Actuate One™

One Design
One Server
One User Experience

Actuate Glossary

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About *Actuate Glossary*

Actuate Glossary provides definitions of terms used in Actuate products and documentation.

Glossary

absolute cell reference

A cell reference that points to an exact location on a BIRT Spreadsheet Designer worksheet. When a user moves or copies a BIRT Spreadsheet cell containing an absolute reference, that cell continues to refer to the originally referenced cells.

Related terms
Actuate BIRT Spreadsheet Designer, cell, cell reference, worksheet

abstract base class

A class that defines the requirements and behavior of descendant classes by specifying methods and variables. An abstract base class does not support the creation of instances.

Related terms
base class, class, descendant class, method, variable

Contrast with
concrete base class, object

abstraction

A technique that reduces duplication of program code. Abstraction provides a framework for related classes in an object-oriented system.

Related terms
class, object-oriented programming

access control list (ACL)

A list of security IDs for data in a report. If a security ID in the access control list matches the user ID or any security role of which the user is a member, the data is accessible to that user.

Related terms
data, report, security ID, security role

Contrast with
Actuate BIRT Page Level Security option, Actuate BIRT SmartSheet Security option, Actuate e.Reports Page Level Security option

access type

A property specifying the shareable status of a file or folder in an Encyclopedia volume. Only the owner and an Encyclopedia volume administrator can access a file or folder that has private access type. Shared access type is a prerequisite to granting privileges to other users.

Related terms
administrator, Encyclopedia volume, privilege, property

active request

A task currently waiting for execution on Actuate BIRT iServer. An active request begins to run when the appropriate process becomes available.

Related terms
Actuate BIRT iServer, process, request

Contrast with
job, pending job

Active Server Page (ASP)

A web server technology developed by Microsoft Corporation. ASPs support the creation of dynamic, interactive sessions. The technology contains both HyperText Markup Language (HTML) and embedded programming code written in VBScript (Visual Basic Script Edition) or JavaScript.

Related terms
HyperText Markup Language (HTML), JavaScript, VBScript (Visual Basic Script Edition), web server

Contrast with
JavaServer Page (JSP)

Actuate Active Portal Security Extension (APSE)

A legacy application programming interface (API) supporting the use of third-party security tools. The API supports customization of user authentication.

Related terms
application programming interface (API), authentication

Contrast with
Actuate iPortal Security Extension (IPSE), Actuate Report Server Security Extension (RSSE)

Actuate Additional Volume option

See Actuate Multi-Tenant option.

Actuate Analytics Cube Designer

A legacy product used to build a cube profile. Actuate discontinued shipping this product for Actuate Release 11 and later. Actuate continues support for cube profiles created using Actuate Analytics Cube Designer Release 10 Service Pack 1 and earlier.

Related terms
cube, cube profile (.dp4) file

Contrast with
Actuate Analytics Cube Viewer, analytics, file types

Actuate Analytics Cube Viewer

An application that uses a cube file to create a viewable cube report. Viewing a cube report in an Encyclopedia volume requires the Actuate BIRT iServer Analytics option. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate Analytics option, Actuate BIRT iServer System options, application, cube, cube (.cb4) file, cube report (.cvw) file, Encyclopedia volume

Contrast with
analytics, cube view, file types

Actuate Analytics option

An Actuate BIRT iServer option that supports building cubes created using Actuate Analytics Cube Designer Release 10 Service Pack 1 and displaying cube reports for the purpose of multidimensional analysis. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate Analytics Cube Designer, Actuate BIRT iServer, Actuate BIRT iServer System options, cube, cube report (.cvw) file, multidimensional analysis

Contrast with
Actuate Analytics Cube Viewer, analytics, cross tab

Actuate Analytics parameters (.odp) file

In Actuate Analytics for BIRT iServer, a file that contains the parameters and values required to access cubes managed by Microsoft SQL Server Analysis Services. These parameters files have an .odp extension.

Related terms
Actuate Analytics option, cube, parameter, value

Contrast with
analytics, file types

Actuate Analytics technology

Technology that supports the manipulation of multidimensional data to analyze relationships and trends. Actuate Cube Viewer and Actuate Analytics option support cube reports developed using Release 10 technology. Actuate e.Analysis and Actuate e.Analysis option provide Analytics technology for Actuate Basic reports. Actuate BIRT iServer System options are separately purchased products. Actuate BIRT Analytics technology provides analytics functionality for Actuate BIRT data and documents.

Related terms
Actuate Analytics Cube Viewer, Actuate Analytics option, Actuate Basic report, Actuate BIRT Analytics technology, Actuate BIRT iServer System options, Actuate BIRT technology, Actuate e.Analysis, Actuate e.Analysis option, cube, data, multidimensional data, report

Contrast with
Actuate Basic technology, Actuate BIRT Spreadsheet technology, Actuate Enterprise Information Integration (EII) technology, Actuate iServer Integration Technology, analytics

Actuate Basic

A programming language syntax-compatible with Microsoft Visual Basic 3.0. Actuate Basic consists of standard Basic functions and statements, plus object-oriented language extensions. Report developers can write Actuate Basic code to extend the functionality of the e.Report Designer Professional user interface.

Related terms
Actuate e.Report Designer Professional, extension, function, interface, object-oriented programming, report, statement

Actuate Basic data type

See data type.

Actuate Basic report

A report created using e.Report Designer Professional and Actuate Basic technology. An Actuate Basic report is also known as an e.report.

Related terms
Actuate Basic technology, Actuate e.Report Designer Professional, e.report, report

Actuate Basic technology

A set of tools that supports the creation and deployment of Actuate Basic reports. Actuate Basic technology includes e.Report Designer Professional, the Actuate Foundation Class library, and the Actuate Basic programming language. Actuate Basic technology integrates with Actuate e.Analysis and Actuate BIRT Information Designer.

Related terms
Actuate Basic, Actuate Basic report, Actuate BIRT Information Designer, Actuate e.Analysis, Actuate e.Report Designer Professional, Actuate Foundation Class (AFC) Library

Contrast with
Actuate Analytics technology, Actuate BIRT Analytics technology, Actuate BIRT Spreadsheet technology, Actuate BIRT technology, Actuate Enterprise Information Integration (EII) technology, Actuate iServer Integration Technology

Actuate BIRT

See Actuate BIRT technology.

Actuate BIRT 360

A tool that supports building BIRT dashboards and mashups, and viewing and graphically analyzing data in BIRT dashboards, as shown in Figure G-1. This tool is an additional license option on an Actuate BIRT iServer System. Using BIRT content in a dashboard additionally requires Actuate BIRT option.

Figure G-1 Displaying an analytic dashboard using BIRT 360

Related terms
Actuate BIRT iServer System options, Actuate BIRT option, dashboard, data, mashup

Contrast with
Actuate BIRT 360 option, Actuate BIRT technology

Actuate BIRT 360 option

An Actuate BIRT iServer System option that supports viewing and graphically analyzing data using BIRT dashboards. Actuate BIRT 360 option also supports building BIRT dashboards and mashups. Presenting BIRT content in a dashboard requires Actuate BIRT option. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate BIRT iServer System options, Actuate BIRT option, dashboard, data, mashup

Contrast with
Actuate BIRT 360, Actuate BIRT technology

Actuate BIRT Analytics technology

A set of tools that supports the manipulation of multidimensional data to analyze relationships and trends. Actuate BIRT Analytics technology includes BIRT Data Analyzer, BIRT Data Analyzer option for BIRT iServer System, and BIRT Data Analyzer Java Component. Actuate BIRT iServer System options are separately purchased products.

Related terms

Actuate BIRT Data Analyzer, Actuate BIRT Data Analyzer option, Actuate BIRT iServer System, Actuate BIRT iServer System options, Actuate Java Components, application, multidimensional data

Contrast with

Actuate Analytics technology, Actuate Basic technology, Actuate BIRT Spreadsheet technology, Actuate BIRT technology, Actuate Enterprise Information Integration (EII) technology, Actuate iServer Integration Technology, analytics

Actuate BIRT Data Analyzer

A tool that provides interactivity to a BIRT cross tab. For example, a user can display aggregate data values, filter and sort data, and pivot axes in a cross tab. Using Actuate BIRT Data Analyzer to work with a cross tab in an Encyclopedia volume requires Actuate BIRT Interactive Viewer option. Actuate BIRT iServer System options are separately purchased products.

Related terms

Actuate BIRT Interactive Viewer option, Actuate BIRT iServer System options, Actuate BIRT technology, cross tab, data, Encyclopedia volume, filter, sort, value

Contrast with

Actuate BIRT data object, analytics, data object design (.datadesign) file

Actuate BIRT Data Analyzer option

An Actuate BIRT iServer System option that supports data analysis in a cross-tab gadget in a BIRT dashboard. Data analysis tasks include filtering, formatting, organizing, and viewing data, and performing calculations in a cross tab gadget. Actuate BIRT iServer System options are separately purchased products.

Related terms

Actuate BIRT iServer System options, Business Intelligence and Reporting Tools (BIRT), cross tab, dashboard, data

Contrast with

Actuate BIRT Data Analyzer, Actuate BIRT Interactive Viewer, Actuate BIRT Studio option, Actuate BIRT technology, Actuate BIRT Viewer

Actuate BIRT data object

A collection of BIRT cube and data set definitions created from one or more data sources using BIRT Designer Professional. BIRT Data Analyzer supports analyzing cube data in a BIRT data object. BIRT 360 supports displaying BIRT data objects in charts, cross tabs, flash gadgets, and tables.

Related terms
Actuate BIRT Data Analyzer, Actuate BIRT Designer Professional, chart, cross tab, cube, data set, data source, flash gadget element, table

Contrast with
data object design (.datadesign) file

Actuate BIRT data object store

A document created by running a BIRT data object design (.datadesign) file.

Related terms
data object design (.datadesign) file, file types

Contrast with
data object store (.data) file

Actuate BIRT Deployment Kit

An application that supports accessing, running, and viewing BIRT reports in a file system.

Related terms
application, Business Intelligence and Reporting Tools (BIRT), report

Contrast with
Actuate BIRT Interactive Viewer, Actuate BIRT iServer System, Actuate BIRT Spreadsheet Deployment Kit, Actuate BIRT Studio, Actuate BIRT technology, Actuate BIRT Viewer, Information Console, Encyclopedia volume

Actuate BIRT Designer Professional

A tool that builds Actuate BIRT report designs and previews reports generated from those designs. BIRT Designer Professional uses Actuate BIRT technology to support using information object and report document data sources. BIRT Designer Professional supports Actuate BIRT data objects, Flash objects, HTML buttons, page-level security, and publishing reports to an Encyclopedia volume. BIRT Designer Professional is a customizable set of plug-ins to the Eclipse platform that can be extended to add new functionality. A developer can use the BIRT application programming interfaces (API) to build code-based applications to integrate reporting functionality with other applications. BIRT Designer Professional includes Actuate BIRT Information Designer, BIRT Chart Engine, BIRT Demo Database, and BIRT Report Engine.

Related terms
Actuate BIRT data object, Actuate BIRT Information Designer, Actuate BIRT technology, application, application programming interface (API), Business Intelligence and Reporting Tools (BIRT), Business Intelligence and Reporting Tools (BIRT) Chart Engine, Business Intelligence and Reporting Tools (BIRT) Demo Database, Business Intelligence and Reporting Tools (BIRT) Report Engine, data source, design, Encyclopedia volume, flash object element, HTML button, information object, page-level security, plug-in, publish, report, report document (.rptdocument) file

Contrast with
Actuate BIRT option, Actuate BIRT Studio

Actuate BIRT Information Designer

A tool used to design information objects. Information objects use Actuate SQL syntax to retrieve data from one or more data sources. End users can use these professionally designed queries in report designs without knowing Structured Query Language (SQL).

Related terms
Actuate SQL, data, data source, information object, query, SQL (Structured Query Language)

Contrast with
Actuate Query, file types

Actuate BIRT Information Object Designer

See Actuate BIRT Information Designer.

Actuate BIRT Interactive Viewer

A component that supports viewing a BIRT report and changing the appearance and layout of report items after the report has run. For example, the user can update the sorting and grouping options, modify the data formatting, and revise the filtering options.

Related terms
Business Intelligence and Reporting Tools (BIRT), component, data, filter, format, group, layout, report, sort

Contrast with
Actuate BIRT Deployment Kit, Actuate BIRT Interactive Viewer option, Actuate BIRT Spreadsheet Deployment Kit, Actuate BIRT Studio, Actuate BIRT technology, Actuate BIRT Viewer, previewer

Actuate BIRT Interactive Viewer option

An Actuate BIRT iServer System option that supports filtering, formatting, and viewing BIRT reports. For example, the user can change the order in which values display, and show or hide detail rows. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate BIRT iServer System options, Business Intelligence and Reporting Tools (BIRT), report, row, value

Contrast with
Actuate BIRT Interactive Viewer, Actuate BIRT Studio, Actuate BIRT technology, Actuate BIRT Viewer

Actuate BIRT iServer

A stand-alone server or a cluster of servers that stores report documents in an Encyclopedia volume, manages user information, handles report requests, and

analyzes and delivers report documents. BIRT iServer supports Actuate Basic, BIRT, cube, and spreadsheet reports. Several options providing additional functionality for Actuate BIRT iServer require separate purchase. Actuate iServer Integration Technology extends BIRT iServer functionality.

Related terms

Actuate Basic, Actuate BIRT iServer System options, Actuate iServer Integration Technology, Business Intelligence and Reporting Tools (BIRT), cluster, cube report (.cvw) file, Encyclopedia volume, report, report document, request, spreadsheet report

Contrast with

Actuate BIRT iServer System, Actuate JavaScript API (JSAPI), cloud computing, Configuration Console, Information Console, Management Console, server application

Actuate BIRT iServer Express

A legacy stand-alone BIRT iServer that stores report documents in an Encyclopedia volume, manages user information, handles report requests, and delivers report documents. Actuate discontinued shipping this product for Actuate Release 11 Service Pack 1 and later.

Related terms

Actuate BIRT iServer, Business Intelligence and Reporting Tools (BIRT), Encyclopedia volume, report, report document, request

Contrast with

Actuate BIRT iServer System

Actuate BIRT iServer System

An Actuate BIRT iServer including its options. Actuate BIRT iServer System has numerous available options, which are separately purchased products.

Related terms

Actuate BIRT iServer, Actuate BIRT iServer System options

Contrast with

Configuration Console, Information Console, Management Console

Actuate BIRT iServer System options

A set of separately licensed products for Actuate BIRT iServer. Each option extends the functionality of Actuate BIRT iServer System. For example, Multi-Tenant option enables the use of multiple Encyclopedia volumes in Actuate BIRT iServer System. Actuate BIRT iServer System options are separately purchased products.

The available options for Actuate BIRT iServer are:

- Actuate Analytics option
- Actuate BIRT 360 option
- Actuate BIRT Data Analyzer option

- Actuate BIRT Interactive Viewer option
- Actuate BIRT option
- Actuate BIRT Page Level Security option
- Actuate BIRT SmartSheet Security option
- Actuate BIRT Spreadsheet option
- Actuate BIRT Studio option
- Actuate e.Analysis option
- Actuate e.Reports option
- Actuate e.Reports Page Level Security option
- Actuate Multi-Tenant option
- Actuate Query option

Related terms

Actuate Analytics option, Actuate BIRT 360 option, Actuate BIRT Data Analyzer option, Actuate BIRT Interactive Viewer option, Actuate BIRT iServer, Actuate BIRT option, Actuate BIRT Page Level Security option, Actuate BIRT SmartSheet Security option, Actuate BIRT Spreadsheet option, Actuate BIRT Studio option, Actuate e.Analysis option, Actuate e.Reports option, Actuate e.Reports Page Level Security option, Actuate Multi-Tenant option, Actuate Query option

Actuate BIRT Java Components

A collection of tools providing support for developing and deploying rich Web 2.0 client applications. The Actuate BIRT Java Components collection includes Actuate BIRT Data Analyzer, Actuate BIRT Interactive Viewer, Actuate BIRT Studio, Actuate BIRT Viewer, and Actuate Deployment Kits for BIRT and Spreadsheet reports. Actuate distributes BIRT Java Components as a web archive (.war) file for deployment in a servlet-container environment running BIRT Java Components applications.

Related terms

Actuate BIRT Data Analyzer, Actuate BIRT Deployment Kit, Actuate BIRT Interactive Viewer, Actuate BIRT Studio, Actuate BIRT Spreadsheet Deployment Kit, Actuate BIRT Viewer, application, Java, report, servlet, spreadsheet report, web archive (.war) file

Actuate BIRT library (.rptlibrary) file

An Extensible Markup Language (XML) file that extends the library (.rptlibrary) file format to support Actuate BIRT technology. An Actuate BIRT library file contains reusable and shareable report elements, including information object and report document data sources, Flash objects, and HTML buttons. A report developer uses BIRT Designer Professional to create an Actuate BIRT library file directly or from an Actuate BIRT report design (.rptdesign) file.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT report design (.rptdesign) file, Actuate BIRT technology, data source, Extensible Markup Language (XML), flash object element, HTML button, information object, library (.rptlibrary) file, report, report document (.rptdocument) file, report element

Contrast with
file types

Actuate BIRT option

A separately licensed Actuate BIRT iServer System option that supports users deploying, running, and viewing BIRT reports. This option is a prerequisite for Actuate BIRT Page Level Security option. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate BIRT iServer System options, Actuate BIRT Page Level Security option, Business Intelligence and Reporting Tools (BIRT), report

Contrast with
Actuate BIRT Studio option, Actuate BIRT technology

Actuate BIRT Page Level Security option

An Actuate BIRT iServer System option that controls access to Actuate BIRT report content. A user name or security role determines access to report pages. Actuate BIRT Page Level Security option requires Actuate BIRT option. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate BIRT iServer System options, Actuate BIRT technology, page, report, security role

Contrast with
access control list (ACL), Actuate BIRT option, Actuate e.Reports Page Level Security option

Actuate BIRT Performance Scorecard

A performance management application used to display organizational performance from multiple perspectives. For example, BIRT Perfomance Scorecard can display performance data from a customer or financial perspective. BIRT Perfomance Scorecard can be used with any performance management methodology, including Balanced Scorecard and Six Sigma. BIRT Perfomance Scorecard uses increments called measures to quantify aspects of an organization, and consolidates the information in a way that is meaningful to the organization.

Related terms
application, Balanced Scorecard, data, performance, performance management, Six Sigma

Contrast with
Actuate Performancesoft Track

Actuate BIRT report design (.rptdesign) file

An Extensible Markup Language (XML) file that extends the report design (.rptdesign) file format to support Actuate BIRT technology. An Actuate BIRT report design file contains the complete description of a report, including Actuate BIRT data objects, information object and report document data sources, Flash objects, and HTML buttons. A report developer uses BIRT Designer Professional or Actuate BIRT Studio to create the report design file. The BIRT Report Engine processes that file to create a formatted report.

Related terms

Actuate BIRT Designer Professional, Actuate BIRT Studio, Actuate BIRT technology, data source, design, Extensible Markup Language (XML), flash object element, HTML button, information object, report, report design (.rptdesign) file, report document (.rptdocument) file

Contrast with

file types

Actuate BIRT Report Designer

See Actuate BIRT Designer Professional.

Actuate BIRT Report Designer Professional

See Actuate BIRT Designer Professional.

Actuate BIRT report document (.rptdocument) file

In Actuate BIRT technology, a binary file that extends the report document (.rptdocument) file format to support Actuate BIRT technology. An Actuate BIRT report document file encapsulates the report item identifier and additional information, such as data rows, pagination, and table of contents. A report user accesses the document on an Encyclopedia volume using Actuate BIRT 360 option, Actuate BIRT Interactive Viewer option, or Actuate BIRT option. A report user accesses the document on a file system using Actuate BIRT Interactive Viewer or Actuate BIRT Viewer.

Related terms

Actuate BIRT 360 option, Actuate BIRT Interactive Viewer, Actuate BIRT Interactive Viewer option, Actuate BIRT option, Actuate BIRT technology, Actuate BIRT Viewer, data row, Encyclopedia volume, report, report document (.rptdocument) file, report item, table of contents

Contrast with

file types

Actuate BIRT report library (.rptlibrary) file

See Actuate BIRT library (.rptlibrary) file.

Actuate BIRT Report Page Level Security option

See Actuate BIRT Page Level Security option.

Actuate BIRT report template (.rpttemplate) file

An Extensible Markup Language (XML) file that extends the report template (.rpttemplate) file format to support Actuate BIRT technology. An Actuate BIRT report template file contains a reusable Actuate BIRT report design providing a start position for developing a new report.

Related terms
Actuate BIRT technology, design, Extensible Markup Language (XML), report, report template (.rpttemplate) file

Contrast with
Actuate BIRT report design (.rptdesign) file, file types

Actuate BIRT SmartSheet Security option

An Actuate BIRT iServer System option that controls access to spreadsheet reports, based on user name or security role. This option requires Actuate BIRT Spreadsheet option. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate BIRT iServer System options, Actuate BIRT Spreadsheet option, security role, spreadsheet report

Contrast with
access control list (ACL), Actuate e.Reports Page Level Security option, privilege

Actuate BIRT Spreadsheet API

A Java application programming interface (API) that provides support for reading and writing Microsoft Excel spreadsheets.

Related terms
application programming interface (API), Java

Contrast with
Actuate BIRT Spreadsheet Engine and API, Actuate e.Spreadsheet option

Actuate BIRT Spreadsheet Deployment Kit

An application that provides the ability to run and view Excel spreadsheet reports and view files and folders in a file system.

Related terms
application, spreadsheet report

Contrast with
Actuate BIRT Deployment Kit, Actuate BIRT Spreadsheet Designer

Actuate BIRT Spreadsheet Designer

A tool used to design custom spreadsheets for distribution using Actuate BIRT iServer System or Actuate BIRT Spreadsheet Deployment Kit. BIRT Spreadsheet Designer accesses data from external data sources to generate richly formatted Excel spreadsheet reports. A report developer can use Actuate BIRT Spreadsheet Engine and API in a callback class to customize a spreadsheet report design.

Related terms
Actuate BIRT iServer System, Actuate BIRT Spreadsheet Deployment Kit, Actuate BIRT Spreadsheet Engine and API, callback class, data, data source, spreadsheet report

Contrast with
Actuate BIRT Spreadsheet Engine, Actuate BIRT Spreadsheet option, file types

Actuate BIRT Spreadsheet Engine

A set of run-time libraries providing application programming interfaces (API) that support creating, running, and deploying spreadsheet reports. BIRT Spreadsheet Engine includes BIRT Spreadsheet Designer and Actuate BIRT Spreadsheet Engine and API.

Related terms
Actuate BIRT Spreadsheet Designer, Actuate BIRT Spreadsheet Engine and API, application programming interface (API), library, run time, spreadsheet report

Contrast with
Actuate BIRT Spreadsheet API

Actuate BIRT Spreadsheet Engine and API

A licensed Java application programming interface (API) that provides access to all aspects of an Actuate BIRT Spreadsheet workbook. A programmer using BIRT Spreadsheet Designer accesses the API using a Java callback class. A programmer using BIRT Spreadsheet Engine accesses the API through a Java application.

Related terms
Actuate BIRT Spreadsheet Designer, Actuate BIRT Spreadsheet Engine, application, application programming interface (API), callback class, Java, workbook

Contrast with
Actuate BIRT Spreadsheet API, Actuate e.Spreadsheet option

Actuate BIRT Spreadsheet option

A separately licensed Actuate BIRT iServer System option that supports generating spreadsheet reports from BIRT Spreadsheet Designer files. The option is a prerequisite for BIRT SmartSheet Security option. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate BIRT iServer System options, Actuate BIRT SmartSheet Security option, Actuate BIRT Spreadsheet Designer, spreadsheet report

Actuate BIRT Spreadsheet technology

A set of tools that supports the creation and deployment of data in a spreadsheet format. Actuate BIRT Spreadsheet technology includes BIRT SmartSheet Security option, BIRT Spreadsheet API, BIRT Spreadsheet Designer, BIRT Spreadsheet Engine and API, and BIRT Spreadsheet option. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate BIRT iServer System options, Actuate BIRT SmartSheet Security option, Actuate BIRT Spreadsheet API, Actuate BIRT Spreadsheet Designer, Actuate BIRT Spreadsheet Engine and API, Actuate BIRT Spreadsheet option

Contrast with
Actuate Analytics technology, Actuate Basic technology, Actuate BIRT Analytics technology, Actuate BIRT technology, Actuate Enterprise Information Integration (EII) technology, Actuate iServer Integration Technology

Actuate BIRT Studio

A tool that supports designing Actuate BIRT reports without requiring knowledge of SQL (Structured Query Language) or a programming language.

Related terms
Business Intelligence and Reporting Tools (BIRT), report, SQL (Structured Query Language)

Contrast with
Actuate BIRT Designer Professional, Actuate BIRT Studio option, Actuate BIRT technology

Actuate BIRT Studio option

A separately licensed Actuate BIRT iServer System option that supports business users designing Actuate BIRT reports. An additional option, Actuate BIRT option, is necessary to run these reports. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate BIRT iServer System options, Actuate BIRT option, report

Contrast with
Actuate BIRT Designer Professional, Actuate BIRT Studio, Actuate BIRT technology

Actuate BIRT technology

A set of Actuate BIRT iServer System options, Java applications, and Java application programming interfaces (API) that extend BIRT technology to support the design and deployment of an Actuate BIRT report or BIRT report. The BIRT iServer System options include Actuate BIRT Page Level Security option and Actuate BIRT Studio option. The applications include Actuate BIRT Deployment Kit, Actuate BIRT Designer Professional, Actuate BIRT Interactive Viewer, Actuate BIRT Studio, and Actuate BIRT Viewer. The Java APIs provide programmatic access to designing and generating charts and reports. Actuate BIRT report designs support additional functionality not provided by BIRT technology. This functionality includes access to information object and report document data sources, and using Actuate BIRT data objects, Flash objects, HTML buttons, page-level security, and publishing reports to an Encyclopedia volume.

Related terms
Actuate BIRT data object, Actuate BIRT Deployment Kit, Actuate BIRT Designer Professional, Actuate BIRT Interactive Viewer, Actuate BIRT iServer System options, Actuate BIRT Page Level Security option, Actuate BIRT Studio, Actuate BIRT Studio option, Actuate BIRT Viewer, application, application programming interface (API), Business Intelligence and Reporting Tools (BIRT), Business Intelligence and Reporting Tools (BIRT) technology, chart, data source, design, Encyclopedia volume, flash object element, HTML button, information object, Java, page-level security, publish, report, report document (.rptdocument) file

Contrast with
Actuate Analytics technology, Actuate Basic technology, Actuate BIRT Analytics technology, Actuate BIRT Spreadsheet technology, Actuate Enterprise Information Integration (EII) technology, Actuate iServer Integration Technology

Actuate BIRT Viewer

A component that supports basic viewing tasks, such as navigating a BIRT report, using a table of contents, viewing parameter information, and exporting data.

Related terms
Business Intelligence and Reporting Tools (BIRT), component, data, parameter, report, table of contents

Contrast with
Actuate BIRT Interactive Viewer, previewer

Actuate Custom Event Web Service

A mechanism that supports scheduling a report to run when a custom event occurs. Actuate BIRT iServer System communicates with the web service, continuously polling the service with the event name and parameters. Actuate BIRT iServer System runs the custom event-based job when the web service returns the specified signal.

Related terms
Actuate BIRT iServer System, event, job, parameter, report, run, web service

Contrast with
event-based job scheduling, event handler, event listener

Actuate Deployment Kit

See Actuate BIRT Deployment Kit and Actuate BIRT Spreadsheet Deployment Kit.

Actuate e.Analysis

A tool that supports analysis of search results from an Actuate Basic report written in Dynamic HyperText Markup Language (DHTML). This tool is an additional license option and requires Actuate e.Reports option. Actuate BIRT iServer System options are separately purchased products. Figure G-2 shows an example of the initial view of Actuate e.Analysis.

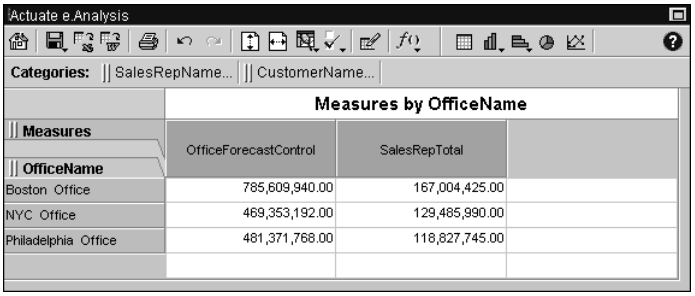


Figure G-2 The Actuate e.Analysis initial view

Related terms
Actuate Basic report, Actuate BIRT iServer System options, Actuate e.Analysis option, Actuate e.Reports option, Dynamic HyperText Markup Language (DHTML), report

Contrast with
Actuate e.Analysis option, analytics

Actuate e.Analysis option

An Actuate BIRT iServer System option that supports analysis of search results from an Actuate Basic report written in Dynamic HyperText Markup Language (DHTML). This option requires Actuate e.Reports option. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate Basic report, Actuate BIRT iServer System options, Actuate e.Reports option, Dynamic HyperText Markup Language (DHTML), report

Contrast with
Actuate Analytics option, Actuate e.Analysis, analytics

Actuate EasyScript

A syntax used in an expression in Actuate BIRT. When a user exports a BIRT report to Excel data format, the expression converts to a formula in Excel.

Related terms
Actuate BIRT technology, data, expression, format, formula, report, syntax

Actuate Enterprise Information Integration (EII) technology

Actuate EII technology supports the creation and processing of information objects. Actuate EII technology is a set of tools that includes BIRT Information Designer and Actuate iServer Integration and Caching services.

Related terms
Actuate BIRT Information Designer, information object, server service

Contrast with
Actuate Analytics technology, Actuate Basic technology, Actuate BIRT Analytics technology, Actuate BIRT Spreadsheet technology, Actuate BIRT technology, Actuate iServer Integration Technology

Actuate e.Report Designer Professional

A tool used to design and build Actuate Basic report designs and reusable components. e.Report Designer Professional also previews reports generated from the designs and distributes report object executable files to Actuate BIRT iServer. A report developer can use the Actuate Basic language and Actuate Foundation Classes to customize report designs. e.Report Designer Professional includes BIRT Information Designer.

Related terms

Actuate Basic, Actuate Basic report, Actuate BIRT Information Designer, Actuate BIRT iServer, Actuate Foundation Class (AFC), component, design, report

Contrast with

Actuate Basic technology, file types

Actuate e.Reports option

An Actuate BIRT iServer System option that supports running and viewing Actuate e.reports. This option is a prerequisite for Actuate e.Analysis option and Actuate e.Reports Page Level Security option. Actuate BIRT iServer System options are separately purchased products.

Related terms

Actuate Basic report, Actuate BIRT iServer System options, Actuate e.Analysis option, Actuate e.Reports Page Level Security option

Actuate e.Reports Page Level Security option

An Actuate BIRT iServer System option that controls access to report content. A user name or security role determines access to report pages. This option is available for Actuate Basic technology. Actuate e.Reports Page Level Security option requires Actuate e.Reports option. Actuate BIRT iServer System options are separately purchased products.

Related terms

Actuate Basic technology, Actuate BIRT iServer System options, Actuate e.Reports option, page, report, security role

Contrast with

access control list (ACL), Actuate BIRT Page Level Security option, structured content

Actuate Error Logging Extension

An application that writes information about an error occurring on Actuate BIRT iServer System to a comma-separated values (CSV) log file. The extension creates entries for all Encyclopedia volume, user, mail, and system service error activity. A reference implementation of the extension ships with Actuate BIRT iServer System as a dynamic link library (DLL) on Windows or a shared library on UNIX or Linux. Actuate iServer Integration Technology provides the source code, which a developer can customize.

Related terms
Actuate BIRT iServer System, Actuate iServer Integration Technology, comma-separated values (CSV) file, dynamic link library (DLL), Encyclopedia volume, extension, shared library

Contrast with
Actuate Usage Logging Extension, error log, usage log

Actuate e.Spreadsheet API

See Actuate BIRT Spreadsheet API.

Actuate e.Spreadsheet Deployment Kit

See Actuate BIRT Spreadsheet Deployment Kit.

Actuate e.Spreadsheet Designer

See Actuate BIRT Spreadsheet Designer.

Actuate e.Spreadsheet Engine

See Actuate BIRT Spreadsheet Engine.

Actuate e.Spreadsheet Engine and API

See Actuate BIRT Spreadsheet Engine and API.

Actuate e.Spreadsheet option

See Actuate BIRT Spreadsheet option.

Actuate e.Spreadsheet Server

See Actuate BIRT iServer.

Actuate e.Spreadsheet technology

See Actuate BIRT Spreadsheet technology.

Actuate Foundation Class (AFC)

In Actuate Basic technology, one of the building blocks of report designs. Actuate Foundation Classes include those that define charts, controls, data sources, frames, images, pages, and sections. Report developers use Actuate e.Report Designer Professional to derive classes from the Actuate Foundation Classes.

Related terms
Actuate Basic technology, Actuate e.Report Designer Professional, chart, class, control, data source, design, frame, image, page, report, section

Contrast with
abstract base class, Actuate Foundation Class (AFC) Library, base class, component, descendant class

Actuate Foundation Class (AFC) Library

In Actuate Basic technology, a library that contains Actuate Foundation Classes. The AFC.rol file contains the Actuate Foundation Class Library.

Related terms
Actuate Basic technology, Actuate Foundation Class (AFC), class, library

Contrast with
component library

Actuate Information Console

See Information Console.

Actuate Information Delivery API (IDAPI)

An application programming interface (API) using Extensible Markup Language (XML) and Simple Object Access Protocol (SOAP) messaging to integrate and administer Actuate BIRT iServer System. This API is part of Actuate iServer Integration Technology.

Related terms
Actuate BIRT iServer System, Actuate iServer Integration Technology, application programming interface (API), Extensible Markup Language (XML), Simple Object Access Protocol (SOAP)

Actuate Information Object Caching

An Actuate BIRT iServer System capability that provides the ability to cache data for an information object. BIRT iServer System provides the cached data to reports that use information objects. A report that uses cached data runs more quickly than the same report using the information object itself. BIRT Information Integration option includes this capability. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate BIRT iServer System options, information object, data, report

Contrast with
server service

Actuate Information Object Designer

See Actuate BIRT Information Designer.

Actuate information object (.iob) file

A file type that contains an Actuate SQL query. Data modelers create information objects using BIRT Information Designer.

Related terms
Actuate BIRT Information Designer, Actuate SQL, file types, information object, query

Actuate Interactive Viewer

See Actuate BIRT Interactive Viewer.

Actuate iPortal

See Actuate BIRT Deployment Kit, Actuate BIRT Spreadsheet Deployment Kit, and Information Console.

Actuate iPortal Security Extension (IPSE)

See iPortal Security Extension (IPSE).

Actuate iServer

See Actuate BIRT iServer.

Actuate iServer Express

See Actuate BIRT iServer.

Actuate iServer Integration Technology

An integration technology package for Actuate BIRT iServer System that contains the following reference applications, report samples, and application programming interfaces (API):

- Actuate Custom Event Web Service
- Actuate Error Logging Extension
- Actuate Information Delivery API (IDAPI)
- Actuate iServer Usage and Error Log Consolidator
- Actuate Online Archive Driver, available only for Actuate BIRT iServer
- Actuate Performance Monitoring Extension
- Actuate Report Server Security Extension (RSSE)
- Actuate Usage Logging Extension
- Web services application samples

Related terms

Actuate BIRT iServer, Actuate BIRT iServer System, Actuate Custom Event Web Service, Actuate Error Logging Extension, Actuate Information Delivery API (IDAPI), Actuate iServer Usage and Error Log Consolidator, Actuate Online Archive Driver API, Actuate Performance Monitoring Extension, Actuate Report Server Security Extension (RSSE), Actuate Usage Logging Extension, web services application samples

Contrast with

Actuate Analytics technology, Actuate Basic technology, Actuate BIRT Spreadsheet technology, Actuate BIRT Analytics technology, Actuate BIRT technology, Actuate Enterprise Information Integration (EII) technology

Actuate iServer service

A background operating system program available for Windows, UNIX, and Linux. This service controls the processes running on Actuate BIRT iServer System, starting and stopping the application container, the Configuration, Information, and Management Consoles, and Actuate BIRT iServer System executable files. This service uses Hypertext Transfer Protocol (HTTP) to manage communication among these processes.

Related terms
Actuate BIRT iServer System, Configuration Console, Information Console, Management Console, HyperText Transfer Protocol (HTTP), process

Actuate iServer System

See Actuate BIRT iServer System.

Actuate iServer System options

See Actuate BIRT iServer System options.

Actuate iServer Usage and Error Log Consolidator

A Java application that reads data from Actuate BIRT iServer System usage and error log files, then uses Java Database Connectivity (JDBC) to copy the data from the log files to a database. Actuate iServer Integration Technology provides a reference implementation that consolidates usage and error log data into an Oracle database.

Related terms
Actuate BIRT iServer System, Actuate iServer Integration Technology, application, data, database, error log, Java, Java Database Connectivity (JDBC), usage log

Actuate Java Components

See Actuate BIRT Java Components.

Actuate JavaScript API (JSAPI)

An application programming interface (API) that supports presenting BIRT report content in a web page. This API provides JavaScript classes that support authenticating users, connecting to data sources, interacting with the user, generating reports, and viewing reports. This API is available in BIRT Deployment Kit, BIRT Interactive Viewer, and Information Console.

Related terms
Actuate BIRT Deployment Kit, Actuate BIRT Interactive Viewer, application programming interface (API), authentication, Business Intelligence and Reporting Tools (BIRT), class, data source, HyperText Markup Language (HTML), Information Console, JavaScript, report, web page

Contrast with
Actuate Information Delivery API (IDAPI), structured content

Actuate major release family

All releases in a major release, including Service Packs and Patches. For example, both Actuate 11 and Actuate 11 Service Pack 1 are in the Actuate 11 major release family.

Actuate Multi-Tenant option

An Actuate BIRT iServer option that supports using more than one Encyclopedia volume. Actuate BIRT iServer System options are separately licensed products.

Related terms
Actuate BIRT iServer, Actuate BIRT iServer System options, Encyclopedia volume

Actuate Online Archive Driver API

An application programming interface (API) that provides a Simple Object Access Protocol (SOAP)-based interface between Actuate BIRT iServer and external archive software. Actuate iServer Integration Technology provides a reference implementation of Actuate Online Archive Driver. This Java application copies expired Encyclopedia volume files to a second Encyclopedia volume serving as a file archive.

Related terms
Actuate BIRT iServer, Actuate BIRT iServer System options, Actuate iServer Integration Technology, application, application programming interface (API), Encyclopedia volume, Java, Simple Object Access Protocol (SOAP)

Actuate Performance Monitoring Extension

An Actuate extension to the Windows system monitoring tool, Microsoft Management Console. Actuate Performance Monitoring Extension collects data about Actuate BIRT iServer System resources. A system administrator can use this data to evaluate resource utilization, diagnose problems, and observe how changes in the system affect behavior. Actuate BIRT iServer System and Actuate iServer Integration Technology include an Actuate Performance Monitoring Extension reference implementation. Actuate iServer Integration Technology provides the customizable code for the implementation.

Related terms
Actuate BIRT iServer System, Actuate iServer Integration Technology, data, extension, Microsoft Management Console

Actuate Performancesoft Track

A web-based, activity-management software application. Track users create or work with activity structures that support performance management methodologies or processes. Track uses activities, such as initiatives or project plans, to provide actionable and repeatable information in an organization.

Related term
application, performance management

Contrast with
Actuate BIRT Performance Scorecard

Actuate Performancesoft Views

See Actuate BIRT Performance Scorecard.

Actuate Query

A tool that supports creating a query based on an information object. The query displays data rows in a report.

Related terms
data row, information object, query, report

Contrast with
Actuate Query option

Actuate Query option

An Actuate BIRT iServer System option that supports retrieving data using an information object. Actuate BIRT iServer System options are separately purchased products.

Related terms
Actuate BIRT iServer System options, data, information object

Contrast with
Actuate Query

Actuate Report Server Security Extension (RSSE)

An Actuate BIRT iServer System capability that supports managing user information by accessing data from an external database or security source, such as a Lightweight Directory Access Protocol (LDAP) directory server.

Related terms
Actuate BIRT iServer System, data, database, Lightweight Directory Access Protocol (LDAP)

Contrast with
access control list (ACL), Actuate BIRT Page Level Security option, Actuate BIRT SmartSheet Security option, Actuate e.Reports Page Level Security option, Actuate iServer Integration Technology, iPortal Security Extension (IPSE), security ID

Actuate Requester API

A legacy application programming interface (API) called from Actuate Basic. Actuate discontinued support for this API in Actuate Release 11 and later.

Related terms
Actuate Basic, application programming interface (API)

Actuate resource group

An allocation of Factory processes that performs load balancing among servers in a cluster. Using resource groups prioritizes the running and printing of reports. Specifying the node in a cluster where a particular type of report runs can

improve performance. A system administrator configures resource groups in Configuration Console.

Related terms
cluster, Configuration Console, factory, node, process, report

Contrast with
server processes

Actuate server

See Actuate BIRT iServer.

Actuate SmartSheet Security option

See Actuate BIRT SmartSheet Security option.

Actuate SQL

A query language based on the ANSI SQL-92 standard. Information objects encapsulate Actuate SQL queries.

Related terms
information object, query, SQL (Structured Query Language)

Actuate Usage Logging Extension

An application that writes information about user activity occurring on Actuate BIRT iServer System to a comma-separated values (CSV) log file. The extension creates entries for all administration, data integration, and report deletion, generation, printing, and viewing user activity. A reference implementation of the extension ships with Actuate BIRT iServer System as a dynamic link library (DLL) on Windows or a shared library on UNIX or Linux. Actuate iServer Integration Technology provides the source code, which a developer can customize.

Related terms
Actuate BIRT iServer System, Actuate iServer Integration Technology, application, comma-separated values (CSV) file, dynamic link library (DLL), extension, report, shared library

Contrast with
Actuate Error Logging Extension, error log, usage log

ad hoc parameter

A parameter associated with a database column that passes an expression to dynamically extend the query's WHERE clause. An ad hoc parameter uses Query by Example (QBE) syntax to restrict the number of rows returned from the data source to the report. The tools that support ad hoc parameters are BIRT Spreadsheet Deployment Kit, BIRT Spreadsheet Designer, e.Report Designer Professional, Information Console, and Management Console. For example, in Figure G-3 the QBE value, >100, translates to the following SQL (Structured Query Language) expression:

```
WHERE PURCHASEVOLUME >100
```

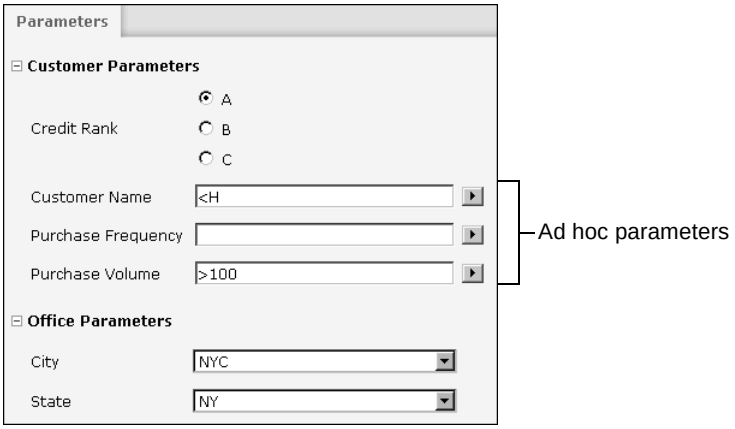


Figure G-3 Ad hoc parameters showing QBE syntax

Related terms
Actuate BIRT Spreadsheet Deployment Kit, Actuate BIRT Spreadsheet Designer, Actuate e.Report Designer Professional, column, database, data source, expression, Information Console, Management Console, parameter, query, Query by Example (QBE), report, row, SQL (Structured Query Language), syntax, value

Contrast with
static parameter

administrative failover

An action that initiates stopping one node or process in an Actuate BIRT iServer cluster to transfer the workload to another node or process in the cluster.

Related terms
Actuate BIRT iServer, cluster, node, process

Contrast with
failover

administrator

A user who is able to perform administrative tasks on a system or application.

1. A member of the Windows Administrators group.
2. In Actuate BIRT iServer System, a member of the Administrator security role.

Related terms
Actuate BIRT iServer System, security role

Advanced Function Printing

See IBM Advanced Function Printing (.afp) file.

AFC (Actuate Foundation Class)

See Actuate Foundation Class (AFC).

AFP See IBM Advanced Function Printing (.afp) file.

After In e.Report Designer Professional, a component reference property that identifies a component to print or display at the end of a section. For example, After can contain the sum of all orders from one customer. After is a slot in the layout editor and the structure. Figure G-4 shows an After slot in the Report Structure window.

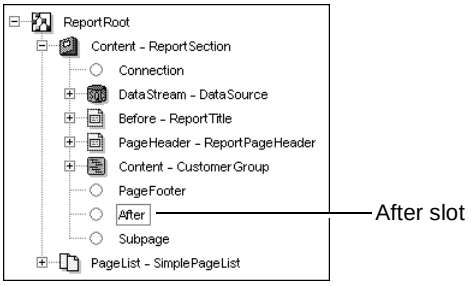


Figure G-4 After slot

Related terms
Actuate e.Report Designer Professional, component, component reference property, layout editor, Report Structure window, section, slot

Contrast with
Before

aggregate expression

An expression that uses one or more aggregate functions to produce an aggregate value. For example, the expression, max([SPEED]), produces a value that is the maximum value of the field, SPEED, in the data rows.

Related terms
aggregate function, aggregate value, data row, expression, field, value

Contrast with
aggregate row, regular expression

aggregate function

A function that performs a calculation over a set of data rows. For example, sum( ) calculates the sum of values of a specified numeric field over a set of data rows. Examples of aggregate functions include count, max, min, and sum.

Related terms
data row, field, function, value

Contrast with
aggregate row, aggregate value

aggregate row

A single row that summarizes data from a group of rows returned by a query. A SQL (Structured Query Language) query that includes an aggregate expression

and a Group By clause returns one or more aggregate rows. For example, a row that totals all orders made by one customer is an aggregate row.

Related terms
aggregate expression, data, group, query, row, SQL (Structured Query Language)

Contrast with
aggregate value, data row, SQL SELECT statement

aggregate value

The result of applying an aggregate function to a set of data rows. For example, a set of data rows has a field, SPEED, which contains values: 20, 10, 30, 15, 40. The aggregate expression, max([SPEED]), produces the aggregate value, 40, which is the maximum value for the field.

Related terms
aggregate expression, aggregate function, data row, field, value

alias

An alternative name:

1. In Actuate Basic, a name given to an external procedure to avoid conflict with constants, reserved words, or variables.
2. In a SQL SELECT statement, a name given to a database table or column.
3. In BIRT technology, a name given to a data-set column for use in an expression or in code in a script method.

Related terms
Actuate Basic, Business Intelligence and Reporting Tools (BIRT) technology, column, constant, data set, database, expression, method, reserved word, SQL SELECT statement, table, variable

Contrast with
display name

analytics

The iterative process of analyzing data to inform and plan business decisions. Analytics uses drill-down and statistical techniques to examine the same information in both detail and overview forms. Analytics tools promote business intelligence goals by supporting inspection, cleaning, and transformation of data.

Related term
data

Contrast with
multidimensional analysis

ancestor class

A class in the inheritance hierarchy from which a particular class directly or indirectly derives.

Related terms
class, inheritance, hierarchy

Contrast with
base class, class hierarchy, descendant class, subclass, superclass

Apache Axis

A standard Java framework for constructing a Simple Object Access Protocol (SOAP) processor. Actuate BIRT iServer System contains a Web Services Description Language (WSDL) document that defines an Actuate web services schema for an Apache Axis client. Actuate iServer Integration Technology provides a reference implementation of an Apache Axis client that shows a developer how to build a custom application that implements SOAP processing using this framework.

Related terms
Actuate BIRT iServer System, Actuate iServer Integration Technology, application, client/server, framework, Java, processor, schema, Simple Object Access Protocol (SOAP), web service, Web Services Description Language (WSDL)

Contrast with
Microsoft .NET

applet

A small desktop application that performs a simple task, for example, a Java program that runs directly from the web browser.

Related terms
application, Java

application

A complete, self-contained program that performs a specific set of related tasks.

Contrast with
applet

application programming interface (API)

A set of routines, including functions, methods, and procedures, that exposes application functionality to support integration and extend applications.

Related terms
application, function, method, procedure

Contrast with
Actuate BIRT Spreadsheet Engine, Actuate Information Delivery API (IDAPI), Actuate iPortal Security Extension (IPSE), Actuate Online Archive Driver API, Actuate Report Server Security Extension (RSSE), converter

argument

A constant, expression, or variable that supplies data to a function, method, or subroutine.

Related terms
constant, data, expression, function, method, subroutine, variable

Contrast with
parameter

array

A data variable consisting of sequentially indexed elements that have the same data type. Each element has a common name, a common data type, and a unique

index number identifier. Changes to an element of an array do not affect other elements.

Related terms
data, data type, element, string, variable

ascendant class

See ancestor class.

assignment statement

A statement that assigns a value to a variable. For example, in Actuate Basic:

```
StringToDisplay = "My Name"
```

Related terms
Actuate Basic, statement, value, variable

asterisk (*)

1 A wildcard character used for searches.

2 A multiplication symbol used in expressions.

Related terms
character, expression, search, symbol, wildcard

Contrast with
search expression

asynchronous

In Actuate BIRT iServer System, a job type or resource group that manages the processing of scheduled reports or queries.

Related terms
Actuate BIRT iServer System, Actuate resource group, job, process, query, report

Contrast with
synchronous

attribute

A property of an element defined as a name-value pair. For example, in the following line, the attribute defines a Universal Resource Identifier (URI) that links to a web page:

```
<a href="http://www.actuate.com">
```

Related terms
element, property, Universal Resource Identifier (URI), web page

Contrast with
Extensible Markup Language (XML)

authentication

A mechanism that validates a user's login information.

Contrast with
authorization

authorization

The mechanism that determines whether an authenticated user can access a particular resource.

Contrast with
authentication

autoarchive

A file management capability that supports archiving and deletion of report files based on the age of the file, a specific date, or the number of versions.

Related term
report

Contrast with
autoarchive driver

autoarchive driver

An interface between Actuate BIRT iServer and an external archive tool.

Related terms
Actuate BIRT iServer, interface

Contrast with
Actuate Online Archive Driver API, autoarchive, driver

autoversioning

An Encyclopedia volume feature that tracks files. Autoversioning supports storing multiple files having the same name. For example, this feature supports generating and storing multiple report documents from a single executable file.

Related terms
Encyclopedia volume, report document

Balanced Scorecard

A performance management concept that measures whether the activities of a company are meeting its objectives in terms of vision and strategy. Balanced Scorecard provides a comprehensive view of financial outcomes and human issues in a business. This data supports taking actions that further the organization's ability to act in its long-term interests.

Related terms
data, performance management

Contrast with
Six Sigma

balloon help

A phrase created by a report developer to explain a data item in a report. Balloon help displays when the user moves the cursor onto the item.

Related terms
data, report

BAS See Basic source (.bas) file.

base chart

The part of a chart that contains the main chart data, typically, the most important data in the chart. Every chart uses a base chart. Some charts also include study charts, which display below the base chart, or data plotted on a second *y*-axis. Figure G-5 shows a base chart.

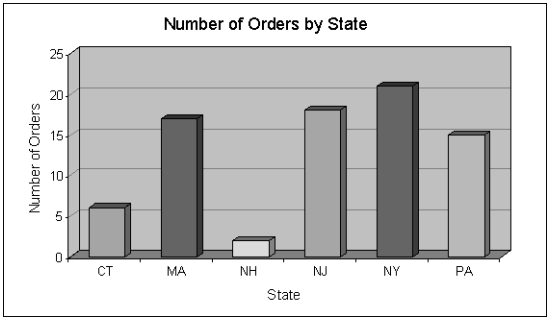


Figure G-5 Base chart

Related terms
chart, data, study chart

Contrast with
combination chart, dual y-axis chart

base class

In the Actuate Foundation Class Library, a class from which another class in the Actuate Foundation Class hierarchy derives. For example, Actuate Foundation Class, AcConnection, is the base class of all connection classes in a report design, as shown in Figure G-6.

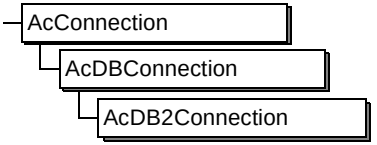


Figure G-6 Base class

Related terms
Actuate Foundation Class (AFC), Actuate Foundation Class (AFC) Library, class, design, hierarchy, report

Contrast with
abstract base class, ancestor class, concrete base class, inheritance

base unit A unit of time displayed on a time-scale axis in a chart.

Related term
chart

Contrast with
grid, tick

Basic source (.bas) file

A file that contains Actuate Basic source code. To create a Basic source file, perform one of the following tasks:

- Compile a report object design (.rod) file, which causes generation of a Basic source (.bas) file. The Factory then compiles the source file or files into a report object executable (.rox) file.
- Write a Basic source file using any text editor and save it to a file having the .bas extension.

Related terms
Actuate Basic, factory, file types, report object design (.rod) file, report object executable (.rox) file

Before

In e.Report Designer Professional, a component reference property identifying a component to be printed or displayed at the beginning of a section. For example, Before can contain column headings. Before is a slot in the layout editor and the report structure. Figure G-7 shows a Before slot in the Report Structure window.

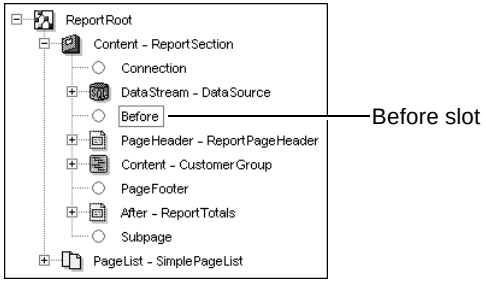


Figure G-7 Before slot

Related terms
Actuate e.Report Designer Professional, component, component reference property, layout editor, Report Structure window, section, slot

Contrast with
After

bidirectional text

Text written in multiple languages, at least one of which reads from right-to-left (RTL) and one of which reads from left-to-right (LTR). When right-to-left text, such as Arabic, mixes with left-to-right text, such as English, in the same paragraph, each type of text is written in its own direction.

BigDecimal class

A Java class used for numeric calculations requiring decimal, floating point arithmetic. A BigDecimal value consists of an arbitrary precision integer and a

32-bit integer scale, for example 1024x10 to the power of 3. This class provides accessor methods that support getting and setting the value.

Related terms
class, Java, method, value

Contrast with
Double class, Float class, Integer class

BIRT Viewer

See Actuate BIRT Viewer.

bookmark

In BIRT technology, an expression that identifies a report element. For example, a table of contents uses a bookmark to navigate to a topic. In a dashboard, a bookmark opens a Reportlet in a gadget.

Related terms
Actuate BIRT technology, dashboard, expression, gadget design (.gadget) file, report element, table of contents

Boolean expression

An expression that evaluates to True or False. For example, Total > 3000 is a Boolean expression. If the condition is met, the condition evaluates to True. If the condition is not met, the condition evaluates to False.

Related term
expression

Contrast with
conditional expression, numeric expression

breakpoint

In BIRT Designer Professional and e.Report Designer Professional, a place marker in a program being debugged. At a breakpoint, execution pauses so the report developer can examine and edit data values.

Related terms
Actuate BIRT Designer Professional, Actuate e.Report Designer Professional, data, debug, value

bridge driver

A driver that maps the functionality of one driver to another with similar behavior. For example, an application that uses the standard Java Database Connectivity (JDBC) protocol communicates with a database through the open database connectivity (ODBC) protocol by using a JDBC-ODBC bridge driver.

Related terms
application, database, driver, Java Database Connectivity (JDBC), open database connectivity (ODBC), protocol

browser button

See ellipsis.

browser scripting control

In e.Report Designer Professional, a control that supports writing code inside an Actuate Basic report. The code can be in any form that a web browser can interpret, including HyperText Markup Language (HTML), Java applets, JavaScript, and VBScript (Visual Basic Script Edition). The web browser interprets the code when the user views a report in Dynamic HyperText Markup Language (DHTML) format. Figure G-8 shows a button and a radio set with text labels that a web browser displays based on the browser scripting control code.

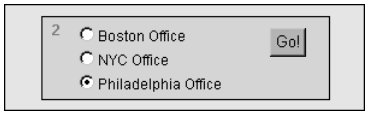


Figure G-8 Browser scripting control in a web browser

Related terms
Actuate Basic report, Actuate e.Report Designer Professional, applet, control, DHTML (Dynamic Hypertext Markup Language), HyperText Markup Language (HTML), Java, JavaScript, report, VBScript (Visual Basic Script Edition)

BSTR

An acronym for basic string or binary string, which is a C++ representation of a Visual Basic string of defined length. A BSTR points to a wide character buffer in Unicode and other 32-bit applications. An integer length value precedes the string. A value of zero within a BSTR does not terminate the string.

Related terms
application, string, Unicode, value

Contrast with
string expression

Builder button

See ellipsis.

bursting

See report bursting.

Business Intelligence and Reporting Tools (BIRT)

An analytics and reporting platform built on Eclipse, the industry standard for open source software development. BIRT provides a complete solution for extracting data and presenting the results in a formatted document.

Related terms
analytics, data, Eclipse, report

Business Intelligence and Reporting Tools (BIRT) Chart Engine

A tool that supports designing and deploying charts outside a report design. Using this engine, Java developers embed charting capabilities into an application. BIRT Chart Engine is a set of Eclipse plug-ins and Java archive (.jar) files. The chart engine is also known as the charting library.

Related terms
application, Business Intelligence and Reporting Tools (BIRT), chart, design, Java, Java archive (.jar) file, library, plug-in, report

Contrast with
Business Intelligence and Reporting Tools (BIRT) Report Engine

Business Intelligence and Reporting Tools (BIRT) Demo Database

A sample database used in tutorials for BIRT Designer Professional. This package provides this sample database in Derby, Microsoft Access, and MySQL Enterprise formats.

Related terms
Actuate BIRT Designer Professional, Business Intelligence and Reporting Tools (BIRT), database

Business Intelligence and Reporting Tools (BIRT) Report Engine

A component that supports deploying BIRT charting, reporting, and viewing capabilities as a stand-alone application or on an application server. BIRT Report Engine consists of a set of Eclipse plug-ins, Java archive (.jar) files, web archive (.war) files, and web applications.

Related terms
application, Business Intelligence and Reporting Tools (BIRT), chart, Eclipse, Java archive (.jar) file, plug-in, report, view, web archive (.war) file

Contrast with
Business Intelligence and Reporting Tools (BIRT) Chart Engine

Business Intelligence and Reporting Tools (BIRT) technology

A set of Java applications and application programming interfaces (API) that support the design and deployment of a business report. The BIRT Java APIs provide programmatic access to BIRT functionality Actuate BIRT technology extends BIRT technology.

Related terms
Actuate BIRT technology, application, application programming interface (API), Business Intelligence and Reporting Tools (BIRT), design, Java

Business Intelligence and Reporting Tools (BIRT) Viewer

See Actuate BIRT Viewer.

BusinessReport design (.bizdesign) file

See Actuate BIRT report design (.rptdesign) file.

BusinessReport document (.bizdocument) file

See Actuate BIRT report document (.rptdocument) file.

C# An object-oriented programming language used to write client/server applications in the Microsoft .NET environment. Actuate supports the .NET

framework for constructing a Simple Object Access Protocol (SOAP) processor using Actuate Information Delivery API (IDAPI).

Related terms
Actuate Information Delivery API (IDAPI), application, client/server, framework, Microsoft .NET, object-oriented programming, Simple Object Access Protocol (SOAP)

Contrast with
Java

Caching process

See server processes.

Caching service

See server service.

calculated column

See computed column.

calculated field

In BIRT Spreadsheet Designer, a field in a data set, data range, or pivot range that uses a formula. A calculated field can perform calculations using the contents of other fields. For example, a calculated field named Forecast can estimate future orders using a formula, such as OrderTotals * 1.2.

Related terms
Actuate BIRT Spreadsheet Designer, data range, data set, field, formula, pivot range

Contrast with
calculated item, computed field

calculated item

In BIRT Spreadsheet Designer, an item in a pivot range field that uses a formula. A calculated item can perform calculations using the contents of other items in the same pivot range field. For example, a calculated item in the Product field can estimate sales for a new product based on Keyboard sales, using a formula such as Keyboard * 1.5.

Related terms
Actuate BIRT Spreadsheet Designer, field, formula, pivot range

Contrast with
calculated field

callback class

In BIRT Spreadsheet Designer, a Java class that a report developer writes to enhance or extend the functionality of a BIRT Spreadsheet workbook. The developer implements two methods, one called before data populates the spreadsheet and one called after data populates the spreadsheet.

Related terms
Actuate BIRT Spreadsheet Designer, class, data, Java, method, report, workbook

cascading events

A sequence of events.

Related term
event

Contrast with
recursion

cascading parameters

In Actuate BIRT spreadsheet technology and BIRT technology, report parameters that have a hierarchical relationship, for example:

```
Country
   State
      City
```

In a group of cascading parameters, each report parameter displays a set of values. When a report user selects a value from the top-level parameter, the selected value determines the values that the next parameter displays, and so on. Cascading parameters display only relevant values to the user. Figure G-9 shows cascading parameters as they appear to a report user.

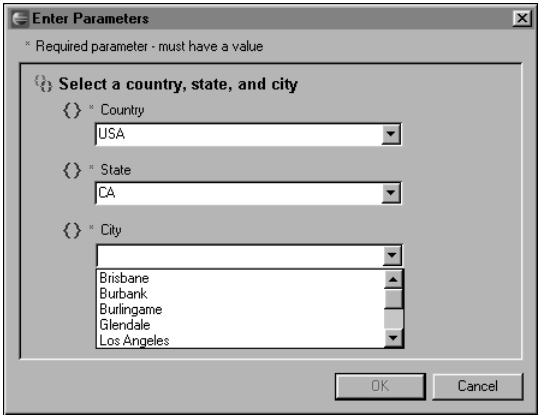


Figure G-9 Cascading parameters

Related terms
Actuate e.Spreadsheet technology, Business Intelligence and Reporting Tools (BIRT) technology, hierarchy, parameter, report, value

cascading style sheet (CSS)

A file containing a set of rules that attaches formats and styles to specified HyperText Markup Language (HTML) elements. For example, a cascading style sheet can specify the color, font, and size of an HTML heading.

Related terms
element, font, format, HyperText Markup Language (HTML), style

Contrast with
template

case sensitivity

A condition in which the letter case is significant for the purposes of comparison. For example, “McManus” does not match “MCMANUS” or “mcmanus” in a case-sensitive environment.

category

1 One of the discrete values that organizes the data on an area, bar, bubble, column, line, step, or stock chart axis. A category axis does not use a numeric scale. Typically, category values appear on the *x*-axis of a chart. In a pie chart, category values define which sectors appear in a pie, as shown in Figure G-10.

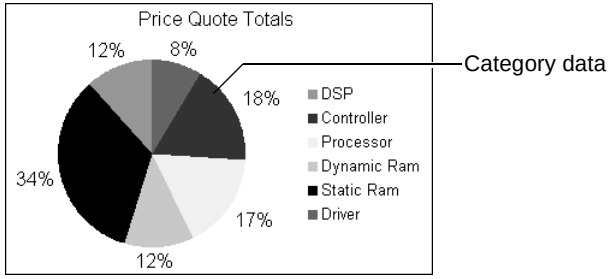


Figure G-10 Category data

2 In Actuate Analytics Cube Viewer and Actuate e.Analysis, a set of values that can be organized into a hierarchy, as shown in Figure G-11.

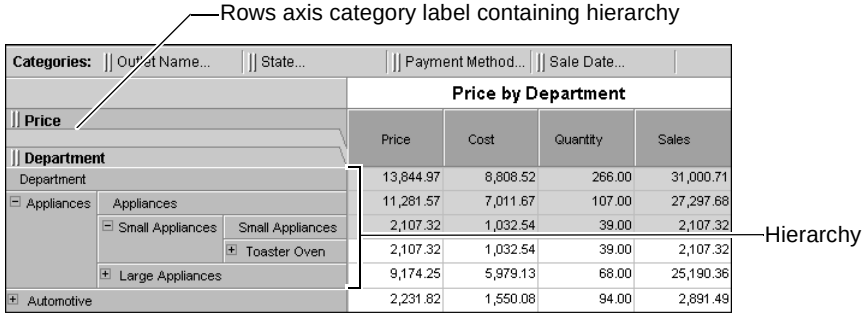


Figure G-11 Category containing a hierarchy

Related terms
Actuate Analytics Cube Viewer, Actuate e.Analysis option, chart, data, hierarchy, row, value

Contrast with
Actuate Analytics option, series

CB4 See cube (.cb4) file.

cell The intersection of a row and a column that displays a value in a cross tab, grid element, table element, or worksheet. Figure G-12 shows a cell.

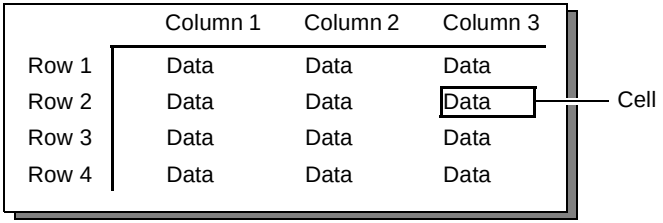


Figure G-12 Cells in a cross tab

Related terms
column, cross tab, grid element, row, table element, value, worksheet

Contrast with
cell reference

cell reference

An address, defined by letter and number, that locates a cell or a range of cells in a BIRT Spreadsheet Designer worksheet. The reference has four parts: workbook name, worksheet name, row, and column. The workbook name and worksheet name are optional. If omitted, these names default to the names of the workbook and the worksheet that use the reference. A cell reference is absolute, external, relative, or virtual. For example, to refer to the cell A1 on a worksheet named Sales in a workbook named Q2Totals.sod, use either of the following identifiers:

- '[Q2Totals.sod]Sales'!A1
- A1

Related terms
absolute cell reference, Actuate BIRT Spreadsheet Designer, cell, column, external cell reference, range, relative cell reference, row, virtual cell reference, workbook, worksheet

channel In Information Console and Management Console, a service to which users subscribe to access particular types of reports on an on-going basis. A channel provides a summary of recently completed jobs and information about the properties of the file used by the job and the job status.

Related terms
Information Console, job, Management Console, report, subscribe

Contrast with
unsubscribe

character An elementary mark that represents data, usually in the form of a graphic spatial arrangement of connected or adjacent strokes, such as a letter or a digit. A

character is independent of font size and other display properties. For example, an uppercase C is a character.

Related terms
data, font, property

Contrast with
character set, glyph, string

character set

A mapping of specific characters to code points. For example, in most character sets, the letter A maps to the hexadecimal value 0x21.

Related terms
character, code point

Contrast with
locale, locale map

chart

A graphic representation of data or the relationships among sets of data, for example a bar, bubble, line, meter, pie, radar, or stock chart.

Related term
data

Contrast with
chart control, chart element

chart control

In e.Report Designer Professional, a control that displays values in the form of a chart. The relevant Actuate Foundation Class is AcChart. Figure G-13 shows a chart control in the layout editor.

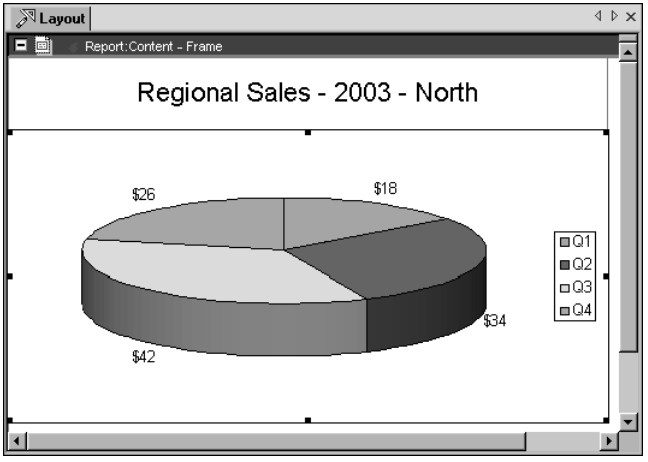


Figure G-13 Chart control in the layout editor

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), chart, control, layout editor, value

Contrast with
chart element, drawing control, image control

chart element

In BIRT technology, a report item that displays values from a data set in the form of a chart.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, chart, data set, report item, value

Contrast with
chart control, charting extension

charting extension

In BIRT technology, an extension that adds a new chart type, a new component to an existing chart type, or a new user interface component to the BIRT chart engine.

Related terms
Business Intelligence and Reporting Tools (BIRT) Chart Engine, Business Intelligence and Reporting Tools (BIRT) technology, chart, extension

Contrast with
report item extension

class

A set of methods and variables that defines the properties and behavior of an object. All objects of a given class are identical in form and behavior, but can contain different data in their variables.

Related terms
data, method, object, property, variable

Contrast with
Actuate Foundation Class (AFC), base class, component, subclass, superclass

class declaration

A statement that defines a class. A class declaration contains other class, method, and variable declarations.

Related terms
class, declaration, method, statement, variable

class hierarchy

A tree structure that represents the inheritance relationships among a set of classes.

Related terms
class, inheritance

Contrast with
base class

class name

A unique name for a class that permits unambiguous references to its public static methods and variables.

Related terms
class, method, static variable, variable

Class page

In e.Report Designer Professional, a page in the Properties window that displays class information about the selected component. A Class page displays information such as the superclass of the selected component, as shown in Figure G-14.

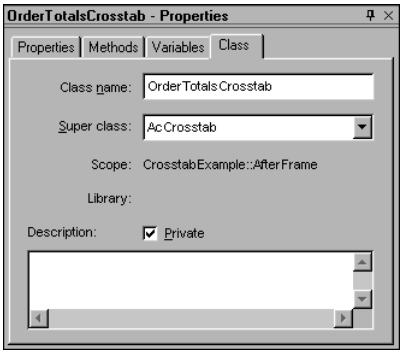


Figure G-14 Class page

Related terms
Actuate e.Report Designer Professional, class, component, Properties window, page, superclass

Contrast with
Methods page, Properties page, Variables page

class representation (.apr) file

In e.Report Designer Professional, a file that contains class association information for the toolbox. The class association defines which component image appears in the toolbox to represent a specific class.

Related terms
Actuate e.Report Designer Professional, class, component, file types, toolbox

class variable

A variable that all instances of a class share. An object-oriented environment makes only one copy of a class variable. The value of the class variable is the same for all instances of the class, for example, the taxRate variable in an Order class.

Related terms
class, object-oriented programming, value, variable

client/server

A relationship in which server software accepts requests from client software and returns a response to the client. Typically, the client and server software are on different machines and communicate over a network. Actuate products have both desktop and web clients.

Related terms
request, response

Contrast with
Actuate BIRT iServer System

Clipboard A temporary storage area that holds information to transfer from one document or application to another.

Related term
application

Contrast with
Scratch Pad

clone A mechanism that duplicates properties of an item within an Encyclopedia volume. For example, a channel, a notification group, a security role, or a user can be cloned. The process copies all memberships, properties, relationships, and subscriptions and the properties shown on the Properties page for the item.

Related terms
channel, Encyclopedia volume, notification group, Properties page, property, security role, subscribe

cloud computing

A shared internet or network computing environment that uses a remote server for application and data management. All resources are available from these remote sources rather than installed on the local machine. In the Actuate product environment, a cloud deployment is a replicated instance of an installed BIRT iServer image that contains only the run-time environment.

Cloud computing simplifies the process of creating and maintaining a BIRT iServer cluster. On a network, nodes having the same cluster ID automatically detect each other and join to form a cluster. All nodes share the same stateless BIRT iServer image.

Related terms
Actuate BIRT iServer, application, cluster, data, instance, node, run time

cluster A group of active Actuate BIRT iServer nodes on the same network. Actuate architecture supports multiple machines working together.

Related terms
Actuate BIRT iServer, node

Contrast with
cluster master, cluster member

cluster master

An Actuate BIRT iServer instance that controls all processes in a BIRT iServer System cluster. The master monitors the status of all nodes in the cluster, performing load balancing, detecting failover, and re-directing processing based on available resources.

Related terms
Actuate BIRT iServer, Actuate BIRT iServer System, cluster, failover, node, process

Contrast with
cluster member

cluster member

An Actuate BIRT iServer node in a cluster.

Related terms
Actuate BIRT iServer, cluster, node

Contrast with
cluster master

code point

A hexadecimal value in a character set. Every character in a character set is represented by a code point. The computer uses the code point to process the character.

Related terms
character, character set, value

Contrast with
locale map

color chooser

A tool that specifies colors for parts of a report such as fonts, frame backgrounds, lines, and report element backgrounds. For example, in e.Report Designer Professional, a report developer accesses the color chooser by using the ellipsis button on the Properties page. Figure G-15 shows where to access the e.Report Designer Professional color chooser.

Related terms
Actuate e.Report Designer Professional, ellipsis, font, frame, line control, Properties page, report, report element

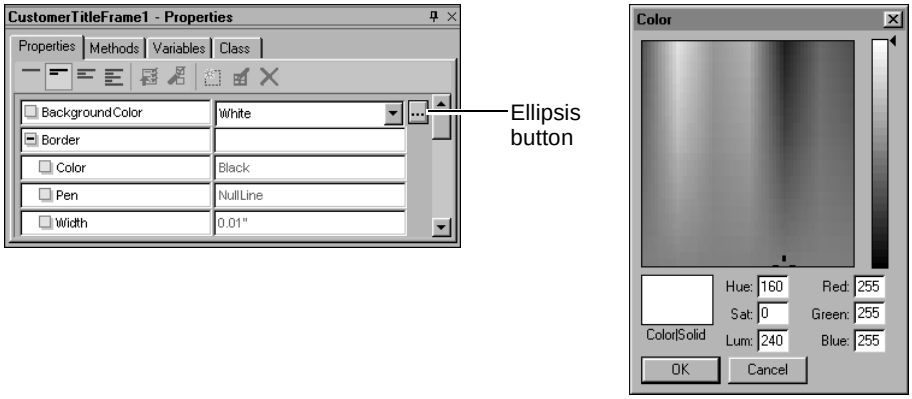


Figure G-15 Color chooser

column

1 A named field in a database table or query. For each data row, the column can have a different value, called the column value. The term column refers to the definition of the column, not to any particular value. Figure G-16 shows the names of columns in database tables.

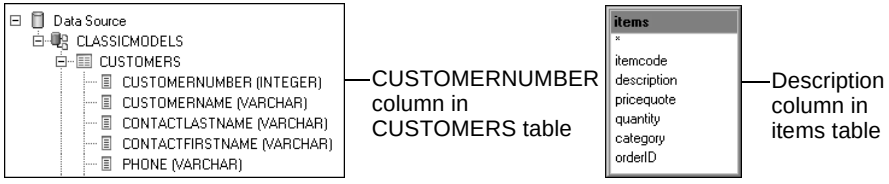


Figure G-16 Columns in database tables

2 A vertical sequence of cells in a cross tab, grid element, table element, or a BIRT Spreadsheet Designer worksheet. Figure G-17 shows a column in a cross tab.

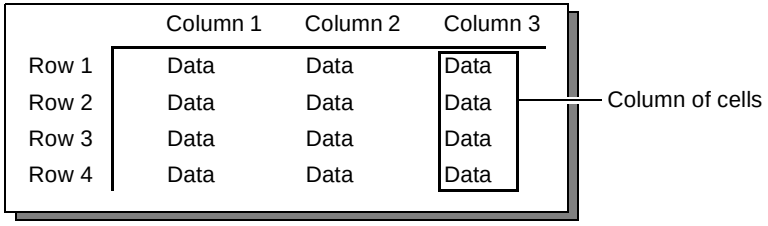


Figure G-17 Column in a cross tab

Related terms

Actuate BIRT Spreadsheet Designer, cell, cross tab, data row, database, field, grid element, query, table, table element, value, worksheet

Contrast with

Column Editor

column area

In BIRT Spreadsheet Designer, an area that identifies the values for each column in a data range. The column area occupies the bottom row in the template area, as shown in Figure G-18.

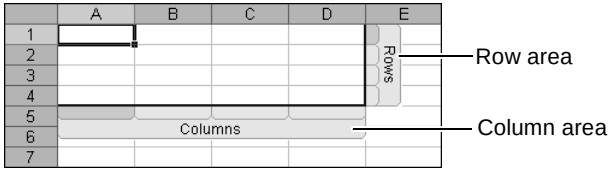


Figure G-18 Column area

Related terms
Actuate BIRT Spreadsheet Designer, column, data range, row, value

Contrast with
row area

column binding

In BIRT technology, a named column that defines an expression specifying what data to return. For each piece of data to display in a report, there must be a column binding. Column bindings form a required intermediate layer between data-set data and report elements.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, column, data, data set, expression, report, report element

Column Editor

In e.Report Designer Professional, a tool used to create a column or to change column properties such as title and data type.

Related terms
Actuate e.Report Designer Professional, column, data type, property

column field

In a BIRT Spreadsheet Designer pivot range, a field defining the data that appears in columns.

Related terms
Actuate BIRT Spreadsheet Designer, column, data, field, pivot range

Contrast with
calculated field, calculated item, data field, page field, row field

column key

An expression used to group data rows into columns and sub-columns in a cross-tab control or element.

Related terms
column, cross-tab control, cross-tab element, data row, expression, group

Contrast with
row key

Columns page

A page in a query editor that lists columns selected for inclusion in a query. For example, Figure G-19 shows the Columns page in e.Report Designer Professional.

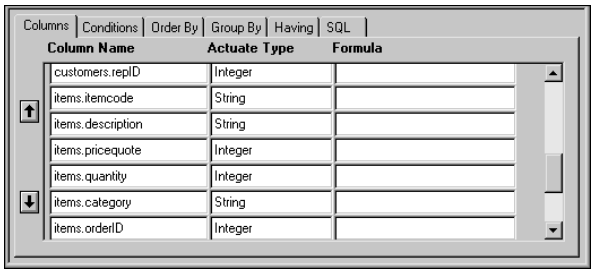


Figure G-19 Columns page

Related terms
Actuate e.Report Designer Professional, column, page, query, query editor

combination chart

In BIRT and spreadsheet reports, a chart in which multiple data series appear as different chart types. In Figure G-20, for example, the data series for 2004 appears as a line, which stands out as the year of highest annual revenue.

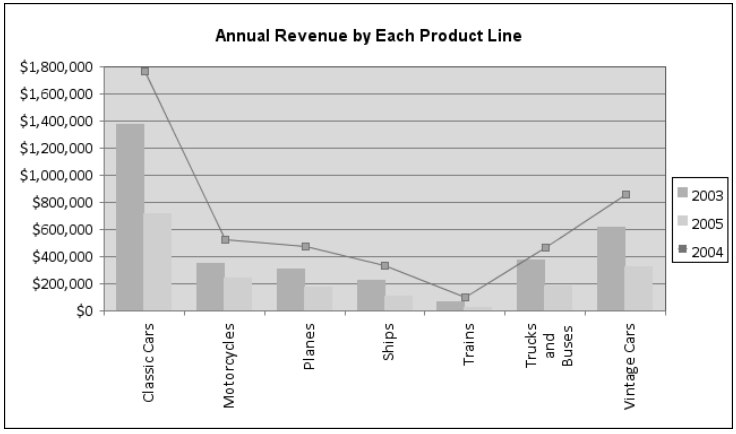


Figure G-20 Combination chart

Related terms
Actuate e.Spreadsheet technology, Business Intelligence and Reporting Tools (BIRT), chart, data, series

Contrast with
base chart, chart control, chart element, dual y-axis chart, flash chart element, hyperchart, study chart

comma-separated values (CSV) file

A flat file format that stores data in a tabular structure, separating the rows by new-line characters, the column values by commas, and delimiting the column values containing special characters by quotation marks.

Related terms
column, data, flat file, format, row, value

Contrast with
file types

Common Gateway Interface (CGI)

An internet protocol that specifies how a client application communicates with a web server to obtain data such as a generated web page. When a user submits a HyperText Markup Language (HTML) form, the client application uses CGI to make a call to the server passing the user input as parameters.

Related terms
application, client/server, data, HyperText Markup Language (HTML), parameter, protocol, web page, web server

compile

To translate code written by a programmer into object code for execution.

- In BIRT Designer Professional and BIRT Spreadsheet Designer, compiling translates a Java source code file into a bytecode (.class) file.
- In e.Report Designer Professional, compiling translates an Actuate Basic source (.bas) file and a report object design (.rod) file into a report object executable (.rox) file.
- In BIRT Designer Professional and BIRT Information Designer, compiling translates data connection definition (.dcd) files, data source map (.sma) files, and Actuate information object (.iob) files into an information object.
- In iServer Integration Technology, compiling an Information Delivery API (IDAPI) application written in Java translates a source code file into a bytecode (.class) file. Similarly, compiling an IDAPI application written in Microsoft .NET C# translates a source code file into object code.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Information Designer, Actuate BIRT Spreadsheet Designer, Actuate e.Report Designer Professional, Actuate information object (.iob) file, Actuate iServer Integration Technology, Basic source (.bas) file, data connection definition (.dcd) file, data source map (.sma) file, Information Delivery API, information object, Java, Microsoft .NET, report object design (.rod) file, report object executable (.rox) file

Contrast with
file types

completed job

A scheduled job that has succeeded or failed.

Related terms
job, scheduled job

Contrast with
pending job, running job

completion notice

Information about the status of a report scheduled to run, convert to a specified format, or print. This information includes success or failure status, the name of the executable file or source document, any output document, and messages showing the progress of the job. A completion notice links to the resulting report document. A temporary report does not generate a completion notice.

Related terms
format, job, report, report document, run, temporary report

Contrast with
channel

component

1. In e.Report Designer Professional, a building block used to construct a report design. Components have properties and methods that define their appearance and behavior. One component can be based on or derived from another component. All components derive from AcComponent, the principal base Actuate Foundation Class.
2. A web archive (.war) file that provides Actuate Java product capabilities, enabled by a license key. The Actuate BIRT Java Components package includes the following components:
   - Actuate BIRT Data Analyzer
   - Actuate BIRT Deployment Kit
   - Actuate BIRT Interactive Viewer Component
   - Actuate BIRT Spreadsheet Deployment Kit
   - Actuate BIRT Studio Component
   - Actuate BIRT Viewer Component

Related terms
Actuate BIRT Data Analyzer, Actuate BIRT Deployment Kit, Actuate BIRT Interactive Viewer, Actuate BIRT Spreadsheet Deployment Kit, Actuate BIRT Studio, Actuate BIRT Viewer, Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), base class, design, Java, library, method, property, report, web archive (.war) file

Contrast with
component library, object, toolbox, visual component

component library

In e.Report Designer Professional, a file containing components that provide consistent behavior and appearance across a suite of reports. Modifying a component in a library updates the component in all report designs that use that library. The file extension of report object library files is .rol.

Related terms
Actuate e.Report Designer Professional, component, design, file types, library, report, report object library (.rol) file

Contrast with
Actuate Foundation Class (AFC), class

component reference property

In e.Report Designer Professional, a property that records reference relationships among components. A component reference property is an Actuate Foundation Class (AFC) property that stores the name of another component. For example, a frame Content property stores the names of controls within that frame.

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, control, frame, property

Contrast with
structured content

computed column

In a report created using Actuate BIRT Studio, a column in which each cell displays the result of an expression.

Related terms
Actuate BIRT Studio, cell, column, expression, report

Contrast with
computed field, computed value

computed field

A field that displays the result of an expression.

Related terms
expression, field

Contrast with
computed column, computed value

computed value

In BIRT technology, the result of a calculated expression. To display a computed value in a report, use a data element.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, data element, expression, report, value

Contrast with
computed column, computed field

concrete base class

A class created to organize a hierarchy or define methods and variables that apply to derived classes. A concrete base class supports the creation of instances.

Related terms
class, class hierarchy, method, variable

Contrast with
abstract base class, base class, object

conditional expression

In BIRT technology, an expression that returns value A or value B depending on whether a Boolean expression evaluates to True or False.

Related terms
Boolean expression, Business Intelligence and Reporting Tools (BIRT) technology, expression, value

conditional format

A format that applies to a cell or a control when a specified condition is met.

Related terms
cell, control, format

conditional section

In e.Report Designer Professional, a section that uses a Boolean expression to determine which of two frames or sections to include in a report. Figure G-21 shows a conditional section in the Report Structure window.

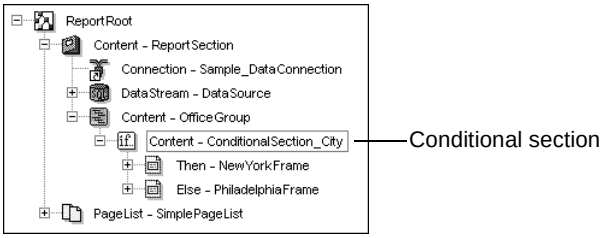


Figure G-21 Conditional section

Related terms
Actuate e.Report Designer Professional, Boolean expression, frame, report, Report Structure window, section

Conditions page

A page in a query editor that displays selection criteria for rows that the query selects from the data source. In BIRT Information Designer, the name of the

Conditions page is Filters. Figure G-22 shows the Conditions page in e.Report Designer Professional.

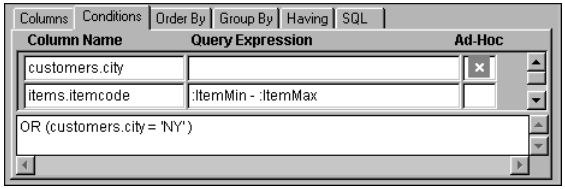


Figure G-22 Conditions page

Related terms
Actuate BIRT Information Designer, Actuate e.Report Designer Professional, data source, page, query, query editor, row

Configuration Console

A tool used to configure Actuate BIRT iServer System. For example, you can configure logging and e-mail notification. In Actuate BIRT iServer, the advanced view provides more options, such as adding or removing servers in a cluster and taking an Encyclopedia volume off-line.

Related terms
Actuate BIRT iServer, Actuate BIRT iServer System, cluster, Encyclopedia volume, notification

Contrast with
Information Console, Management Console

configuration file

An Extensible Markup Language (XML) file containing the parameters and settings used to set run-time values in a program environment. For example, Actuate products use the following configuration files:

1. In e.Report Designer Professional, a user-defined file that stores connection information for data sources and location information for component libraries and Actuate Basic source (.bas) files.
2. In open data access (ODA) for e.Report Designer Professional, a file that specifies the ODA version of the driver and defines the contents, semantics, and structure of requests and responses between the custom data source and e.Report Designer Professional or Actuate BIRT iServer.
3. In Actuate Analytics option, BIRT, BIRT Information Designer, and BIRT Spreadsheet Designer, a user-defined file that specifies data source connection settings for a report or information object. The settings in a configuration file override the settings in a report executable file located in an Encyclopedia volume.

Related terms
Actuate Analytics option, Actuate Basic report, Actuate BIRT Information Designer, Actuate BIRT iServer, Actuate BIRT Spreadsheet Designer, Actuate e.Report Designer Professional, Basic source (.bas) file, Business Intelligence and Reporting Tools (BIRT), component library, Configuration Console, connection, data source, Encyclopedia volume, Extensible Markup Language (XML), open data access (ODA), open data access (ODA) driver, parameter, report, request, response, run time, value

Contrast with
Configuration Console, data connection definition (.dcd) file

Connection

1 In e.Report Designer Professional, a component reference property that specifies a link to a data source. Connection is a slot in the Report Structure window. The relevant Actuate Foundation Class is AcConnection. Figure G-23 shows a populated connection slot in the Report Structure window.

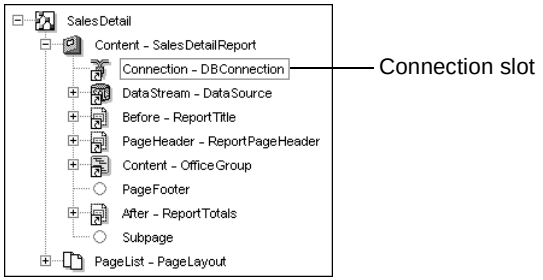


Figure G-23 Connection slot

2 In BIRT Designer Professional, a Java object that provides access to a data source.

Related terms
Actuate BIRT Designer Professional, Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component reference property, data source, Java, object, Report Structure window, slot

Contrast with
connection, connection property

connection

A communication link to a database or other data source, defined by a set of connection properties:

1 In BIRT Spreadsheet Designer, a Uniform Resource Locator (URL) used to connect a workbook to a database. Figure G-24 shows the connection properties for a Microsoft SQL Server database.

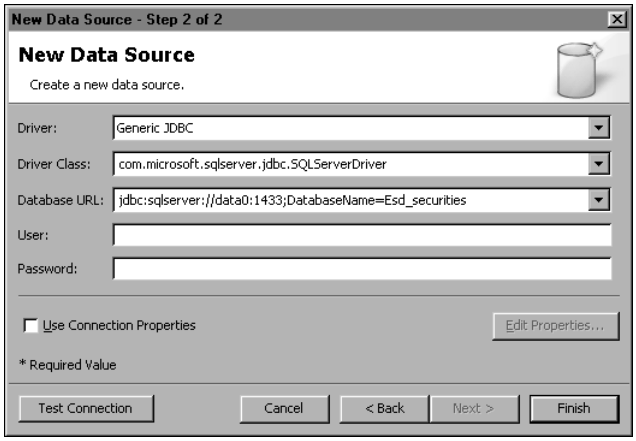


Figure G-24 Connection properties in BIRT Spreadsheet Designer

2 In e.Report Designer Professional, a component that establishes a link with a data source. Each of the standard connections uses a corresponding Actuate Foundation Class derived from AcConnection. Figure G-25 shows a list of connection components.

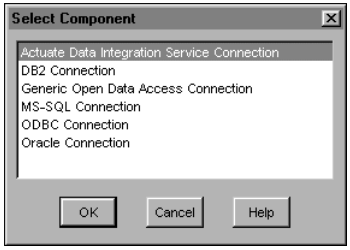


Figure G-25 Connection components

3 In BIRT Designer Professional and BIRT Information Designer, a data connection definition (.dcd) file that provides access to a data source. The file contains a set of data source connection properties. Figure G-26 shows the data source connection properties for a SQL Server 2005 database.

Related terms

Actuate BIRT Designer Professional, Actuate BIRT Information Designer, Actuate BIRT Spreadsheet Designer, Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, connection property, data connection definition (.dcd) file, data source, database, property, Uniform Resource Locator (URL), workbook

Contrast with

Connection

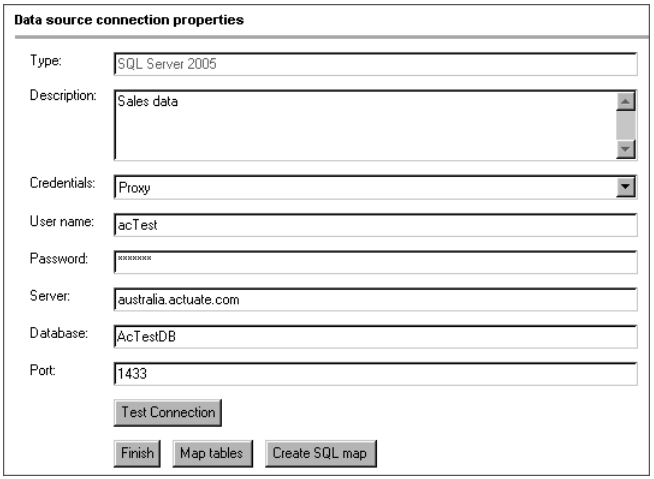


Figure G-26 BIRT Information Designer connection properties

connection property

A named value used to connect to a data source. The properties vary depending on the data source type. Typical connection properties are user name and password. For example, Figure G-27 shows connection properties for a Connection component in e.Report Designer Professional.

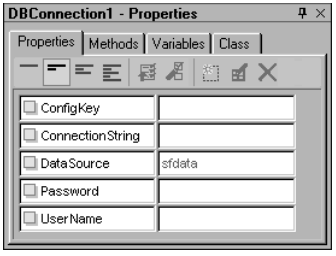


Figure G-27 e.Report Designer Professional connection properties

Related terms

Actuate e.Report Designer Professional, component, Connection, data source, password, property, value

Contrast with

configuration file

consistent report design

In e.Report Designer Professional, a report design that compiles and executes with no errors. A design-consistency check inspects the design and any included component libraries for references to unknown classes, methods, or variables.

Related terms
Actuate e.Report Designer Professional, class, compile, component library, design, method, reference, variable

constant An unchanging, predefined value. A constant does not change while a program is running, but the value of a field or variable can change.

Related terms
field, value, variable

constructor code

Code that initializes an instance of a class.

Related term
class

Contrast with
object

container

1. An application that acts as a master program to hold and execute a set of commands or to run other software routines. For example, an application server provides a container that supports communication between an application and an Enterprise JavaBean.
2. A data structure that holds one or more different types of data. For example, in e.Report Designer Professional, a frame is a container for controls.

Related terms
Actuate e.Report Designer Professional, application, control, data, Enterprise JavaBean (EJB), frame

containment

In Actuate BIRT Designer Professional and e.Report Designer Professional, a relationship among instantiated objects in a report. One object, the container, defines the scope of other objects, the contents.

Related terms
Actuate BIRT Designer Professional, Actuate e.Report Designer Professional, container, instantiation, object, report, scope

containment hierarchy

In BIRT Designer Professional and e.Report Designer Professional, a hierarchy of objects in a report. For example, in e.Report Designer Professional, a frame is a container for controls and a report section is a container for frames.

Related terms
Actuate BIRT Designer Professional, Actuate e.Report Designer Professional, container, control, frame, hierarchy, object, report, report section

Content In e.Report Designer Professional, a component reference property that determines which items appear in a component for every data row processed by the component. For example, the content of the innermost group section is typically a frame displaying data for each data row. Content is a slot in the layout

editor and the report structure. Figure G-28 shows a frame in a Content slot in the Report Structure window.

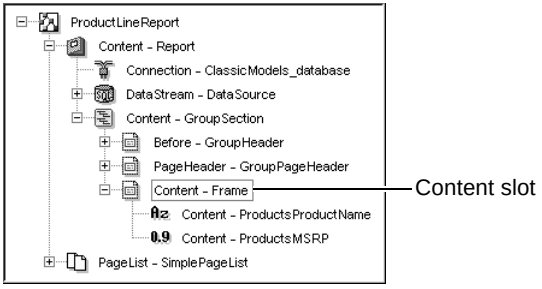


Figure G-28 Content slot containing a frame component

Related terms

Actuate e.Report Designer Professional, component, component reference property, data, data row, frame, group section, layout editor, Report Structure window

content See structured content.

control In e.Report Designer Professional, a visual component such as a chart, image, integer, or text, that can be placed in a frame or on a page in a report design. These components display data, perform an action, or make the report easier to understand. A control can be data driven or static. Figure G-29 shows image, integer, label, and text controls in a frame in the layout editor.

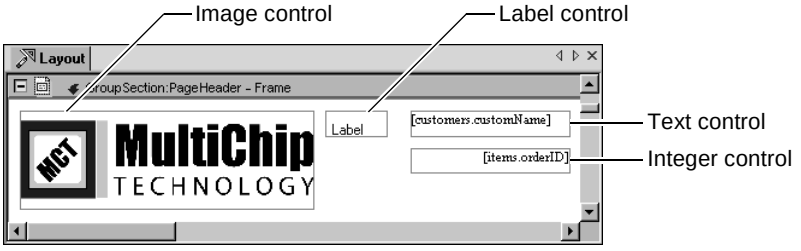


Figure G-29 Controls in a frame

Related terms

Actuate e.Report Designer Professional, chart, chart control, component, data, data control, design, frame, image, image control, integer control, label control, layout editor, page, report, static control, text control

Contrast with

browser scripting control, cross tab, currency control, floating point control, data filter, date time control, dynamic text element, grid, page, rectangle control

converter **1** A tool that converts data from one format to another format. BIRT technology provides an Excel converter, PDF converter, PostScript converter, PowerPoint converter, Word converter, and an XML converter.

2 A tool used by Information Console to convert Actuate Basic report data to a viewable format such as Dynamic HyperText Markup Language (DHTML) or PDF.

Related terms
Actuate Basic report, Business Intelligence and Reporting Tools (BIRT) technology, data, Dynamic HyperText Markup Language (DHTML), Excel converter, format, Information Console, PDF converter, PostScript converter, PowerPoint converter, Word converter, XML converter

cross tab A report that arranges data into a concise summary for analysis. Data values appear in a matrix of rows and columns. Every cell in a cross tab contains an aggregate value. A cross tab shows how one item relates to another, such as an order total aggregated by credit rating and order status. Figure G-30 shows a cross tab.

Order Totals by Credit Rating and Order Status

	A			B			C			Totals		
	Quantity	*Ave Qty*	*Amount*	*Quantity*	*Ave Qty*	*Amount*	*Quantity*	*Ave Qty*	*Amount*	*Quantity*	*Ave Qty*	*Amount*
Open	98,205	349	9,870,799	40,472	283	4,673,517	4,980	332	636,555	143,657	327	15,180,871
Closed	171,813	365	20,633,175	131,183	497	14,465,314	21,790	198	2,591,731	324,786	384	37,690,220
In Evaluation	90,969	469	12,135,326	22,168	411	2,596,936	0		0	113,137	456	14,732,262
Cancelled	23,944	855	3,029,520	0		0	0		0	23,944	855	3,029,520
Selected	10,540	527	1,375,204	0		0	0		0	10,540	527	1,375,204
Totals	395,471	398	47,044,024	193,823	420	21,735,767	26,770	214	3,228,286	616,064	390	72,008,077

Figure G-30 Cross tab displaying order totals

Related terms
aggregate value, cell, column, data, report, row, table, value

Contrast with
aggregate function, analytics, cross-tab control, cross-tab element, cube report (.cvw) file, grid

cross-tab control

In e.Report Designer Professional, a control that displays a cross tab. A cross tab displays summary data in a matrix of columns and rows. The relevant Actuate Foundation Class is AcCrosstab. Figure G-31 shows a cross-tab control.

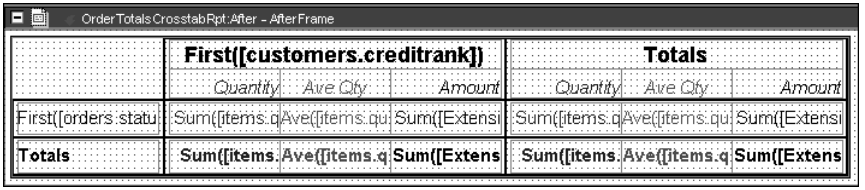


Figure G-31 Cross-tab control

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), column, control, cross tab, data, row

Contrast with
analytics, cell, grid, table

cross-tab data analyzer

See Actuate BIRT Data Analyzer.

cross-tab element

In BIRT technology, a report item that displays a cross tab. A cross tab displays aggregate values in a matrix of rows and columns. Figure G-32 shows a cross-tab element.

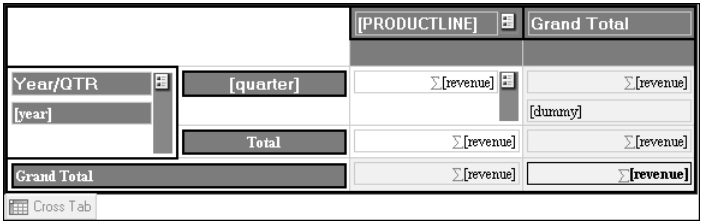


Figure G-32 Cross-tab element

Related terms
aggregate value, Business Intelligence and Reporting Tools (BIRT) technology, column, cross tab, report item, row

Contrast with
analytics

cross-tabulation

See cross tab.

CSS

See cascading style sheet (CSS).

cube

A multidimensional data structure that provides multiple dimensions and multiple measures to access and analyze large quantities of data. BIRT technology uses a cube to structure data for display in a cross-tab element. Analytics option, BIRT Data Analyzer option, and e.Analysis option support data formatted into cubes, which are stored as cube (.cb4) files, data object (.datadesign) files, or data object store (.data) files, and linked to Dynamic HyperText Markup Language (DHTML) pages, respectively.

Related terms
Actuate Analytics option, Actuate BIRT Data Analyzer option, Actuate e.Analysis option, Business Intelligence and Reporting Tools (BIRT) technology, cross-tab element, cube (.cb4) file, data, data object design (.datadesign) file, data object store (.data) file, dimension, Dynamic HyperText Markup Language (DHTML), file types, Java, measure, multidimensional data

Contrast with
Actuate Analytics Cube Viewer, analytics, cube profile (.dp4) file, cube report (.cvw) file, cube view

cube (.cb4) file

A highly compressed multidimensional data file that contains a cube. After creating a cube profile (.dp4) file, a data architect or Actuate BIRT iServer administrator uses Information Console or Management Console to generate a cube. During generation, Actuate BIRT iServer uses the cube profile and data from a data source to generate a cube and store it as a cube file.

Related terms
Actuate BIRT iServer, administrator, analytics, cube, cube profile (.dp4) file, data, data source, file types, Information Console, Management Console

Contrast with
cube report (.cvw) file, cube view, file types, multidimensional analysis

cube profile (.dp4) file

A design file created using Analytics Cube Designer, available in Actuate Release 10 Service Pack 1 and earlier, that contains the specifications for building and running a cube. A cube profile specifies the data to be analyzed, the structure of the cube, and general cube properties.

Related terms
Actuate Analytics Cube Designer, cube, data, design, property

Contrast with
cube (.cb4) file, cube report (.cvw) file, cube view, file types

cube report (.cvw) file

A report document created using Actuate Analytics Cube Viewer that contains structured and formatted data. To create a cube report file, save a cube view in an Encyclopedia volume. The cube report file makes the cube view available for sharing with other users. A cube report file contains any customizations that the user made to the cube view.

Related terms
Actuate Analytics Cube Viewer, cube (.cb4) file, cube profile (.dp4) file, cube view, data, design, Encyclopedia volume, format, report document

Contrast with
analytics, cross tab, cube, file types

cube view

A display of data in a cube. A cube view contains the data in a cube and all the formatting and filters applied using Actuate BIRT Data Analyzer or Actuate Analytics Cube Viewer.

1. A cube view modified using Actuate BIRT Data Analyzer can be saved to a cube view (.cubeview) file in an Encyclopedia volume.
2. A cube view modified using Actuate Analytics Cube Viewer can be saved to a cube report (.cvw) file in an Encyclopedia volume. A cube view can be downloaded to HyperText Markup Language (HTML) pages. The downloaded cube view does not preserve any customizations.

Related terms
Actuate Analytics Cube Viewer, Actuate BIRT Data Analyzer, cube, cube report (.cvw) file, cube view (.cubeview) file, data, Encyclopedia volume, format, HyperText Markup Language (HTML)

Contrast with
analytics, cube (.cb4) file, cube profile (.dp4) file

cube view (.cubeview) file

A file created using Actuate BIRT Data Analyzer. A cube view file contains the data in a cube and all the formatting and filters applied. A cube view file can be saved to an Encyclopedia volume.

Related terms
Actuate BIRT Data Analyzer, cube, data, Encyclopedia volume, file types, filter, format

Contrast with
cube view

CUBEVIEW

See cube view (.cubeview) file.

currency control

In e.Report Designer Professional, a component that adds currency data to a report. A currency control must be in a flow, frame, or page. The relevant Actuate Foundation Class is AcCurrencyControl. Figure G-33 shows a currency control.

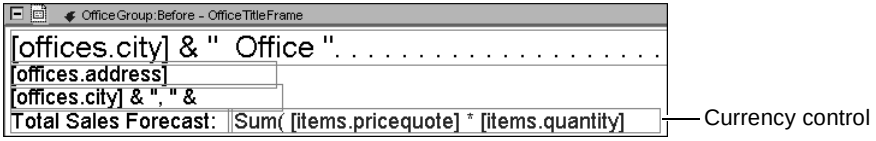


Figure G-33 Currency control displaying an expression in the layout editor

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, control, Currency data type, data, flow, frame, layout editor, page, report

Contrast with
floating point control

Currency data type

An Actuate Basic data type used for financial or fixed point calculations. The Currency data type stores numbers having up to 20 digits to the left of the decimal point and up to 9 digits to the right of the decimal point. The range of the currency data type is -39,614,081,257,132,168,796.771975167 to 39,614,081,257,132,168,796.771975167.

Related terms
Actuate Basic, data type

Contrast with
currency control, Double data type

custom data source

See open data access (ODA).

custom event

An Actuate BIRT iServer System mechanism that supports scheduling a job based on a signal received from an application. The application communicates with Actuate BIRT iServer using a web service. Actuate BIRT iServer runs the job when it receives the signal. Actuate iServer Integration Technology provides an example of a custom event application, including the source code, in the Custom Event Web Service folder.

Related terms
Actuate BIRT iServer, Actuate BIRT iServer System, Actuate iServer Integration Technology, application, event, job, web service

Contrast with
event handler, event listener

CVW

See cube report (.cvw) file.

DASHBOARD

See dashboard design (.dashboard) file.

dashboard

A self-contained application that displays business information as content-rich gadgets on a web page. A dashboard supports creating new gadgets and displaying real-time or static data as interactive charts, cross-tabs, flash visualizations, formatted text, and Reportlets. A dashboard contains one or more gadgets that display information or accept user input to change the content of a linked gadget. Actuate BIRT 360 supports the creation and use of dashboards on an Actuate BIRT iServer System, as shown in Figure G-34. Actuate JavaScript API (JSAPI) supports the presentation and linking of Actuate gadgets on a dashboard.

Related terms
Actuate BIRT 360, Actuate BIRT iServer System, Actuate JavaScript API (JSAPI), application, gadget design (.gadget) file, Reportlet, web page

Contrast with
dashboard design (.dashboard) file, structured content

dashboard design (.dashboard) file

A file created using Actuate BIRT 360 that contains one or more dashboards. In an Encyclopedia volume, a dashboard file supports individual and shared user-access control to enable users adding content to their personal dashboards.

Related terms
Actuate BIRT 360, dashboard, Encyclopedia volume, file types

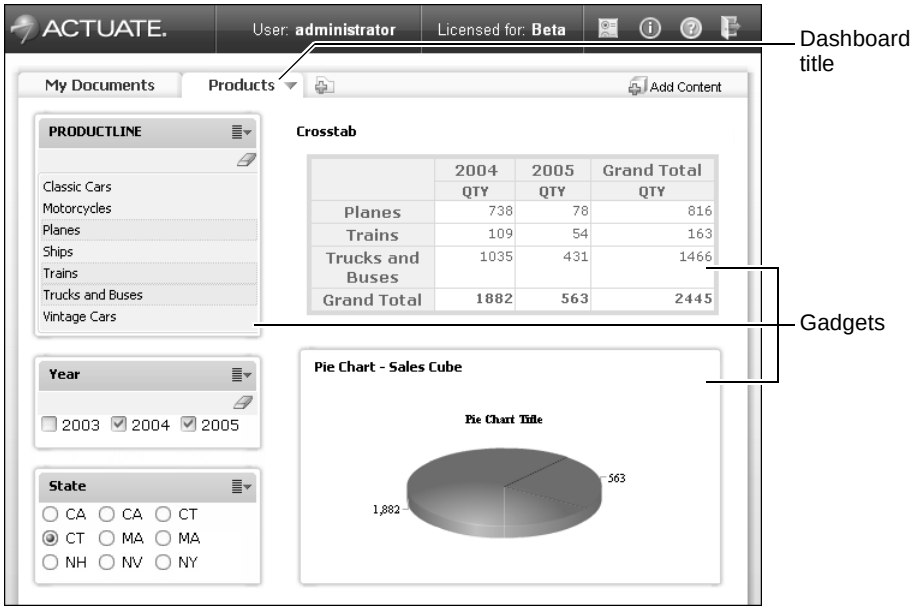


Figure G-34 A dashboard appearing in BIRT 360

DATA See data object store (.data) file.

data Information stored in databases, flat files, information objects, or other data sources.

Related terms
data source, database, flat file, information object

Contrast with
metadata

data abstraction

A technique for reducing the complexity of data, by concealing data objects. Data abstraction controls the fields and functions that a calling application can access and manipulate. For example, a complex data object, such as an employee object, uses one or more other data objects, such as text fields and numeric fields. In this example, data abstraction can hide sensitive information, such as salary and social security number.

Related terms
application, data, field, function, object

Contrast with
data type, object-oriented programming

data adapter

In e.Report Designer Professional, a data stream processing component. A data adapter filters, retrieves, sorts, or otherwise processes information. The two types of data adapters are data filters and data sources. The relevant Actuate Foundation Class is AcDataAdapter. Figure G-35 illustrates how a data adapter processes data.

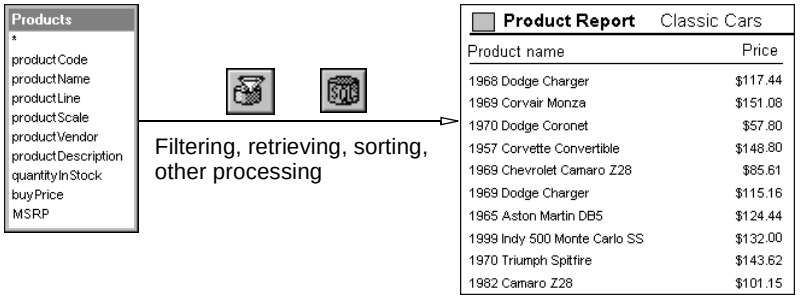


Figure G-35 Data adapter processing data field values for a report

Related terms

Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, data, data filter, data source, data stream, report, sort

data analysis

See analytics.

data analyzer

See Actuate BIRT Data Analyzer.

data binding

See column binding.

data connection definition (.dcd) file

A file created using BIRT Information Designer that contains connection properties and security settings for a data source.

Related terms

Actuate BIRT Information Designer, connection, connection property, data source

Contrast with

file types

data control

In e.Report Designer Professional, a component that stores, then displays data. The relevant Actuate Foundation Classes are AcCurrencyControl, AcDataControl, AcDateTimeControl, AcDoubleControl, AcIntegerControl, and AcTextControl.

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, data

Contrast with
control, data field, static control

data element

In BIRT technology, a report item that displays a computed value or a value from a data set field.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, computed value, data set, field, report item, value

Contrast with
label element, Report Object Model (ROM) element, text element

Data Explorer

1 In BIRT Designer Professional, an Eclipse view that shows the data cubes, data sets, data sources, and report parameters used in a report. Use Data Explorer to create, edit, or delete these items. Figure G-36 shows Data Explorer.

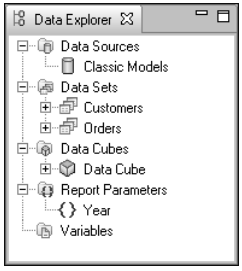


Figure G-36 Data Explorer

2 In BIRT Spreadsheet Designer, a window that shows the data sets, data sources, macros, and parameters used in a report. Use Data Explorer to create, edit, or delete these items.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Spreadsheet Designer, cube, data set, data source, Eclipse view, parameter, report

data field

1 A report item used to display and enter data. A data field typically contains data from a database or other data source.

2 In a BIRT Spreadsheet Designer pivot range, a field that determines the calculated data or summary data that the pivot range displays. Typically, a data field uses a calculation and a database field, such as the sum of sales.

Related terms
Actuate BIRT Spreadsheet Designer, data, data source, database, field, pivot range

data filter

In e.Report Designer Professional, a component that can compute new values, join data from multiple data adapters, perform custom lookup, select rows, and sort rows. A data filter is a type of data adapter. Data can pass through a series of data filters before being delivered to the report. The relevant Actuate Foundation Classes are AcDataRowBuffer, AcDataRowSorter, AcMultipleInputFilter, and AcSingleInputFilter. Figure G-37 shows data filters in a data stream.

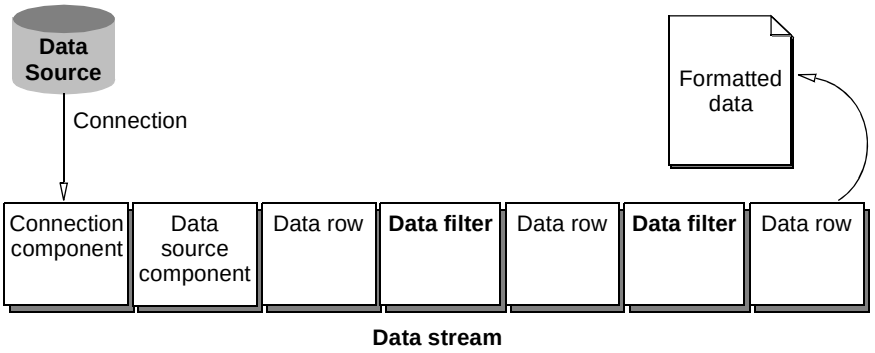


Figure G-37 Data filter components

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, data, data adapter, data stream, filter, join, report, row, sort, value

Contrast with
query, sort filter

data label

Text that describes a data point in a chart. A data label line connects the data label to its data point.

Related terms
chart, data, data point

data object design (.datadesign) file

An Extensible Markup Language (XML) file created using BIRT Designer Professional. This file type can contain a collection of BIRT cube and data set definitions created from one or more data sources. BIRT Data Analyzer supports analyzing cube data in a data object design (.datadesign) file. The cubes in a data object supports business users creating dashboard gadgets such as charts, cross tabs, dashboard KPIs, and tables.

Related terms
Actuate BIRT Data Analyzer, Actuate BIRT Designer Professional, chart, cross tab, cube, dashboard, data, data set, data source, Extensible Markup Language (XML), file types, table

Contrast with
Actuate BIRT data object

data object executable (.dox) file

A file created using e.Report Designer Professional that specifies the font properties for Actuate Query output.

Related terms
Actuate e.Report Designer Professional, Actuate Query, file types, font, property

Contrast with
data object instance (.doi) file, data object value (.dov) file

data object instance (.doi) file

A file that contains Actuate Query output.

Related terms
Actuate Query, file types

Contrast with
data object executable (.dox) file, data object value (.dov) file

data object store (.data) file

A file that contains the document output from running a data object design (.datadesign) file in an Encyclopedia volume. A DATA file is a persistent data repository.

Related terms
data, data object design (.datadesign) file, Encyclopedia volume, file types, repository

Contrast with
Actuate BIRT data object store

data object value (.dov) file

A file created using Actuate Query that contains a saved query.

Related terms
Actuate Query, file types, query

Contrast with
data object executable (.dox) file, data object instance (.doi) file

data point A point on a chart that corresponds to a particular pair of *x*- and *y*-axis values.

Related terms
chart, value

Contrast with
data label, data row, data set

data range

In BIRT Spreadsheet Designer, a range of cells that combines and compares data in a dynamic layout similar to a cross-tab report. A data range summarizes and arranges data in multiple and dynamic hierarchies.

Related terms
Actuate BIRT Spreadsheet Designer, cell, cross tab, data, hierarchy, layout, range, report

Contrast with
pivot range

data row

1 In Actuate BIRT Spreadsheet technology and BIRT technology, one row of data that a data set returns. A data set typically returns many data rows.

2 In e.Report Designer Professional, a component that contains and describes the output of a data adapter. That output can be used as a source of data for either a report or another data adapter. A data row provides data values as a list of variables. The relevant Actuate Foundation Class is AcDataRow. Figure G-38 shows data row components in a data stream.

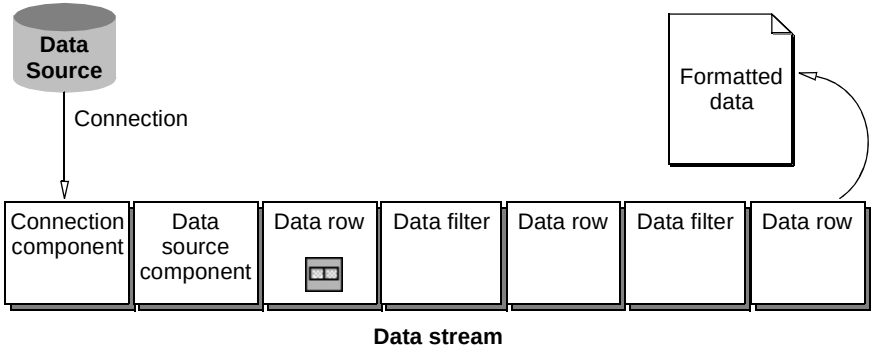


Figure G-38 Data row components in a data stream

Related terms
Actuate BIRT Spreadsheet technology, Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), Business Intelligence and Reporting Tools (BIRT) technology, component, data, data adapter, data set, data source, data stream, report, row, value, variable

Contrast with
data point, DataRow, filter

Data Row Editor

In e.Report Designer Professional, a tool used to display, modify, and sort available data rows, as shown in Figure G-39.

Related terms
Actuate e.Report Designer Professional, data row, sort

Contrast with
DataRow

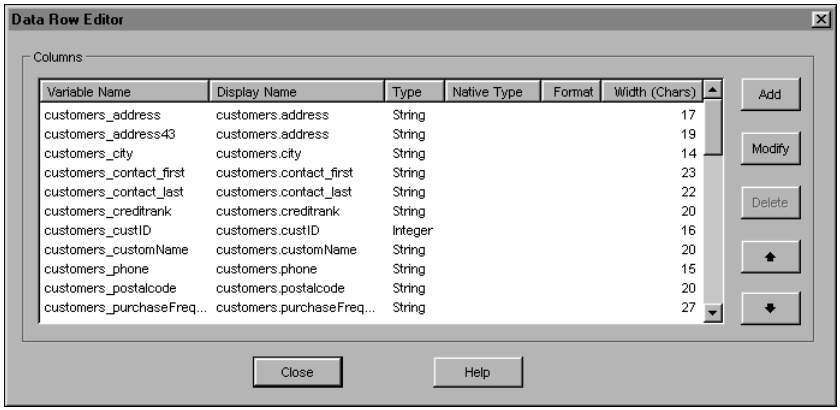


Figure G-39 Data Row Editor

data set In Actuate BIRT Spreadsheet Designer and BIRT technology, a definition of the data to retrieve or compute from a data source.

Related terms
Actuate BIRT Spreadsheet Designer, Business Intelligence and Reporting Tools (BIRT) technology, data, data source

Contrast with
data element, data point, data row

data set parameter

In BIRT technology, a parameter associated with a data set column that restricts the number of data rows that a data set supplies to a report.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, column, data row, data set, parameter, report

Contrast with
report parameter

data source

1. A relational database or other data repository. For example, an Extensible Markup Language (XML) file, a flat file, an information object, or a Java application can be a data source. A report or spreadsheet can include any of these types of data. This data source provides data rows to a report or a gadget on a dashboard through a data source component or data source element.
2. A design construct that retrieves data rows from a relational database or other data repository.

Related terms
application, dashboard, data, data row, data source component, data source element, database, Extensible Markup Language (XML), flat file, gadget design (.gadget) file, information object, Java, report, spreadsheet

Contrast with
data set

data source component

In e.Report Designer Professional, a type of data adapter that retrieves data from a data source. The relevant Actuate Foundation Class is AcDataSource.

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, data, data adapter, data source

Contrast with
data row, data set

data source element

In BIRT technology, an item containing connection information for a data source.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, connection, data source

Contrast with
data set, data source component

data source map (.sma) file

A file created using BIRT Designer Professional or BIRT Information Designer that contains a representation of a database table, a database view, or a query written in the database's native SQL (Structured Query Language). An information object developer uses a data source map to create an information object.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Information Designer, data source, database, file types, information object, query, SQL (Structured Query Language), table, view

Contrast with
data connection definition (.dcd) file

data store

A data repository. For example, a relational database management system (RDBMS), data warehouse, or other data source that contains data for persistent storage, manipulation, and retrieval by another application. Actuate BIRT iServer uses a third-party RDBMS, such as PostgreSQL or oracle, as a data store for iServer system and Encyclopedia volume metadata.

Related terms
Actuate BIRT iServer, application, data, data source, database, relational database management system (RDBMS), repository

data stream

In e.Report Designer Professional, a sequence of one or more data adapters that collects, processes, and delivers data as input to the report layout components. Figure G-40 shows data adapters in a data stream.

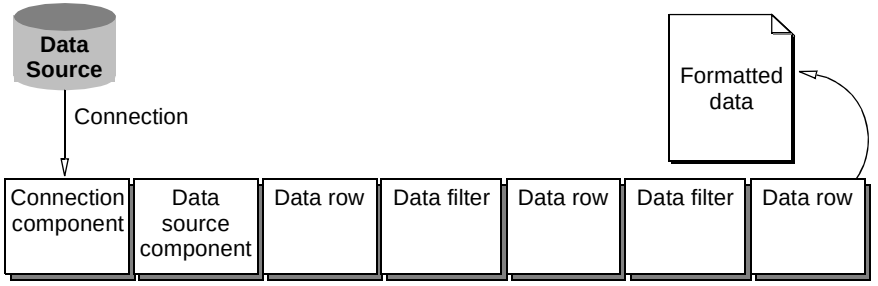


Figure G-40 Data stream

Related terms
Actuate e.Report Designer Professional, component, data, data adapter, data filter, data row, filter, layout

Contrast with
DataRow, DataStream

data type The structure of a value that constrains its characteristics, such as the information the values can hold and permitted operations. In report development, three processes use data types: accessing data, internal processing of data, and formatting output as a report.

1. Data types in Actuate Basic include Currency, Date, Double, Integer, Long, Single, String, and Variant. In e.Report Designer Professional, data source data types map to Actuate Basic data types.
2. Data types in Actuate SQL include Decimal, Double, Integer, Timestamp, and Varchar. In BIRT Information Designer, Actuate SQL data types map to data types in supported databases.
3. Internal data types used by BIRT technology include Date, Double, Integer, Varchar, Time, and Timestamp. These data types map to the Java constants declared in Java.sql.Types, such as DATE, DOUBLE, INT, and STRING. BIRT maps the data types from supported data sources to these internal data types. To format values in a report, BIRT provides date-and-time, number, and string data types.

Related terms
Actuate Basic, Actuate BIRT Information Designer, Actuate e.Report Designer Professional, Actuate SQL, Business Intelligence and Reporting Tools (BIRT), Currency data type, database, Date data type, date-and-time data type, Decimal data type, Double data type, double data type, Integer data type, Java, Long data type, number data type, Single data type, String data type, Time data type, Timestamp data type, value, Varchar data type, Variant data type

Contrast with
data abstraction, database type, semantic type

database An integrated collection of logically related records that provides data for information application platforms, such as BIRT. The database model most commonly used is the relational model. Other typical models are entity-relationship, hierarchical, network, object, and object-relational.

Related terms
application, Business Intelligence and Reporting Tools (BIRT), data

database connection

See connection.

database management system (DBMS)

An application that controls the storage, retrieval, and manipulation of data in a data store.

Related term
application, data, data store

Contrast with
relational database management system (RDBMS)

database schema

See schema.

database type

In BIRT Information Designer, the configuration information required to access, connect, map, optimize, and translate queries against a target database.

Related terms
Actuate BIRT Information Designer, database, query

Contrast with
data type

DATADESIGN

See data object design (.datadesign) file.

DataRow In e.Report Designer Professional, a component reference property that contains and describes the output of a data adapter. That output can be used as a source of data for either a data adapter or a report section. DataRow is a slot in the Report Structure window, as shown in Figure G-41. The relevant Actuate Foundation Class is AcDataRow.

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component reference property, data, data adapter, report section, Report Structure window, slot

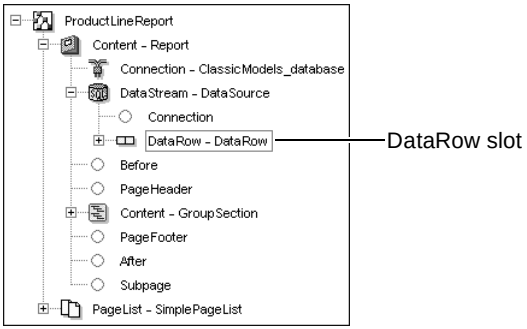


Figure G-41 DataRow slot

Contrast with

Connection, data row, Data Row Editor, DataStream

DataStream

In e.Report Designer Professional, a component reference property that identifies a sequence of one or more data adapters that collects, processes, and delivers data as input to the report layout components. DataStream is a slot in the Report Structure window, as shown in Figure G-42. The relevant Actuate Foundation Classes, such as AcSqlQuerySource and AcDataRowBuffer, derive from AcDataAdapter.

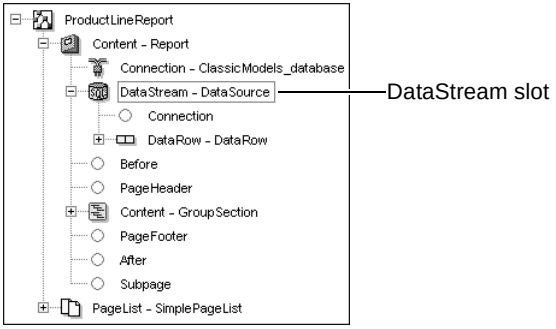


Figure G-42 DataStream slot

Related terms

Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, component reference property, data, data adapter, layout, report, Report Structure window, slot

Contrast with

Connection, DataRow

Date data type

An Actuate Basic or Java data type used for date-and-time calculations. In Actuate Basic, the Date data type stores floating point numbers that represent dates ranging from 1 January 100 to 31 December 9999 and times from 00:00:00 to

23:59:59. In Java, the base Date data type, java.util.Date, is a class that encapsulates a millisecond date value from January 1, 1970 00:00:00.000 GMT through the year 8099. This Date class provides accessor methods that support getting and setting the value.

Related terms
Actuate Basic, class, data type, Java, method, value

Contrast with
Time data type, Timestamp data type

date time control

In e.Report Designer Professional, a component that adds date-and-time data to a report. A date time control must be in a flow, frame, or page. The relevant Actuate Foundation Class is AcDateTimeControl. Figure G-43 shows a date time control in a frame in the layout editor.

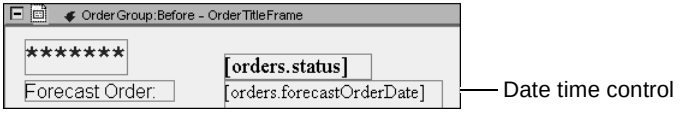


Figure G-43 Date time control placed in a frame

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, control, data, flow, frame, layout editor, page, report

Contrast with
Date data type

date-and-time data type

In BIRT technology, a data type used to display date, date-and-time, or time values. Report items that contain expressions or fields having a date-and-time data type display the values in the report document. The appearance of these values depends on locale and format settings specified by your computer and the report design.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, data type, design, expression, field, format, locale, report, report document, report item, value

Contrast with
Date data type, Time data type, Timestamp data type

DBMS (database management system)

See database management system (DBMS).

DCD See data connection definition (.dcd) file.

debug To detect, locate, and fix errors in a computer program. Typically, debugging involves executing specific portions of the program and analyzing the operation of those portions.

Decimal data type

An Actuate SQL data type that includes fixed point numbers consisting of up to 100 digits. You can specify a maximum scale and a maximum precision using the syntax (precision, scale). For example, DECIMAL (15, 4) represents decimals that can have up to 15 digits in all and up to 4 digits after the decimal point.

Related terms
Actuate SQL, data type

Contrast with
BigDecimal class, Double data type, Integer data type

declaration

The definition of a class, constant, method, or variable that specifies the name and, if appropriate, the data type.

Related terms
class, constant, data type, method, variable

Contrast with
class declaration

declarations section

That portion of Actuate Basic or Java code that contains constant, data type, and global variable declarations. In Actuate Basic, Declare...End Declare encloses the declarations section.

Related terms
Actuate Basic, constant, data type, declaration, Java, variable

defined name

In BIRT Spreadsheet Designer, a string that identifies a cell, a range of cells, a formula, or a value. A defined name can also identify a constant, a formula expression, or a parameter. BIRT Spreadsheet Designer uses some reserved defined names such as sheetname!Print_Area.

Related terms
Actuate BIRT Spreadsheet Designer, cell, constant, expression, formula, parameter, range, string, value

delete privilege

See privilege.

delimited data

In BIRT Spreadsheet Designer, text used to represent data where each line of text corresponds to a data row. The data row contains fields separated by a text character such as a comma, semicolon, space, or tab that determines column breaks within the row.

Related terms
Actuate BIRT Spreadsheet Designer, column, data, data row, field, row

demand paging

A mechanism used to transfer large files efficiently over a network. Instead of reading an entire file into memory or sending an entire file over a network, pages are sent as needed. Demand paging improves response time and optimizes resource usage.

Related term
page

Contrast with
progressive viewing

dependency

See file dependency.

deploy To bundle and distribute a software package, such as an Eclipse plug-in or a web application, to a run-time environment.

Related terms
application, Eclipse, package, plug-in, run time

derived class

See descendant class.

descendant class

A class that extends another class to provide additional functionality.

Related term
class

Contrast with
Actuate Foundation Class (AFC), ancestor class, base class, subclass, superclass

deserialize

In an object-based programming environment, the process of converting data or an object from binary form to its original form. For example, a Simple Object Access Protocol (SOAP) processor embedded in Actuate BIRT iServer System deserializes the binary form of a remote procedure call (RPC) received from a client application into an Extensible Markup Language (XML)-based SOAP message. This message requests Actuate BIRT iServer System to perform a web service.

Related terms
Actuate BIRT iServer System, application, client/server, Extensible Markup Language (XML), object, processor, remote procedure call (RPC), Simple Object Access Protocol (SOAP), web service

Contrast with
serialize

design A report specification or the act of creating a report specification. Designing a report includes selecting data, laying out the report visually, and saving the

layout in a report design file. A report developer creates and edits a report design using any of BIRT Designer Professional, Actuate BIRT Studio, e.Report Designer Professional, and BIRT Spreadsheet Designer.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Spreadsheet Designer, Actuate BIRT Studio, Actuate e.Report Designer Professional, data, layout, report

Contrast with
file types

Design Editor

In e.Report Designer Professional, a page used to specify options for the layout editor and Report Structure window. Figure G-44 shows the Design Editor page.

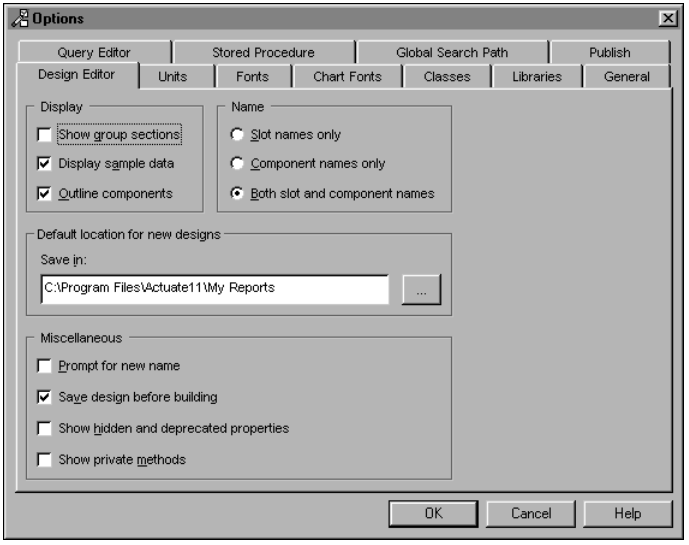


Figure G-44 Design Editor page

Related term
Actuate e.Report Designer Professional, layout editor, page, Report Structure window

design time

The period of time in which a report developer creates a report specification.

Related term
report

Contrast with
design, run time, view time

Design View

In BIRT Spreadsheet Designer, a page displaying a graphical representation of a spreadsheet report on a worksheet.

Related terms
Actuate BIRT Spreadsheet Designer, page, spreadsheet report, worksheet

Contrast with
layout editor

detail frame

In e.Report Designer Professional, a frame displayed for each data row provided by the data stream. A detail frame is in the innermost Content slot of a report or group section.

Related terms
Actuate e.Report Designer Professional, Content, data row, data stream, frame, group section, report section, slot

DHTML (Dynamic Hypertext Markup Language)

See Dynamic HyperText Markup Language (DHTML).

DHTML report

An Actuate Basic e.report in Dynamic HyperText Markup Language (DHTML) format viewed in the DHTML Viewer. DHTML reports use a combination of cascading style sheets, HyperText Markup Language (HTML), and scripts. e.reports are also available in Excel, PDF, PowerPoint, and RTF formats.

Related terms
Actuate Basic report, cascading style sheet (CSS), DHTML Viewer, Dynamic HyperText Markup Language (DHTML), format, HyperText Markup Language (HTML), report

Contrast with
XML report

DHTML Viewer

In e.Report Designer Professional, Information Console, and Management Console, a tool that supports viewing the output of an information object or a report in Dynamic HyperText Markup Language (DHTML) format, as shown in Figure G-45. The DHTML Viewer runs in a web browser.

Related terms
Actuate e.Report Designer Professional, Dynamic HyperText Markup Language (DHTML), format, Information Console, information object, Management Console, report

Contrast with
Actuate BIRT Interactive Viewer, Actuate BIRT Viewer

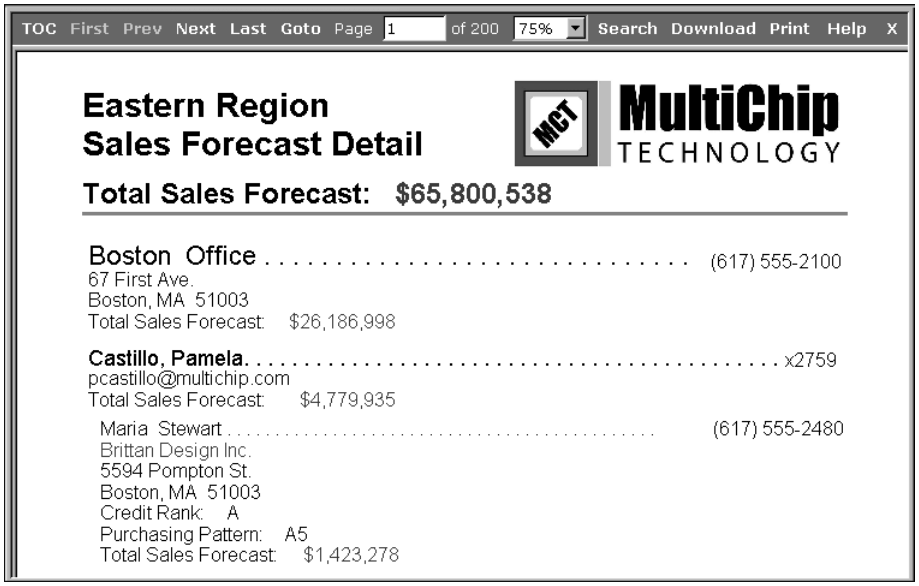


Figure G-45 DHTML Viewer

DIME See Direct Internet Message Encapsulation (DIME).

dimension

In a cube, a category containing measures. For example, a dimension, such as orders, can include average cost and total units of products. Actuate Analytics Cube Viewer, BIRT Designer Professional, Actuate BIRT Studio, Actuate e.Analysis, and gadgets on a dashboard support defining and using dimensions.

Related terms

Actuate Analytics Cube Viewer, Actuate BIRT Designer Professional, Actuate BIRT Studio, Actuate e.Analysis, category, cube, dashboard, gadget design (.gadget) file, measure

Contrast with

analytics, multidimensional data

Direct Internet Message Encapsulation (DIME)

A protocol that specifies the format for a multipart internet message body such as a Simple Object Access Protocol (SOAP) message. A DIME message defines a container consisting of a series of message parts or chunks. The DIME protocol extends the MIME protocol. Like MIME, the message is put in a flat format to transmit over a network. After an application receives the message, it must concatenate the message into a complete entity, then recast the message into a data format the application can use. DIME supports processing messages using either MIME or a reference to a Universal Resource Identifier (URI). Using a URI, an application can load a plug-in to function as a special handler for a media type.

Related terms
application, container, data, format, Multipurpose Internet Mail Extensions (MIME), plug-in, protocol, Simple Object Access Protocol (SOAP), Universal Resource Identifier (URI)

directive See Actuate Active Portal Security Extension (APSE) and web directive.

display name

An alternative name for a chart series, report parameter, table column, or user-defined Report Object Model (ROM) property. This name can contain any character, including punctuation and spaces. For example, BIRT Designer Professional displays this alternative name as a column heading in a report.

Related terms
Actuate BIRT Designer Professional, character, chart, column, property, report, report parameter, Report Object Model (ROM), series, table

Contrast with
alias

distributed Actuate iServer System

See cluster.

Distribution service

See Message Distribution service.

DLL (dynamic link library)

See dynamic link library (DLL).

document object model (DOM)

A model that defines the structure of a document such as an Extensible Markup Language (XML) or HyperText Markup Language (HTML) document. The DOM defines interfaces that dynamically create, access, and manipulate the internal structure of the document. The Uniform Resource Locator (URL) to the World Wide Web Consortium (W3C) document object model is:

`www.w3.org/DOM/`

Related terms
Extensible Markup Language (XML), HyperText Markup Language (HTML), interface, Uniform Resource Locator (URL), World Wide Web Consortium (W3C)

Contrast with
document type definition (DTD), structured content

document type definition (DTD)

A set of Extensible Markup Language (XML) elements and attributes that defines a schema describing the structure of an XML document.

Related terms
attribute, element, Extensible Markup Language (XML), schema

Contrast with
document object model (DOM), structured content

DOI See data object instance (.doi) file.

domain name

A name that defines a node on the internet. For example, Actuate Corporation's domain name is Actuate. The Uniform Resource Locator (URL) is:

```
www.actuate.com
```

Related terms
node, Uniform Resource Locator (URL)

dot notation

Actuate Basic syntax that refers to the methods and variables of an object. The dot separates the name of an object handle from the name of an instance variable or method in the referenced object, for example, customerNameLabel.Text.

Related terms
Actuate Basic, method, object, syntax, variable

Contrast with
scope resolution operator (::)

Double class

A Java class that encapsulates the primitive data type, double. The class provides accessor methods that support getting and setting the value.

Related terms
class, data type, double data type, Java, method, value

Contrast with
BigDecimal class, Float class, Integer class, number data type

Double data type

An eight-byte Actuate Basic or Actuate SQL data type that stores floating point numbers, ranging in value from -1.797693134862315E08 to -2.23E-308 for negative values and 2.23E-308 to 1.797693134862315E08 for positive values.

Related terms
Actuate Basic, Actuate SQL, data type, value

Contrast with
Double class, double data type, float data type, Integer data type, number data type, Single data type

double data type

A Java data type that stores a double-precision 64-bit IEEE 754 floating point number, from 4.9065645841246544E-324 to 1.79769313486231570E+308 in value.

Related terms
data type, Java, value

Contrast with
Double class, float data type, int data type, number data type

DOV See data object value (.dov) file.

DOX See data object executable (.dox) file

DP4 See cube profile (.dp4) file.

drawing control

In e.Report Designer Professional, a control that uses SVG code to create an arbitrary image in a report design. The relevant Actuate Foundation Class is AcDrawing. Figure G-46 shows a drawing control in the layout editor.

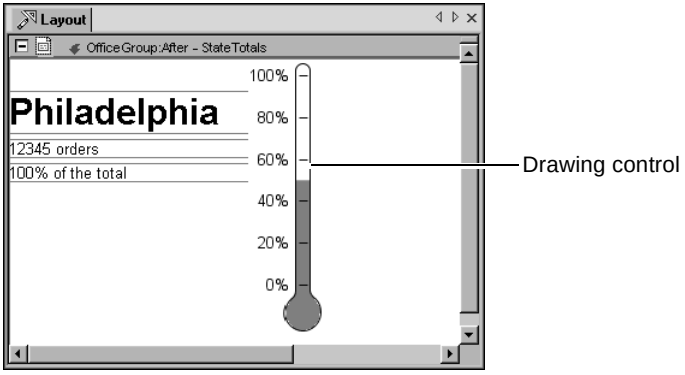


Figure G-46 Drawing control

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), control, design, image, layout editor, report

Contrast with
chart control, image control, line control, rectangle control

driver An interface that supports communication between an application and another application or a peripheral device such as a printer. For example, Actuate BIRT iServer uses drivers to communicate with third-party programs. Actuate products use Java Database Connectivity (JDBC) and open database connectivity (ODBC) drivers to communicate with databases.

Related terms
Actuate BIRT iServer, application, database, interface, Java Database Connectivity (JDBC), open database connectivity (ODBC)

Contrast with
autoarchive driver, bridge driver

DTD (document type definition)

See document type definition (DTD).

dual *y*-axis chart

A chart that uses two independent *y*-axes, as shown in Figure G-47. When one *y*-axis displays a different type of series from the other *y*-axis, the chart is called a combination chart. In e.Report Designer Professional, the relevant Actuate Foundation Class is AcChart.

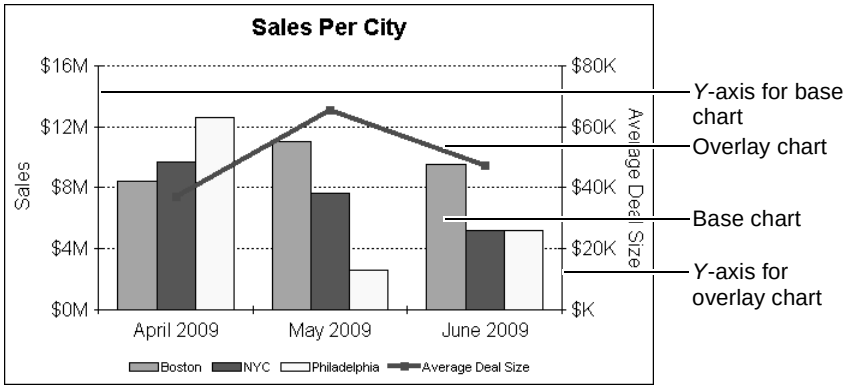


Figure G-47 Dual *y*-axis chart

Related terms

Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), base chart, chart, combination chart, series

Contrast with

study chart

dynamic hyperlink

A connection from one part of a report to another part of a different report. The dynamic hyperlink first generates a new report, then links the source report to the destination report.

Related terms

hyperlink, report

Contrast with

static hyperlink

Dynamic HyperText Markup Language (DHTML)

A HyperText Markup Language (HTML) extension providing enhanced viewing capabilities and interactivity in a web page. The Document Object Model (DOM) Group of the World Wide Web Consortium (W3C) develops DHTML standards.

Related terms

document object model (DOM), HyperText Markup Language (HTML), web page, World Wide Web Consortium (W3C)

dynamic link library (DLL)

A library of routines loaded and linked into an application at run time in the Windows environment. These routines can be called from an Actuate Basic or BIRT report. Actuate BIRT iServer System also uses DLLs for Actuate Report Server Security Extension (RSSE), drivers for third-party products, and logging.

Related terms
Actuate Basic, Actuate BIRT iServer System, Actuate Report Server Security Extension (RSSE), application, Business Intelligence and Reporting Tools (BIRT), driver, library, report, run time

Contrast with
shared library

dynamic page size

The ability to adjust page size based on the size of the content.

Related term
page

Contrast with
structured content

dynamic text control

In e.Report Designer Professional, a control that adjusts its size to display varying amounts of HyperText Markup Language (HTML), plain, or RTF text. The relevant Actuate Foundation Class is AcDynamicTextControl. Figure G-48 shows a dynamic text control in the layout editor.

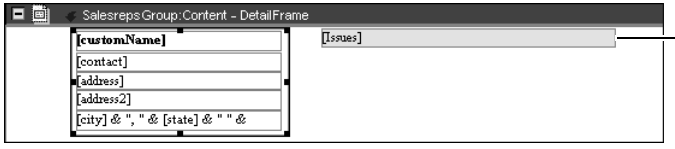


Figure G-48 Dynamic text control in the layout editor

Figure G-49 shows a dynamic text control in a generated report.

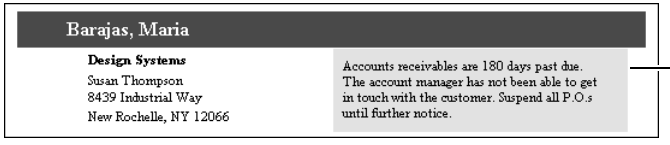


Figure G-49 A report displaying text in a dynamic text control

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), control, HyperText Markup Language (HTML), layout editor, report

Contrast with
dynamic text element, text control, text element

dynamic text element

In BIRT technology, a report item that adjusts its size to display varying amounts of HyperText Markup Language (HTML) or plain text. Figure G-50 shows a dynamic text element in a generated report.

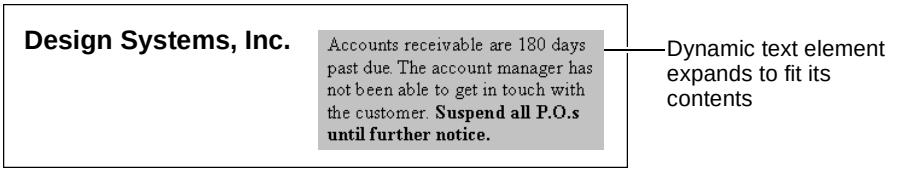


Figure G-50 A report displaying text in a dynamic text element

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, HyperText Markup Language (HTML), report, report item

Contrast with
dynamic text control, text control, text element

dynamic variable

A variable that changes during program execution. The program requests the memory allocation for a dynamic variable at run time.

Related terms
run time, variable

e.Analysis option

See Actuate e.Analysis option.

EasyScript

See Actuate EasyScript.

Eclipse

An open-source development platform, written in Java. The Eclipse platform consists of an extensible plug-in framework, run-time environments, and tools.

Related terms
Eclipse platform, framework, Java, plug-in, run time

Eclipse launcher

A tool that supports testing an Eclipse project without the need to package the project as a JAR file. For example, the Eclipse Plug-in Development Environment provides a launcher to test new plug-ins.

Related terms
Eclipse, Eclipse Plug-in Development Environment (PDE), Eclipse project, Java archive (.jar) file, plug-in

Eclipse Modeling Framework (EMF)

A Java framework and code generation facility that uses a structured model to build tools and other applications. EMF uses Extensible Markup Language (XML) schemas to generate the EMF model of a plug-in. For example, in BIRT technology, a chart type uses EMF to represent the chart structure and properties.

Related terms
application, Business Intelligence and Reporting Tools (BIRT) technology, chart, Eclipse, Extensible Markup Language (XML), framework, Java, plug-in, property, schema

Eclipse perspective

A visual container that includes a set of views and editors. Eclipse Workbench provides a series of perspectives, such as the BIRT Report Designer, Java Development Environment, and Plug-in Development Environment (PDE). A developer can switch between perspectives to work on different tasks.
Figure G-51 shows the Eclipse Java perspective. Actuate BIRT Designer Professional provides the IO Design perspective to develop information objects and the Report Design perspective.

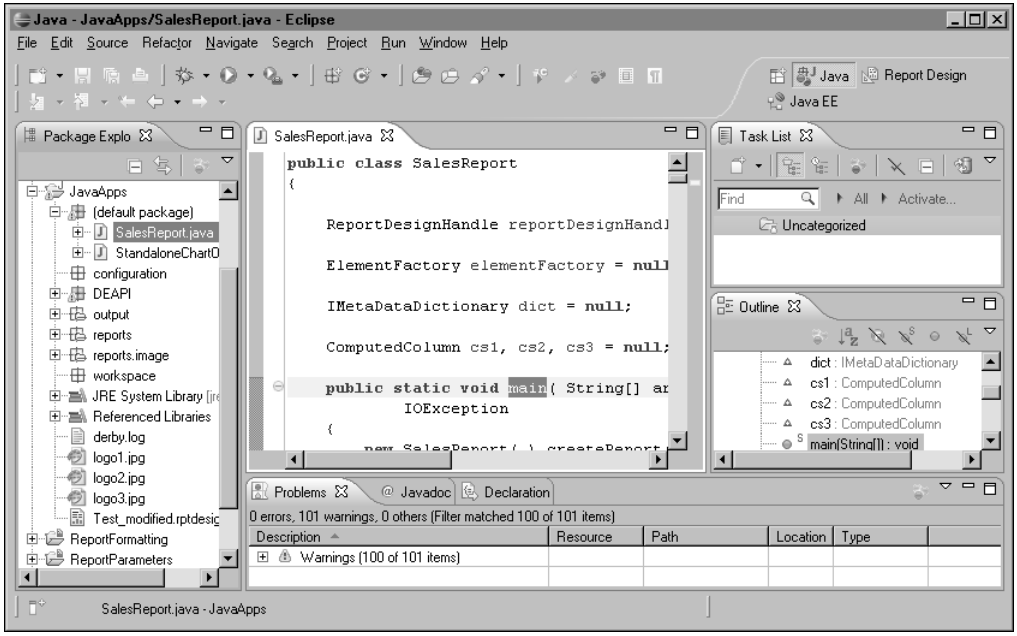


Figure G-51 Eclipse Java perspective

Related terms
Eclipse, Eclipse Plug-in Development Environment (PDE), Eclipse view, Eclipse Workbench, information object, Java

Contrast with
Eclipse platform, view

Eclipse platform

The framework of the Eclipse application development system. The design-time environment provides user interfaces for specifying application components. The run-time environment provides an extensible system of plug-ins that load and run as needed.

Related terms
application, design time, Eclipse, framework, interface, plug-in, run time

Contrast with
Eclipse perspective, Eclipse view, Eclipse Workbench, extension

Eclipse Plug-in Development Environment (PDE)

An integrated design tool for creating, developing, testing, debugging, and deploying a plug-in. The Eclipse PDE provides wizards, editors, views, and launchers to support plug-in development. The Eclipse PDE supports design and run-time environments.

Related terms
debug, deploy, design, design time, Eclipse, Eclipse launcher, Eclipse view, plug-in, run time

Contrast with
Eclipse Modeling Framework (EMF), Eclipse platform

Eclipse project

A top-level directory within an Eclipse workspace. An Eclipse project contains folders and files used for builds, resource organization, sharing, and version management.

Related terms
Eclipse, Eclipse workspace, resource

Eclipse view

A dockable window on the Eclipse Workbench. An Eclipse view can be an editor, the Navigator, a report item palette, a graphical report designer, or any other functional component that an Eclipse perspective provides. A view can have its own menus and toolbars. Multiple views can be visible at one time.

Related terms
design, Eclipse, Eclipse perspective, Eclipse Workbench, Navigator, Palette, report, report item

Eclipse Workbench

A graphical development environment containing perspectives used to create, edit, and view a project, such as the report design perspective.

Related terms
design, Eclipse, Eclipse perspective, Eclipse project, report

Contrast with
Eclipse platform

Eclipse workspace

A file system directory containing one or more projects used to manage resources in Eclipse Workbench.

Related terms
Eclipse project, Eclipse Workbench, resource

EJB

See Enterprise JavaBean (EJB).

element

1. A single item of data.
2. A logical structure in an Extensible Markup Language (XML) or HyperText Markup Language (HTML) document specifying a type and optionally one or more attributes and a value. For example, the following code specifies a ConnectionParam element that has three attributes, Name, Display, and Type, and no value:

```
<ConnectionParam Name="username"
   Display="User name"
   Type="string"
/>
```

Related terms
attribute, data, Extensible Markup Language (XML), HyperText Markup Language (HTML), value

Contrast with
report item, Report Object Model (ROM) element

ellipsis

A button that opens tools that you use to perform tasks, such as navigating to a file or specifying localized text.

embed

1. To insert an object in a report. In e.Report Designer Professional, for example, a report developer can embed an image in a report object design (.rod) file.
2. To encapsulate information in a report. For example, for each font used in a report object design (.rod) file, e.Report Designer Professional embeds information about that font in the generated report object executable (.rox) file.

Related terms
Actuate e.Report Designer Professional, design, font, image, object, report, report object design (.rod) file, report object executable (.rox) file

Contrast with
encapsulation

empty

In Actuate Basic, a value that indicates a variable has not been initialized. Empty equals zero in a numeric context, zero-length in a string context, or null in the case of an object handle.

Related terms
Actuate Basic, null, object, string, value, variable

encapsulation

A technique that bundles related functions and subroutines. Encapsulation compartmentalizes the structure and behavior of a class so that parts of an object-oriented system do not depend upon or affect each other's internal details.

Related terms
class, function, object, object-oriented programming, subroutine

Encyclopedia process

See server processes.

Encyclopedia service

See server service.

Encyclopedia volume

An Actuate BIRT iServer System repository for managing data and metadata. Encyclopedia volume data includes objects such as designs, documents, and information objects, stored as files in partitions. Metadata consists of information about Encyclopedia volume channels, data objects, groups, roles, users, and other configuration elements, stored in a third-party relational database management system (RDBMS) such as PostgreSQL or Oracle.

Related terms
Actuate BIRT iServer System, channel, data, design, group, information object, relational database management system (RDBMS), repository, role, security role

Contrast with
Encyclopedia volume primary partition, Encyclopedia volume secondary partition

Encyclopedia volume primary partition

An Actuate BIRT iServer partition that contains Encyclopedia volume data, such as designs, documents, and information objects, stored as files. In an out-of-the-box (OOTB) PostgreSQL relational database management system (RDBMS) installation, the primary partition also contains PostgreSQL system data files.

Related terms
Actuate BIRT iServer, data, design, Encyclopedia volume, information object, partition, relational database management system (RDBMS)

Contrast with
Encyclopedia volume secondary partition

Encyclopedia volume secondary partition

An Actuate BIRT iServer partition that contains Encyclopedia volume data, such as designs, documents, and information objects, stored as files. A secondary partition in an out-of-the-box (OOTB) PostgreSQL relational database

management system (RDBMS) installation does not contain PostgreSQL system data files.

Related terms
Actuate BIRT iServer, design, Encyclopedia volume, information object, partition, relational database management system (RDBMS)

Contrast with
Encyclopedia volume primary partition

enterprise An integrated set of computers running on multiple platforms in a network environment. Typical software products in an enterprise environment include applications, browsers, databases, and servers that support an information warehouse.

Related terms
application, database, platform

Contrast with
enterprise reporting

enterprise archive (.ear) file

A compressed file format used to deploy Java EE web applications.

Related terms
application, Java Platform Enterprise Edition (Java EE)

Contrast with
Java archive (.jar) file, web archive (.war) file

Enterprise JavaBean (EJB)

A server component used to encapsulate application logic. A client application makes a remote procedure call (RPC) to the server to run an EJB. Enterprise JavaBeans (EJB) are a standard-based framework designed to provide persistence, security, and transactional integrity to enterprise applications.

Related terms
application, client/server, enterprise, framework, JavaBean, remote procedure call (RPC)

enterprise reporting

A system that delivers a high volume of complex structured documents that include data from a variety of data sources.

Related terms
data, data source

Contrast with
enterprise, structured content

EPR See external procedure object (.epr) file

e.report A structured document viewable in a web browser that follows a set of rules to organize, present, and summarize data. A sample Actuate Basic e.report appears in Figure G-52.

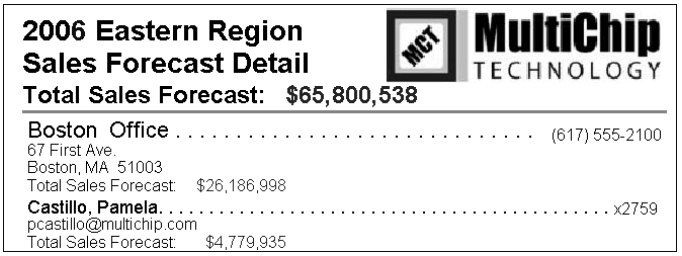


Figure G-52 A sample e.report

Related terms
Actuate Basic, Actuate Basic report, data

Contrast with
report, structured content

e.Report Designer Professional

See Actuate e.Report Designer Professional.

e.Report option

See Actuate e.Reports option.

e.reporting

An Actuate Basic technology that draws data from one or more data sources and presents it as structured content.

Related terms
Actuate Basic technology, data, data source, structured content

error log A set of files that record information about Actuate BIRT iServer System errors. Default error logging implements the following four levels: Information, Warning, Severe, Fatal.

Related term
Actuate BIRT iServer System

Contrast with
usage log

escape character (\)

1. A character that precedes a multibyte character or non-printing ASCII character in a search expression. For example, \t represents the Tab character.
2. A character indicating when to take a special character literally, as in a Query by Example (QBE) expression. For example, \, represents a comma character.

Related terms
character, Query by Example (QBE), search expression

e.Spreadsheet

See spreadsheet report.

e.Spreadsheet design file

See spreadsheet object design (.sod) file.

e.Spreadsheet Engine

See Actuate BIRT Spreadsheet Engine.

e.Spreadsheet executable file

See spreadsheet object executable (.sox) file.

e.Spreadsheet option

See Actuate BIRT Spreadsheet option.

e.Spreadsheet report

See spreadsheet report.

e.Spreadsheet technology

See Actuate BIRT Spreadsheet technology.

event

An action external to a program that requires handling, such as a mouse click. An event handler in the program collects information about the event and responds.

Related term
event handler

Contrast with
cascading events, event listener

event-based job scheduling

An Actuate BIRT iServer System mechanism that supports scheduling a job based on various types of events. The types of events include the appearance of a file or folder, the completion of a job, or the occurrence of a custom event.

Related terms
Actuate BIRT iServer System, event, job

Contrast with
event handler, event listener, file types

event handler

A function or method that executes when an event occurs. Report items, data sets, and data sources have event handlers for which a developer can provide code.

Related terms
data set, data source, event, function, method, report, report item

Contrast with
event listener

event listener

An interface that detects when a particular event occurs and calls a function or method to respond to the event.

Related terms
event, function, interface, method

Contrast with
event handler

Excel converter

A module that converts a report or report data to a Microsoft Excel spreadsheet (.xls) file.

Related terms
converter, data, report

exception An abnormal situation that a program encounters. The program handles some exceptions and returns a message to the user or application running the program. In other cases, the program cannot handle the exception, and the program ends.

Related term
application

executable file

A file that generates report or Actuate Query output when run in an Encyclopedia volume, a report designer, or web application. For example, a BIRT report executable (.rptdesign) file generates BIRT report output.

Related terms
Actuate Query, application, Business Intelligence and Reporting Tools (BIRT), Encyclopedia volume, file types, report, report design (.rptdesign) file

execute privilege

See privilege.

expiration A channel property that specifies how long a completion notice remains in the channel before it is deleted.

Related terms
channel, completion notice, property

expression

A combination of constants, functions, literal values, names of fields, and operators that evaluate to a single value.

Related terms
constant, expression builder, field, function, operator, value

Contrast with
aggregate expression, formula, regular expression

expression builder

A tool for selecting data fields, functions, and operators to write expressions. Figure G-53 shows the expression builder in BIRT Designer Professional.

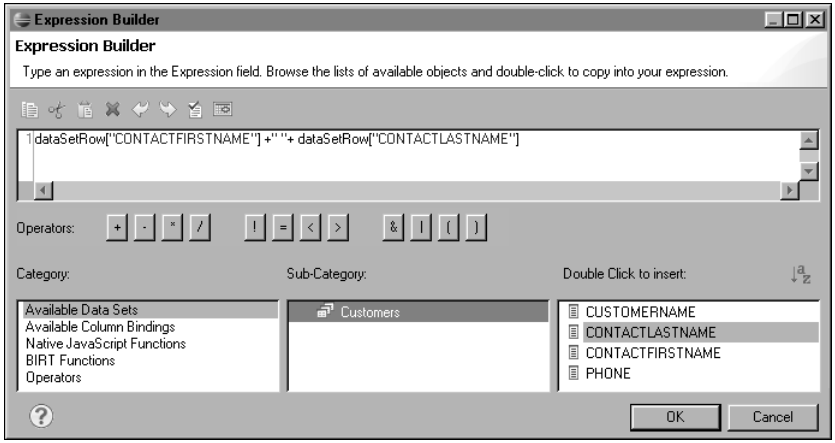


Figure G-53 Expression builder

Related terms

Actuate BIRT Designer Professional, data, expression, field, function, operator

Extensible Markup Language (XML)

A markup language that supports the interchange of data among applications and data sources. Using XML, a wide variety of applications, databases, and legacy systems can exchange information. The World Wide Web Consortium (W3C) specifies the standard for XML schema and documents. XML documents must be well-formed.

Related terms

application, data, data source, database, schema, well-formed XML, World Wide Web Consortium (W3C)

Contrast with

Dynamic HyperText Markup Language (DHTML), HyperText Markup Language (HTML)

Extensible Stylesheet Language (XSL)

A language defined in a World Wide Web Consortium (W3C) specification that expresses how to format, lay out, and paginate data in a presentation medium such as a window in a web browser or a page in the printed document. XSL uses two processes: transformation and formatting. Using two processes supports differentiating between the structure of the source tree and the structure of the result tree. XSL typically derives from Extensible Markup Language (XML).

Related terms
data, Extensible Markup Language (XML), format, World Wide Web Consortium (W3C)

Contrast with
Dynamic HyperText Markup Language (DHTML), Extensible Stylesheet Language Transformations (XSLT), HyperText Markup Language (HTML), layout

Extensible Stylesheet Language Transformations (XSLT)

A transformation language used to manipulate and format Extensible Markup Language (XML) documents and turn them into other HyperText Markup Language (HTML), text-based document formats, or XML. XSLT processors use a style sheet that specifies the rules to apply when reading XSLT.

Related terms
Extensible Markup Language (XML), format, HyperText Markup Language (HTML)

Contrast with
Dynamic HyperText Markup Language (DHTML), Extensible Stylesheet Language (XSL)

extension A module that adds functionality to an application. For example, Actuate BIRT technology provides of a set of extensions, called plug-ins, which extend BIRT report development functionality.

Related terms
Actuate BIRT technology, application, Business Intelligence and Reporting Tools (BIRT), plug-in, report

Contrast with
extension point

extension point

A defined place in an application where a developer adds custom functionality. The application programming interfaces (API) in BIRT support adding custom functionality to the BIRT framework. In the Eclipse Plug-in Development Environment (PDE), a developer views the extension points in the PDE Manifest Editor to guide and control plug-in development tasks.

Related terms
application, application programming interface (API), Business Intelligence and Reporting Tools (BIRT), Eclipse Plug-in Development Environment (PDE), extension, framework, plug-in

external cell reference

In BIRT Spreadsheet Designer, a four-part cell reference having a different workbook name from the workbook that uses the reference.

Related terms
Actuate BIRT Spreadsheet Designer, cell reference, workbook

external procedure object (.epr) file

A file created using BIRT Information Designer that represents a stored procedure or open data access (ODA) data source query.

Related terms
Actuate BIRT Information Designer, data source, open data access (ODA), query, stored procedure

Contrast with
file types

factory A process that generates a report document from a report executable file.

Related terms
executable file, report document, server processes

Contrast with
file types, server service

Factory process

See server processes.

Factory service

See server service.

failover A mechanism by which one machine or process in a cluster assumes the workload of another machine or process that stops working.

Related terms
cluster, process

Contrast with
administrative failover

fetch To retrieve the next data row in a result set. For example, in e.Report Designer Professional, a data adapter, such as a data source or data filter, fetches data rows. Figure G-54 shows data adapters and data rows in a data stream.

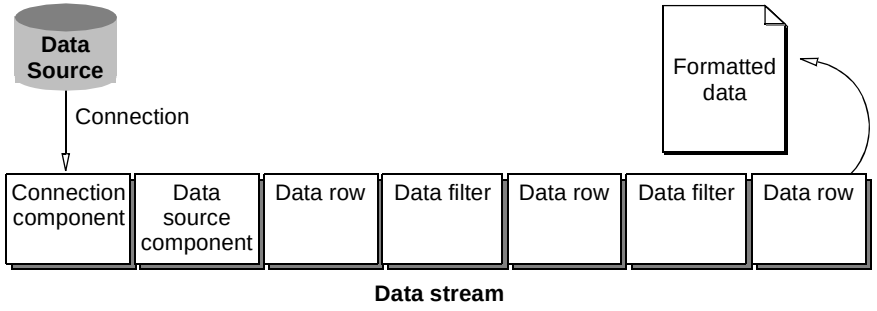


Figure G-54 Fetching data rows

Related terms
Actuate e.Report Designer Professional, component, connection, data, data adapter, data filter, data row, data source, data stream, result set

field The smallest identifiable part of a database table structure. In a relational database, a field is also called a column. Figure G-55 shows a field in a table.

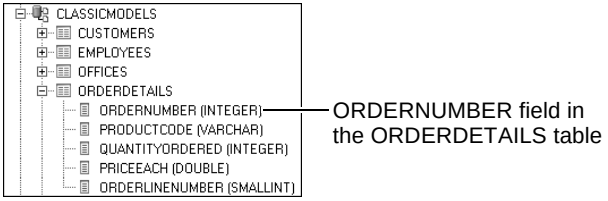


Figure G-55 Fields and tables displayed in a query editor

Related terms
column, database, query editor, table

Field List See Fields.

field variable

In Java, a member variable having public visibility.

Related terms
Java, member, variable

Fields In e.Report Designer Professional, a tool that shows all the fields in the data row returned by a data stream. Figure G-56 shows Fields.

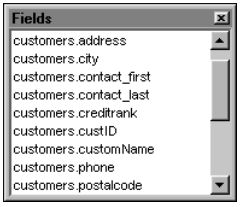


Figure G-56 Fields tool

Related terms
Actuate e.Report Designer Professional, data row, data stream, field

file dependency

A relationship between files in which one file requires another file to compile or run. For example, in the Encyclopedia volume, both the report object instance (.roi) file and report object executable (.rox) file must be present to view an e.report.

Related terms
Actuate Basic report, compile, Encyclopedia volume, report, report object executable (.rox) file, report object instance (.roi) file

Contrast with
file types

file types Table G-1 lists the file types that appear by default on File Types in Management Console.

Table G-1 File types

Management Console display name	File extension	Icon
Actuate Analytics Cube	CB4	
Actuate Analytics Cube Profile	DP4	
Actuate Analytics Cube Report	CVW	
Actuate Analytics Parameters for Analysis Services	ODP	
Actuate Basic Information Object	DOX	
Actuate Basic Source File	BAS	
Actuate BIRT Cube View	CUBEVIEW	
Actuate BIRT Dashboard	DASHBOARD	
Actuate BIRT Data Object Design	DATADESIGN	
Actuate BIRT Data Object Store	DATA	
Actuate BIRT Design	RPTDESIGN	
Actuate BIRT Document	RPTDOCUMENT	
Actuate BIRT Gadget	GADGET	
Actuate BIRT Library	RPTLIBRARY	
Actuate BIRT Spreadsheet Design	SOD	
Actuate BIRT Spreadsheet Document	SOI	
Actuate BIRT Spreadsheet Executable	SOX	

(continues)

Table G-1 File types (continued)

Management Console display name	File extension	Icon
Actuate BIRT Template	RPTTEMPLATE	
Actuate Design Library	ROL	
Actuate External Procedure Object	EPR	
Actuate Information Object	IOB	
Actuate Information Object Cache Definition	ICD	
Actuate Parameter Template	ROP	
Actuate Query Definition	DOV	
Actuate Query Output	DOI	
Actuate Report Design	ROD	
Actuate Report Document	ROI	
Actuate Report Executable	ROX	
Actuate Report Parameter Values	ROV	
Actuate Search Definition	ROS	
Adobe PDF File	PDF	
Comma Separated Values File	CSV	
Data Connection Definition	DCD	
Data Source Map	SMA	
HTML document	HTM	
HTML document	HTML	
IBM Advanced Function Printing Document	AFP	

Table G-1 File types (continued)

Management Console display name	File extension	Icon
Microsoft Excel Spreadsheet	XLS	
Microsoft Excel Spreadsheet (2007)	XLSX	
Microsoft PowerPoint Presentation	PPT	
Microsoft PowerPoint Presentation (2007)	PPTX	
Microsoft Word Document	DOC	
Microsoft Word Document (2007)	DOCX	
Pipe Separated Values File	PSV	
PostScript Document	PS	
Rich Text Format	RTF	
Tab Separated Values File	TSV	
Text File	TXT	

Related terms
Actuate Analytics parameters (.odp) file, Actuate information object (.iob) file, Basic source (.bas) file, cube (.cb4) file, cube profile (.dp4) file, cube report (.cvw) file, cube view (.cubeview) file, dashboard design (.dashboard) file, data connection definition (.dcd) file, data object design (.datadesign) file, data object instance (.doi) file, data object store (.data) file, data object value (.dov) file, data source map (.sma) file, external procedure object (.epr) file, gadget design (.gadget) file, information object, information object cache definition (.icd) file, library (.rptlibrary) file, report design (.rptdesign) file, report document (.rptdocument) file, report object design (.rod) file, report object executable (.rox) file, report object instance (.roi) file, report object library (.rol) file, report object parameter (.rop) file, report object value (.rov) file, report template (.rpttemplate) file, search definition (.ros) file, spreadsheet object design (.sod) file, spreadsheet object executable (.sox) file, spreadsheet object instance (.soi) file

filter

A mechanism that enables a user to reduce the number of items in a list. For example, in Information Console and Management Console, filter options appear above the list of contents, as shown in Figure G-57.

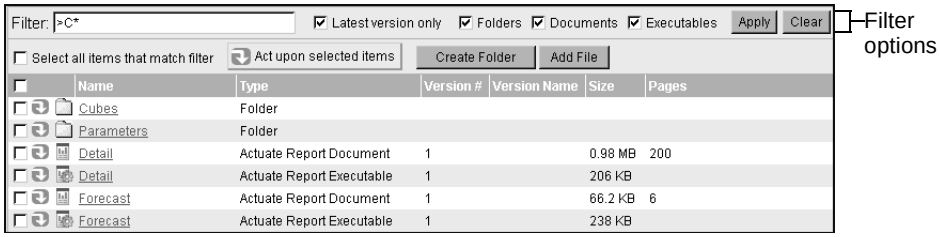


Figure G-57 Filter options on Management Console

In e.Report Designer Professional, filter options appear on Methods, Project, Properties, and Variables as shown in Figure G-58.

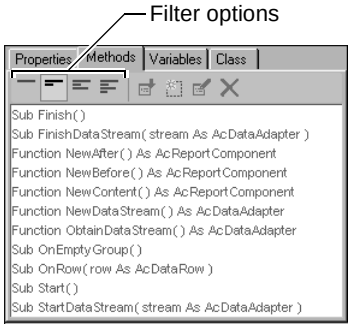


Figure G-58 Filter options on the Methods page

Related terms

Actuate e.Report Designer Professional, Business Intelligence and Reporting Tools (BIRT) technology, Information Console, Management Console, Methods page, Project browser, Properties page, Variables page

Contrast with

data filter, sort filter

flash chart element

A report item that uses flash technology provided by Infosoft Fusion Charts® to enhance a chart. For example, a flash chart can have animation. A flash chart provides chart types parallel to those that the chart element provides. Adobe Flash Reader is required to view flash charts. Figure G-59 shows a flash chart.

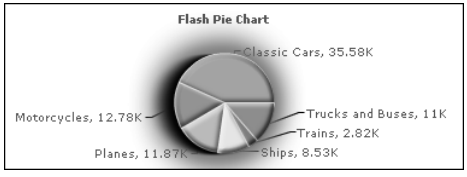


Figure G-59 Flash chart

Related terms

chart, chart element, report item

Contrast with
flash gadget element, flash object element

flash gadget element

A report item that provides chart-like visualizations using flash technology provided by Infosoft Gadgets. A flash gadget typically displays a single value or a set of independent values, such as a meter or a gauge. Gadgets differ from charts in that they can represent less complex sets of data. Adobe Flash Reader is required to view flash gadgets. Figure G-60 shows a flash gadget.

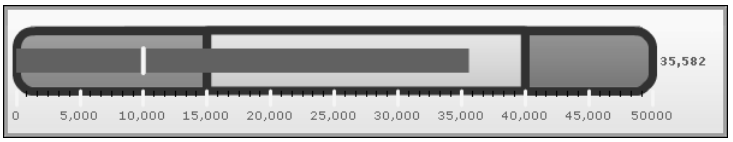


Figure G-60 Flash gadget

Related terms
chart, data, report item, value

Contrast with
flash chart element, flash object element, gadget design (.gadget) file

flash object element

A report item based on a subset of the InfoSoft Flash Files®, Fusion Charts®, and Gadgets. For example, a flash object element can display a chart, map, power chart, or widget.

Related terms
chart, report item

Contrast with
flash chart element, flash gadget element, Flash Object Library

Flash Object Library

A collection of InfoSoft Flash Files® in Actuate BIRT that provides charts, maps, power charts, and widgets as flash object elements.

Related terms
Actuate BIRT technology, chart, flash object element

Contrast with
flash chart element, flash gadget element

flat file

A file that contains data in the form of text.

Related term
data

Contrast with
data source

Float class

A Java class that encapsulates the primitive data type, float. The class provides accessor methods that support getting and setting the value.

Related terms
class, data type, float data type, Java, value

Contrast with
BigDecimal class, Double class, Integer class

float data type

A Java data type that stores a single-precision 32-bit IEEE 754 floating point number, ranging in value from 1.40129846432481707E-45 to 3.40282346638528860E+38.

Related terms
data type, Java, value

Contrast with
double data type, Float class, int data type, number data type

floating point control

A component that adds data of Double data type to a report. In e.Report Designer Professional, a floating point control must be in a flow, frame, or page. The relevant Actuate Foundation Class is AcDoubleControl. Figure G-61 shows a floating point control in the layout editor and in the Report Structure window.

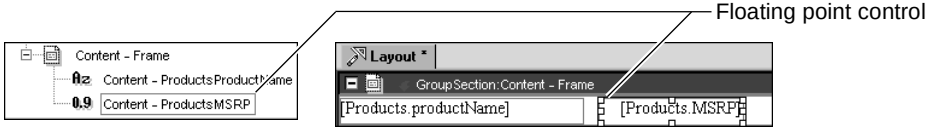


Figure G-61 Floating point control in the report structure and layout editor

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, control, data, Double data type, flow, frame, layout editor, page, report, Report Structure window

Contrast with
currency control, integer control

flow

In e.Report Designer Professional, a component that defines a printable area of a page. Flows determine the columns and margins of a page. The relevant Actuate Foundation Class is AcFlow. Figure G-62 shows three flows on a page.

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), column, component, layout editor, page, Report Structure window

Contrast with
frame

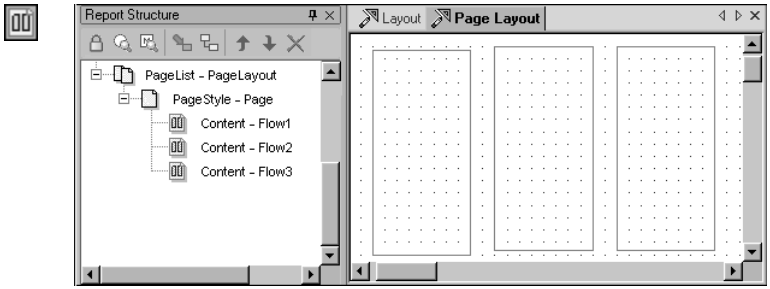


Figure G-62 Multiple flows in the report structure and layout editor

font A family of characters of a given style. A font contains information that specifies posture, typeface, type size, and weight.

Related term
character

footer A logically separate unit of information that appears after the main body of content. For example, a page footer typically contains a page number. A group footer aggregates group data.

Related terms
data, group, page

Contrast with
header

format

1. A specification that describes layout and properties of rich information, such as HyperText Markup Language (HTML), PDF, PostScript, PowerPoint, RTF, or spreadsheet.
2. A set of standard options with which to display and print currency values, dates, numbers, strings, and times. For example, the Actuate Basic Format function provides predefined formats and supports user-defined formats.

Related terms
Actuate Basic, data, HyperText Markup Language (HTML), layout, property, string, value

Contrast with
format toolbar, locale map, style

format toolbar

A toolbar used to change text properties. The properties available on the format toolbar include alignment, font, font color, font size, and font style. Figure G-63 shows a typical format toolbar.

Figure G-63 Format toolbar

Related terms
font, property, toolbar

formula An expression that performs a calculation in a worksheet cell. Formulas can contain cell references, defined names, functions, mathematical operators, spreadsheet-specific operators, and values.

Related terms
cell, cell reference, defined name, expression, function, operator, value, worksheet

fragment See plug-in fragment.

frame A rectangular container for graphics and text. For example, in e.Report Designer Professional, a frame in the layout editor contains image and text controls, as shown in Figure G-64.

Figure G-64 Frame

Related terms
Actuate e.Report Designer Professional, container, control, image control, layout editor, text control

Contrast with
HTML frame

framework

A set of interrelated classes that provide an architecture for building an application, such as the Actuate Foundation Classes or the BIRT chart engine.

Related terms
Actuate Foundation Class (AFC), application, Business Intelligence and Reporting Tools (BIRT) Chart Engine, class

function

1. A code module containing a set of instructions that operate as a subroutine in a program. To invoke the function, include its name as an instruction anywhere in the program. BIRT technology provides JavaScript and other functions to support building expressions. An Actuate Basic function returns a value.
2. A keyword used in a BIRT Spreadsheet Designer worksheet to perform a specific calculation or evaluation in a formula. For example, sum, rand, and count are spreadsheet function keywords.

Related terms
Actuate Basic, Actuate BIRT Spreadsheet Designer, Business Intelligence and Reporting Tools (BIRT), expression, formula, JavaScript, keyword, subroutine, value, worksheet

Contrast with
method, report script function

GADGET See gadget design (.gadget) file.

gadget design (.gadget) file

An Extensible Markup Language (XML) file created in BIRT 360 that supports visualization of data or provides data selection on a BIRT dashboard. The two supported types of gadget files are:

- An Actuate gadget, using the Actuate specification, is rendered using Actuate JSAPI, accesses Actuate BIRT data objects and files, and is either embedded in the dashboard page or shared as a separate file. An Actuate gadget can render web content such as a BIRT report, a BIRT Reportlet, an external web page, or HyperText Markup Language (HTML) code.
- A Google® gadget, using the Google specification, is rendered in an iframe, is stored externally, and is not embedded in the dashboard design file. A Google gadget can communicate with other gadgets on the same BIRT dashboard.

Related terms
Actuate BIRT 360, Actuate BIRT technology, Actuate JavaScript API (JSAPI), dashboard, dashboard design (.dashboard) file, data, data object design (.datadesign) file, Extensible Markup Language (XML), file types, HyperText Markup Language (HTML), report, Reportlet, web page

global name space

In e.Report Designer Professional, a list of names of items available throughout a report design. The list can include names of classes, functions, and variables.

Related terms
Actuate e.Report Designer Professional, class, function, report object design, variable

Contrast with
scope resolution operator (::)

global variable

A variable available at all levels in an application. A global variable stays in memory in the scope of all executing subroutines until the application terminates.

Related terms
application, scope, subroutine, variable

glyph

1. An image that is the visual representation of a character.
2. A specific letter form from a specific font. For example, an uppercase C in Palatino font is a glyph.

Related terms
character, font

grandchild class

See descendant class.

grandparent class

See ancestor class.

grant privilege

See privilege.

grid

1 A vertical and horizontal pattern that assists a user in positioning design components accurately. A grid is an option in e.Report Designer Professional.

2 In an Actuate Basic report or spreadsheet report, demarcation lines that extend from axis tick marks of a chart. The grid defines categories, dates, times, or other values.

Related terms
Actuate Basic report, Actuate e.Report Designer Professional, category, chart, component, design, spreadsheet report, tick, value

grid element

In BIRT technology, a report item that contains and arranges other report elements in a static row and column format. A grid element aligns cells horizontally and vertically. Figure G-65 shows a report title section containing an image and two text elements in a grid element. This grid element has one row and two columns.

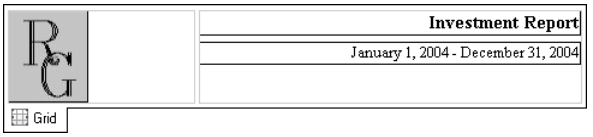


Figure G-65 Grid element

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, cell, column, image element, report, report item, row, text element

Contrast with
list element, table element

group

A set of data rows organized by one or more common values. For example, in a sales report, a group consists of all the orders placed by a single customer.

Related terms
data row, report, value

Contrast with
group key, grouped report

Group By page

In e.Report Designer Professional, a page in the query editor that displays definitions of aggregate rows, as shown in Figure G-66.

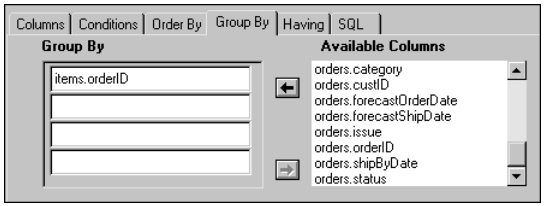


Figure G-66 Group By page

Related terms
Actuate e.Report Designer Professional, aggregate row, group, page, query editor, row

group footer

See footer.

group header

See header.

group key An expression that groups and sorts data. For example, a report developer can group and sort customers by credit rank.

Related terms
data, expression, group, sort

group section

In e.Report Designer Professional, a component that organizes rows using a common field. For example, customers can be grouped by state. The relevant Actuate Foundation Class is AcGroupSection. Figure G-67 shows group sections in the Report Structure window.

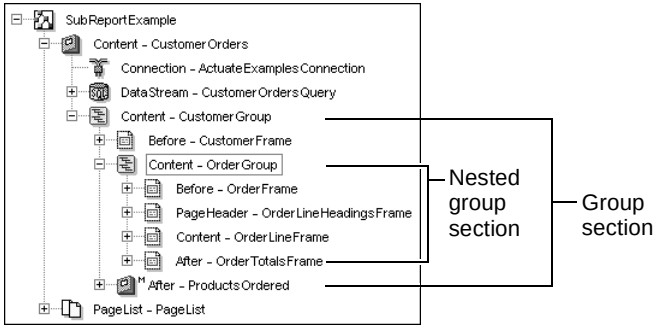


Figure G-67 Group sections

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, field, group, Report Structure window, row, section

grouped report

A report that organizes data by common values. Figure G-68 shows a grouped report organized by customer name.

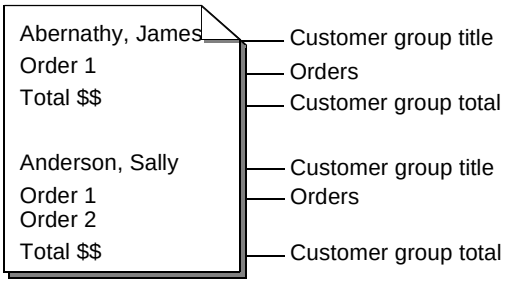


Figure G-68 Grouped report

Related terms
data, report, value

Contrast with
group

Having page

A page in the e.Report Designer Professional query editor that displays selection criteria for aggregate rows, as shown in Figure G-69.

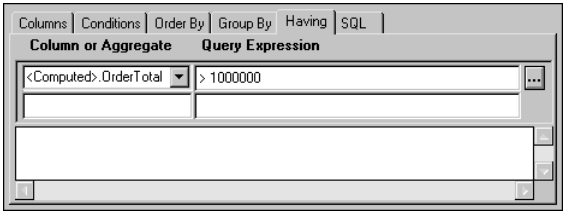


Figure G-69 Having page

Related terms
Actuate e.Report Designer Professional, aggregate row, page, query editor

header

A logically separate unit of information that appears before the main body of content. For example, a page header typically contains a document title. A group header typically contains key information about the group. For example, a group header in a sales report can contain the country name.

Related terms
group, page

Contrast with
footer

headline A component of the job completion notice. A headline is a document description that appears below the job name on a channel contents page in Information Console and Management Console.

Related terms
channel, completion notice, Information Console, job, job name, Management Console, page

help See balloon help or online help.

hexadecimal number

A number in base 16. A hexadecimal number uses the digits 0 through 9 and the letters A through F. Each place represents a power of 16. By comparison, base 10 numbers use the digits 0 through 9. Each place represents a power of 10.

Contrast with
character set

hierarchy **1** Any tree structure that has a root and branches that do not converge. Figure G-70 shows an example hierarchy of classes.

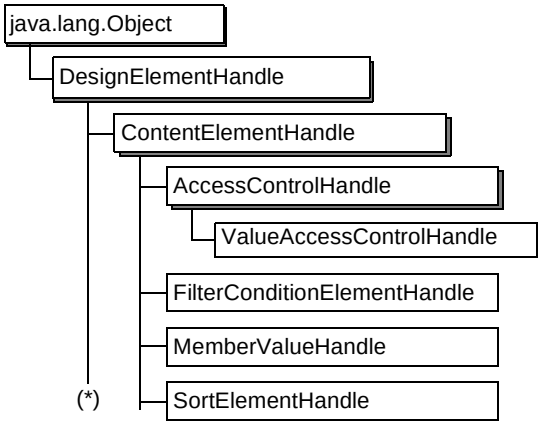


Figure G-70 Hierarchy of classes

2 A structure that organizes the members of a category in Actuate Analytics Cube Viewer and Actuate e.Analysis, as shown in Figure G-71.

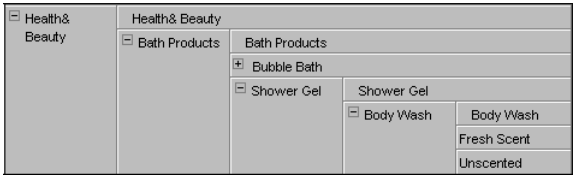


Figure G-71 Hierarchy of categories

Related terms
Actuate Analytics Cube Viewer, Actuate e.Analysis option, category, class

Contrast with
analytics

home folder

A path and folder name that is the default user working environment in an Encyclopedia volume or file system repository.

Related terms
Encyclopedia volume, repository

HTML

See HyperText Markup Language (HTML).

HTML button

A report item that executes JavaScript code in an Actuate BIRT report. When the user clicks the button, the browser executes the code.

Related terms
Actuate BIRT report document (.rptdocument) file, HyperText Markup Language (HTML), JavaScript, report, report item

Contrast with
browser scripting control

HTML element

See element.

HTML frame

An independently scrollable part of a web page dividing the page into horizontal or vertical sections. Figure G-72 shows structured content in an HTML frame.

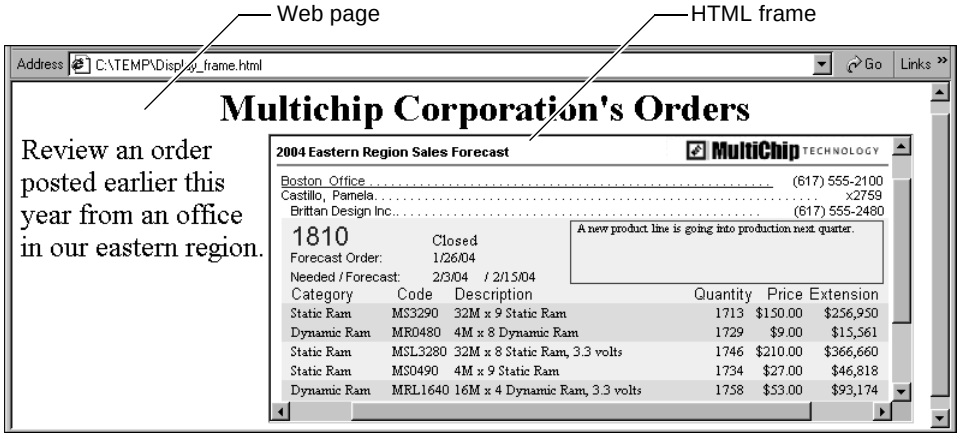


Figure G-72 HTML frame in a web page

Related terms
HyperText Markup Language (HTML), structured content, web page

Contrast with
frame

HTTP See HyperText Transfer Protocol (HTTP).

hyperchart

A chart that supports linking to report data or other related information. For example, a pie chart segment representing the sales amount for the Boston office links to the report data for that office.

Related terms
chart, data, report

Contrast with
hyperlink

hyperlink

An active connection in a online document that supports access to related information in the same document or an external source. The document can be an e-mail, PDF, report, spreadsheet, or web page. A change from the standard cursor shape to a cursor shaped like a hand indicates a hyperlink.

Related terms
report, web page

Contrast with
dynamic hyperlink, hyperchart

HyperText Markup Language (HTML)

A standards-based specification that determines the layout of a web page. HTML is the markup language that a web browser parses to display a web page. The World Wide Web Consortium (W3C) specifies the standard for HTML.

Related terms
layout, web page, World Wide Web Consortium (W3C)

Contrast with
Dynamic HyperText Markup Language (DHTML), Extensible Markup Language (XML)

HyperText Markup Language page

See web page.

HyperText Transfer Protocol (HTTP)

A standard that supports request-response communication between two applications on a network. The World Wide Web Consortium (W3C) specifies the standard for HTTP.

Related terms
application, request, response, World Wide Web Consortium (W3C)

Contrast with
protocol

IBM Advanced Function Printing (.afp) file

A file that specifies content and placement of information on a printed page. Actuate BIRT Designer Professional and BIRT iServer support exporting BIRT report content to this format.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT iServer, report

Contrast with
file types

ICD

See information object cache definition (.icd) file.

identifier

A name assigned to an item in a program, for example a class, function, or variable.

Related terms
class, function, variable

image

A graphic that appears in a report or a spreadsheet. BIRT technology supports .gif, .jpg, and .png file types. Spreadsheet reports support .bmp, .gif, .jpg, and .png. Actuate Basic reports support .bmp, .jpg, .pcx, .tga, .tif and .tiff files and offer limited support for .gif images.

Related terms
Actuate Basic report, Business Intelligence and Reporting Tools (BIRT) technology, report, spreadsheet report

Contrast with
image control, image element

image control

A control that adds a graphic image to a report design in e.Report Designer Professional. The relevant Actuate Foundation Class is AcImageControl. Figure G-73 shows an image control in the layout editor.

Figure G-73 Image control in the layout editor

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), control, design, image, layout editor, report

Contrast with
chart control, drawing control, rectangle control

image element

A report item that adds an image to a report design in BIRT technology.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, design, image, report, report item

IME file

See Input Method Editor (IME) file.

implicit declaration

A variable declaration in an assignment statement rather than in the Dim, Global, or Static statements. Visual Basic supports implicit declaration; Actuate Basic does not.

Related terms
Actuate Basic, declaration, statement, variable

Information Console

An Actuate BIRT iServer component that supports running and viewing reports and spreadsheets stored in an Encyclopedia volume.

Related terms
Actuate BIRT iServer, Encyclopedia volume, report, spreadsheet

Information Delivery API

See Actuate Information Delivery API (IDAPI).

information object

A named SQL (Structured Query Language) query that simplifies access to one or more heterogeneous data sources. An information object retrieves data using database tables and views, stored procedures, and ODA data source queries as well as other information objects. A data modeler writes the query in Actuate SQL. The integration service generates a native query for each data source and retrieves the data. A report developer or business user who uses the information object as a data source in BIRT Designer Professional or BIRT Studio does not require detailed knowledge of the underlying data sources.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Studio, Actuate SQL, data, database, open data access (ODA), query, server service, SQL (Structured Query Language), stored procedure, table, view

Contrast with
Actuate BIRT Information Designer, Actuate information object (.iob) file

information object cache definition (.icd) file

A file that specifies the properties of a table in the cache database. This database table caches the data rows returned for an information object.

Related terms
data row, database, information object, property, table

Contrast with
file types

inheritance

A mechanism whereby one class of objects can be defined as a special case of a more general class and includes the method and variable definitions of the general class, known as a base or superclass. The superclass serves as the baseline for the appearance and behavior of the descendant class, which is also known as a subclass. In the subclass, the appearance, behavior, and structure can be customized without affecting the superclass. Figure G-74 shows an example of inheritance.

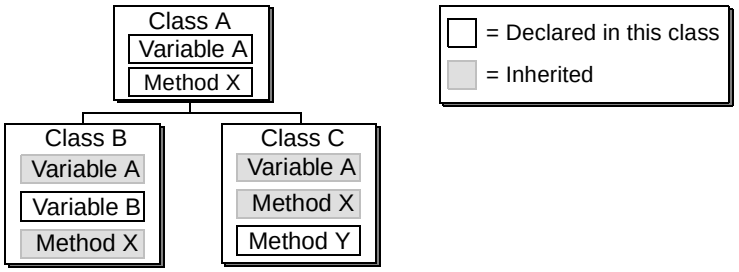


Figure G-74 Inheritance

Related terms
base class, class, descendant class, method, object, subclass, superclass, variable

Contrast with
abstract base class, hierarchy, object-oriented programming

inner join

A type of join that returns records from two tables using specified values in the join fields. For example, joining customer and order tables where the customer IDs are equal produces a result set that excludes records for customers who have no orders.

Related terms
field, join, result set, table, value

Contrast with
outer join

Input Method Editor (IME) file

A Java class file that sets the keyboard mapping for a character set. BIRT Designer Professional and BIRT Spreadsheet Designer use this mechanism to support non-ASCII characters. Place the IME file in the jre\lib\ext directory to make it accessible to the Java environment.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Spreadsheet Designer, character, character set, class, Java

input source

See data source.

instance

See object.

instance variable

A variable that other instances of a class do not share. The run-time system creates a new copy of an instance variable each time the system instantiates the class. An instance variable can contain a different value in each instance of a class, for example, the customerID variable in a Customer class. In Actuate Basic, all instance variables defined for a class are publicly visible. Private instance variables are not visible in subclasses.

Related terms
class, run time, subclass, value, variable

instantiation

In object-oriented programming, the process of creating an object in a run-time environment based on the class definition.

Related terms
class, object, object-oriented programming, run time

int data type

A 32-bit Java data type that stores whole numbers, ranging in value from -2,147,483,648 to 2,147,483,647.

Related terms
data type, Java, value

Contrast with
double data type, float data type, Integer class

Integer class

A Java class that encapsulates the primitive data type, int. This class provides accessor methods that support getting and setting the value.

Related terms
class, data type, int data type, Java, method, value

Contrast with
BigDecimal class, Double class, Float class

integer control

In e.Report Designer Professional, a component that adds Integer data to a report. An integer control must be in a flow, frame, or page. The relevant Actuate Foundation Class is AcIntegerControl. Figure G-75 shows an integer control in a frame in the layout editor and in the Report Structure window.

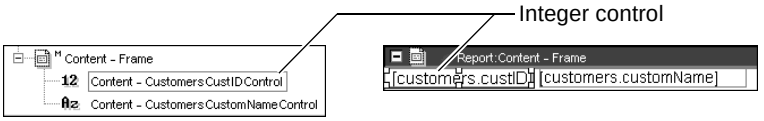


Figure G-75 Integer control in the report structure and layout editor

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, control, flow, frame, Integer data type, page, report, Report Structure window

Contrast with
floating point control

Integer data type

1. An Actuate Basic or Actuate SQL data type that stores whole numbers, ranging in value from -2,147,483,648 to 2,147,483,647.
2. An Extensible Markup Language (XML) data type derived from the decimal data type by fixing the value of scale to be 0.

Related terms
Actuate Basic, Actuate SQL, data type, Extensible Markup Language (XML), value

Contrast with
Currency data type, Decimal data type, Double data type, Long data type, Single data type

Integration process

See server processes.

Integration service

See server service.

Interactive Viewer

See Actuate BIRT Interactive Viewer.

interface A software component that supports access to computer resources. For example, in Java, a set of methods that provides a mechanism for classes to communicate in order to execute particular actions.

Related terms
class, Java, method

internationalization

The process of designing an application to work correctly in multiple locales.

Related terms
application, locale

Contrast with
localization

IOB See Actuate information object (.iob) file

IP address

The unique node identifier on a TCP/IP network.

Related term
node

iPortal See Information Console.

iPortal Security Extension (IPSE)

An application programming interface (API) that supports the use of third-party security tools. The API supports customization of user authentication. This API is part of Actuate iServer Integration Technology.

Related terms
Actuate iServer Integration Technology, application programming interface (API), authentication, library

Contrast with
Actuate Report Server Security Extension (RSSE), Information Console

iServer See Actuate BIRT iServer.

J2EE See Java Platform Enterprise Edition (Java EE).

J2SE See Java Platform Standard Edition (Java SE).

JAR See Java archive (.jar) file.

Java An object-oriented programming language used to develop Actuate BIRT technology and extend BIRT technology.

Related terms
Actuate BIRT technology, Business Intelligence and Reporting Tools (BIRT) technology, object-oriented programming

Contrast with
JavaScript

Java 2 Enterprise Edition (J2EE)

See Java Platform Enterprise Edition (Java EE).

Java 2 Runtime Standard Edition (J2SE)

See Java Platform Standard Edition (Java SE).

Java archive (.jar) file

A compressed file format used to deploy Java applications.

Related terms
application, Java

Contrast with
web archive (.war) file

Java Database Connectivity (JDBC)

A standard protocol that Java uses to access databases in a platform-independent manner. For example, BIRT Spreadsheet Engine uses JDBC to connect to databases.

Related terms
Actuate BIRT Spreadsheet Engine, database, database connection, Java, protocol

Contrast with
data element, database management system (DBMS), open database connectivity (ODBC), schema

Java Development Kit (JDK)

A software development kit that defines the application programming interfaces (API) used to build Java applications. As well as software tools, the kit contains documentation and examples.

Related terms
application, application programming interface (API), Java

Contrast with
Java Platform Enterprise Edition (Java EE), Java Platform Standard Edition (Java SE), JavaServer Page (JSP)

Java factory process

See server processes.

Java Naming and Directory Interface (JNDI)

An application programming interface (API) that provides unified access to named components and directory services in an enterprise system.

Related terms
application programming interface (API), enterprise

Java Native Interface (JNI)

A standard protocol that supports interaction between C or C++ applications and Java applications. Using JNI supports use of Java classes, exceptions, methods, and objects by C or C++ applications.

Related terms
application, class, Java, method, object, protocol

Java Object Interface (JOI)

A protocol that supports access to a Java object using Actuate Basic.

Related terms
Actuate Basic, Java, object, protocol

Java Platform Enterprise Edition (Java EE)

A platform-independent development environment that includes application programming interfaces (API), such as Java Database Connectivity (JDBC), Remote Method Invocation (RMI), and web services. A programmer uses Java EE to develop a highly scalable, fault-tolerant, web-based application.

Related terms
application, application programming interface (API), Java Database Connectivity (JDBC)

Contrast with
Java Development Kit (JDK), Java Platform Standard Edition (Java SE), Java Virtual Machine (JVM)

Java Platform Standard Edition (Java SE)

A smaller-scale, platform-independent development environment defining the Java programming language and application programming interfaces (API) supporting interaction with file systems, networks, and graphical interfaces. A programmer uses Java SE to develop an application to run on a virtual machine.

Related terms
application, application programming interface (API), Java

Contrast with
Java Development Kit (JDK), Java Platform Enterprise Edition (Java EE), Java Virtual Machine (JVM)

Java Specification Request (JSR) 168

An international standard that supports interoperability among portals and portlets. This specification defines deployment packaging, portlet requests and responses, preferences, security, and user information. Any portal server supporting this standard can run JSR-168-conformant portlets, such as Information Console portlets.

Related terms
Information Console, portal, portlet, request, response

Java view process

See server processes.

Java Virtual Machine (JVM)

The Java SDK interpreter that converts Java bytecode into machine language for execution in a specified software and hardware configuration.

Related terms
Java, SDK (Software Development Kit)

JavaBean A reusable, serializable, standards-based component that encapsulates application logic.

Related terms
application, encapsulation

Contrast with
Enterprise JavaBean (EJB)

JavaScript

An interpreted, platform-independent, scripting language used to embed additional processing in a web page or server. For example, BIRT uses JavaScript to support aggregate expressions and event handling.

Related terms
aggregate expression, Business Intelligence and Reporting Tools (BIRT), event handler, web page, web server

Contrast with
Java

JavaServer Page (JSP)

A standard Java extension that supports the generation of dynamic web pages. A JavaServer Page combines HyperText Markup Language (HTML) and JSP tags in one document. A servlet container interprets a JSP tag as a call to a Java class. The servlet container compiles the Java classes to generate a web page.

Related terms
class, container, extension, HyperText Markup Language (HTML), Java, servlet, tag, web page

JDBC See Java Database Connectivity (JDBC).

JDK See Java Development Kit (JDK).

JNDI See Java Naming and Directory Interface (JNDI).

JNI See Java Native Interface (JNI).

job In Actuate BIRT iServer System, a request from a user to generate or print a query or report.

Related terms
Actuate BIRT iServer System, query, report, request

Contrast with
completed job, running job, scheduled job

job name A name for a run-and-save job or a schedule to run a report, print a report, convert the format of a report, or run a query.

Related terms
format, job, query, report, run, run-and-save job

Contrast with
request

job schedule

A schedule to run a report. Actuate BIRT iServer System supports running jobs at one or more specified times or intervals.

Related terms
Actuate BIRT iServer System, job, report, run

Contrast with
completed job, pending job, scheduled job

join

A SQL (Structured Query Language) query operation that combines records from two tables and returns them in a result set based on the values in the join fields. Without additional qualification, join usually refers to the join in which field values are equal. For example, customer and order tables are joined on a common field such as customer ID. The result set contains combined customer and order records in which the customer IDs are equal. For example, Figure G-76 shows joins in the query editor in e.Report Designer Professional.

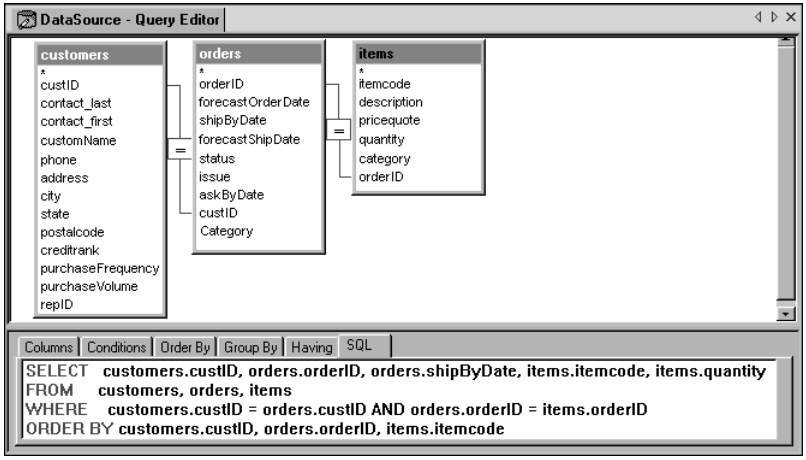


Figure G-76 Joins between customers, orders, and items tables

Related terms
field, query, query editor, result set, SQL (Structured Query Language), table, value

Contrast with
inner join, join condition, outer join, SQL SELECT statement

join condition

A condition that specifies a match in the values of related fields in two tables. Typically, the values are equal. For example, if two tables have a field called customer ID, a join condition exists where the customer ID value in one table equals the customer ID value in the second table.

Related terms
field, join, table, value

joint data set

In BIRT technology, a data set that combines data from two or more data sets.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, data, data set

JSAPI (Actuate JavaScript API)

See Actuate JavaScript API (JSAPI).

JSP

See JavaServer Page (JSP).

JSR 168

See Java Specification Request (JSR) 168.

JVM

See Java Virtual Machine (JVM).

keyword

A reserved word that is recognized as part of a programming language. For example, If, Then, and Loop are Actuate Basic keywords.

Related term
Actuate Basic

label control

A component that adds static text to an Actuate Basic report design. For example, a label control can be a heading above a column of data. A label control must be in a flow, frame, or page. The relevant Actuate Foundation Class is AcLabelControl. Figure G-77 shows label controls used as column headings placed in a frame in the layout editor.

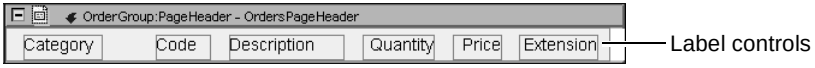


Figure G-77 Label controls in a frame

Related terms
Actuate Basic technology, Actuate Foundation Class (AFC), column, component, control, data, design, flow, frame, layout editor, page, report

Contrast with
label element, text control

label element

In BIRT technology, a report item that displays a short piece of static text in a report. Figure G-78 shows label elements used as column headings in a table header row.

Figure G-78 Label elements in a table header row

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, column, header, report item, row, table

Contrast with
data element, label control, text element

layout

The designed appearance of a report. Designing a report entails arranging controls or report items on a page so that a report user can analyze the information easily. A report displays information in a combination of charts, footers, headers, paragraphs, subreports, and tabular lists. Figure G-79 shows a report layout.

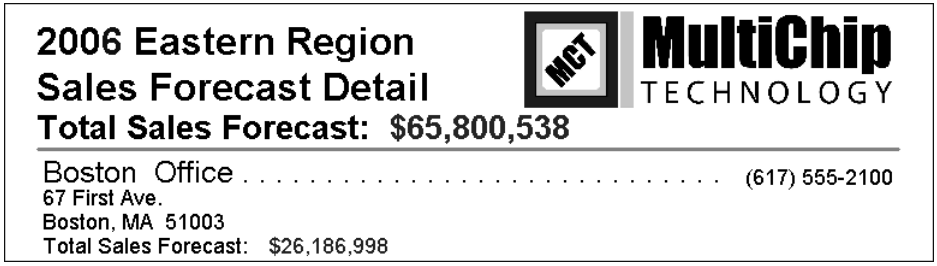


Figure G-79 Report layout

Related terms
chart, control, footer, header, page, report, report item, subreport

layout editor

A tool in a report designer in which a report developer arranges, formats, and sizes controls or report items. For example, in e.Report Designer Professional, the layout editor looks like the one shown in Figure G-80.

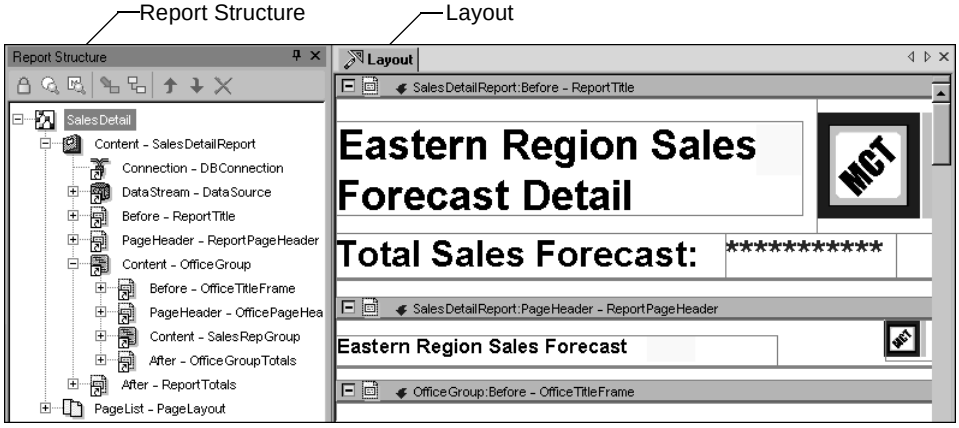


Figure G-80 Layout editor

Related terms
Actuate e.Report Designer Professional, control, design, format, report, report item

Contrast with
report editor

Layout window

See layout editor.

lazy load The capability in a run-time environment to load a code segment to memory. By lazily loading a code segment, the run-time environment minimizes start-up time and conserves memory resources. For example, BIRT Report Engine builds a registry at startup that contains the list of available plug-ins, then loads a plug-in only if the processing requires it.

Related terms
Business Intelligence and Reporting Tools (BIRT) Report Engine, plug-in, run time

LDAP See Lightweight Directory Access Protocol (LDAP).

left outer join

See outer join.

level-break listing

See grouped report.

level-break section

See group section.

libraries view

See libraries viewer.

libraries viewer

A tool that lists the components contained in a library. In e.Report Designer Professional, the libraries viewer looks like the one shown in Figure G-81.

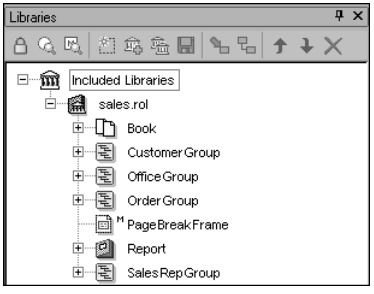


Figure G-81 Libraries viewer

Related terms
Actuate e.Report Designer Professional, component, library

Libraries window

See libraries viewer.

library

1. A file used when creating or running a program. For example, Windows library files are dynamic link libraries. UNIX library files are shared libraries.
2. In e.Report Designer Professional, a file that contains published components or Actuate Basic functions or global variables.
3. In BIRT technology, a collection of reusable and shareable report elements. A library can contain data sets, data sources, embedded images, JavaScript code, styles, and visual report items. A report developer uses a report designer to develop a library and to retrieve report elements from a library for use in a report design.

Related terms
Actuate Basic, Actuate e.Report Designer Professional, Business Intelligence and Reporting Tools (BIRT) technology, component, data set, data source, design, dynamic link library (DLL), function, image, JavaScript, publish, report element, report item, style, variable

Contrast with
component library, file types

library (.rptlibrary) file

In BIRT technology, an Extensible Markup Language (XML) file that contains reusable and shareable report elements. A report developer uses a report design tool to create a library file directly or from a report design (.rptdesign) file.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, design, Extensible Markup Language (XML), library, report design (.rptdesign) file, report element

Contrast with
Actuate BIRT library (.rptlibrary) file, file types

library file

See library (.rptlibrary) file or report object library (.rol) file.

Library Organizer

In e.Report Designer Professional, a tool that a report developer uses to include or remove a report object library (.rol) file or an Actuate Basic source (.bas) file from a report design, and to create a new library. Figure G-82 shows Library Organizer.

Related terms
Actuate e.Report Designer Professional, Basic source (.bas) file, design, library, report, report object library (.rol) file

Contrast with
file types

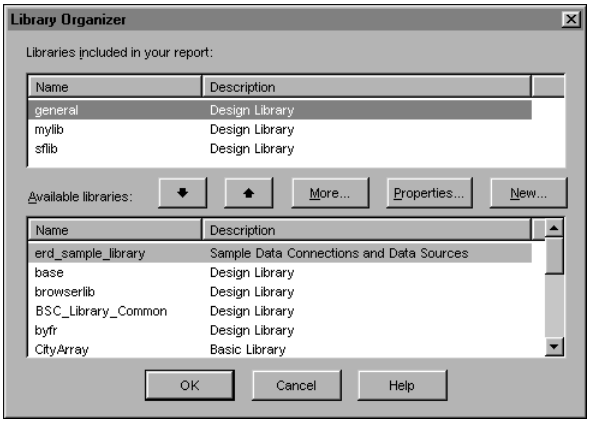


Figure G-82 Library files displayed in Library Organizer

Lightweight Directory Access Protocol (LDAP)

A software protocol that enables location of resources on a network.

Related term
protocol

line control

1 In e.Report Designer Professional, a component that draws a line in a report design. Line controls are contained in a flow, frame, or page. The relevant Actuate Foundation Class is AcLineControl.

2 In BIRT Spreadsheet Designer, a component that draws a line in a spreadsheet report design.

Related terms
Actuate BIRT Spreadsheet Designer, Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, design, flow, frame, page, report, report object design, spreadsheet report

link

See hyperlink.

list element

In BIRT technology, a report item that iterates through the data rows in a data set. The list element contains and displays other report items in a variety of layouts.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, data row, data set, layout, report item

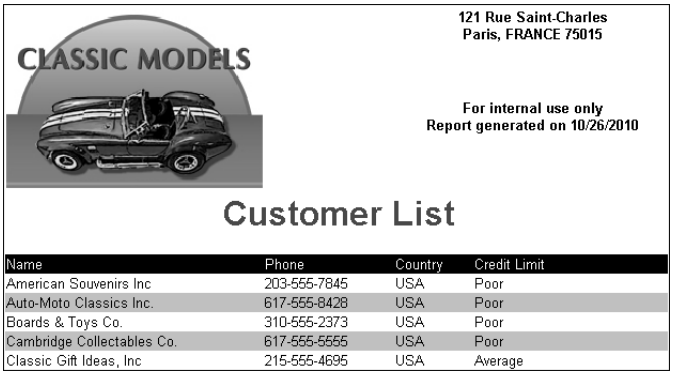
Contrast with
grid element, table element

listener

See event listener.

listing report

A report that provides a simple view of data. Typically, a listing report displays a single line for each data row. Figure G-83 shows a listing report.



Name	Phone	Country	Credit Limit
American Souvenirs Inc	203-555-7845	USA	Poor
Auto-Moto Classics Inc.	617-555-8428	USA	Poor
Boards & Toys Co.	310-555-2373	USA	Poor
Cambridge Collectables Co.	617-555-5555	USA	Poor
Classic Gift Ideas, Inc	215-555-4695	USA	Average

Figure G-83 Listing report

Related terms
data, data row, report

local variable

A variable that is available only at the current level in an application. A local variable stays in memory in the scope of an executing procedure until the procedure terminates. When the procedure finishes, the run-time system destroys the variable and returns the memory to the system.

Related terms
application, procedure, run time, scope, variable

locale

A location and the currency format, date format, language, sorting sequence, time format, and other characteristics associated with that location. The location is not always identical to the country. There can be multiple languages and locales within one country. For example, China has two locales: Beijing and Hong Kong. Canada has two language-based locales: French and English.

Related term
format

Contrast with
locale map, localization

locale map

For Actuate Basic reports, an Extensible Markup Language (XML) file that specifies the currency, date, number, and time formats for supported locales. For Configuration Console, Information Console and Management Console, an XML file that specifies the date, number, and time formats for supported locales. For example, some of the supported locales include Arabic (Bahrain), Chinese (Hong

Kong SAR), Chinese (PRC), Chinese (Taiwan), French (France), German (Germany), Hebrew, Japanese, Korean, Spanish (Spain), and Thai.

Related terms
Actuate Basic report, Configuration Console, Extensible Markup Language (XML), Information Console, locale, Management Console

localization

The process of translating database content, printed documents, and software programs into another language. Report developers localize static text in a report so that the report displays text in another language that is appropriate to the locale configured on the user's machine.

Related terms
database, locale, report

Contrast with
internationalization

Long data type

1. An Actuate Basic data type that stores 4-byte integers, ranging in value from -2,147,483,648 to 2,147,483,647.
2. An Extensible Markup Language (XML) data type having a range from -9,223,372,036,854,775,808 to 9,223,372,036,854,775,807.

Related terms
Actuate Basic, data type, Extensible Markup Language (XML), range, value

Contrast with
Double data type, Integer data type

lookahead aggregate

An expression requiring two passes through the data rows in a data source to calculate a value. For example, to calculate the percentage of a total sales amount that each product category represents requires one pass to calculate the total sales amount for all product categories. A second pass calculates the total sales amount for each product category then compares that value to the total for all categories to compute a percentage value.

Related terms
data row, data source, expression, value

Contrast with
running aggregate

Macro page

In BIRT Spreadsheet Designer, a page used to add or modify macros in a report.

Related terms
Actuate BIRT Spreadsheet Designer, page, report

Management Console

A set of web pages that provide volume management functions, such as creating channels, roles, security, and users for Encyclopedia volumes.

Related terms
channel, Encyclopedia volume, security role, web page

Contrast with
Configuration Console, Information Console

mailing label report

A report that formats name and address information to be printed on address forms such as Avery® labels.

Related term
report

Contrast with
multicolumn report

manifest A text file in a Java archive (.jar) file that describes the contents of the archive.

Related term
Java archive (.jar) file

map See data source map (.sma) file or locale map.

mashup A web application that combines data and functionality from multiple sources into a single presentation. For example, the Google Maps® mashup combines maps and directions to assist a user in locating and traveling to a destination.

Related term
application, data

Contrast with
portal

master page

In BIRT technology, a predefined layout that specifies a consistent appearance for all pages of a report. A master page typically includes standard headers and footers that display information such as a copyright statement, a date, or page numbers. The master page can contain report elements in the header and footer areas only, as shown in Figure G-84.

The master page's header and footer content appears on every page of the report in paginated formats, as shown in Figure G-85.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, footer, header, layout, report, report element

Contrast with
template

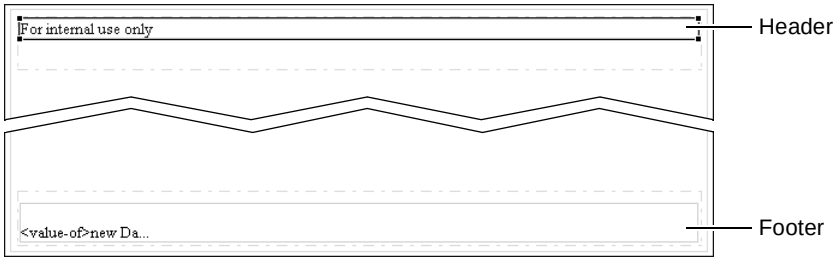


Figure G-84 Master page layout

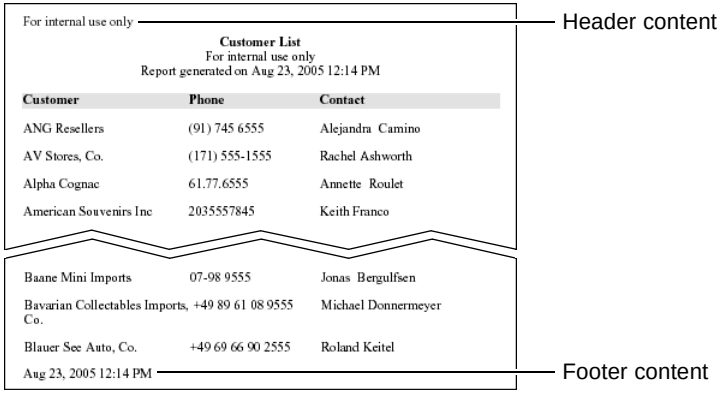


Figure G-85 Master page header and footer in report

matrix See cross tab.

measure

1 In BIRT technology, in a cube, aggregated values, such as average cost or total units of products.

2 Numeric data extracted from the source data in a cube. Actuate Analytics Cube Viewer, Actuate BIRT Designer Professional, Actuate BIRT Studio, Actuate e.Analysis, and gadgets on a dashboard support defining and using dimensions.

3 In BIRT Perfomance Scorecard, a performance component that collects quantifiable data about a function or process.

Related terms

Actuate Analytics Cube Viewer, Actuate BIRT Designer Professional, Actuate BIRT Performance Scorecard, Actuate BIRT Studio, Actuate e.Analysis, aggregate value, Business Intelligence and Reporting Tools (BIRT) technology, cube, dashboard, data, function, gadget design (.gadget) file, performance, process

Contrast with

dimension

member

1 A method or variable defined in a class. A member provides or uses information about the state of a single object.

2 A user who is assigned to a security role in an Encyclopedia volume.

Related terms
class, Encyclopedia volume, method, object, security role, state, variable

Contrast with
global variable, instance variable, static variable

member variable

A declared variable within a class. The member variables for an object contain its data or state.

Related terms
class, data, declaration, object, state, variable

message See Message Distribution service.

Message Distribution service

See server service.

metadata Information about the structure of data enabling a program to process information. For example, a relational database stores metadata that describes the data type, name, and size of objects in a database, such as tables and columns.

Related terms
column, data, data type, database, object, table

method A routine that provides functionality to an object or a class.

Related terms
class, object

Contrast with
data, function, overloaded method

method editor

A tool in e.Report Designer Professional used to write code for Actuate Basic methods, as shown in Figure G-86.

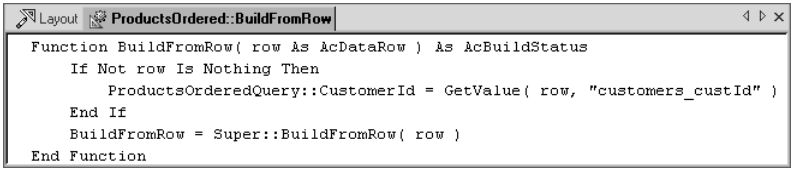


Figure G-86 Method editor

Related terms
Actuate Basic, Actuate e.Report Designer Professional, method

Methods page

In e.Report Designer Professional, a page in the Properties window that displays the methods for a component, as shown in Figure G-87. From the Methods page, the user accesses the method editor to override methods or create new methods.

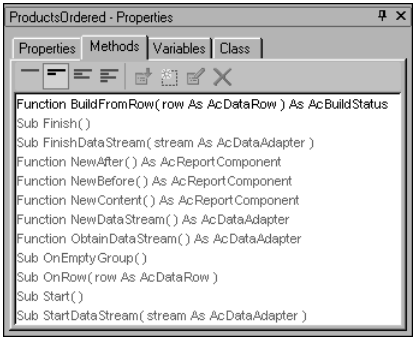


Figure G-87 Methods page

Related terms

Actuate e.Report Designer Professional, component, method, method editor, page, Properties window

Microsoft Management Console

An extensible windowing system that displays graphs and counters containing system data and supports configuring performance logs and alerts. Microsoft Management Console can be configured to display the list of Actuate counters with a performance graph and accumulate statistics using the logging features.

Related terms

data, extension

Contrast with

Actuate Performance Monitoring Extension, Management Console

Microsoft .NET

A Microsoft technology that uses standard tools such as JavaScript and Active Server Pages to build web-based applications. Actuate supports the Microsoft .NET framework for constructing a Simple Object Access Protocol (SOAP) processor. Actuate BIRT iServer System contains a Web Services Description Language (WSDL) document that defines an Actuate web services schema for a Microsoft .NET client. Actuate iServer Integration Technology provides a reference implementation of a Microsoft .NET client application that shows a developer how to build a custom application that implements SOAP processing using this framework.

Related terms

Active Server Page (ASP), Actuate BIRT iServer System, Actuate iServer Integration Technology, application, client/server, framework, JavaScript,

processor, schema, Simple Object Access Protocol (SOAP), web service, Web Services Description Language (WSDL)

Contrast with
Apache Axis, Java

MIME See Multipurpose Internet Mail Extensions (MIME).

modal window

A window that retains focus until explicitly closed by the user. Typically, dialog boxes and message windows are modal. For example, an error message dialog box remains on the screen until the user responds.

Contrast with
modeless window

mode An operational state of a system. Mode implies that there are at least two possible states. Typically, there are many modes for both hardware and software.

modeless window

A window that solicits input but permits users to continue using the current application without closing the modeless window. For example, the Properties window in e.Report Designer Professional is a modeless window.

Related terms
Actuate e.Report Designer Professional, application, Properties window

Contrast with
modal window

module A file that contains class, type, or variable declarations for an application. A module is a unit of code that serves as a building block for a program.

Related terms
application, class, data type, declaration, variable

multicolumn report

A report that displays data in more than one vertical flow. A mailing label report is one type of multicolumn report. Figure G-88 shows a multicolumn report.

Related terms
data, flow, mailing label report, report

multidimensional analysis

In Actuate Analytics Cube Viewer, Actuate BIRT Data Analyzer, and Actuate e.Analysis, a process that applies data filters simultaneously to multiple dimensions of a cube to examine relationships among those dimensions.

Related terms
Actuate Analytics Cube Viewer, Actuate BIRT Data Analyzer, Actuate e.Analysis, cube, data filter, dimension, process

Contrast with
Actuate Analytics option, Actuate BIRT Data Analyzer option, Actuate e.Analysis option, analytics, multidimensional data

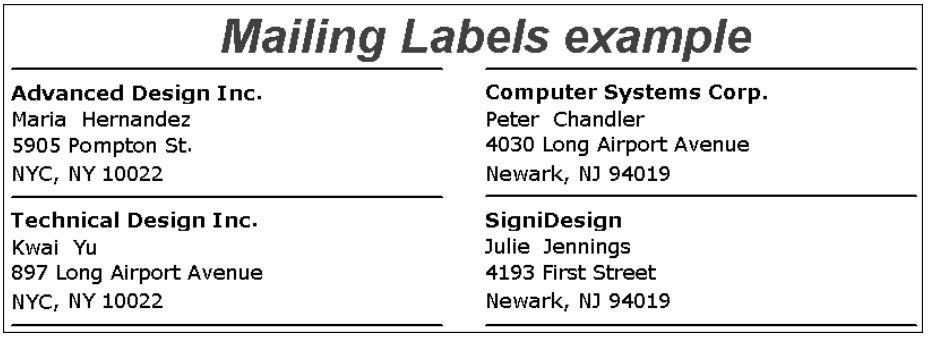


Figure G-88 A multicolumn report

multidimensional data

Any set of records that you can break down or filter according to the contents of individual fields or dimensions, such as location, product, or time. This data organization supports using Actuate Analytics Cube Viewer, Actuate BIRT Data Analyzer, Actuate e.Analysis, and BIRT technology to present and analyze complex relationships.

Related terms
Actuate Analytics Cube Viewer, Actuate BIRT Data Analyzer, Actuate e.Analysis, Business Intelligence and Reporting Tools (BIRT) technology, data, dimension, field, filter

Contrast with
Actuate Analytics option, Actuate e.Analysis option, analytics, BIRT Data Analyzer option, multidimensional analysis

Multipurpose Internet Mail Extensions (MIME)

A protocol that specifies the format of an internet message body such as a Simple Object Access Protocol (SOAP) message. Historically, it is a mechanism for transmitting a non-text file, such as an image or audio file, that is embedded in an internet e-mail message. Internet e-mail was originally designed for ASCII text only. MIME must encode the files at the distributing end and decode the files at the receiving end of the transmission.

Related terms
format, image, protocol, Simple Object Access Protocol (SOAP)

Contrast with
Direct Internet Message Encapsulation (DIME)

multithreaded application

An application that handles multiple simultaneous sessions and users.

Related term
application

name space

See global name space.

navigation bar

A tool that provides download, navigation, print, search, and table of contents.

Related terms
search, table of contents

Navigator In BIRT Designer Professional, an Eclipse view that shows all projects, reports, and associated files within each project. Each project is a directory in the file system. Use Navigator to manage report files, for example, deleting files, moving files from one project to another, or renaming files. Figure G-89 shows Navigator.

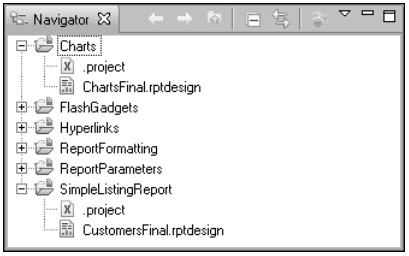


Figure G-89 Navigator

Related terms
Actuate BIRT Designer Professional, Eclipse project, Eclipse view, report

nested report

See subreport.

node

1. A computer that is part of an Actuate BIRT iServer cluster.
2. A computer that is accessible on the internet.
3. An individual part of an Extensible Markup Language (XML) document, such as an element, comment, or text string. A node tree is a hierarchical representation of the entire XML document.

Related terms
Actuate BIRT iServer, cluster, element, Extensible Markup Language (XML), hierarchy, string

Contrast with
domain name

notification

1. A message sent by e-mail or listed on the Channels page in Information Console or Management Console.
2. A message from Actuate BIRT iServer regarding the status of a scheduled report or query. A requested report is available for viewing if the report or query has been successfully run.

Related terms
Actuate BIRT iServer, channel, Information Console, job, Management Console, query, report, request, run

Contrast with
completion notice

notification group

For Actuate BIRT iServer, a set of users who are informed of the status of a scheduled query or report. All users can use any notification group, but only the administrator can create or modify one. Actuate BIRT iServer informs the group when a report or query runs and becomes available.

Related terms
Actuate BIRT iServer, Actuate Query, administrator, query, report

Contrast with
completed job, group, job

null

A value indicating that a variable or field contains no data.

Related terms
data, field, value, variable

number data type

In BIRT technology, a data type used to display numeric values. Report items that contain expressions or fields having a number data type display numeric values in the report document. The appearance of these values depends on the formats and locale settings specified by your computer and the report design.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, data type, design, expression, field, format, locale, report, report item, value

numeric expression

A numeric constant, a simple numeric variable, a scalar reference to a numeric array, a numeric-valued function reference, or a sequence of these items, separated by numeric operators and parentheses. In Actuate Basic, for example:

```
Val(Dates) + 1
```

Related terms
Actuate Basic, array, constant, function, operator, variable

Contrast with
Boolean expression

object An instance of a particular class, including its characteristics. An object has properties and methods. For example, when a user runs an Actuate Basic report, the Factory process instantiates multiple persistent customer frame objects, one for each customer row retrieved from the data source.

Related terms
Actuate Basic report, class, data source, Factory process, frame, method, persistent object, process, property, row

Contrast with
information object, transient object

object aging

See autoarchive.

object reference variable

A variable that contains a reference to an object. References can be passed to functions and subroutines as parameters.

Related terms
function, object, parameter, subroutine, variable

object-oriented programming

A paradigm for writing applications using classes, not algorithms, as the fundamental building blocks. The design methodology uses four main concepts: abstraction, encapsulation, inheritance, and polymorphism.

Related terms
abstraction, application, class, encapsulation, inheritance, polymorphism

Contrast with
object

ODA See open data access (ODA).

ODBC See open database connectivity (ODBC).

ODP See Actuate Analytics parameters (.odp) file.

OLAP See online analytical processing (OLAP).

on-demand request

See synchronous.

online analytical processing (OLAP)

The process of analyzing, collecting, managing, and presenting multidimensional data.

Related terms
data, multidimensional data

Contrast with
analytics

online help

Information that appears on the computer screen to help the user understand an application.

Related term
application

Contrast with
balloon help

open data access (ODA)

A technology that handles communication between a data source and an application. ODA provides interfaces for creating data drivers to establish connections, access metadata, and execute queries to retrieve data. ODA also provides interfaces to integrate query builder tools within an application designer tool. The Eclipse Data Tools Project plug-ins provide ODA to Actuate BIRT technology. e.Report Designer Professional uses Actuate Basic technology to implement ODA. Actuate BIRT iServer System, BIRT Information Designer, and BIRT Spreadsheet Designer can use either Eclipse plug-ins or Actuate Basic technology to implement ODA capability.

Related terms
Actuate Basic technology, Actuate BIRT Information Designer, Actuate BIRT iServer, Actuate BIRT Spreadsheet Designer, Actuate BIRT technology, Actuate e.Report Designer Professional, application, connection, data, data source, Eclipse, interface, metadata, open data access (ODA) driver, plug-in, query

open data access (ODA) driver

An ODA driver communicates between a data source and an application. An ODA driver establishes a connection to a data source, accesses metadata about the data, and executes queries on the data source. In Actuate BIRT technology, ODA drivers are plug-in extensions to the Eclipse Data Tools Platform project. e.Report Designer Professional uses Actuate Basic technology to implement ODA drivers. Actuate BIRT iServer System, BIRT Information Designer, and BIRT Spreadsheet Designer can use ODA drivers implemented as an Eclipse plug-in to the Data Tools Platform project or by using Actuate Basic technology.

Related terms
Actuate Basic technology, Actuate BIRT Information Designer, Actuate BIRT iServer System, Actuate BIRT Spreadsheet Designer, Actuate BIRT technology, Actuate e.Report Designer Professional, application, data, data source, driver, Eclipse, extension, metadata, open data access (ODA), plug-in, query

open data access (ODA) server process

See server processes.

open database connectivity (ODBC)

A standard protocol used by software products as a database management system (DBMS) interface to connect applications and reports to databases.

Related terms
application, database, database management system (DBMS), interface, protocol, report

Contrast with
Connection, data source, Java Database Connectivity (JDBC)

open source

A software development methodology in which the community of programmers and users has complete access to the source code. For example, BIRT is an open source project built on the Eclipse platform.

Related terms
Business Intelligence and Reporting Tools (BIRT), Eclipse platform

Operator

A security role that permits a member to set the Encyclopedia volume's online backup mode and autoarchive policy. The Administrator user is always a member. It is not possible to delete the Operator role.

Related terms
administrator, autoarchive, Encyclopedia volume, security role

operator

A symbol or keyword that performs an operation on expressions.

Related terms
expression, keyword

Order By page

In e.Report Designer Professional, a page in the query editor that displays the sort key, as shown in Figure G-90. You can use the Order By page instead of or in addition to the default behavior of group sections to specify how to sort data.

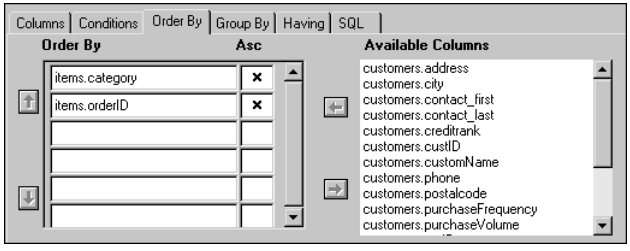


Figure G-90 Order By page

Related terms
Actuate e.Report Designer Professional, data, group section, page, query editor, sort, sort key

outer join

A type of join that returns records from one table even when no matching values exist in the other table. The three types of outer join are left, right, and full outer join. A left outer join returns all records from the table on the left side of the join expression, even if no matching values exist in the table on the right side. A right outer join returns all records from the table on the right side of the join expression,

even if no matching values exist in the table on the left side. For example, joining customers and orders tables on customerID with the customers table on the left side of the expression returns a result set that contains all customer records, including customers who have no orders. A full outer join is the union of the result sets of both left and right outer joins.

Related terms
join, result set, table, value

Contrast with
inner join

Outline In BIRT technology, an Eclipse view that shows all report elements in a report design, report library, or report template. Outline shows the report elements' containment hierarchy in a tree-structured diagram. Figure G-91 shows Outline.

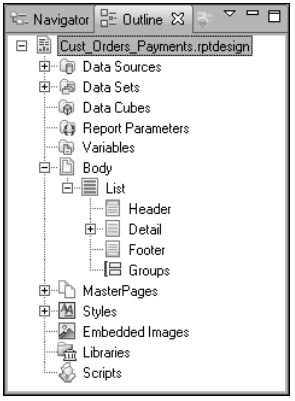


Figure G-91 Outline

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, design, Eclipse view, hierarchy, library, report, report element, template

outline panel

Adjacent areas above and to the left of a BIRT Spreadsheet Designer worksheet in which components indicate columns and rows containing summary and detail data. Figure G-92 shows the outline panel.

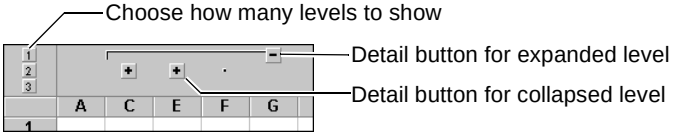


Figure G-92 Outline panel

Related terms
Actuate BIRT Spreadsheet Designer, column, data, row, worksheet

output format

A format to which Actuate reports can be downloaded. Example formats include Microsoft Excel, Microsoft PowerPoint, PDF, and RTF.

Related terms
format, report

overlay chart

See dual y-axis chart.

overloaded method

In a single class, a method in which different sets of arguments can be specified.

Related terms
argument, class, method

override To write new code that replaces the default code of an inherited method.

Related terms
inheritance, method

package

1 A set of functionally related Java classes organized in one directory.

2 A complete application, including all configuration files and programs.

Related terms
application, class, configuration file, Java

page

1 An area in a window that arranges and displays related information. A window can contain several pages, each of which is accessed by a tab. Figure G-93 shows an example of pages in the Properties window in e.Report Designer Professional.

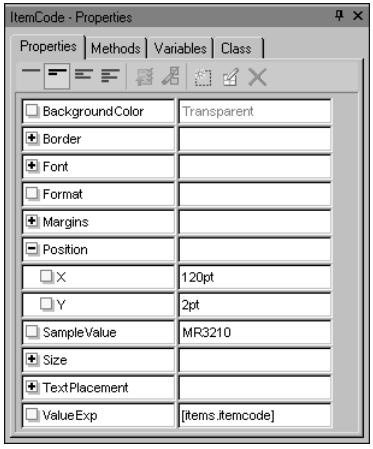


Figure G-93 Pages in the Properties window

2 In e.Report Designer Professional, a component that specifies the design or layout of a page in the report. A page can contain controls, flows, frames, and graphic components. The relevant Actuate Foundation Class is AcPage.

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, control, design, flow, frame, layout, Properties window, report, tab

Contrast with
JavaServer Page (JSP), master page, Page List, PageStyle, web page

page field

In a BIRT Spreadsheet Designer pivot range, a field used to filter all the data the pivot range displays.

Related terms
Actuate BIRT Spreadsheet Designer, data, field, filter, pivot range

Contrast with
data field

page footer

Content that appears at the bottom of each page. For example, a page footer can display a date and a page number.

Contrast with
page header, PageFooter, PageHeader

page header

Content that appears at the top of each page. For example, a page header can display a document title and an illustration.

Contrast with
page footer, PageFooter, PageHeader

page-level security

See Actuate BIRT SmartSheet Security option or Actuate e.Reports Page Level Security option.

Page List

In e.Report Designer Professional, a component that maintains a list of page layouts. The relevant Actuate Foundation Classes include AcCustomPageList, AcLeftRightPageList, AcSimplePageList, and AcTitleBodyPageList.

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, layout, page

Contrast with
PageList

page number control

A component that adds page numbers to a report. In e.Report Designer Professional, a page number control must be in a flow, frame, or page. The

relevant Actuate Foundation Class is AcPageNumberControl. Figure G-94 shows a page number control placed in a page outside the flow.

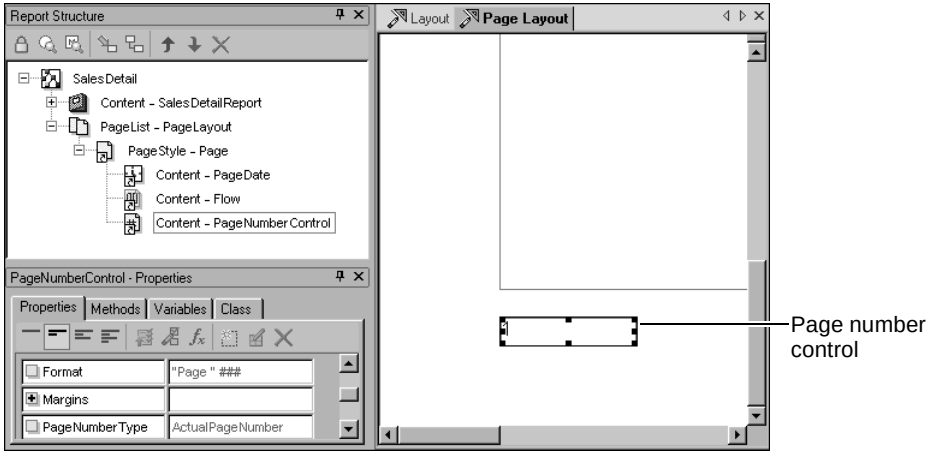


Figure G-94 Page number control placed in a page

Related terms

Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, control, flow, frame, page, report

page security

See Actuate BIRT SmartSheet Security option or Actuate e.Reports Page Level Security option.

PageFooter

In e.Report Designer Professional, a component reference property that identifies a component displayed or printed at the bottom of each page except, optionally, the last page. For example, PageFooter can contain a running total. PageFooter is a slot in the layout editor and the report structure. Figure G-95 shows an empty PageFooter slot in the Report Structure window.

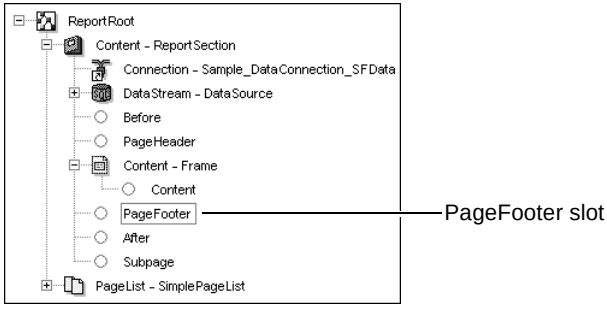


Figure G-95 PageFooter slot

Related terms
Actuate e.Report Designer Professional, component, component reference property, layout editor, page, Report Structure window, slot

Contrast with
page footer, page header, PageHeader

PageHeader

In e.Report Designer Professional, a component reference property that identifies a component displayed or printed at the top of each page except, optionally, the first page. For example, PageHeader can display the report title in a different format from the report title format in the report's Before frame on the first page. PageHeader is a slot in the layout editor and the report structure. Figure G-96 shows a PageHeader slot in the Report Structure window.

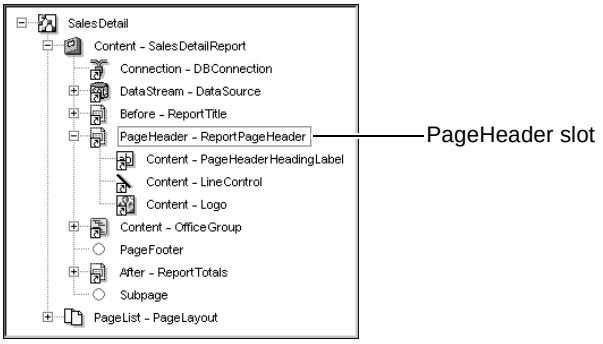


Figure G-96 PageHeader slot containing a frame

Related terms
Actuate e.Report Designer Professional, component, component reference property, frame, layout editor, page, report, Report Structure window, slot

Contrast with
page footer, page header, PageFooter

PageList

In e.Report Designer Professional, a component reference property that identifies the overall page style for the report, such as left-and-right page list, simple page list, and title-and-body page list. PageList is a slot in the Report Structure window, as shown in Figure G-97.

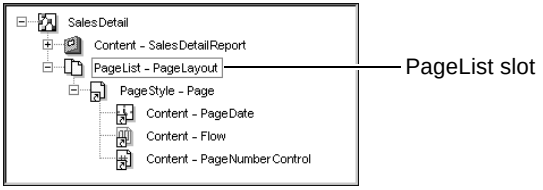


Figure G-97 PageList slot containing a page

Related terms
Actuate e.Report Designer Professional, component reference property, page, report, Report Structure window, slot

Contrast with
Page List, PageStyle

PageStyle In e.Report Designer Professional, a component reference property that identifies a page component. A page component can contain visual elements such as page numbers. PageStyle is a slot in the Report Structure window, as shown in Figure G-98.

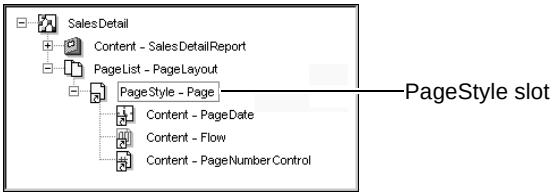


Figure G-98 PageStyle slot

Related terms
Actuate e.Report Designer Professional, component, component reference property, page, Report Structure window, slot

Contrast with
PageList

Palette In BIRT technology, an Eclipse view that shows the report items used to display and organize data in a report. Figure G-99 shows Palette in Actuate BIRT Designer Professional.

Related terms
Actuate BIRT Designer Professional, Business Intelligence and Reporting Tools (BIRT) technology, data, Eclipse view, report, report item

palette See toolbox.

palette file See class representation (.apr) file.

palette representation (.apr) file

See class representation (.apr) file.

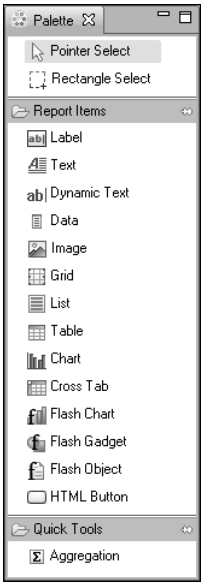


Figure G-99 Palette of report items

pane An area in a user interface. For example, Figure G-100 shows the navigation pane in Information Console.

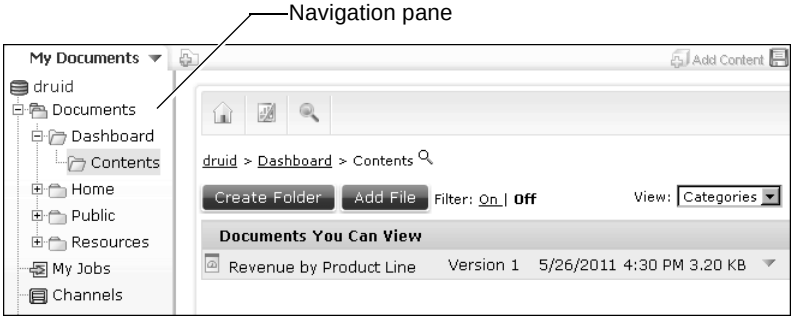


Figure G-100 Pane

Related terms
Information Console, interface

parallel section

In an Actuate Basic report design, a component that contains two or more subreports displayed or printed on the same page. For example, the left side of the page contains a report that displays or prints employee addresses, and the right side of the page contains a report that displays or prints employee salary histories. The relevant Actuate Foundation Class is AcParallelSection.

Figure G-101 shows a parallel section that contains two subreports in the Report Structure window.

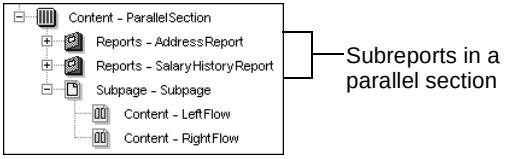


Figure G-101 Parallel section

Related terms
Actuate Basic technology, Actuate Foundation Class (AFC), component, design, page, report, Report Structure window, section, subreport

parameter

1 A report element or variable that provides input to the execution of the report. For example, a user types or selects values for parameters on the Parameters page, as shown in Figure G-102. Parameters provide control over report data selection, formatting, and processing.

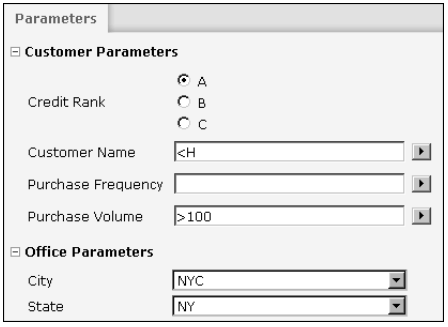


Figure G-102 Parameters page

2 In Actuate SQL, a variable that appears in a query, for example, in a WHERE clause.

3 The definition of an argument to a procedure.

Related terms
Actuate SQL, argument, data, format, Parameters page, procedure, query, report, report element, value, variable

Contrast with
ad hoc parameter, cascading parameters, data set parameter, function, report parameter, subroutine

parameter editor

A tool that displays the parameters that a report design contains. A parameter editor supports adding a parameter to a report design, modifying how a parameter appears to a report user, and deleting a parameter from a report

design. For example, the parameter editor in e.Report Designer Professional looks like the one in Figure G-103.

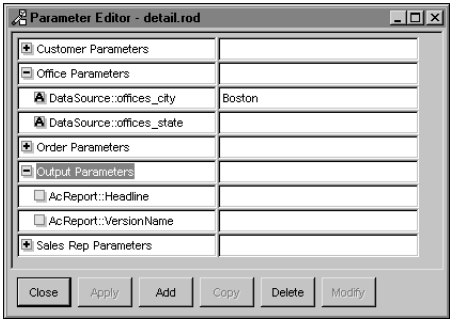


Figure G-103 Parameter editor

Related terms
Actuate e.Report Designer Professional, design, parameter, report

Contrast with
Parameters page

Parameters page

In Information Console and Management Console, a page that prompts a user to enter values for parameters when generating a report.

Related terms
Information Console, Management Console, page, parameter, report, value

Contrast with
file types

parent class

See superclass.

partition

A disk location storing Encyclopedia volume data. The logical name for a partition points to the path or physical location on disk. By default, the logical name for the default partition points to the following path on Windows:

```
\Actuate11\iServer\data\encyc
```

Related term
data, Encyclopedia volume

password

An optional code that restricts user name access to a resource on a computer system. For example, in an Encyclopedia volume, passwords can be up to 256 characters in length and can contain any characters except control characters or spaces. Passwords are case-sensitive. Passwords can use a mixture of case, alphabetical, and numeric characters to increase security.

Related terms
case sensitivity, Encyclopedia volume, user name

Contrast with
security role

pattern A template or model for implementing a solution to a common problem in object-oriented programming or design. For example, the singleton design pattern restricts the instantiation of a class to only one object. The use of the singleton pattern prevents the proliferation of identical objects in a run-time environment and requires a programmer to manage access to the object in a multithreaded application.

Related terms
class, design, instantiation, multithreaded application, object, object-oriented programming, run time, template

pattern matching

See regular expression and search expression.

PDF converter

A tool that converts a report to a PDF file.

Related terms
converter, report

pending job

A job that is waiting for resources to become available so that the job can run.

Related term
job

Contrast with
completed job, running job, scheduled job

performance

Progress in strategies, goals, and other activities that may contribute to achieving organizational objectives.

performance management

The sum of methodologies, metrics, processes, and technology used to carry out the goals of a company, such as clear communication of strategy and goals, fostering accountability, meeting all data access and information delivery requirements, and involving as many people as possible in a closed-loop performance management process.

Related term
data, performance

Performancesoft Track

See Actuate Performancesoft Track.

Performancesoft Views

See Actuate BIRT Performance Scorecard.

persistent object

An object that is stored in a file. For example, most objects created by running a report object executable (.rox) file, including data controls, graphical controls, pages, and sections, are persistent. A report object instance (.roi) file contains only persistent objects.

Related terms
control, data control, file types, object, page, report object executable (.rox) file, report object instance (.roi) file, run, section

Contrast with
transient object

Persistent Object Storage Manager (POSM)

In Actuate Basic technology, a mechanism used for reading and writing a stored object that exists until the report object instance (.roi) file is deleted.

Related terms
Actuate Basic technology, object, report object instance (.roi) file

persistent report

A report document stored in an Encyclopedia volume.

Related terms
Encyclopedia volume, report, report document

Contrast with
temporary report

personal channel

An Information Console channel page that displays the user's completion notices.

Related terms
channel, completion notice, Information Console

personal folder

See home folder.

perspective

See Eclipse perspective.

pivot range

In BIRT Spreadsheet Designer, a range of data displayed as a table in a spreadsheet report. Typically, data in a pivot range is calculated data. Pivot ranges support summarizing and comparing data. You can change the

arrangement, grouping, and sorting of pivot range data without changing the query.

Related terms
Actuate BIRT Spreadsheet Designer, calculated item, data, group, query, range, sort, spreadsheet report, table

Contrast with
calculated field, cross tab, data range

platform The software and hardware environment in which a program runs. Linux, MacOS, Microsoft Windows, Solaris OS, and UNIX are examples of software systems that run on hardware processors made by vendors such as AMD, Apple, Hewlett-Packard, IBM, Intel, Motorola, and Sun.

Contrast with
Eclipse platform

plug-in

1. In Actuate BIRT technology, an extension used by the Eclipse development environment. At run time, Eclipse scans its plug-in subdirectory to discover any extensions to the platform. Eclipse places the information about each extension in a registry, using lazy load to access the extension.
2. A software program that extends the capabilities of a web browser. For example, a plug-in gives you the ability to play audio samples or video movies.

Related terms
Actuate BIRT technology, Eclipse, extension, lazy load, run time

Contrast with
Eclipse Plug-in Development Environment (PDE)

plug-in fragment

In Actuate BIRT technology, a separately loaded plug-in that adds functionality to an existing plug-in, such as support for a new language in a localized application. The plug-in fragment manifest contains named values that associate the fragment with the existing plug-in.

Related terms
Actuate BIRT technology, application, localization, manifest, plug-in, value

polymorphism

The ability to provide different implementations with a common interface, simplifying the communication among objects. For example, defining a unique print method for each kind of document in a system supports printing any document by sending the instruction to print without concern for how that method is actually carried out for a given document.

Related terms
interface, method, object

Contrast with
object-oriented programming

portal A web page that serves as a starting point for accessing information and applications on the internet or an intranet. The basic function of a portal is to aggregate information from different sources.

Related terms
application, web page

Contrast with
mashup, portlet

portlet A window in a browser that provides a view of specific information available from a portal.

Related term
portal

PostScript converter

A tool that converts a report to a PostScript (.ps) file.

Related terms
converter, report

PowerPoint converter

A tool that converts a report to a Microsoft PowerPoint (.ppt) file.

Related terms
converter, report

Contrast with
Excel converter, PDF converter, PostScript converter, RTF converter, Word converter, XML converter

previewer A tool that supports displaying data or a report. A data previewer enables the report developer to review the values of columns returned by a query before designing the report layout. A report previewer enables the report developer to review and improve the report layout before delivery to the user.

Related terms
column, data, design, layout, query, report, value

Contrast with
Actuate BIRT Interactive Viewer, Actuate BIRT Viewer, Viewer

printer attributes

A list of properties that describes the fixed characteristics of a printer. These properties can limit report design features. For example, some color printers cannot print unless they have adequate ink in all colors.

Related terms
design, image, property, report

privilege A level of access to an item in an Encyclopedia volume. Users have privileges either directly or through security roles. The privileges include, for example, the ability to delete, execute, read, and write to an object. The user who develops an item and places it in the Encyclopedia volume and the administrator both have all

privileges for that item. Table G-2 lists the privileges a user can be granted for each item in an Encyclopedia volume.

Table G-2 Privileges

Privilege	Enabled functionality
Delete	Remove items from an Encyclopedia volume.
Execute	Run items from the Encyclopedia volume.
Grant	Extend privileges for a specific item in the Encyclopedia volume to other users.
Read	Open, work with, print, and download an item in the Encyclopedia volume.
Secure read	Read secure parts of a report in the Encyclopedia volume. To use secure read, the user must have BIRT Page Level Security option, BIRT SmartSheet Security option, or e.Reports Page Level Security option available and assigned.
Trusted execute	Execute an information object without having execute privilege for the information object's underlying data sources. This privilege applies only to Actuate information object (.iob) files and map (.sma) files.
Visible	View items in the Encyclopedia volume.
Write	Place and modify an item in a location in an Encyclopedia volume.

Related terms
Actuate BIRT Page Level Security option, Actuate BIRT SmartSheet Security option, Actuate e.Reports Page Level Security option, Actuate information object (.iob) file, administrator, data source, data source map (.sma) file, Encyclopedia volume, information object, object, security role

procedure A set of commands, input data, and statements that perform a specific set of operations. For example, functions, methods, and subroutines are all procedures.

Related terms
data, function, method, statement, subroutine

process A computer program that has no user interface. For example, the Factory process that runs a report object executable (.rox) file is an Actuate BIRT iServer System internal process configurable through Configuration Console, but not directly accessible.

Related terms
Actuate BIRT iServer System, Configuration Console, Factory process, interface, report object executable (.rox) file

Contrast with
processor, server processes, server service, View process

processor

A computer process that translates or converts among different data formats. For example, Apache Axis implements a Java Simple Object Access Protocol (SOAP) processor, which serializes and deserializes Extensible Markup Language (XML) messages in a Java application. Microsoft .NET implements a similar C# SOAP processor. Actuate supports these messaging frameworks to enable Actuate BIRT iServer System to communicate with client applications.

Related terms
Actuate BIRT iServer System, Apache Axis, application, C#, deserialize, Extensible Markup Language (XML), Java, Microsoft .NET, process, serialize, Simple Object Access Protocol (SOAP)

progressive viewing

A mechanism that displays the first page of a report in a web browser as soon as it generates. This option is available for unscheduled jobs only.

Related terms
job, report

Contrast with
synchronous

Project browser

In e.Report Designer Professional, a tool that lists the components included in a report design, as shown in Figure G-104. The list is organized alphabetically by file name and by symbol name within each file.

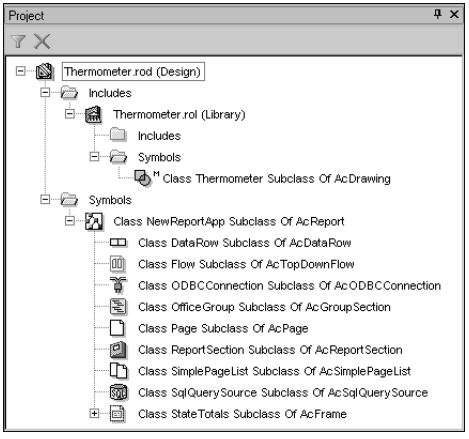


Figure G-104 Project browser

Related terms
Actuate e.Report Designer Professional, component, design, report

Properties In BIRT technology, a grouped alphabetical list of all properties of report elements in a report design. Experienced report developers use this Eclipse view to modify any property of a report element. Figure G-105 shows Properties.

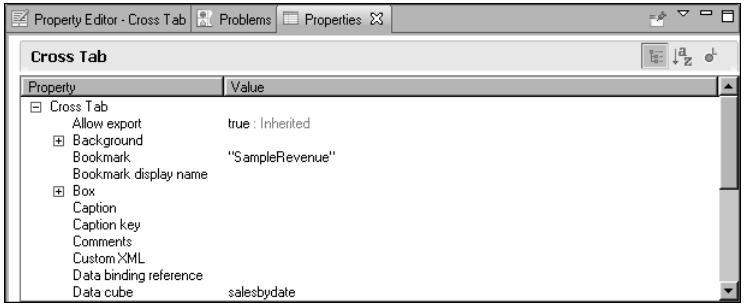


Figure G-105 Properties displaying a sample of cross-tab element properties

Related terms

Business Intelligence and Reporting Tools (BIRT) technology, cross-tab element, design, Eclipse view, property, report, report element, table element

Contrast with

Property Editor

Properties page

In e.Report Designer Professional, a page in the Properties window that lists the properties of a component, such as ValueExp. Use the Properties page to specify values for properties. Figure G-106 shows a Properties page.

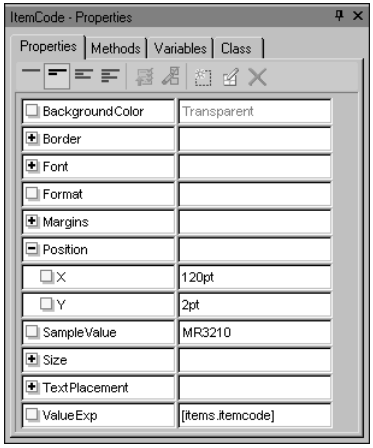


Figure G-106 Properties page

Related terms

Actuate e.Report Designer Professional, component, page, Properties window, property, value

Contrast with
Class page, Methods page, Variables page

Properties window

A tool in e.Report Designer Professional used to define, manipulate, and view methods, properties, and variables of a component. The Properties window also identifies the class from which the component derives. In e.Report Designer Professional, the Properties window consists of the Properties page, Methods page, Variables page, and Class page, as shown in Figure G-107.

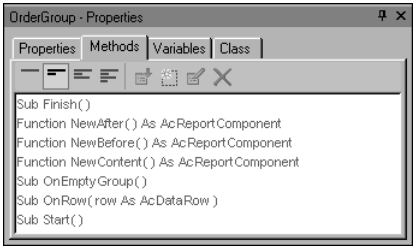


Figure G-107 Properties window

Related terms
Actuate e.Report Designer Professional, class, Class page, component, method, Methods page, Properties page, property, variable, Variables page

property

A characteristic of an item that controls its appearance and behavior. For example, in e.Report Designer Professional, use the Properties page in the Properties window or use code to specify values for properties. For example, a report developer can specify a font size for a label control or the user name and password for a database connection.

Related terms
Actuate e.Report Designer Professional, database connection, font, label control, Properties page, Properties window, user name, value

Contrast with
method

Property Editor

In BIRT technology, an Eclipse view that displays sets of key properties of report elements in a report design. The report developer uses Property Editor to modify those properties. Figure G-108 shows Property Editor.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, design, Eclipse view, property, report, report element

Contrast with
Properties

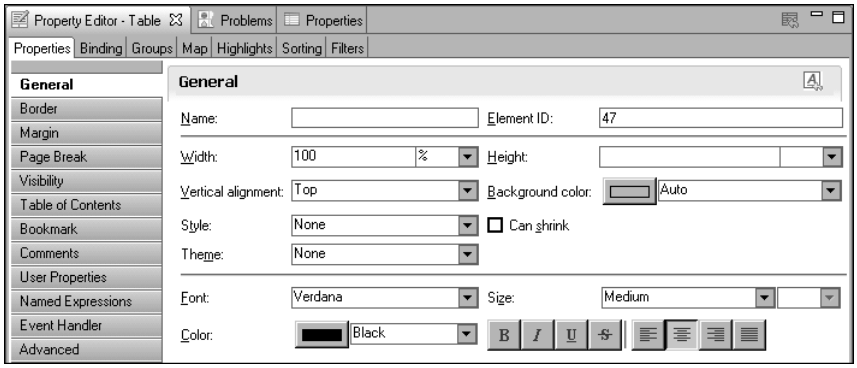


Figure G-108 Property Editor

property list

See Properties page.

protocol A communication standard for the exchange of information. For example, in TCP/IP, the internet protocol (IP) is the syntax and order through which messages are received and sent.

Related term
syntax

publish

1. In BIRT technology, to copy files to a shared folder to make them available to report users and developers. Actuate BIRT Designer Professional publishes libraries and resource files to the resources folder. Published templates reside in the templates folder.
2. In BIRT Designer Professional, BIRT Spreadsheet Designer, and e.Report Designer Professional to upload files to an Encyclopedia volume to make them available to users. Users can run published report executable files. Power users can develop reports in Actuate BIRT Studio using published BIRT report templates.
3. In e.Report Designer Professional, a command to place a component in a library for reuse. When the component is reused, publish makes the component in the design a reference to the component in the library.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Spreadsheet Designer, Actuate BIRT Studio, Actuate e.Report Designer Professional, Business Intelligence and Reporting Tools (BIRT) technology, component, design, Encyclopedia volume, library, reference, report, report executable file, resource file, template

push

1. To deliver information on preselected categories or topics to a web browser. The Encyclopedia process pushes notifications about newly generated reports to specific channels in an Encyclopedia volume.

2 To execute all or part of an Actuate SQL query on a database through the Integration service.

Related terms
Actuate SQL, channel, database, Encyclopedia process, Encyclopedia volume, notification, query, report, server service

query A statement specifying the data rows to retrieve from a data source. For example, a query that retrieves data from a database typically is a SQL SELECT statement.

Related terms
data, data row, data source, database, SQL SELECT statement

Query by Example (QBE)

A syntax used to write expressions that specify data to retrieve from a data source. For example, you can use a QBE expression to specify an ad hoc parameter value. The query is modified based on the QBE expression. Figure G-109 shows QBE expressions.

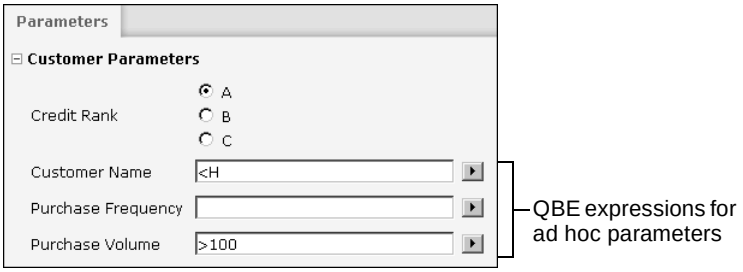


Figure G-109 Query by Example expressions

Related terms
ad hoc parameter, data, data source, expression, query, syntax, value

query data stream

In Actuate Basic technology, a data stream that obtains data from a relational database using a SQL (Structured Query Language) query.

Related terms
Actuate Basic technology, data, data stream, database, query, Structured Query Language (SQL)

query editor

A graphical tool used to write a statement that requests data from a data source. In the e.Report Designer Professional example, shown in Figure G-110, the upper pane supports selecting tables and specifying the joins between those tables. The lower pane displays the query text.

Related terms
Actuate e.Report Designer Professional, data, data source, join, statement, table

Contrast with
SQL SELECT statement, textual query editor (TQE)

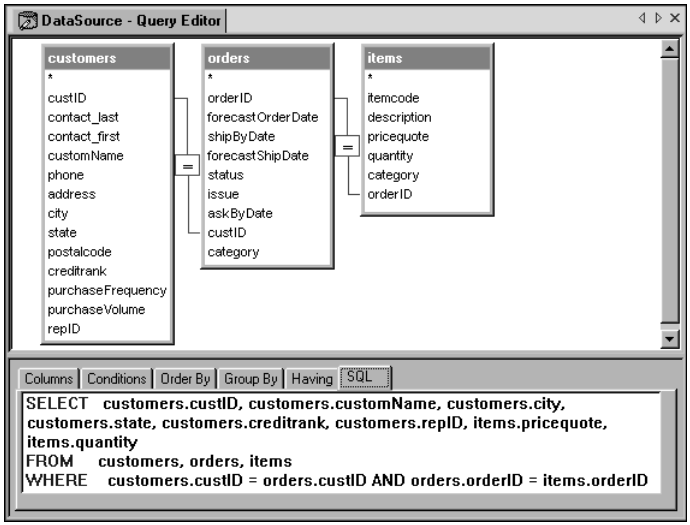


Figure G-110 Query editor in e.Report Designer Professional

query parameter

See parameter.

query synchronization

In e.Report Designer Professional, the process of updating the query so that it is consistent with a modified database schema.

Related terms
Actuate e.Report Designer Professional, database, query, schema

range

1 A continuous set of values of any data type. For example, 1–31 is a numeric range.

2 The distance between the start and end values of the *x*-axis in a chart.

3 In BIRT Spreadsheet Designer, two or more cells. A string of characters identifies the location of a range, for example, A1:C3. If the starting and ending worksheets are different, the range is three-dimensional.

Related terms
Actuate BIRT Spreadsheet Designer, cell, chart, data type, string, three-dimensional range, value, worksheet

Contrast with
data range, tick interval

read privilege

See privilege.

rectangle control

1 In BIRT Spreadsheet Designer, a control used to add box shapes to a spreadsheet design.

2 In e.Report Designer Professional, a control used to add box shapes to a report design. The relevant Actuate Foundation Class is AcRectangleControl. Figure G-111 shows two rectangle controls in the layout editor.

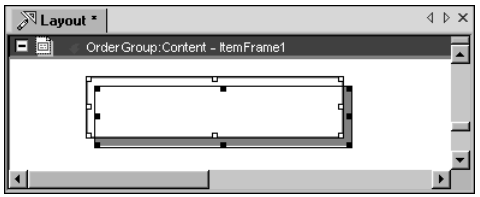


Figure G-111 Rectangle controls in the layout editor

Related terms
Actuate BIRT Spreadsheet Designer, Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), control, design, layout editor, report

Contrast with
drawing control, line control

recursion A process in which a function or subroutine directly or indirectly calls itself to accomplish a task. The recursive function or subroutine continues until an external event interrupts it or until a specified condition occurs.

Related terms
event, function, process, subroutine

reference In an Actuate Basic report, the pointer to an existing class in a report object design or a component library. To modify the properties of a class that is a reference, modify the existing class to which it is a reference or create a subclass of the class to which it is a reference.

Related terms
Actuate Basic report, class, component, library, property, report object design, subclass

Contrast with
cell reference

regular expression

In BIRT technology, a JavaScript mechanism that matches patterns in text. The regular expression syntax can validate text data, find simple and complex strings of text within larger blocks of text, and substitute new text for old.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, data, expression, JavaScript, string, syntax

Contrast with
aggregate expression

relational database management system (RDBMS)

A database management system (DBMS) that organizes data into tabular record structures consisting of rows and columns that can be linked together by a common column. An RDBMS typically uses Structured Query Language (SQL) to enable selective retrieval, manipulation, and storage of data by an application.

Related term
application, column, data, data row, database, database management system (DBMS), Structured Query Language (SQL), table

relative cell reference

In a BIRT Spreadsheet formula, a reference to a cell by its position in relation to the cell that contains the formula. If the position of the cell that contains the formula changes, the reference changes to match. For example, if you copy a relative reference in cell B2 to cell B3, it automatically adjusts from =A1 to =A2.

Related terms
Actuate BIRT Spreadsheet Designer, cell, cell reference, formula

remote procedure call (RPC)

Enables a client application to execute a function or method by sending a message to a server or other program running on another computer. An Actuate Information Delivery API (IDAPI) client application uses the RPC framework to send a Simple Object Access Protocol (SOAP) request to Actuate BIRT iServer System to perform a web service.

Related terms
Actuate BIRT iServer System, Actuate Information Delivery API (IDAPI), application, client/server, framework, function, method, Microsoft .NET, object-oriented programming, Simple Object Access Protocol (SOAP), web service

rendering extension

In BIRT technology, an extension that produces a report in a specific format. For example, BIRT provides rendering extensions for Adobe PDF, Adobe PostScript, HyperText Markup Language (HTML), Microsoft Excel, Microsoft PowerPoint, and Microsoft Word.

Related terms
Business Intelligence and Reporting Tools (BIRT), Business Intelligence and Reporting Tools (BIRT) technology, extension, format, HyperText Markup Language (HTML), report

report

A category of documents that presents formatted and structured content from one or more data sources, such as a database, spreadsheet, or text file. A sample report appears in Figure G-112.

Related terms
data source, database, format, image, structured content

Contrast with
spreadsheet report

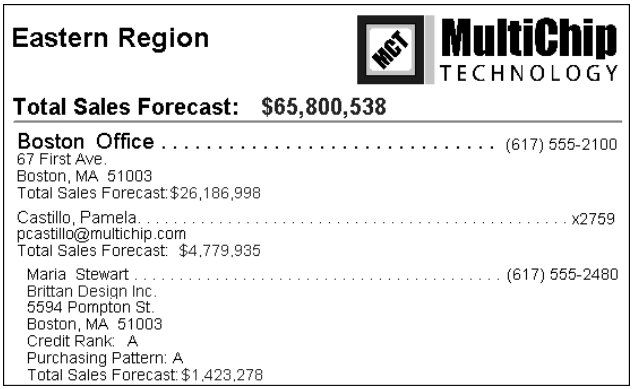


Figure G-112 Report showing formatted text and an image

report bursting

In Actuate Basic reports, a report design technique used to break a report into several smaller reports. Using this technique, the single report object executable (.rox) file generates multiple report object instance (.roi) files. Only scheduled reports support bursting.

Related terms
Actuate Basic report, design, report, report object executable (.rox) file, report object instance (.roi) file

Contrast with
report object, Reportlet, scheduled job

report chart

See chart.

Report Collaborative Architecture (RCA)

A mechanism that enables developers having different skill levels to design reports as a team. For example, this architecture supports a Java programmer who writes the complex data access or business logic, a graphic designer who builds the theme, and a report designer who creates the charts.

Related terms
chart, data, design, Java, report, theme

report design (.rptdesign) file

In BIRT technology, an Extensible Markup Language (XML) file that contains the complete description of a report. The report design file describes the structure and organization of the report, the constituent report items, data sets, data sources, and Java and JavaScript event handler code. A report developer uses BIRT Designer Professional or Actuate BIRT Studio to create the report design file and the BIRT Report Engine processes it to create a formatted report.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Studio, Business Intelligence and Reporting Tools (BIRT) Report Engine, Business Intelligence and Reporting Tools (BIRT) technology, data set, data source, design, event handler, Extensible Markup Language (XML), format, Java, JavaScript, report, report item

Contrast with
Actuate BIRT report design (.rptdesign) file, file types

report document

A file in an Encyclopedia volume or file system that contains a report.

Related terms
Encyclopedia volume, report

Contrast with
file types, report document (.rptdocument) file

report document (.rptdocument) file

In BIRT technology, a binary file that encapsulates the report item identifiers and values, and additional information, such as data rows, pagination, and table of contents.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, data row, report item, table of contents, value

Contrast with
Actuate BIRT report document (.rptdocument) file, file types

report editor

In BIRT Designer Professional and Actuate BIRT Studio, the main window where a report developer designs and previews a report. The report editor supports opening multiple report designs. For each report design, the report editor displays these five pages: Extensible Markup Language (XML) source editor, layout editor, master page editor, previewer, and script editor.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Studio, design, Extensible Markup Language (XML), layout editor, master page, previewer, report, script editor

Contrast with
report design (.rptdesign) file

report element

In BIRT technology, a visual or non-visual component of a report design. A visual report element, such as a table or a label, is a report item. A non-visual report element, such as a report parameter or a data source, is a logical component. Actuate BIRT technology supports additional report elements, such as Flash gadgets and the report document data source.

Related terms
Actuate BIRT technology, Business Intelligence and Reporting Tools (BIRT) technology, data source, design, element, flash gadget element, label element, report, report document (.rptdocument) file, report item, report parameter, table element

Report Encyclopedia volume

See Encyclopedia volume.

report executable file

A file that contains instructions for generating a report document.

Related term
report document

Contrast with
file types, report object executable (.rox) file

report generation process

See Factory process.

report item

In BIRT technology, a report element that is a visual component of a report design. A report item displays content in the report output. For example, a data element displays data from a data set. Actuate BIRT technology provides support for additional report items, such as Flash gadgets.

Related terms
Actuate BIRT technology, Business Intelligence and Reporting Tools (BIRT) technology, data, data element, data set, design, flash gadget element, report, report element

Contrast with
structured content

report item extension

In BIRT technology, an extension that implements a custom report item. For example, Actuate BIRT technology uses report item extensions to provide additional report item, such as Flash gadgets.

Related terms
Actuate BIRT technology, extension, flash gadget element, report item

report, nested

See subreport.

report object

In Actuate Basic technology, an object that contains all other objects in a report. The report object is the root of the report structure. The relevant Actuate Foundation Class is AcReport.

Related terms
Actuate Basic technology, Actuate Foundation Class (AFC), object, report

report object design

In e.Report Designer Professional, a specification that describes how to produce a report object instance.

Related terms
Actuate e.Report Designer Professional, report object instance

Contrast with
report object design (.rod) file, report object instance (.roi) file

report object design (.rod) file

In Actuate Basic technology, a binary file type that contains a report object design. In e.Report Designer Professional, saving a report object design creates a design file.

Related terms
Actuate Basic technology, Actuate e.Report Designer Professional, design, file types, report object design

report object executable (.rox) file

In Actuate Basic technology, a binary file type that contains the instructions for generating and viewing a report document. In e.Report Designer Professional, building a report creates an report object executable file from a report object design and associated Basic source files and component libraries.

Related terms
Actuate Basic technology, Actuate e.Report Designer Professional, Basic source (.bas) file, component library, design, file types, report, report document, report object design

Contrast with
executable file

report object instance

In Actuate Basic technology, a set of persistent objects that represents a report.

Related terms
Actuate Basic technology, persistent object, report

Contrast with
report object instance (.roi) file

report object instance (.roi) file

In Actuate Basic technology, a binary file type that contains the viewable report.

Related terms
Actuate Basic technology, file types, report

report object library

In e.Report Designer Professional, a collection of reusable and shareable, published components that provide consistent behavior and appearance across a suite of reports. Modifying a component in a library updates the component in all report designs that use that library.

Related terms
Actuate e.Report Designer Professional, component, design, publish, report

Contrast with
report object library (.rol) file

report object library (.rol) file

In e.Report Designer Professional, a binary file containing reusable and shareable, published components that a report developer uses in a report design.

Related terms
Actuate e.Report Designer Professional, component, design, file types, publish, report

Contrast with
report object library

Report Object Model (ROM)

The abstract specification for BIRT technology. The ROM defines the visual and non-visual components of a report. The ROM specification is an Extensible Markup Language (XML) document. The complete ROM specification is at:

`http://www.eclipse.org/birt/ref`

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, Extensible Markup Language (XML), report

Contrast with
Report Object Model definition file (rom.def), Report Object Model (ROM) element, Report Object Model (ROM) schema

Report Object Model definition file (rom.def)

The deployment file containing the Report Object Model (ROM) specification that BIRT technology uses to generate and validate a report design.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, design, report

Contrast with
Report Object Model (ROM), Report Object Model (ROM) element, Report Object Model (ROM) schema

Report Object Model (ROM) element

An Extensible Markup Language (XML) element in the BIRT Report Object Model (ROM) that describes a visual or non-visual component of a report. Visual

elements include items appearing in a report such as a label, list, or table element. Non-visual elements include data sets, data sources, and report parameters.

Related terms
Business Intelligence and Reporting Tools (BIRT), data set, data source, element, Extensible Markup Language (XML), label element, list element, report, report item, Report Object Model (ROM), report parameter, table element

Contrast with
report element, Report Object Model definition file (rom.def), Report Object Model (ROM) schema

Report Object Model (ROM) schema

The Extensible Markup Language (XML) schema defining the content, semantics, and structure of the components in the BIRT Report Object Model (ROM). The ROM schema is at:

`http://www.eclipse.org/birt/2005/design`

Related terms
Business Intelligence and Reporting Tools (BIRT), Extensible Markup Language (XML), Report Object Model (ROM), schema

Contrast with
Report Object Model definition file (rom.def), Report Object Model (ROM) element

report object parameter (.rop) file

In e.Report Designer Professional, a transient file containing a list of parameters that appear in Requester.

Related terms
Actuate e.Report Designer Professional, file types, parameter, requester

Contrast with
report

report object value (.rov) file

In Actuate Basic technology and Actuate BIRT iServer, a file that contains parameter values that the Factory uses to generate a report. Running a report creates an ROV file.

Related terms
Actuate Basic technology, Actuate BIRT iServer, factory, file types, parameter, report, run, value

report output

See output format.

report parameter

In BIRT technology, a report element that enables a user to provide a value as input to the execution of the report. Using a parameter to customize a report

provides more focused information to meet specific needs. For example, parameters support selecting sales information by country and city.

Related terms

Business Intelligence and Reporting Tools (BIRT) technology, parameter, report, report element, value

Contrast with

cascading parameters, data set parameter

report script

A combination of simple expressions and filters used in a data range to define and organize the data displayed in a spreadsheet report.

Related terms

data, data range, expression, filter, spreadsheet report

Contrast with

report script function

report script function

A keyword used in a BIRT Spreadsheet Designer worksheet to perform a specific calculation in a data range. The report script function can evaluate a combination of data fields, filters, and simple expressions to specify and arrange the values that appear in the spreadsheet report. A data range cell or section can contain report script using multiple report script functions.

Related terms

Actuate BIRT Spreadsheet Designer, cell, data, data field, data range, expression, filter, function, keyword, spreadsheet report, section, value, worksheet

report section

In an Actuate Basic report design, a section that contains components that retrieve, organize, and display information. The relevant Actuate Foundation Class is AcReportSection. Figure G-113 shows a report section in the Report Structure window.

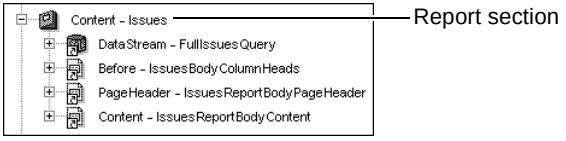


Figure G-113 Report section containing references to a data source and frames

Related terms

Actuate Basic report, Actuate Foundation Class (AFC), component, data source component, design, frame, reference, report, Report Structure window, section

report server

See Actuate BIRT iServer.

report server API

See Actuate iServer Integration Technology.

Report Server Security Extension (RSSE)

See Actuate Report Server Security Extension (RSSE).

Report Structure window

In e.Report Designer Professional, a tool that displays an outline of report components showing their functional relationships to one another, as shown in Figure G-114.

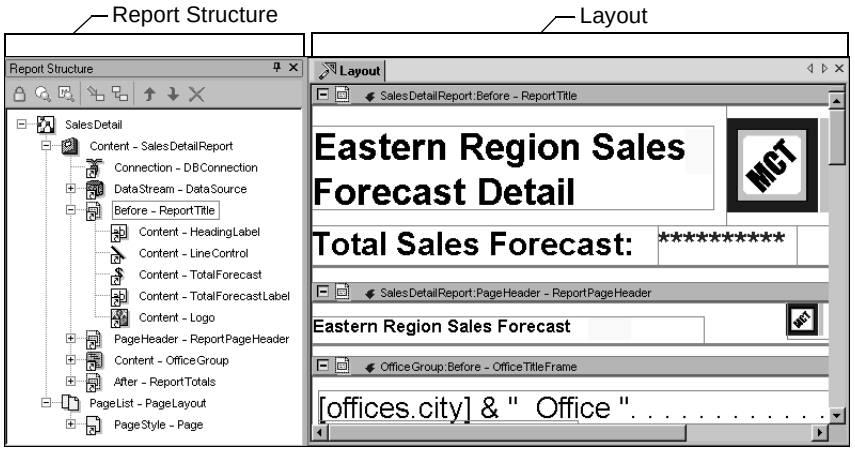


Figure G-114 Report Structure window

Related terms
Actuate e.Report Designer Professional, component, report

Contrast with
layout editor

report template

See template.

report template (.rpttemplate) file

In BIRT technology, an Extensible Markup Language (XML) file that contains a reusable design providing a start position for developing a new report.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, design, Extensible Markup Language (XML), report

Contrast with
Actuate BIRT report template (.rpttemplate) file, file types, template

report viewer servlet

A Java EE web application servlet that produces a report from a report design (.rptdesign) file or a report document (.rptdocument) file. In BIRT technology, when deployed to a Java EE application server, the report viewer servlet makes reports available for viewing over the web. The report viewer servlet is also an active component of the report previewer of BIRT Designer Professional.

Related terms
Actuate BIRT Designer Professional, application, Business Intelligence and Reporting Tools (BIRT) technology, Java Platform Enterprise Edition (Java EE), previewer, report, report design (.rptdesign) file, report document, report document (.rptdocument) file, servlet, web server

reporting system

See Actuate BIRT iServer System.

Reportlet In Actuate Basic technology and Actuate BIRT technology, a portion of a report that can be embedded in a web page.

Related terms
Actuate Basic technology, Actuate BIRT technology, report, web page

repository A location for rich information storage. In Actuate BIRT iServer System, the repository is an Encyclopedia volume. For Actuate BIRT Deployment Kit, the repository is a file system.

Related terms
Actuate BIRT Deployment Kit, Actuate BIRT iServer System, Encyclopedia volume

request A message that an application sends to a component to perform an action. For example, Information Console sends a request to Actuate BIRT iServer to provide the list of items in a folder using the following URI:

```
http://<webserver>/iportal/getfolderitems.do?folder=/
```

Related terms
Actuate BIRT iServer, application, Information Console, Universal Resource Identifier (URI)

Contrast with
response, URL request

request retry

In an Encyclopedia volume, an action to resubmit a failed scheduled job.

Related terms
Encyclopedia volume, request, scheduled job

requester A tool in a report designer that provides input or modifies parameters. Generating a report from a report executable file uses the values of these parameters.

Related terms
design, parameter, report, report executable file

Contrast with
Parameters page

reserved word

See keyword.

resource

An application component, such as a class, configuration file, image, library, or template.

Related terms
application, class, configuration file, image, library, template

Contrast with
resource file

resource file

In BIRT technology, a text file that contains the mapping from resource keys to string values for a particular locale. Resource files support producing a report having localized values for label and text elements.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, label element, locale, report, resource key, string, text element, value

Contrast with
localization, resource

resource group

A system for managing the allocation of iServer Factory processes to run designs and generate documents. A Factory process waits until iServer routes a job assigned to that resource group. A Factory process reserved for a resource group can only be used for objects specified to run in that group. For example, iServer routes a design to a synchronous resource group to run the design immediately and an asynchronous resource group to run the design as a scheduled job.

Related terms
Actuate BIRT iServer, asynchronous, design, Factory process, job, scheduled job, synchronous

resource key

In BIRT technology, a unique value that maps to a string in a resource file. For example, the resource key, greeting, can map to Hello, Bonjour, and Hola in the resource files for English, French, and Spanish, respectively.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, resource file, string, value

response

A message containing the result of a requested operation.

Contrast with
request

result set Data rows from an external data source. For example, the data rows that are returned by a SQL SELECT statement performed on a relational database are a result set. A stored procedure can return one or more result sets. The automated features for stored procedures in BIRT Designer Professional, BIRT Spreadsheet Designer, and e.Report Designer Professional use the first returned result set.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Spreadsheet Designer, Actuate e.Report Designer Professional, data row, data source, database, SQL SELECT statement, stored procedure

retry policy

In an Encyclopedia volume, settings that specify how many times and at what intervals to resubmit a failed job.

Related terms
Encyclopedia volume, job

rich information application (RIA)

A software framework supporting a web application offering improved user satisfaction and increased productivity. Rich internet applications offer a set of integrated technologies supported by an established ecosystem.

Related terms
application

right outer join

See outer join.

ROD See report object design (.rod) file.

ROI See report object instance (.roi) file.

ROL See report object library (.rol) file.

role See security role.

ROM See Report Object Model (ROM).

ROP See report object parameter (.rop) file.

ROS See search definition (.ros) file.

ROV See report object value (.rov) file.

row

1. A record in a table.
2. A horizontal sequence of cells in a cross tab, a BIRT Spreadsheet Designer worksheet, or a BIRT grid element or table element.

Related terms
Actuate BIRT Spreadsheet Designer, Business Intelligence and Reporting Tools (BIRT), cell, cross tab, grid element, table, table element, worksheet

Contrast with
data row

row area In BIRT Spreadsheet Designer, an area used to identify the values for each row section in a data range. The row area occupies the far right column in the template area, as shown in Figure G-115.

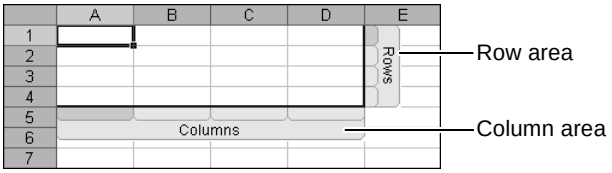


Figure G-115 Row area

Related terms
Actuate BIRT Spreadsheet Designer, column, data range, row, value

Contrast with
column area

row field In a BIRT Spreadsheet Designer pivot range, a field that determines what data appears in rows.

Related terms
Actuate BIRT Spreadsheet Designer, data, field, pivot range, row

row key An expression used to collect data rows into row groups and subgroups in a cross-tab control or element.

Related terms
cross tab, cross-tab element, data row, group, expression

Contrast with
column key

ROX See report object executable (.rox) file.

RPTDESIGN

See report design (.rptdesign) file.

RPTDOCUMENT

See report document (.rptdocument) file.

RPTLIBRARY

See library (.rptlibrary) file.

RPTTEMPLATE

See report template (.rpttemplate) file.

RTF converter

A tool that converts a report to a Rich Text Format (.rtf) file.

Related terms
converter, report

Contrast with
Excel converter, file types, PDF converter, PostScript converter, PowerPoint converter, Word converter, XML converter

run

1 To execute a program, utility, or other machine function.

2 To request current data in a new instance of a report. For example, run a report object executable (.rox) file to generate a new report.

Related terms
data, report, report object executable (.rox) file

Contrast with
report object instance (.roi) file

run job

A job initiated by a request from Information Console that runs immediately and produces a temporary report document.

Related terms
Information Console, job, report document, request, run, temporary report

Contrast with
completed job, run-and-save job, scheduled job

run time

The period of time in which a computer program executes. For example, a report executable generates a report during run time.

Related terms
report, report executable file

Contrast with
design time, view time

run-and-save job

A job initiated by a request from Information Console that runs immediately and saves its output on an Encyclopedia volume.

Related terms
Encyclopedia volume, Information Console, job, request, run

Contrast with
completed job, run job, scheduled job

running aggregate

An expression that calculates a value in one pass through the data rows in a data source. For example, an expression that calculates the sum of all orders in a group of data rows is a running aggregate.

Related terms
data row, data source, expression, value

Contrast with
lookahead aggregate

running job

A job currently executing.

Related term
job

Contrast with
completed job, output format, pending job, scheduled job

SAX See Simple API for XML (SAX).

scheduled job

A job designated to run at a particular time, save its output in an Encyclopedia volume, and optionally recur. Information Console and Management Console support creating and managing a scheduled job.

Related terms
Actuate Information Console, Management Console, Encyclopedia volume, job, run

Contrast with
completed job, output format, run-and-save job, running job

schema

1. A database schema specifies the structure of database components and the relationships among those components. The database components are items such as tables.
2. An Extensible Markup Language (XML) schema defines the structure of an XML document. An XML schema consists of element declarations and type definitions that describe a model for the information that a well-formed XML document must contain. The XML schema provides a common vocabulary and grammar for XML documents that support exchanging data among applications.

Related terms
application, data, database, declaration, element, Extensible Markup Language (XML), object, table, well-formed XML

scope The parts of a program in which a symbol or object exists or is visible. The location of an item's declaration determines its scope. For example, the global scope in an Actuate Basic program holds all global variable, function, and class names. Scopes can be nested. For example, a method introduces a new scope for its parameters and local variables. A class introduces a scope for its member variables, member functions, and nested classes. Code in a method in one scope has visibility to other symbols in that same scope and, with certain exceptions, to symbols in outer scopes.

Related terms
Actuate Basic, class, declaration, function, member, method, object, parameter, variable

Contrast with
scope resolution operator (::)

scope resolution operator (::)

In Actuate Basic technology, an operator that refers to symbols in a specific scope. A leading :: refers to the global scope. For example, CustomerFrame::CustId refers to the control CustId within the scope of the frame, CustomerFrame. This control is different from TotalsFrame::CustId, which is scoped to TotalsFrame. Actuate Basic code accesses static variables in a class by using this operator, not dot notation.

Related terms
Actuate Basic technology, class, control, dot notation, frame, operator, scope, static variable

Scratch Pad

A tool in e.Report Designer Professional that stores components outside the report design structure. Figure G-116 shows the Scratch Pad.

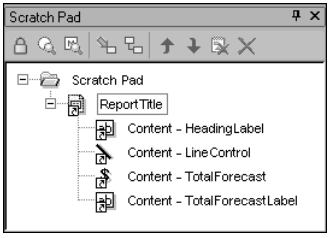


Figure G-116 Scratch Pad

Related terms
Actuate e.Report Designer Professional, component, design, report

script editor

In the report editor in BIRT Designer Professional, the page where a report developer adds or modifies JavaScript for a report element.

Related terms
Actuate BIRT Designer Professional, JavaScript, page, report, report editor, report element

SDK (Software Development Kit)

A collection of programming tools, utilities, compilers, debuggers, interpreters, and application programming interfaces (API) that a developer uses to build an application to run on a specified technology platform. For example, the Java SDK supports developers in building an application that users can download to run on any operating system. The Java Virtual Machine (JVM), the Java SDK interpreter, executes the application in the specified software and hardware configuration.

BIRT Designer Professional, BIRT Spreadsheet Engine, and Actuate iServer Integration Technology all provide an SDK.

Related terms
Actuate BIRT Spreadsheet Engine, Actuate BIRT technology, Actuate iServer Integration Technology, application, application programming interface (API), Java, Java Virtual Machine (JVM), platform

search

1 To find a string in a document.

2 In Actuate Basic technology, a mechanism that uses a set of search conditions to find data in a report.

Related terms
Actuate Basic technology, data, report, search conditions, string

search conditions

In Actuate Basic technology, a set of search expressions to apply to a search. For example:

```
Order Total > 1000000
```

Related terms
Actuate Basic technology, search, search expression

search definition (.ros) file

In Actuate Basic technology, a file that contains search conditions, data fields to display, extraction options, and report document structure information.

Related terms
Actuate Basic technology, data, field, file types, report document, search conditions

search expression

In Actuate Basic technology, a condition used in a search. This expression can use special characters. Some nonprinting ASCII codes are represented by character pairs that begin with the backslash (\). The special characters and examples of their use include the items in Table G-3.

Table G-3 Using special characters in a search expression

Special character	Definition
\	Escape next character (1- or 2-byte character)
?	Match any one character (1- or 2-byte character)
*	Match zero or any number of character(s)
\a	Match one alarm (0x07)
\b	Match one backspace (0x08)

(continues)

Table G-3 Using special characters in a search expression (continued)

Special character	Definition
\t	Match one tab (0x09)
\n	Match one new line (0x0a)
\f	Match one form feed (0x0c)
\r	Match one carriage return (0x0d)
\\	Match one backslash (\)
[ ]	Match zero characters (ignored)
[characterlist]	Match any one character inside the brackets
[a-z0-9]	Match any lowercase or ASCII numeric character
[a-z-]	Match any lowercase character or hyphen (-)
[^a-z0-9]	Match any character other than lowercase or ASCII numeric
[^] or "\^"	Match one caret (^)
[?] or "\?"	Match one question mark (?)
[#] or "\#"	Match one pound sign (#)
[*] or "*"	Match one asterisk (*)
[[] or "\["	Match one open bracket ([)
[]] or "\]"	Match one closed bracket (])
["\["-"\]"]	Match any ASCII character code between [and]
["\1"-"\377"]	Match any octal character excluding NUL (0x00)
["\x100"-"\xffff"]	Match any hexadecimal character

Related terms
Actuate Basic technology, character, escape character (\), expression, search

Contrast with
wildcard

search indexing

In Actuate Basic technology, a technique used to identify frequently searched controls to support faster searching.

Related terms
Actuate Basic technology, control, search

section

1 In Actuate Basic technology, a component that determines the logical structure of information in a report design. Sections process data rows to determine which visual components should generate output. There are five types of sections: conditional, group, parallel, report, and sequential sections.

2 In BIRT technology, a horizontal band in a report design. A section uses a grid element, list element, or table element to contain data values, images, and text.

Related terms
Actuate Basic technology, Business Intelligence and Reporting Tools (BIRT) technology, component, conditional section, data, data row, design, grid element, group section, image, list element, parallel section, report, report section, sequential section, table element, value

secure read privilege

See privilege.

security ID

An identifier such as an assigned name, a security role, or a user name specified in an Actuate Basic or spreadsheet report by the report designer to restrict or support access to report components using an access control list (ACL).

Related terms
access control list (ACL), Actuate Basic report, component, report, security role, spreadsheet report, user name

security role

A name for a set of privilege levels. Assigning a security role to a user defines the user's privileges.

Related term
privilege

Contrast with
security ID, user name

SELECT See SQL SELECT statement.

select To highlight one or more items in a user interface, such as a dialog box or a layout editor. Figure G-117 shows selected items in a report design in the layout editor in e.Report Designer Professional.

Figure G-117 Four selected items

Related terms
Actuate e.Report Designer Professional, design, interface, layout editor, report

semantic type

An attribute that describes a data type. An application uses the semantic type to determine the use and purpose of a data type. For example, Actuate Basic code can use the semantic type, AC_SEMANTIC_TYPE_OBJECT_ID, to identify a data type, such as AcProperty::STRING.

Related terms
Actuate Basic, application, data type

sequential section

In an Actuate Basic report design, a section that contains several frames, subreports, or other sections that display or print in a specified order. The relevant Actuate Foundation Class is AcSequentialSection.

Related terms
Actuate Basic report, Actuate Foundation Class (AFC), design, frame, section, subreport

serialize

The process of converting an object from a binary form to a text-based form to transmit data over a network. For example, in the Actuate Information Delivery API (IDAPI), an Apache Axis Simple Object Access Protocol (SOAP) processor serializes, or transforms, a remote procedure call (RPC) by a client application from a binary program form to an Extensible Markup Language (XML) SOAP message. This message requests Actuate BIRT iServer to perform a web service. The application sends the request across the network using the Hypertext Transfer Protocol (HTTP) transport layer. The SOAP processor embedded in the IDAPI client application framework automates serialization and deserialization of JavaBeans, relieving the developer of the necessity to program a client application at this level. IDAPI also supports the Microsoft .NET framework for developing a client application that uses a SOAP processor. The serialization and deserialization code is visible in the IDAPI com.actuate.schemas classes.

Related terms
Actuate Information Delivery API (IDAPI), Apache Axis, application, client/server, data, deserialize, Extensible Markup Language (XML), framework, HyperText Transfer Protocol (HTTP), JavaBean, Microsoft .NET, object, processor, remote procedure call (RPC), Simple Object Access Protocol (SOAP), web service

Contrast with
server service

series

A sequence of related values. In a chart, for example, a series is a set of related points. Figure G-118 shows a bar chart that displays a series of quarterly sales revenue figures over four years.

Related terms
chart, value

Contrast with
category

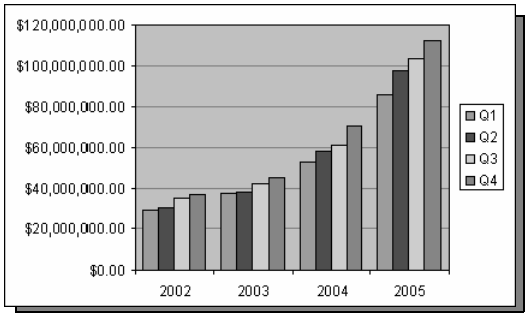


Figure G-118 Series in a chart

server See Actuate BIRT iServer and web server.

server application

An application that furnishes data in response to multiple simultaneous requests from one or more clients.

Related terms
application, client/server, data, request, response

Contrast with
Actuate BIRT iServer, web server

server heartbeat

In Actuate BIRT iServer System, a periodic signal issued by a cluster node to indicate that it is running. If iServer System does not receive a response within the specified time period, it assumes that the node is unavailable. The system re-distributes incoming requests to the remaining nodes.

Related terms
Actuate BIRT iServer System, cluster, node, request, response

server processes

A set of cooperating processes that constitute Actuate BIRT iServer System. Table G-4 lists the Actuate BIRT iServer server processes.

Table G-4 Server processes

Server process	Description
Caching process	Manages the information object cache database, saving the data an information object retrieves to enable using cached data instead of repeatedly accessing a data source

(continues)

Table G-4 Server processes (continued)

Server process	Description
Encyclopedia process	Manages the files, folders, groups, roles, and users in an Encyclopedia volume and the related functionality of that Encyclopedia volume
Factory process	Generates output from an report object executable (.rox) file or information object
Integration process	Runs information object jobs by transforming an Actuate SQL query into the native query language for one or more data sources, transmitting the request, and receiving a response, and uses the Caching process as needed
Java factory process	Generates output from a BIRT or spreadsheet report executable file
Java view process	Renders BIRT and spreadsheet reports to various formats, such as Dynamic HyperText Markup Language (DHTML), Excel, PDF, PostScript, and PowerPoint
Open data access (ODA) server process	Executes queries for information objects that use open data access (ODA) data sources
View process	Renders Actuate Basic reports to various formats, such as DHTML, Excel, PDF, PowerPoint, and RTF

Related terms
Actuate BIRT iServer, Actuate BIRT iServer System, Actuate BIRT technology, Actuate SQL, data, data source, database, Dynamic HyperText Markup Language (DHTML), Encyclopedia volume, information object, Java, job, open data access (ODA), process, query, report, report executable file, report object executable (.rox) file, request, response, run, security role, spreadsheet report

Contrast with
server service

server service

A configurable part of the Actuate BIRT iServer System framework that controls one or more server processes that provide Caching, Encyclopedia, Factory, Integration, or View functionality. For example, the View service controls the View and Java view processes. The Message Distribution service routes BIRT iServer System messages to the other services. Table G-5 lists the server services.

Table G-5 Server services

Server service	Description
Caching service	Manages one or more Caching processes

Table G-5 Server services

Server service	Description
Encyclopedia service	Manages one or more Encyclopedia processes
Factory service	Manages one or more Factory and Java factory processes
Integration service	Manages one or more Integration processes
Message Distribution service	Manages inbound requests from applications and directs the requests to the appropriate service
View service	Manages one or more View and Java view processes

Related terms
Actuate BIRT iServer, application, factory, framework, Java, request, server processes

service

A persistent program running in the background of an operating system that performs a specific task, such as a web service. A service typically starts automatically when the operating system boots or is called by a program, and requires no user interaction.

Related term
web service

Contrast with
process, server processes, server service

servlet

A small Java application running on a web server that extends the server's functionality. The servlet usually displays a dynamically generated web page in a browser and interacts with the client.

Related terms
application, client/server, Java, run, web page, web server

share

The ability to grant access and any of a set of privileges to a dashboard, file, folder, or gadget in an Encyclopedia volume.

Related terms
dashboard, Encyclopedia volume, gadget design (.gadget) file, privilege

Contrast with
file types

shared library

A library of routines loaded and linked into an application at run time in the UNIX and Linux environments. These routines can be called from an Actuate Basic or BIRT report. Actuate BIRT iServer System also uses shared libraries for Actuate Report Server Security Extension (RSSE), drivers for third-party products, and logging.

Related terms
Actuate Basic report, Actuate BIRT iServer System, Actuate BIRT technology, Actuate Report Server Security Extension (RSSE), application, driver, library, run time

Contrast with
dynamic link library (DLL)

Simple API for XML (SAX)

An application programming interface (API) for accessing the contents of an Extensible Markup Language (XML) document. SAX scans the document sequentially and presents each item to the application only once. If the application does not save the data, that data is no longer available.

Related terms
application, application programming interface (API), data, Extensible Markup Language (XML)

Contrast with
document object model (DOM)

Simple Object Access Protocol (SOAP)

A message-based protocol using Extensible Markup Language (XML). Use SOAP to access applications and their services on the web. SOAP employs XML syntax to send text commands across the internet using Hypertext Transfer Protocol (HTTP).

Related terms
application, Extensible Markup Language (XML), HyperText Transfer Protocol (HTTP), protocol, syntax

Single data type

An Actuate Basic data type that stores single-precision floating point numbers, ranging in value from -1.797693134862315E308 to -2.23E-308 for negative values and from 2.23E-308 to 1.797693134862315E308 for positive values and zero.

Related terms
Actuate Basic, data type, value

Contrast with
Double data type

single sign on

A mechanism that allows a user to log in to multiple systems in a single operation rather than logging in to each system separately. For example, a user provides his log-in credentials once to Information Console to access a report residing on Actuate BIRT iServer, which uses an Actuate information object to obtain information from any data source.

Related terms
Actuate BIRT iServer, Actuate Information Console, data source, information object, report

Six Sigma A methodology for minimizing mistakes and maximizing organizational performance. This methodology works on two fundamental levels: managerial and technical.

Related term
performance

Contrast with
Balanced Scorecard

slot **1** In BIRT technology, a construct that represents a set of ROM elements contained in another ROM element. For example, the body slot of the report design element can contain one or more of any type of report item. Figure G-119 shows a body slot.

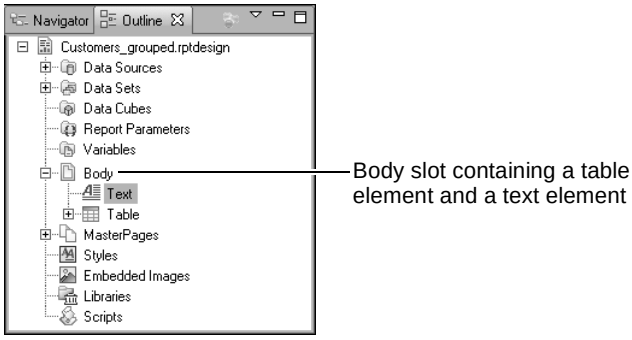


Figure G-119 Body slot containing report items

2 In e.Report Designer Professional, a visual target in Report Structure that represents a component reference property. A slot indicates where a report designer can place a component. Figure G-120 shows empty and filled slots.

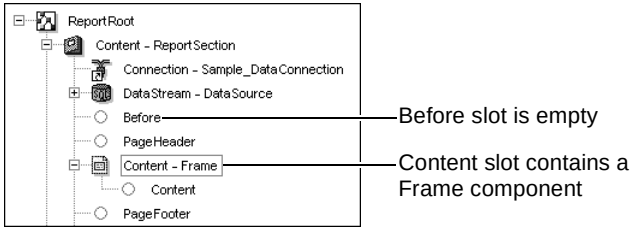


Figure G-120 Empty and filled slots in a report structure

Related terms
Actuate e.Report Designer Professional, Business Intelligence and Reporting Tools (BIRT) technology, component, component reference property, design, frame, property, report, report element, report item, Report Object Model (ROM) element, Report Structure window

SMA See data source map (.sma) file

SmartSearch

See search.

SmartSheets

See Actuate BIRT SmartSheet Security option.

SOAP See Simple Object Access Protocol (SOAP).

SOD See spreadsheet object design (.sod) file.

SOI See spreadsheet object instance (.soi) file.

sort To specify the order in which data is processed or displayed. For example, customer names can be sorted in alphabetical order.

Related term
data

Contrast with
sort key

sort filter In Actuate Basic technology, a type of data filter that sorts data rows for another data adapter.

Related terms
Actuate Basic technology, data adapter, data filter, data row

sort key An expression used to sort data. For example, if you sort data by country, the country field is a sort key. You can sort data using one or more sort keys.

Related terms
data, expression, field, sort

SOX See spreadsheet object executable (.sox) file.

spreadsheet

See spreadsheet report or worksheet.

spreadsheet object design (.sod) file

A file containing a spreadsheet report design. A spreadsheet report developer uses BIRT Spreadsheet Designer to produce a spreadsheet object design file.

Related terms
Actuate BIRT Spreadsheet Designer, design, spreadsheet report

Contrast with
Actuate BIRT Spreadsheet Engine, file types, spreadsheet object executable (.sox) file

spreadsheet object executable (.sox) file

A compressed file that contains a single spreadsheet file, either a spreadsheet object design (.sod) file or a Microsoft Excel (.xls) file, and other files, such as

properties files and VBA template files used in a spreadsheet report design. Spreadsheet object executable files output spreadsheet reports as Microsoft Excel (.xls) files when published and run on Actuate BIRT iServer System having BIRT spreadsheet option enabled.

Related terms
Actuate BIRT iServer System, Actuate BIRT Spreadsheet Designer, Actuate BIRT Spreadsheet option, design, file types, publish, report, run, spreadsheet object design (.sod) file, spreadsheet report, VBA template

spreadsheet object instance

In BIRT spreadsheet technology, the data and formatting that represents a particular report.

Related terms
Actuate BIRT Spreadsheet technology, data, format, report

Contrast with
spreadsheet object instance (.soi) file

spreadsheet object instance (.soi) file

In BIRT spreadsheet technology, a file that contains a viewable spreadsheet report.

Related terms
Actuate BIRT Spreadsheet technology, spreadsheet report

Contrast with
file types, spreadsheet object instance

spreadsheet report

A report document created using BIRT spreadsheet technology that contains formatted and structured content. Typically, a user views a spreadsheet report as a Microsoft Excel spreadsheet. Figure G-121 shows a spreadsheet report.

	A	B	C	D	E	F	G
1	1900						
2		Controller					
3			description	itemcode	quantity	pricequote	
4			32 bit Programmable Controller with LCD Driver	MP1632x	13	221	
5			32 bit Programmable, Embedded Controller, 3.3v	MPL1632	13	303	
6			4 bit Programmable, Embedded Controller	MP1604	13	21	
7			8 bit Programmable Controller with 4M Static Ram	MP1608s	13	69	
8			8 bit Programmable Controller with LCD Driver	MP1608x	13	48	
9					65	$662	
10							
11		Driver					
12			description	itemcode	quantity	pricequote	
13			32 bit Programmable Video Graphics Driver, 3.3v	MVL1632	13	150	
14			64 bit Programmable Video Graphics Driver, 3.3v	MVL1664	13	320	

Figure G-121 Spreadsheet report

Related terms
Actuate BIRT Spreadsheet technology, format, report document, structured content

Contrast with
DHTML report, report, XML report

SQL (Structured Query Language)

A language used to access and process data in a relational database.

Related terms
data, database, query

Contrast with
SQL page, SQL SELECT statement

SQL page

A page in a query editor that displays the SQL SELECT statement. For example, Figure G-122 shows the query editor in e.Report Designer Professional.

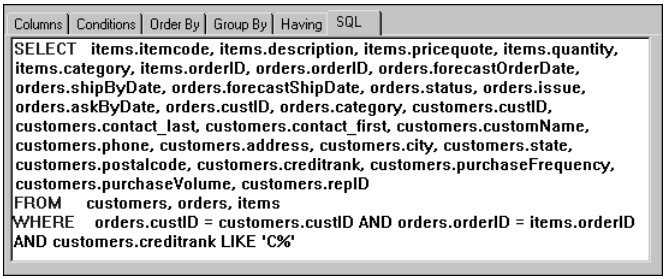


Figure G-122 SQL page in the e.Report Designer Professional query editor

Related terms
Actuate e.Report Designer Professional, page, query editor, SQL SELECT statement

Contrast with
Structured Query Language (SQL)

SQL SELECT statement

A query statement in SQL (Structured Query Language) that provides instructions about the data to retrieve from a database. For example, the following SQL query accesses a database's customers table and retrieves the customer name and credit rank values where the credit rank is less than or equal to B. The SQL query then sorts the values by credit rank and customer name.

```
SELECT   customers.customName, customers.creditrank
FROM     customers
WHERE    customers.creditrank <= 'B'
ORDER BY customers.creditrank, customers.customName
```

Related terms
data, database, query, report, sort, SQL (Structured Query Language), statement, table

Contrast with
query editor, SQL page

state The set of information about a client, database, or object that is relevant to an application. For example, in web applications, the client state can include information such as the pages the client has visited, any identification that the user has provided, the items the user has selected on earlier forms, and various preferences that the user expressed. Storing and accessing the client state supports continuity in web applications when users move between pages.

Related terms
application, database, object, page

Contrast with
instance variable

statement

1. A syntactically complete unit in a programming language that expresses one action, declaration, or definition. To continue a statement on another line, Actuate Basic uses a plus sign (+) as the first character of the next line.
2. In Actuate Basic technology, an object that provides a way to execute SQL (Structured Query Language) statements. The relevant Actuate Foundation Class is AcDBStatement.

Related terms
Actuate Basic, Actuate Basic technology, Actuate Foundation Class (AFC), character, declaration, object, SQL (Structured Query Language)

Contrast with
SQL SELECT statement

static control

In an Actuate Basic report design, a component that does not display data from a data source. For example, images, labels, and lines are static controls. For these controls, the relevant Actuate Foundation Classes are AcImageControl, AcLabelControl, and AcLineControl. Figure G-123 shows the icons for the image, label, and line static controls.

Figure G-123 Static controls

Related terms
Actuate Basic report, Actuate Foundation Class (AFC), component, control, data, data source, design, image, image control, label control, line control

Contrast with
data control

static hyperlink

A link to an existing location in a file or web document.

Contrast with
dynamic hyperlink, hyperlink, variable hyperlink

static parameter

A variable for which an end user can set an initial value when generating a report. The parameter value affects the report output. For example, if the value of a Summary parameter is True, then the report is a summary. If the value is False, then the report shows all the details. A report design can also use a static parameter to filter data rows returned by the data source. In this use, the value must match the syntax required by the data source's query language and must not contain Query by Example (QBE) syntax. In an Actuate Basic report design, a static parameter is a global variable, defined using Parameter Editor. In a spreadsheet report design, a report developer defines a static parameter using Data Explorer.

Related terms
Actuate Basic report, data row, data source, design, filter, global variable, parameter, parameter editor, query, Query by Example (QBE), report, spreadsheet report, syntax, value, variable

static variable

In Actuate Basic, a variable shared by all instances of a class and its descendant classes. In Java, a static variable is known as a class variable. The compiler specifies the memory allocation for a static variable. The program receives the memory allocation for a static variable as the program loads.

Related terms
Actuate Basic, class, class variable, descendant class, Java, variable

stored procedure

A named set of one or more SQL (Structured Query Language) queries that is stored in a database and can be called from an application.

Related terms
application, database, query, SQL (Structured Query Language)

stored procedure browser

A window that lists the names of available stored procedures. For example, in e.Report Designer Professional, use the Stored Procedure Data Source Builder to access the stored procedure browser.

Related terms
Actuate e.Report Designer Professional, stored procedure, Stored Procedure Data Source Builder

Stored Procedure Data Source Builder

In e.Report Designer Professional, a tool that builds a data source using a stored procedure from a database.

Related terms
Actuate e.Report Designer Professional, data source, database, stored procedure

Contrast with
stored procedure browser

string An array of characters.

Related terms
array, character

String data type

A data type that consists of a sequence of contiguous characters including letters, numerals, punctuation marks, and spaces. In Actuate Basic technology, variable-length strings can contain up to approximately 2,147,283,647 characters or up to your computer's memory limit.

Related terms
Actuate Basic technology, character, data type, string

Contrast with
string expression

string data type

In BIRT technology, a data type that consists of a sequence of contiguous characters including letters, numerals, punctuation marks, and spaces.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, character, data type

Contrast with
string expression

string expression

An expression that evaluates to a series of contiguous characters. Parts of the expression can include a function that returns a string, a string constant, a string literal, a string operator, or a string variable. For example, "abc"+"def" is a string expression that evaluates to "abcdef".

Related terms
character, constant, expression, function, operator, string, variable

Contrast with
String data type

structural component

In Actuate Basic technology, a component that controls how the report is organized. In e.Report Designer Professional, a structural component is visible in Report Structure but not in the layout editor or in the final report. An example of a structural component is a sequential section.

Related terms
Actuate Basic technology, Actuate e.Report Designer Professional, component, layout editor, report, Report Structure window, sequential section

Contrast with
visual component

structural relationship

In Actuate Basic technology, a relationship in which one component references another component. In e.Report Designer Professional, Report Structure displays structural relationships. For example, a frame references the controls contained within it.

Related terms
Actuate Basic technology, Actuate e.Report Designer Professional, component, control, frame, Report Structure window

structured content

A formatted document that displays information from one or more data sources.

Related terms
data source, format

Contrast with
report

Structured Query Language (SQL)

See SQL (Structured Query Language).

study chart

In a report or spreadsheet report, the part of a chart that appears below the base chart. A study chart uses a different set of axes from the base chart and typically displays different types of data.

Related terms
base chart, chart, data, report, spreadsheet report

Contrast with
dual y-axis chart

style A named set of formatting characteristics, such as alignment, borders, color, and font that report developers apply to a component or report item to control its appearance.

Related terms
component, font, format, report, report item

Contrast with
cascading style sheet (CSS)

style sheet

See cascading style sheet (CSS).

subclass A class that is the immediate descendant class of another class. When you change the original class, the unmodified properties of the subclass also change. A change to the subclass does not affect the original class. For example, the Project browser window in e.Report Designer Professional displays the class relationships as shown in Figure G-124.

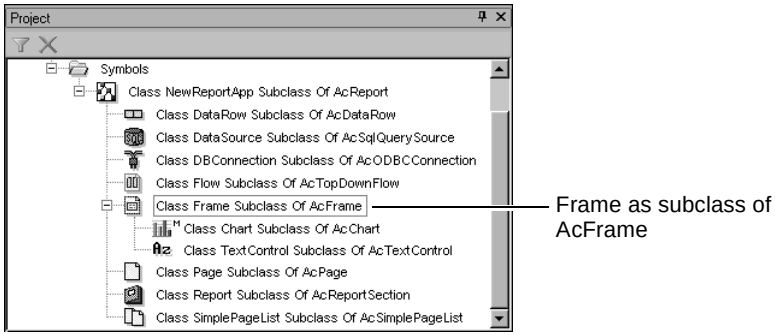


Figure G-124 Subclass

Related terms
Actuate e.Report Designer Professional, class, descendant class, Project browser, property, subclass

Contrast with
ancestor class, base class, reference, superclass

Subpage A component reference property that identifies the components of a page associated with a section. In e.Report Designer Professional, Subpage is a slot in the Report Structure window and the layout editor. The relevant Actuate Foundation Class is AcSubPage. Figure G-125 shows a Subpage slot in the Report Structure window.

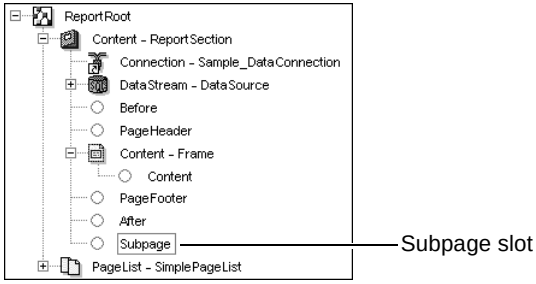


Figure G-125 Subpage slot

Related terms
Actuate e.Report Designer Professional, Actuate Foundation Class (AFC), component, component reference property, layout editor, page, Report Structure window, section, slot

subpage In an Actuate Basic report design, a component specifying the layout of a page associated with a section. The relevant Actuate Foundation Class is AcSubPage. Figure G-126 shows a subpage component in the Report Structure window.

Related terms
Actuate Basic report, Actuate Foundation Class (AFC), component, design, page, Report Structure window, section

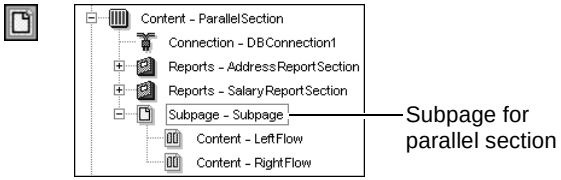


Figure G-126 Subpage component

subreport An item using data from a different data set or data source from other items in a report design. An outer report can contain multiple subreports, also called nested reports. In this case, the subreports typically use data values from the outer report to filter data rows for display. Alternatively, multiple independent subreports exist at the same level in the report design. In an Actuate Basic report design, a subreport is a report section placed inside another section. The relevant Actuate Foundation Class is AcReportSection. For example, Figure G-127 shows subreports in a parallel section.

Figure G-127 Subreports in a parallel section

Related terms
Actuate Basic report, Actuate Foundation Class (AFC), data, data set, data source, design, filter, parallel section, report, report section, section, value

subroutine

A sequence of instructions defined as a separate unit within a program, allowing the unit to be invoked anywhere in the program simply by including its name as one of the instructions. Subroutines are similar to functions, except they have no return value.

Related terms
function, value

subscribe A process to share information.

- In Information Console, a process that supports notification of users that a particular report is available for viewing. To receive notifications of reports that are viewable in a web browser, a user subscribes to a channel. You also can subscribe users to channels on the Users page of Management Console by accessing and modifying subscription information for a specific user account.
- In BIRT 360, the action of selecting a shared dashboard from a gallery.

Related terms
channel, dashboard, Information Console, Management Console, process, notification, report

Contrast with
unsubscribe

Super A keyword that accesses a method in a superclass. Super searches progressively until it finds the method.

Related terms
keyword, method, superclass

Contrast with
class

superclass

The immediate ancestor class. For example, the Project browser in e.Report Designer Professional shows the superclass of each class in a report design, as shown in Figure G-128.

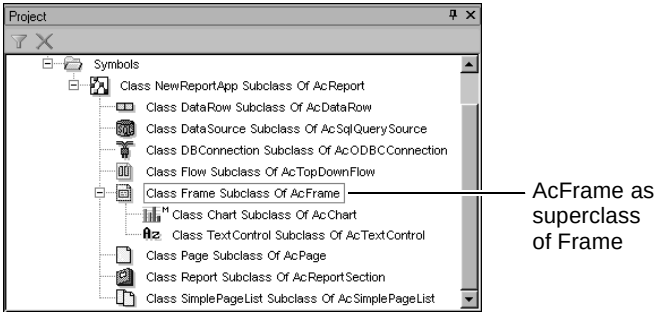


Figure G-128 Superclass

Related terms
Actuate e.Report Designer Professional, ancestor class, class, design, Project browser, report

Contrast with
descendant class, subclass

symbol A name that represents an entity. A symbol is unique in a scope. In e.Report Designer Professional, the Project browser shows the symbols used in a report design. For example, a symbol can be the name of a class or variable.

Related terms
Actuate e.Report Designer Professional, class, design, Project browser, report, scope, variable

synchronous

For Actuate BIRT iServer System, a job type or resource group that executes reports as soon as possible. Priorities cannot be set on a synchronous job type.

Related terms
Actuate BIRT iServer System, Actuate resource group, job, report

Contrast with
asynchronous

syntax The rules that govern the structure of a language.

System Administration console

See Configuration Console.

tab

The label above or below a page in a window that contains multiple pages. Figure G-129 shows tabs that access different pages in the Properties window.

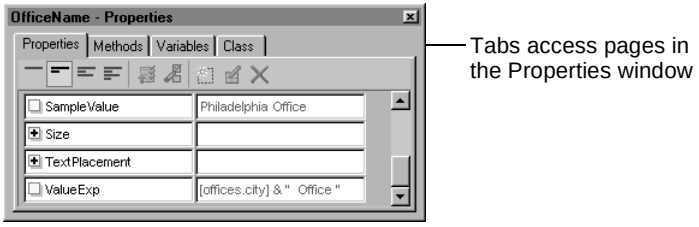


Figure G-129 Tabs in the Properties window

Related terms
page, Properties window

Contrast with
label control

table

A named set of columns in a relational database. Figure G-130 shows tables in the query editor in e.Report Designer Professional.

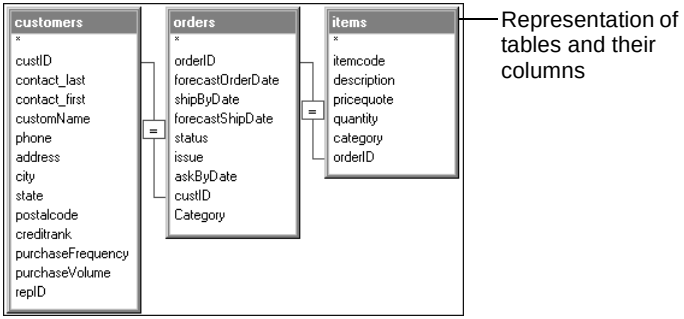


Figure G-130 Tables in the graphical query editor

Related terms
Actuate e.Report Designer Professional, column, database, query editor

Contrast with
table element

table element

In BIRT technology, a report item that contains and displays data in a row and column layout. The table element iterates through the data rows in a data set. Figure G-131 shows a table element.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, column, data, data row, data set, layout, report item, row

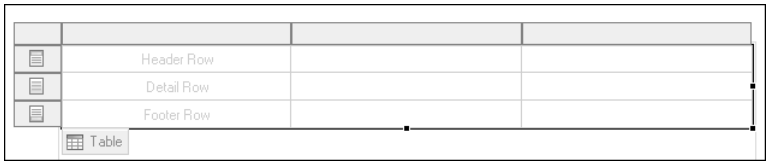


Figure G-131 Table element

Contrast with
grid element, list element, table

table of contents

A hyperlinked outline of report contents.

Related terms
hyperlink, report

tag

1. An element in a markup language that identifies how to process a part of a document.
2. In Actuate Basic technology, a property that contains a number or name that identifies a flow. In e.Report Designer Professional, the report developer assigns the same identifier to a flow and to a report section so that the report section prints or displays in the specified flow.

Related terms
Actuate Basic technology, Actuate e.Report Designer Professional, element, flow, property, report, report section

Contrast with
Extensible Markup Language (XML)

template

1. In Actuate BIRT iServer, a customizable file that contains the format for e-mail messages for e-mail notification.
2. In e.Report Designer Professional, a predefined structure for a report design. A template must be a report object design (.rod) file.
3. In BIRT technology, a predefined structure for a report design. A report developer uses a report template to maintain a consistent style across a set of report designs and to streamline the report design process. A report template is a model for a complete report or a component of a report. Actuate BIRT provides standard templates and supports custom templates.

   In Figure G-132, New Report displays the available templates and Preview displays a representation of the report layout for the selected My First Report, a customer-listing report template.

Related terms
Actuate BIRT iServer, Actuate e.Report Designer Professional, Business Intelligence and Reporting Tools (BIRT) technology, design, format, layout, listing report, notification, report, report object design (.rod) file, spreadsheet report, style

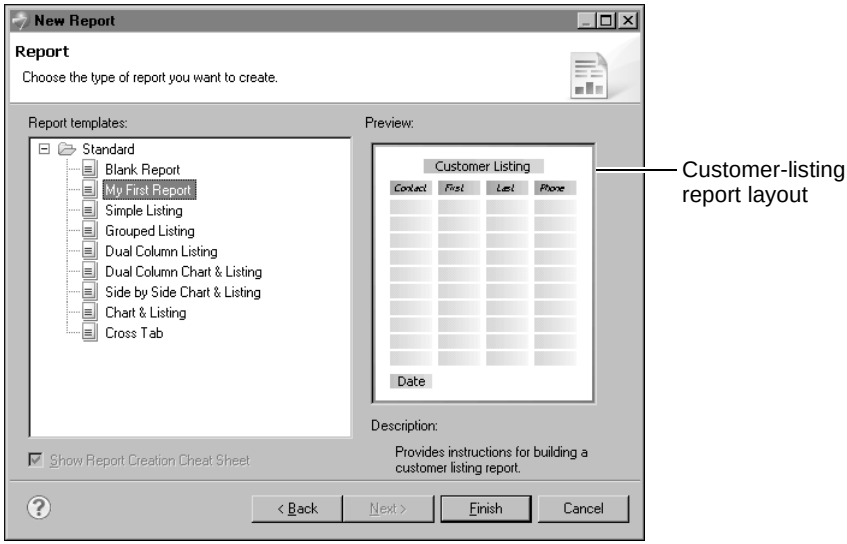


Figure G-132 Templates available for a new BIRT report design

Contrast with
report template (.rpttemplate) file

temporary report

A report document that is temporarily available and is not stored in an Encyclopedia volume. This report, which is unscheduled, is visible only to the user requesting the report. These reports are also called transient reports.

Related terms
Encyclopedia volume, report, report document, request

text control

In an Actate Basic report design, a component that displays textual data in a report. For example, a text control can display customer names. A text control must be in a flow, frame, or page. The relevant Actuate Foundation Class is AcTextControl. Figure G-133 shows text controls in a frame in the layout editor.

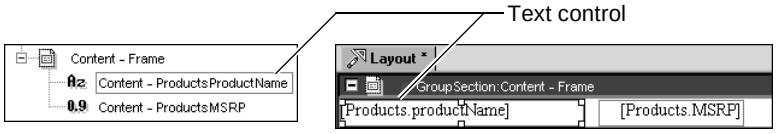


Figure G-133 Text controls

Related terms
Actuate Basic report, Actuate Foundation Class (AFC), component, control, data, design, flow, frame, layout editor, page, report

Contrast with
data control, label control

text element

In BIRT technology, a report item that displays user-specified text. The text can span multiple lines and can contain HyperText Markup Language (HTML) formatting and dynamic values derived from data set fields or expressions.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, data set, expression, field, format, HyperText Markup Language (HTML), report item, value

Contrast with
data element, dynamic text element, label element

textual query editor (TQE)

A textual tool used to write a SQL SELECT statement.

Related term
SQL SELECT statement

Contrast with
query editor

theme

In BIRT technology, a set of related styles stored in a library (.rptlibrary) file. A theme provides a preferred appearance for the report items in a report design. A library file can store multiple themes. A report design can use styles from a single theme as well as styles defined in the report design itself.

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, design, library (.rptlibrary) file, report, report item, style

Contrast with
cascading style sheet (CSS)

three-dimensional range

In BIRT Spreadsheet Designer, a range that spans different worksheets. This range includes the same rows and columns on those multiple worksheets. The range must be within the same workbook.

Related terms
Actuate BIRT Spreadsheet Designer, column, range, row, workbook, worksheet

tick

A marker that occurs at regular intervals along the *x*- or *y*-axis of a chart. Typically, the value of each tick appears on the axis.

Related terms
chart, value

Contrast with
grid, tick interval

tick interval

The distance between ticks on an axis. Figure G-134 shows a tick interval in a chart.

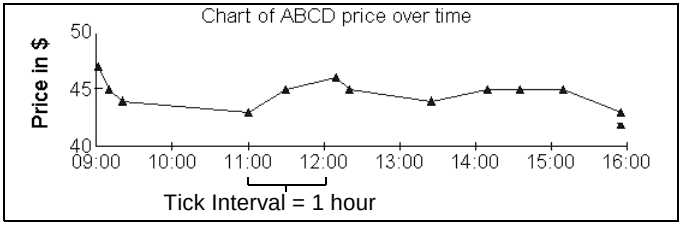


Figure G-134 Chart displaying multiple tick intervals

Related terms
chart, tick

Time data type

A Java data type used to represent time values in SQL (Structured Query Language) statements. The Time data type stores a time value as hour:minute:second.millisecond.

Related terms
data type, Java, statement, Structured Query Language (SQL), value

Contrast with
Date data type, Timestamp data type

Timestamp data type

An Actuate SQL (Structured Query Language) or Java data type used to represent date-and-time values in SQL statements. The Timestamp data type stores a combined date and time (hour:minute:second.millisecond), for example:

```
TIMESTAMP '2009-02-03 12:11:10.136'
```

Related terms
Actuate SQL, data type, Java, statement, Structured Query Language (SQL), value

Contrast with
Date data type, Time data type

toolbar

A user interface component that provides access to common tasks. Different toolbars are available for different kinds of tasks. The Viewer toolbar in Figure G-135 is from e.Report Designer Professional.

Figure G-135 e.Report Designer Professional Viewer toolbar

Related terms
Actuate e.Report Designer Professional, interface

toolbox

In e.Report Designer Professional, a graphical representation of a set of components that represent specific classes available to create a report object design. The toolbox groups classes by functionality: Controls, Data, Drawing and Graphics, Pages, and Structure. Users can add additional tools and modify the toolbox. Figure G-136 shows the toolbox and the tools that it contains.

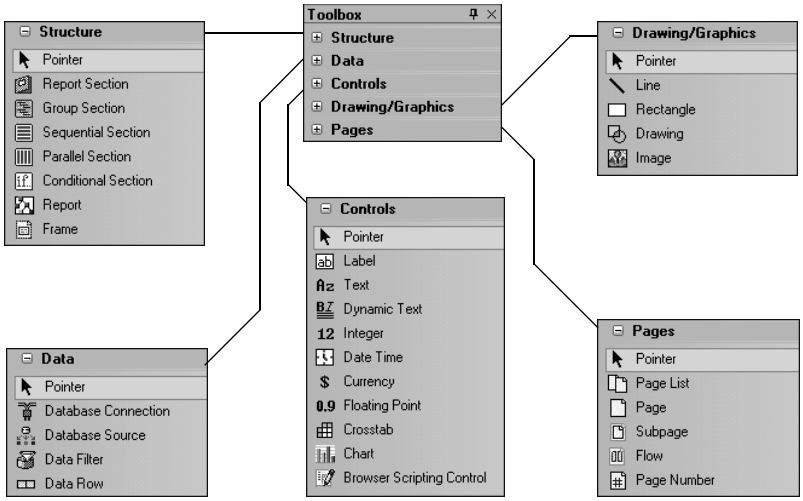


Figure G-136 Toolbox

Related terms
Actuate e.Report Designer Professional, class, component, report object design

Track See Actuate Performancesoft Track.

transaction

A series of data change operations treated as a unit of work. If one operation fails, none of the operations in the transaction take effect. The system rolls all the work back, leaving the system in the state it was in just prior to the execution of the transaction operation. Actuate BIRT iServer supports transaction processing to protect data integrity.

Related terms
Actuate BIRT iServer, state

transient job

A unscheduled job initiated by a request from Actuate BIRT iServer System or Information Console that produces a temporary report document.

Related terms
Actuate BIRT iServer System, Information Console, job, request, temporary report

Contrast with
persistent object

transient object

An object that performs specialized tasks during report generation. For example, transient objects exist while an Actuate Basic report generates, but are not saved to the report file and do not appear when the report is viewed or printed. For example, connections and data rows are transient objects.

Related terms
Actuate Basic report, connection, data row, object, report

Contrast with
persistent object, report object instance (.roi) file, temporary report

transient report

See temporary report.

translator See converter.

trusted execute privilege

See privilege.

twip A unit of screen measurement equal to 1/20 of a printer's point. There are approximately 1,440 twips in an inch or 567 twips in a centimeter.

type See data type and semantic type.

type declaration character

A character appended to a variable name to specify the variable's data type. For example, Table G-6 lists the type declaration characters in Actuate Basic.

Table G-6 Type declaration characters

Character	Data type
%	Integer
&	Long
!	Single
#	Double
@	Currency
$	String

Related terms
Actuate Basic, character, Currency data type, data type, Double data type, Integer data type, Long data type, Single data type, string, String data type, variable

Contrast with
semantic type

Unicode A living language standard managed by the Technical Committee of the Unicode Consortium. The current Unicode standard provides code points for more than 65,000 characters. Unicode encoding has no dependency on a platform or software program and thus provides a basis for software internationalization.

Related terms
character, code point, internationalization

Uniform Resource Locator (URL)

A character string that identifies the location and type of a piece of information that is accessible over the web. http:// is the indicator that an item is accessible over the web. The URL typically includes the domain name, type of organization, and a precise location within the directory structure where the item is located.

Related terms
character, domain name, HyperText Transfer Protocol (HTTP), string

Contrast with
Universal Resource Identifier (URI)

unique ID An identifier for a persistent object that distinguishes it from all other objects.

Related terms
object, persistent object

Contrast with
transient object

universal hyperlink

See hyperlink.

Universal Resource Identifier (URI)

A set of names and addresses in the form of short strings that identify resources on the web. Resources are items such as documents, downloadable files, and images.

Related term
image

Contrast with
Uniform Resource Locator (URL), string

unsubscribe

A process by which users remove themselves from a list of recipients of specified reports or types of reports or channels. Information Console supports subscribe and unsubscribe capabilities.

Related terms
channel, Information Console, report, subscribe

URI See Universal Resource Identifier (URI).

URL See Uniform Resource Locator (URL).

URL request

A web address that contains directives for Information Console, including Actuate BIRT Studio.

Related terms
Actuate BIRT Studio, directive, Information Console

Contrast with
Uniform Resource Locator (URL)

usage log The Actuate BIRT iServer System usage log stores either standard or detailed information about user activity. You can choose to log different types of activities and to record either standard or detailed information. The Actuate usage logging extension creates an entry for administration, data integration, report deletion, report generation, report printing, and report viewing activities.

Related terms
Actuate BIRT iServer System, extension

Contrast with
error log

user name

A name that identifies a user of a resource on a computer system. For example, Management Console supports user names having the following characteristics: having up to 256 characters that are not control characters, not being case-sensitive, and optionally using space characters.

Related terms
case sensitivity, character, Management Console

user-defined data type

A data type defined by a programmer, not built in to the programming language. User-defined types are classes, structures, and type definitions assembled from built-in data types, such as numbers and characters.

Related terms
character, class, data type

Contrast with
semantic type

value

1. The content of a constant, parameter, symbol, or variable.
2. A specific occurrence of an attribute. For example, blue is a possible value for an attribute color.

Related terms
attribute, constant, parameter, symbol, variable

Varchar data type

An Actuate SQL data type used for string calculations. The Varchar data type stores a sequence of Unicode characters. The Varchar data type supports specifying a maximum character length for the string.

Related terms
Actuate SQL, character, data type, string, Unicode

variable A named storage location for data that a program can modify. Each variable has a unique name that identifies it within its scope and contains a certain type of data.

Related terms
data, data type, scope

Contrast with
class variable, dynamic variable, field variable, global variable, instance variable, local variable, member variable, object reference variable, static variable

variable hyperlink

In a spreadsheet report design, a hyperlink that can change to reflect report data. When report developers add a variable hyperlink to a cell, they can include dynamic field and parameter information. For example, a variable hyperlink can be used to create a link that generates an e-mail address for each client.

Related terms
cell, data, design, field, hyperlink, parameter, report, spreadsheet report

Contrast with
static hyperlink

Variables page

In e.Report Designer Professional, a page in the Properties window that lists the variables of a component. This page supports adding new variables and creating parameters. Figure G-137 shows a Variables page.

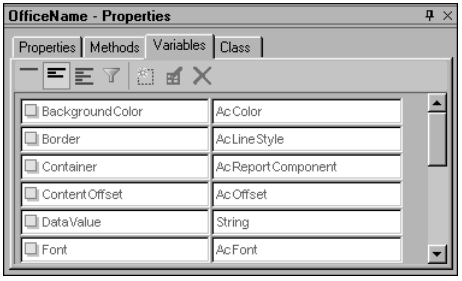


Figure G-137 Variables page

Related terms
Actuate e.Report Designer Professional, component, page, parameter, Properties window, property, variable

Contrast with
Class page, Methods page, Properties page

Variant data type

An Actuate Basic data type that holds data of any other type. Variants contain two pieces of information, a value and code indicating the value's type. Variant types can change dynamically when a report is running.

Related terms
Actuate Basic, data, data type, report, value

VBA template

In a spreadsheet report design, an Excel file that contains Visual Basic for Applications code to use with a published spreadsheet report.

Related terms
design, publish, spreadsheet report

VBScript (Visual Basic Script Edition)

A Microsoft Windows scripting engine. VBScript is a subset of the Visual Basic language with some added functionality. Internet Explorer, Active Server Pages, and Windows Script Host support VBScript as a scripting language. When used in Internet Explorer, VBScript processes code embedded in HyperText Markup Language (HTML). VBScript is similar in function to JavaScript. Stand-alone applications that were created using VBScript require Internet Explorer to run.

Related terms
Active Server Page (ASP), HyperText Markup Language (HTML), JavaScript, Visual Basic

view

1. A predefined query that retrieves data from one or more tables in a relational database. Unlike a table, a view does not store data. Users can use views to select, delete, insert, and update data. The database uses the definition of the view to determine the appropriate action on the underlying tables. For example, a database queries a view by combining the requested data from the underlying tables.
2. In Actuate Analytics Cube Viewer and Actuate e.Analysis, the display of data in a cube. One dimension appears on the vertical axis and another dimension appears on the horizontal axis.
3. A window that displays a preview of a report.

Related terms
Actuate Analytics Cube Viewer, Actuate e.Analysis, cube, data, database, dimension, query, report, table

Contrast with
Eclipse view, previewer

View process

See server processes.

View service

See server service.

view time

The period of time in which a user examines a report.

Related term
report

Contrast with
design time, run time

Viewer A tool that supports viewing a report.

Related term
report

Contrast with
Actuate BIRT Interactive Viewer, Actuate BIRT Viewer, DHTML Viewer, previewer

Views See Actuate BIRT Performance Scorecard.

virtual cell reference

In a spreadsheet report design, a cell in the report design that expands to include multiple data cells in the report.

Related terms
cell, data, design, report, spreadsheet report

Contrast with
absolute cell reference, external cell reference, relative cell reference

virtual defined name

See defined name.

visible privilege

See privilege.

Visual Basic

A programming language developed by Microsoft. Actuate Basic is compatible with Visual Basic 3.0 and has object-oriented extensions.

Related terms
Actuate Basic, extension, object-oriented programming

Visual Basic Script Edition

See VBScript (Visual Basic Script Edition).

visual component

In an Actuate Basic report design, a component, such as a control or a frame, that displays data or static graphic items in a report. In e.Report Designer Professional, a visual component appears in both the Report Structure window and the layout editor.

Related terms
Actuate Basic report, Actuate e.Report Designer Professional, component, control, data, design, frame, layout editor, report, Report Structure window

Contrast with
structural component

volume See Encyclopedia volume.

Volume Administration console

See Management Console.

VTF See spreadsheet object executable (.sox) file.

VTS See spreadsheet object design (.sod) file.

VTX See spreadsheet object design (.sod) file.

web archive (.war) file

A file format used to bundle web applications.

Related terms
application, format

Contrast with
file types, Java archive (.jar) file

web directive

A command used to generate content for a web page. The web page contains the directive. In some situations, a web directive can be a parameter used by a command. The web server executes the command when a user views the web page. For example, a command embedded in a Uniform Resource Locator (URL) can be passed by Information Console to Actuate BIRT iServer System. An example of such a command for Information Console:

```
http://localhost:8900/iportal/getjobdetails.do?jobID=1
   &serverURL=http://maximus:8000&volume=maximus
```

Related terms
Actuate BIRT iServer System, directive, Information Console, page, parameter, Uniform Resource Locator (URL), web page, web server

web page A HyperText Markup Language (HTML) page containing tags that a web browser interprets and displays.

Related terms
HyperText Markup Language (HTML), tag

Contrast with
page

web server

A computer or a program that provides web services on the internet. A web server accepts requests based on the HyperText Transfer Protocol (HTTP). A web server also executes server-side scripts, such as Active Server Pages (ASP) and JavaServer Pages (JSP).

Related terms
Active Server Page (ASP), HyperText Transfer Protocol (HTTP), JavaServer Page (JSP), request, web service

Contrast with
Web Services Description Language (WSDL)

web service

A software system designed to support interoperable machine-to-machine interaction over a network. Web service refers to a client and server that communicate using Extensible Markup Language (XML) messages adhering to the Simple Object Access Protocol (SOAP) standard. A web service is invoked remotely using SOAP or Hypertext Transfer Protocol (HTTP)-GET and HTTP-POST protocols. The web service returns a response to the client in XML format. Any operating system that supports the SOAP protocol and XML can build and consume a web service.

Related terms
client/server, Extensible Markup Language (XML), HyperText Transfer Protocol (HTTP), protocol, response, Simple Object Access Protocol (SOAP)

Contrast with
request, Web Services Description Language (WSDL)

web services application samples

Actuate iServer Integration Technology samples that provide reference implementations for the two supported Information Delivery API (IDAPI) environments, Apache Axis and Microsoft .NET. Each sample contains application examples that show how to build a client application that uses Simple Object Access Protocol (SOAP) messaging to communicate with Actuate BIRT iServer System to perform administration, report management, and other tasks on an Encyclopedia volume.

Related terms
Actuate BIRT iServer System, Actuate Information Delivery API (IDAPI), Actuate iServer Integration Technology, Apache Axis, application, client/server, Encyclopedia volume, Microsoft .NET, Simple Object Access Protocol (SOAP), web service

Web Services Description Language (WSDL)

An Extensible Markup Language (XML)-based language used to describe electronic business services and access to those services.

Related term
Extensible Markup Language (XML)

Contrast with
web service

well-formed XML

An Extensible Markup Language (XML) document that follows syntax rules established in the XML 1.0 recommendation. Well-formed means that a document must contain one or more elements and that the root element must contain all the

other elements. Each element must nest inside any enclosing elements, following the syntax rules.

Related terms
element, Extensible Markup Language (XML), syntax

wildcard A character used in a search or conditional expression that matches one or more literal characters. In Actuate Basic technology, wildcards include the ones listed in Table G-7.

Table G-7 Wildcards

Wildcard	Definition
?	Match any one character (1- or 2-byte character)
#	Match any ASCII numeric character [0–9]
*	Match any number of characters

Related terms
Actuate Basic technology, character, conditional expression, search expression

Word converter

A tool that converts a BIRT report to a Microsoft Word (.doc) file.

Related terms
Business Intelligence and Reporting Tools (BIRT), converter, report

workbench

See Eclipse Workbench.

workbook A spreadsheet object design (.sod) file that contains one or more worksheets.

Related terms
spreadsheet object design (.sod) file, worksheet

worksheet In BIRT spreadsheet technology, a document that supports storing and working with data. A worksheet is also called a spreadsheet. A worksheet consists of cells organized into columns and rows. A worksheet is stored in a workbook.

Related terms
Actuate BIRT Spreadsheet technology, cell, column, data, row, workbook

workspace

See Eclipse workspace.

World Wide Web Consortium (W3C)

An international standards body that provides recommendations regarding web standards. The World Wide Web Consortium publishes several levels of documents, including notes, working drafts, proposed recommendations, and

recommendations about web applications related to topics such as Extensible Markup Language (XML) and HyperText Markup Language (HTML).

Related terms
application, Extensible Markup Language (XML), HyperText Markup Language (HTML)

write privilege

See privilege.

WSDL

See Web Services Description Language (WSDL).

XML (Extensible Markup Language)

See Extensible Markup Language (XML).

XML converter

A tool that converts a report to an Extensible Markup Language (XML) file.

Related terms
converter, Extensible Markup Language (XML), report

XML data format

A data format produced by Actuate Basic technology.

Related terms
Actuate Basic technology, data, Extensible Markup Language (XML)

Contrast with
XML display format

XML data stream

1. Output generated by an Extensible Markup Language (XML) converter.
2. Input from an XML data source.

Related terms
converter, data source, Extensible Markup Language (XML), XML converter

Contrast with
data stream

XML display format

An Actuate Basic report format that encapsulates Extensible Markup Language (XML) data and XML display formatting.

Related terms
Actuate Basic report, data, Extensible Markup Language (XML), format

XML element

See element.

XML namespace

An identifier in an Extensible Markup Language (XML) message for element types and attribute names referenced by a Universal Resource Identifier (URI). The URI refers to the document that contains definitions for the element types and any attribute names.

For example:

```
xmlns="http://www.actuate.com/soap/2001/12/eReportSchema
   /ClusterAdministration"
```

Related terms
attribute, element, Extensible Markup Language (XML), Universal Resource Identifier (URI)

Contrast with
Unicode

XML PATH language (XPath)

XPath is a subset of Extensible Stylesheet Language Transformations (XSLT) that supports addressing an element or elements within an Extensible Markup Language (XML) document based on a path through the document hierarchy.

Related terms
element, Extensible Markup Language (XML), Extensible Stylesheet Language Transformations (XSLT)

XML report

A report in Extensible Markup Language (XML) display format generated from a report object instance (.roi) file.

Related terms
Extensible Markup Language (XML), report, report object instance (.roi) file, XML display format

Contrast with
DHTML report, spreadsheet report

XML schema

See schema.

XPath See XML PATH language (XPath).

XSL (Extensible Stylesheet Language)

See Extensible Stylesheet Language (XSL).

XSLT (Extensible Stylesheet Language Transformations)

See Extensible Stylesheet Language Transformations (XSLT).

Z-order The priority assigned to overlapping parts of a chart element, flash element, or a report. Parts having a higher Z-order hide parts having a lower Z-order.

1 The order in which a combination, multiple *y*-axis, or three-dimensional chart control or chart element displays the chart series. The example in Figure G-138 shows a bar series having a Z-order of 1 and area series having a Z-order of 0.

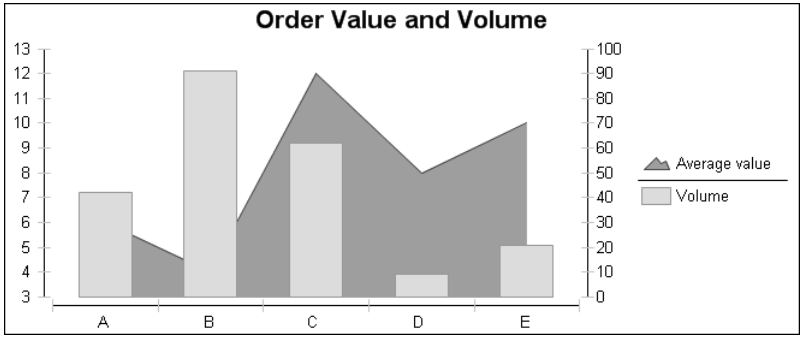


Figure G-138 Multiple *y*-axis chart having bar series in front of area series

2 In Actuate BIRT technology, the order of AddOns providing decoration to a flash element. For example, Figure G-139 shows a meter chart having a background of two rectangle AddOns. The smaller rectangle, having a higher Z-order than the larger rectangle, appears in front of the larger rectangle.

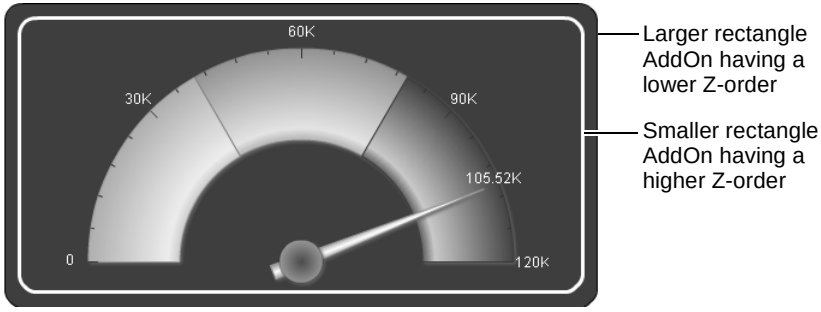


Figure G-139 Rectangle AddOns to a meter chart

3 The order in which an e.report stacks overlaid controls in the layout. For example, a label control having a higher Z-order than a rectangle control placed slightly below and to the right produces a shadow effect, as shown in Figure G-140.

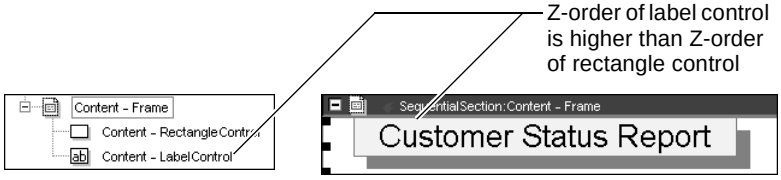


Figure G-140 Overlapping controls in a frame

Related terms

Actuate BIRT technology, chart control, chart element, combination chart, e.report, flash chart element, flash gadget element, frame, label control, layout, rectangle control, series

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