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

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
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 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, 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 IO Design perspective.

Related terms
Actuate Basic, Actuate Basic report, Actuate e.Analysis, Actuate e.Report Designer Professional, IO Design perspective

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 BIRT Chart Engine, BIRT Demo Database, IO Design perspective, and BIRT Report Engine.

Related terms
Actuate BIRT data object, 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, IO Design perspective, plug-in, publish, report, report document (.rptdocument) file

Contrast with
Actuate BIRT option, Actuate BIRT Studio

Actuate BIRT Information Designer

See IO Design perspective.

Actuate BIRT Information Object Designer

See IO Design perspective.

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 BIRT Spreadsheet technology, Actuate iServer Integration Technology, Business Intelligence and Reporting Tools (BIRT), cluster, cube report (.cvw) file, Encyclopedia volume, report, report document, request

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, 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, Actuate BIRT Spreadsheet technology, security role

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 BIRT 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
Actuate BIRT Spreadsheet technology, application

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, Actuate BIRT Spreadsheet technology, data, data source

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, Actuate BIRT Spreadsheet technology, application programming interface (API), library, run time

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), Java

Contrast with
Actuate BIRT Spreadsheet API, Actuate BIRT Spreadsheet option, Actuate BIRT Spreadsheet technology

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

Contrast with
Actuate BIRT Spreadsheet technology

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, 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.

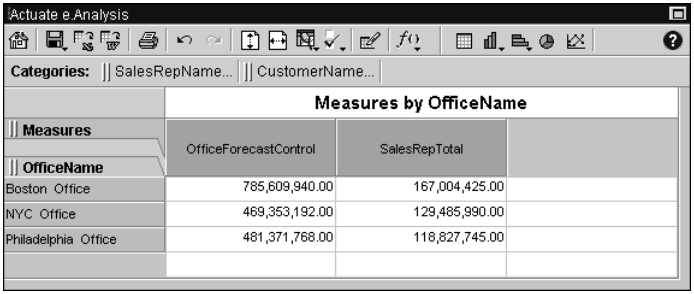


Figure G-2 The Actuate e.Analysis initial view

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, 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 IO Design perspective and Actuate iServer Integration and Caching services.

Related terms
information object, IO Design perspective, 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.

Related terms
Actuate Basic, Actuate Basic report, Actuate BIRT iServer, 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 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 IO Design perspective.

Actuate information object (.iob) file

See information object (.iob) file.

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)

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
```

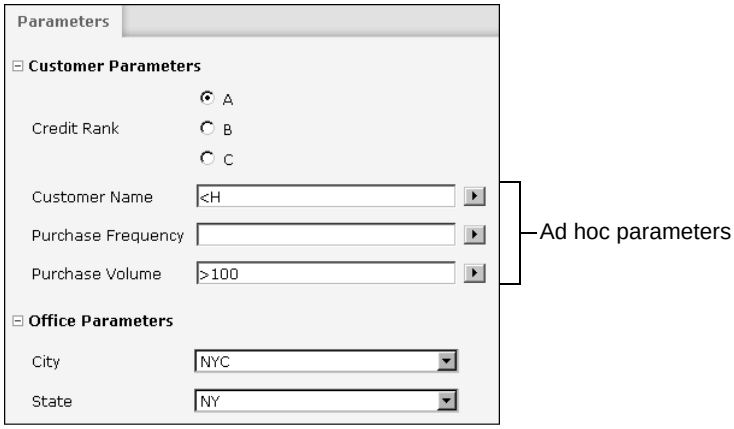


Figure G-3 Ad hoc parameters showing QBE syntax

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

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.

AFP

See IBM Advanced Function Printing (.afp) file.

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 a SQL SELECT statement, a name given to a database table or column.
2. 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
Business Intelligence and Reporting Tools (BIRT) technology, column, data set, database, expression, method, SQL SELECT statement, table

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
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,:

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

Related terms
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

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, uniform 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 data plotted on a second *y*-axis. Figure G-4 shows a base chart.

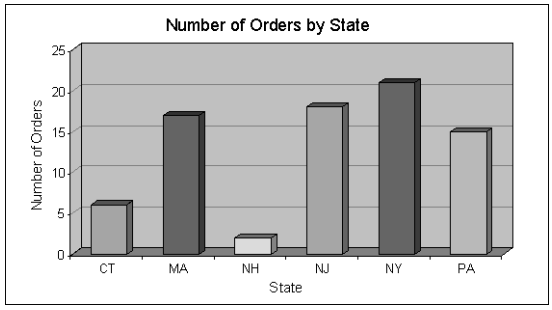


Figure G-4 Base chart

Related terms
chart, data

Contrast with
combination chart

base unit

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

Related term
chart

Contrast with
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

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 , 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, 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.

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

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.

cascading events

A sequence of events.

Related term
event

Contrast with
recursion

cascading parameters

In 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-5 shows cascading parameters as they appear to a report user.

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.

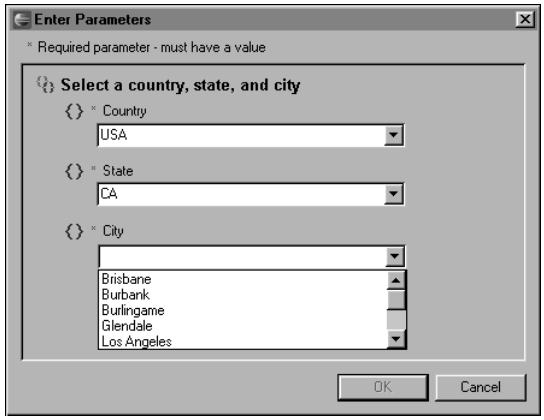


Figure G-5 Cascading parameters

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

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-6.

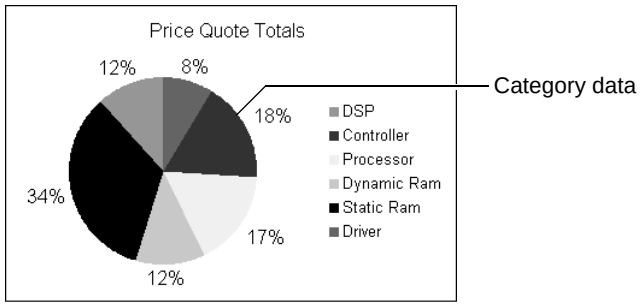


Figure G-6 Category data

Related terms
chart, data, hierarchy, value

Contrast with
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, or table element. Figure G-7 shows a cell.

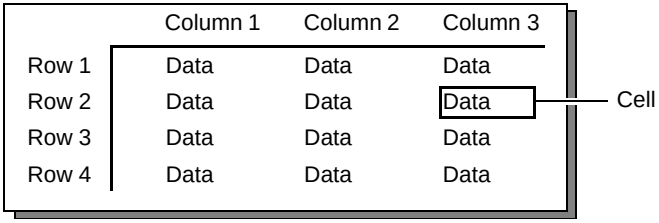


Figure G-7 Cells in a cross tab

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

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

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 element

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
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
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

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 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

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, 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

color chooser

A tool that specifies colors for parts of a report such as fonts, backgrounds, lines, and report element backgrounds. Figure G-8 shows the BIRT Designer Professional color chooser.

Related terms
Actuate BIRT Designer Professional, font, report, report element

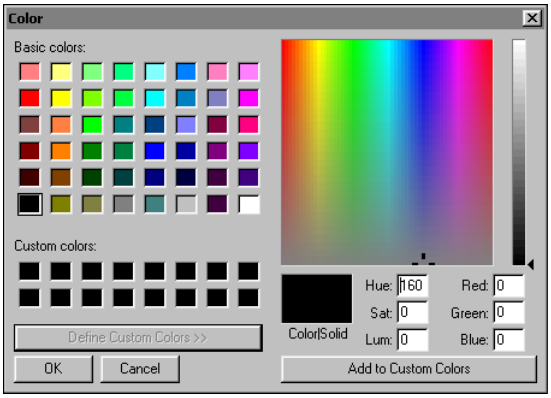


Figure G-8 Color chooser

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-9 shows the names of columns in database tables.

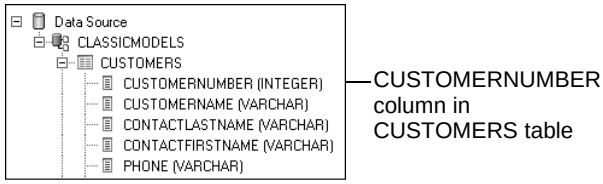


Figure G-9 Columns in database tables

2 A vertical sequence of cells in a cross tab, grid element, or table element. Figure G-10 shows a column in a cross tab.

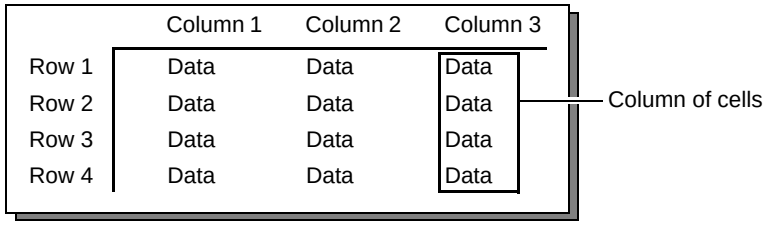


Figure G-10 Column in a cross tab

Related terms

cell, cross tab, data row, database, field, grid element, query, table, table element, value

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 key

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

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

Contrast with
row key

combination chart

In BIRT reports, a chart that represents multiple data series as different chart types in the same plot area. In Figure G-11, for example, the data series for 2004 appears as a line, which stands out as the year of highest annual revenue.

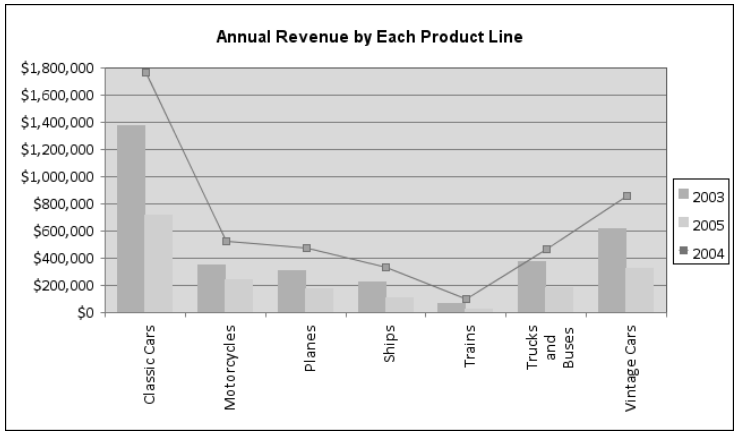


Figure G-11 Combination chart

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

Contrast with
base chart, chart element, Flash chart element, hyperchart

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, compiling translates a Java source code file into a bytecode (.class) file.
- In BIRT Designer Professional and the IO Design perspective, compiling translates data connection definition (.dcd) files, data source map (.sma) files, and 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 iServer Integration Technology, Basic source (.bas) file, data connection definition (.dcd) file, data source map (.sma) file, Information Delivery API, information object, information object (.iob) file, IO Design perspective, 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

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, Java, web archive (.war) file

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, 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. For example:

```
row["Sex"] == "M" ? "Male" : "Female"
```

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

conditional format

A format that applies to an element when a specified condition is met.

Related terms
cell, format

Conditions page

A page in a query editor that displays selection criteria for rows that the query selects from the data source. In the IO Design perspective, the name of the Conditions page is Filters.

Related terms
data source, IO Design perspective, 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:

In BIRT and the IO Design perspective, a 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 BIRT iServer, Business Intelligence and Reporting Tools (BIRT), Configuration Console, connection, data source, Encyclopedia volume, Extensible Markup Language (XML), IO Design perspective, parameter, report, run time, value

Contrast with
Configuration Console

Connection

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

Related terms
Actuate BIRT Designer Professional, data source, Java, object

Contrast with
connection, connection property

connection

A communication link to a database or other data source, defined by a set of connection properties. In BIRT Designer Professional and the IO Design perspective, 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-12 shows the data source connection properties for a SQL Server 2005 database.

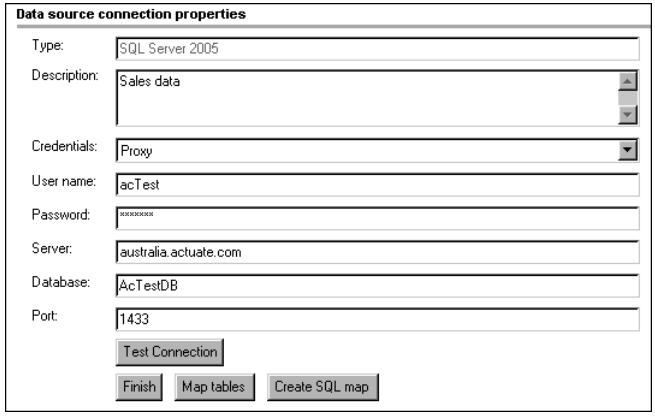


Figure G-12 IO Design perspective connection properties

Related terms
Actuate BIRT Designer Professional, component, connection property, data connection definition (.dcd) file, data source, database, IO Design perspective, property, uniform resource locator (URL)

Contrast with
Connection

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.

Related terms
Connection, data source, password, property, value

Contrast with
configuration file

constant

An unchanging, predefined value. A constant does not change while a program is running.

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.

Related terms
application, data, Enterprise JavaBean (EJB),

containment

In Actuate BIRT 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, container, instantiation, object, report, scope

containment hierarchy

In BIRT Designer Professional, a hierarchy of objects in a report.

Related terms
Actuate BIRT Designer Professional, hierarchy, object, report

content See structured content.

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 that converts an Actuate Basic report 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, 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 monthly sales revenue totals aggregated by product line. Figure G-13 shows a cross tab.

			Classic Cars	Motorcycles	Planes	Ships	Trains	Trucks and Buses	Vintage Cars	Grand Total
Year/QTR/Month 2004	1	1	$109,562	$39,987	$31,159	$26,310	$6,387		$42,909	$256,315
		2	$108,232	$45,694	$34,000	$24,894	$4,763	$35,749	$48,688	$302,021
		3	$99,512			$15,559	$9,879	$32,193	$45,252	$202,395
	2	4	$89,998	$32,229	$33,882	$10,808			$33,352	$200,269
		5	$70,698	$47,873	$35,898	$3,440	$4,862	$31,729	$38,536	$233,036
		6	$46,025			$16,472		$41,967	$48,110	$152,574
	3	7	$139,040	$65,156	$43,256	$20,260	$8,985	$36,967	$72,418	$386,082
		8	$140,458	$55,640	$32,083	$23,485	$7,132	$32,147	$65,019	$355,964
		9	$140,177	$6,515	$30,634	$23,114	$5,611	$37,720	$62,984	$306,755
	4	10	$210,010	$69,147	$31,081	$40,881	$13,781	$68,620	$107,121	$540,642
		11	$397,834	$121,934	$97,607	$43,535	$12,148	$78,998	$183,657	$935,713
		12	$131,433	$43,069	$68,654	$43,838	$13,350	$52,612	$75,882	$428,838
		Total	$1,682,980	$527,244	$438,255	$292,595	$86,897	$448,703	$823,928	$4,300,603
Grand Total			$1,682,980	$527,244	$438,255	$292,595	$86,897	$448,703	$823,928	$4,300,603

Figure G-13 Cross tab displaying order totals

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

Contrast with
aggregate function, analytics, cross-tab element

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-14 shows a cross-tab element.

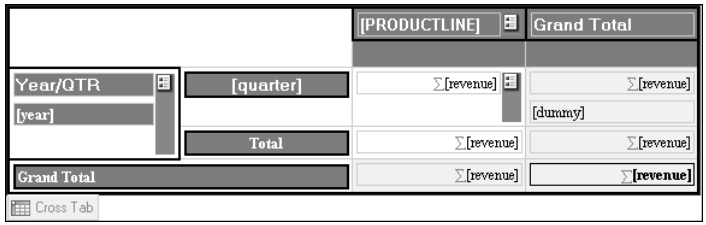


Figure G-14 Cross-tab element

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 measures to analyze large quantities of data. BIRT technology uses a cube to structure data for display in a cross-tab element. BIRT Data Analyzer supports data formatted into cubes, stored as data object (.datadesign) files, or data object store (.data) files, and linked to Dynamic HyperText Markup Language (DHTML) pages, respectively.

Related terms
Actuate BIRT Data Analyzer option, Business Intelligence and Reporting Tools (BIRT) technology, cross-tab element, 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
analytics

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. A cube view modified using Actuate BIRT Data Analyzer can be saved to a cube view (.cubeview) file in an Encyclopedia volume.

Related terms
Actuate BIRT Data Analyzer, cube, cube view (.cubeview) file, data, Encyclopedia volume, format

Contrast with
analytics

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.

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-15. 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

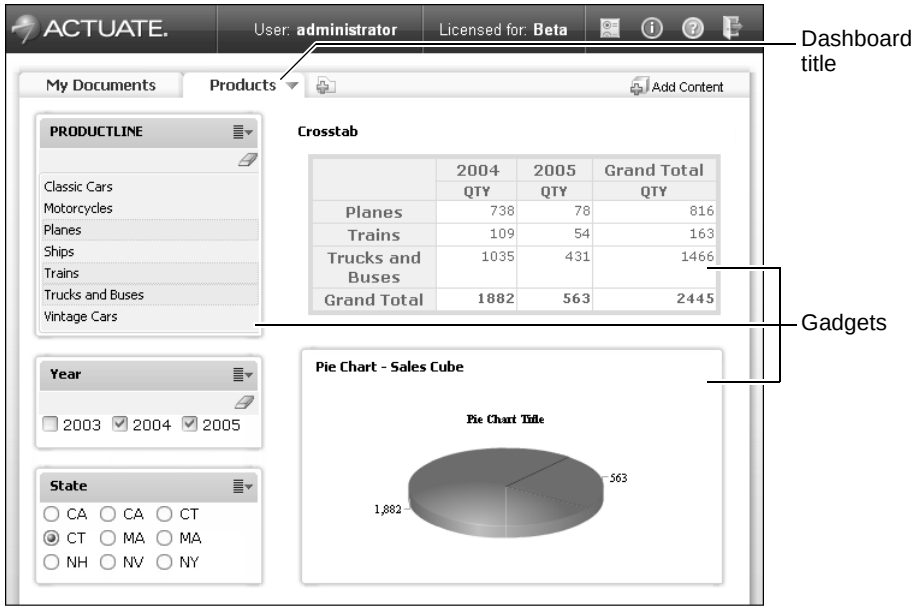


Figure G-15 A dashboard appearing in BIRT 360

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

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 analysis

See analytics.

data analyzer

See Actuate BIRT Data Analyzer.

data binding

See column binding.

data connection definition (.dcd) file

A file created using the IO Design perspective that contains connection properties and security settings for a data source.

Related terms
connection, connection property, data source, IO Design perspective

Contrast with
file types

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

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 report element types. Figure G-16 shows Data Explorer.

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

data field

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

Related terms
data, data source, database

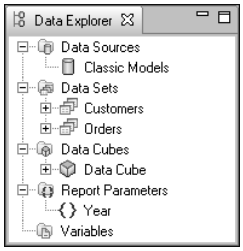


Figure G-16 Data Explorer

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 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 row, data set

data row

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

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

Contrast with
data point, filter

Data Service

An Actuate JavaScript API class that connects to an Actuate web application service to retrieve data from BIRT reports as data, rather than a Flash object, gadget, report, or Reportlet.

Related terms
Actuate JavaScript API (JSAPI), Business Intelligence and Reporting Tools (BIRT), class, data, gadget design (.gadget) file, report, Reportlet

data set

In BIRT technology, a definition of the data to retrieve or compute from a data source.

Related terms
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 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 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 element, database, Extensible Markup Language (XML), flat file, gadget design (.gadget) file, information object, Java, report

Contrast with
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 map (.sma) file

A file created using BIRT Designer Professional or the IO Design perspective 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, data source, database, file types, information object, IO Design perspective, 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 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 SQL include Decimal, Double, Integer, Timestamp, and Varchar. In the IO Design perspective, Actuate SQL data types map to data types in supported databases.
2. 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 SQL, Business Intelligence and Reporting Tools (BIRT), data source, Date data type, date-and-time data type, Decimal data type, double data type, Integer data type, IO Design perspective, Java, number data type, String data type, Time data type, Timestamp data type, value, Varchar data type

Contrast with
data abstraction, database 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 terms
application, data, data store

Contrast with
relational database management system (RDBMS)

database schema

See schema.

database type

In the IO Design perspective, the configuration information required to access, connect, map, optimize, and translate queries against a target database.

Related terms
database, query, IO Design perspective

Contrast with
data type

DATADESIGN

See data object design (.datadesign) file.

Date data type

A Java data type used for date-and-time calculations. 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
class, data type, Java, method, value

Contrast with
Time data type, Timestamp 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, 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 Java code that contains constant, data type, and global variable declarations.

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

delete privilege

See privilege.

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
ancestor 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 BIRT Designer Professional or Actuate BIRT Studio.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Studio, data, layout, report

Contrast with
file types

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

DHTML (Dynamic Hypertext Markup Language)

See Dynamic HyperText Markup Language (DHTML).

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. BIRT Designer Professional, Actuate BIRT Studio, and gadgets on a dashboard support defining and using dimensions.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Studio, 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), uniform 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)

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

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.

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).

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 a 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 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 page's content.

Related term
page

Contrast with
structured content

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-17 shows a dynamic text element in a generated report.

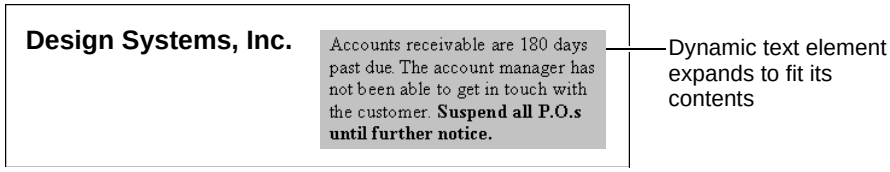


Figure G-17 A report displaying text in a dynamic text element

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

Contrast with
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-18 shows the Eclipse Java perspective. Actuate BIRT Designer Professional provides the IO Design perspective to develop information objects and the Report Design perspective to create reports.

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

Contrast with
Eclipse platform, view

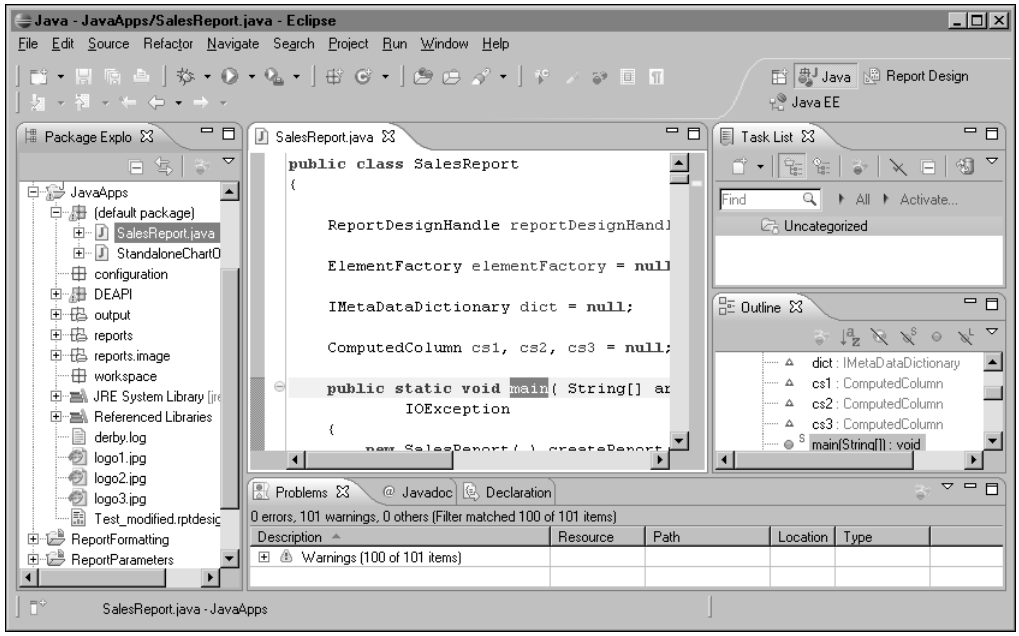


Figure G-18 Eclipse Java perspective

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.

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 Designer Professional

See Actuate e.Report Designer Professional.

e.Report option

See Actuate e.Reports option.

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, a backslash followed by a comma represents a comma character: \,

Related terms
character, Query by Example (QBE)

e.Spreadsheet

See Actuate BIRT Spreadsheet technology.

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 Actuate BIRT Spreadsheet technology.

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 output when run in an Encyclopedia volume or a report designer. For example, a BIRT report executable (.rptdesign) file generates BIRT report output.

Related terms
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, regular expression

expression builder

A tool for selecting data fields, functions, and operators to write expressions. Figure G-19 shows the expression builder in BIRT Designer Professional.

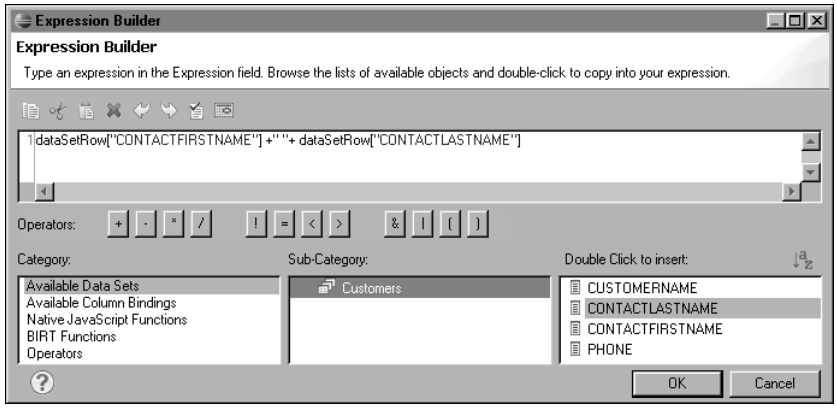


Figure G-19 Expression builder

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

Extensible Markup Language (XML)

A markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. It is defined in the XML 1.0 Specification produced by the Worldwide Web Consortium (W3C). XML is widely used for the representation of data structures.

Related terms
data, format, 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 procedure object (.epr) file

A file created using IO Design perspective that represents a stored procedure or open data access (ODA) data source query.

Related terms
data source, IO Design perspective, 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 for automatically switching to a standby system when a primary system fails. This type of system design guarantees high availability with limited down-time. A BIRT iServer System cluster has built-in failover capability for its nodes. Each node runs independently. If a node fails, the remaining nodes take over processing automatically without a service interruption.

Related terms
Actuate BIRT iServer System, cluster, node

fetch To retrieve the next data row in a result set.

Related terms
data row, 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-20 shows a field in a table.

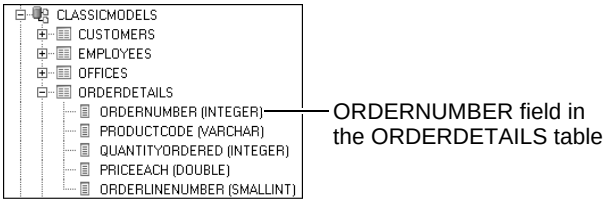


Figure G-20 Fields and tables displayed in a query editor

Related terms
column, database, query editor, table

field variable

In Java, a member variable having public visibility.

Related terms
Java, member, variable

file dependency

A relationship between files in which one file requires another file to compile or run. For a BIRT report, for example, a cube requires a data source and a data set.

Related terms
Actuate BIRT Designer Professional, compile, cube, data set, data source, report

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	

Table G-1 File types (continued)

Management Console display name	File extension	Icon
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	
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	ROS	

(continues)

Table G-1 File types (continued)

Management Console display name	File extension	Icon
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	
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	

Table G-1 File types (continued)

Management Console display name	File extension	Icon
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,, 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, information object (.iob) 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 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. Figure G-21 shows filter options in Management Console.

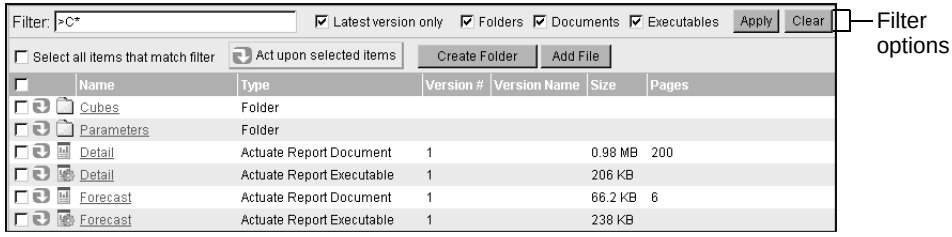


Figure G-21 Filter options on Management Console

Related terms
Information Console, Management Console

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-22 shows a Flash chart.

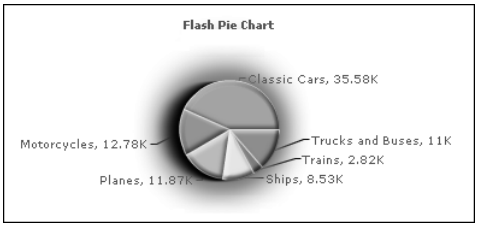


Figure G-22 Flash chart

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-23 shows a Flash gadget.

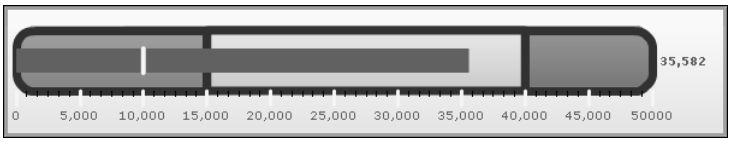


Figure G-23 Flash gadget

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 storing 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

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.

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

Contrast with
format toolbar, 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-24 shows a typical format toolbar.

Figure G-24 Format toolbar

Related terms
font, property, toolbar

fragment See plug-in fragment.

framework

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

Related terms
application, Business Intelligence and Reporting Tools (BIRT) Chart Engine, class

function 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.

Related terms
Business Intelligence and Reporting Tools (BIRT), expression, JavaScript, subroutine

Contrast with
method

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 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 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-25 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.

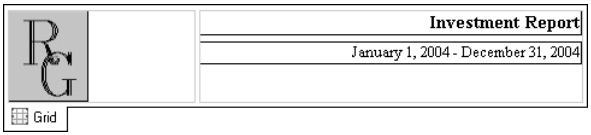


Figure G-25 Grid element

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 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

grouped report

A report that organizes data by common values. Figure G-26 shows a grouped report organized by customer name.

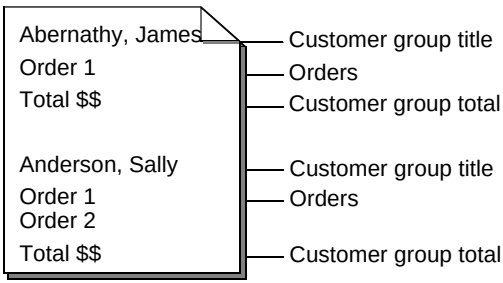


Figure G-26 Grouped report

Related terms
data, report, value

Contrast with
group

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 Any tree structure that has a root and branches that do not converge. Figure G-27 shows an example hierarchy of classes.

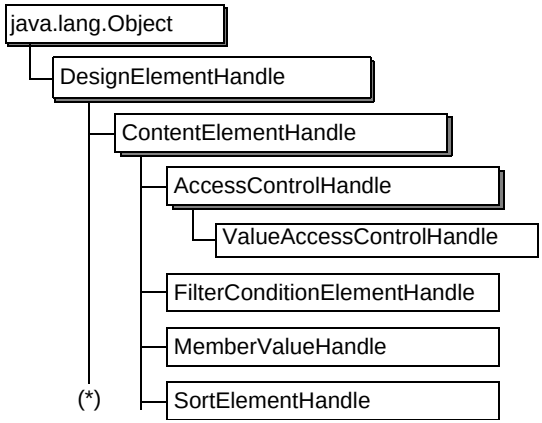


Figure G-27 Hierarchy of classes

Related term
class

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

HTML element

See element.

HTML frame

An independently scrollable part of a web page dividing the page into horizontal or vertical sections. Figure G-28 shows structured content in an HTML frame.

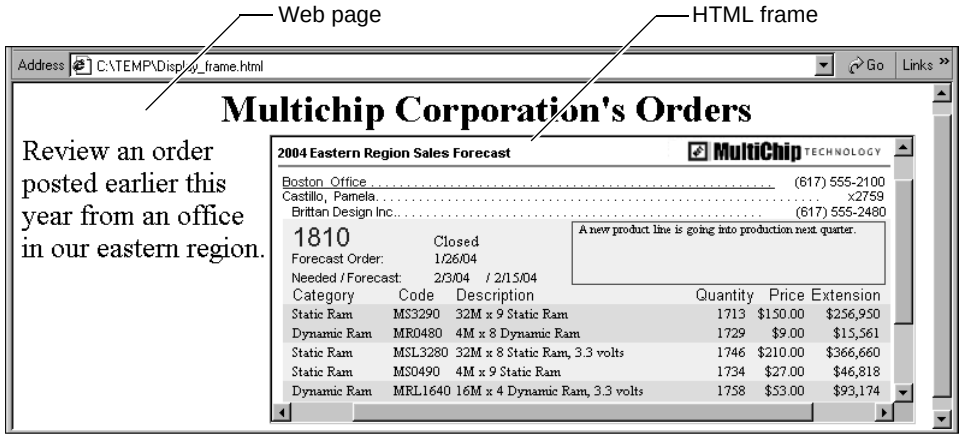


Figure G-28 HTML frame in a web page

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

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 an 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, 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. BIRT technology supports .gif, .jpg, and .png file types.

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

Contrast with
image element

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.

Information Console

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

Related terms
Actuate BIRT iServer, Encyclopedia volume, report

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
IO Design perspective

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

information object (.iob) file

A file type that contains an Actuate SQL query. Data modelers create information objects using the IO Design perspective.

Related terms
Actuate SQL, file types, information object, IO Design perspective, query

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-29 shows an example of inheritance.

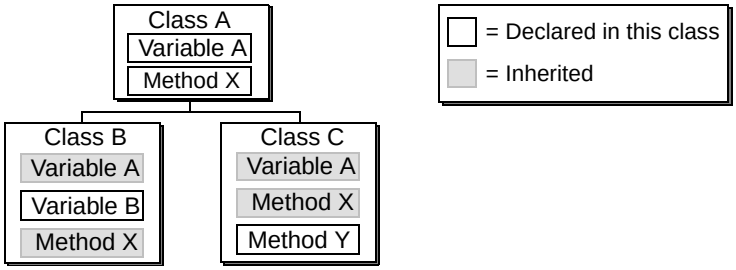


Figure G-29 Inheritance

Related terms
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 matching values in the join field. Records for which there is no matching value are not included in the result set. 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 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, 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.

Related terms
class, run time, 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 data type

1. An 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 SQL, data type, Extensible Markup Language (XML), value

Contrast with
Decimal data type, Long 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

IO Design perspective

A tool used to design information objects. An information object uses an Actuate SQL query to retrieve data from one or more data sources. Report developers use information objects in report designs, and business users use information objects in Actuate Query.

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

Contrast with
file types

IOB See 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 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. The WHERE clause in the following SQL query shows joins that use the custID columns and orderID columns:

```
SELECT customers.custID, orders.orderID, orders.shipByDate,
   items.itemcode, items. quantity
FROM customers, orders, items
WHERE customers.custID = orders.custID AND orders.orderID =
   items.orderID
ORDER BY customers.custID, ordres.orderID, orders.shipByDate
```

Related terms
field, query, 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.

label element

In BIRT technology, a report item that displays a short piece of static text in a report. Figure G-30 shows label elements used as column headings in a table header row.

	Product Code	Product Name	Price Each	Quantity	Price

Figure G-30 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, text element

layout The designed appearance of a report. Designing a report entails arranging 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-31 shows a report layout.

Sales by Region	Prior Year Revenue	Prior Year Profit	Current Year Revenue	Current Year Profit
APAC	$542,996	$213,273	$299,231	$116,611
Australia	$542,996	$213,273	$299,231	$116,611
Classic Cars	$183,488	$67,133	$100,761	$38,109
1952 Alpine Renault 1300	$ 9,258	$ 4,230	$ 4,680	$ 2,314
1972 Alfa Romeo GTA	$ 5,679	$ 1,567	$ 0	$ 0
1962 LanciaA Delta 16V	$ 17,094	$ 3,339	$ 8,981	$ 1,535
1968 Ford Mustang	$ 4,886	$ 1,930	$ 10,460	$ 4,358
2001 Ferrari Enzo	$ 8,316	$ 3,919	$ 0	$ 0
1969 Corvair Monza	$ 4,215	$ 1,541	$ 5,076	$ 1,956
1968 Dodge Charger	$ 2,861	$ 681	$ 4,393	$ 1,161

Layout | Master Page | Script | XML Source | Preview | Desktop Viewer (prototype)

Figure G-31 Report layout

Related terms
chart, footer, header, page, report, report item, subreport

layout editor

A tool in a report designer in which a report developer arranges, formats, and sizes report items. Figure G-32 shows the layout editor in BIRT Designer Professional.

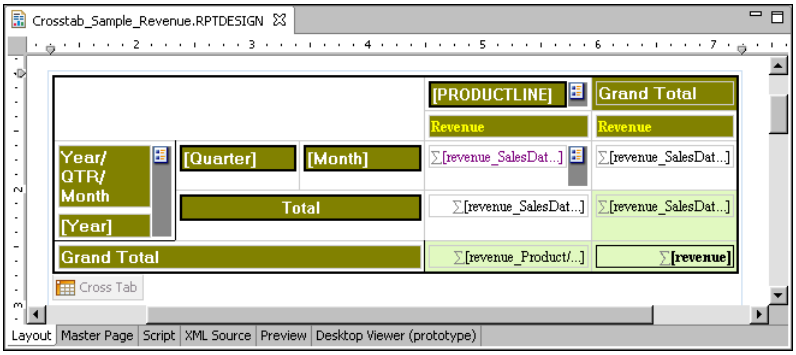


Figure G-32 Layout editor

Related terms
Actuate BIRT Designer Professional, 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.

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 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
Business Intelligence and Reporting Tools (BIRT) technology, data set, data source, design, dynamic link library (DLL), image, JavaScript, report element, report item, style

Contrast with
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.

Lightweight Directory Access Protocol (LDAP)

A software protocol that enables location of resources on a network.

Related term
protocol

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

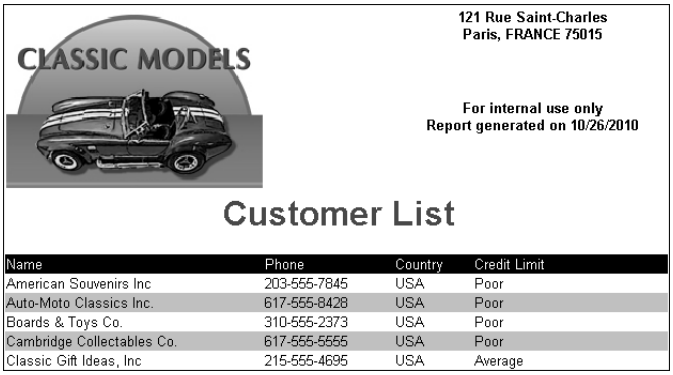
Contrast with
grid element, table element

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-33 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-33 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
localization

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

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
data type, Extensible Markup Language (XML), range

Contrast with
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.

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 terms
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-34.

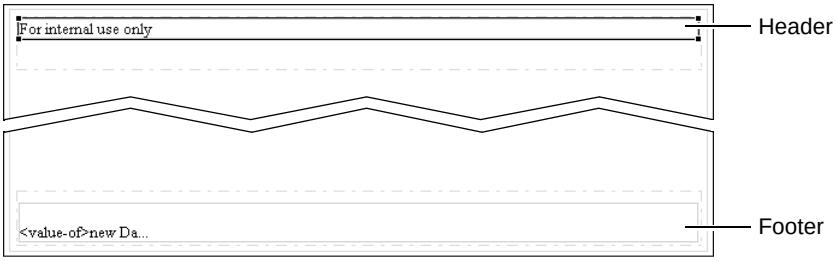


Figure G-34 Master page layout

The master page's header and footer content appears on every page of the report in paginated formats, as shown in Figure G-35.

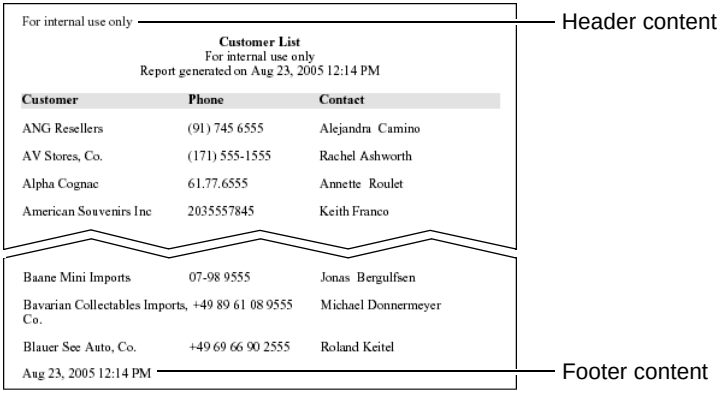


Figure G-35 Master page header and footer in report

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, footer, header, layout, report, report element

Contrast with
template

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 BIRT Designer Professional, Actuate BIRT Studio, 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 BIRT Designer Professional, Actuate BIRT Performance Scorecard, Actuate BIRT Studio, 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

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.

Related terms
application,

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-36 shows a multicolumn report.

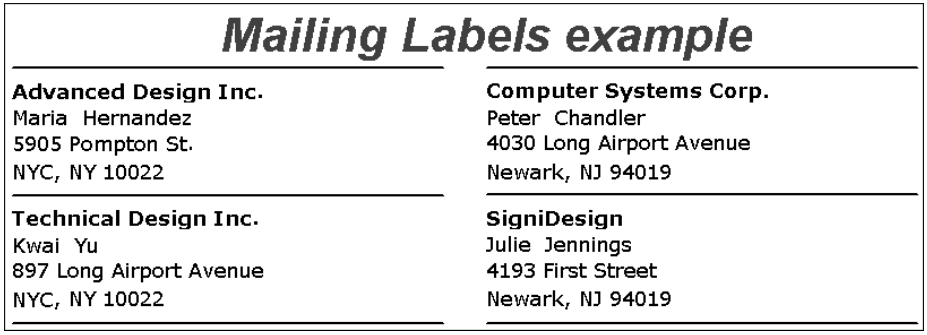


Figure G-36 A multicolumn report

Related terms
data, mailing label report, report

multidimensional analysis

In Actuate BIRT Data Analyzer, a process that applies data filters simultaneously to multiple dimensions of a cube to examine relationships among those dimensions.

Related terms
Actuate BIRT Data Analyzer, cube, dimension, process

Contrast with
Actuate BIRT Data Analyzer option, analytics, multidimensional data

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 BIRT Data Analyzer and BIRT technology to present and analyze complex relationships.

Related terms
Actuate BIRT Data Analyzer, Business Intelligence and Reporting Tools (BIRT) technology, data, dimension, field, filter

Contrast with
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

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-37 shows Navigator.

Related terms
Actuate BIRT Designer Professional, Eclipse project, Eclipse view, report

nested report

See subreport.

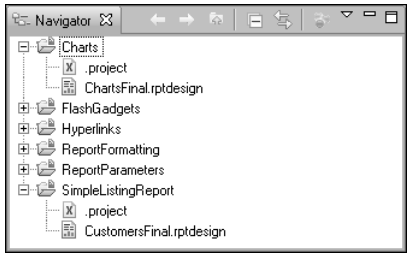


Figure G-37 Navigator

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. or example:

```
Val(Dates) + 1
```

Related terms
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.

Related terms
class, method, property,

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. Actuate BIRT iServer System and the IO Design perspective can use Eclipse plug-ins to implement ODA capability.

Related terms
Actuate BIRT iServer, Actuate BIRT technology, application, connection, data, data source, Eclipse, interface, IO Design perspective, 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. Actuate BIRT iServer System and the IO Design perspective can use ODA drivers implemented as an Eclipse plug-in to the Data Tools Platform project.

Related terms
Actuate BIRT iServer System, Actuate BIRT technology, application, data, data source, driver, Eclipse, extension, IO Design perspective, 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

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-38 shows Outline.

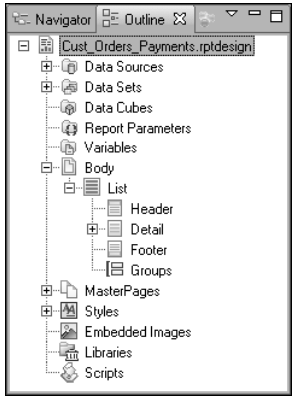


Figure G-38 Outline

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, design, Eclipse view, hierarchy, library, report, report element, template

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

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

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-39 shows an example of pages in the report editor window in BIRT Designer Professional.

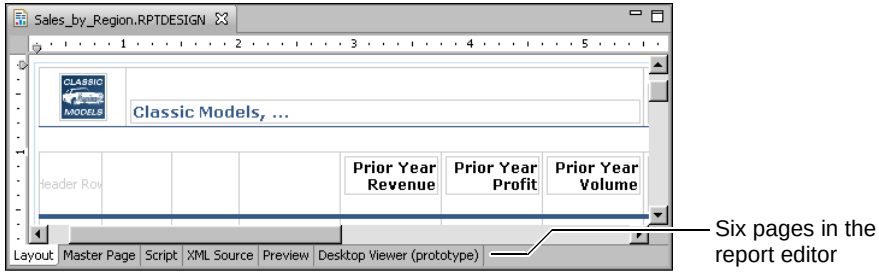


Figure G-39 Pages in the report editor window

Related term
tab

Contrast with
master page, web page

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

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

Palette

In BIRT technology, an Eclipse view that shows the report items used to display and organize data in a report. Figure G-40 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

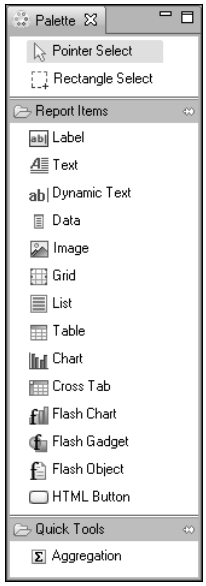


Figure G-40 Palette of report items

pane An area in a user interface. For example, Figure G-41 shows the navigation pane in Information Console.

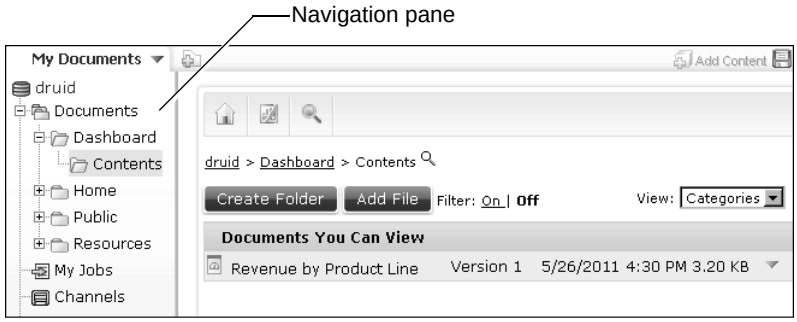


Figure G-41 Pane

Related terms
Information Console, interface

parameter

1. A report element or variable that provides input to the execution of the report. A user types or selects values for parameters on the Parameters page, as shown in Figure G-42. Parameters provide control over report data selection, formatting, and processing.
2. In Actuate SQL, a variable that appears in a query, for example, in a WHERE clause.

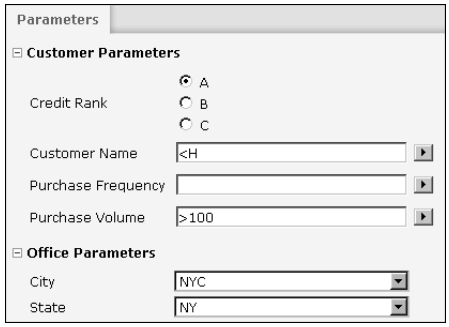


Figure G-42 Parameters page

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 properties of 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. Figure G-43 shows the parameter editor in BIRT Designer Professional.

Related terms
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. Figure G-42 shows the Parameters page.

Related terms
Information Console, Management Console, page, parameter, report, value

parent class

See superclass.

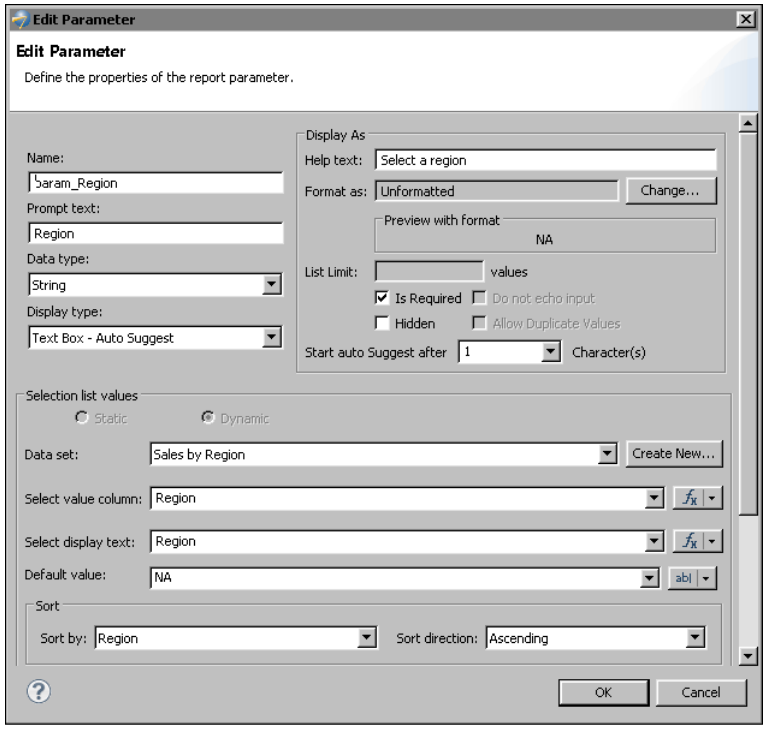


Figure G-43 Parameter editor

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 terms
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.

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 terms
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
file types, object, page, report object executable (.rox) file, report object instance (.roi) file, run, section

Contrast with
transient object

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.

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 Oracle.

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 data rows 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
data, data row, design, layout, query, report

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 in an Encyclopedia volume
Delete	Remove items from an Encyclopedia volume.
Execute	Run items from the Encyclopedia volume.
Grant	Extend privileges for a specific item in the volume to other users.
Read	Open, work with, print, and download an item in the 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, administrator, data source, data source map (.sma) file, Encyclopedia volume, information object, information object (.iob) file, 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

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-44 shows Properties.

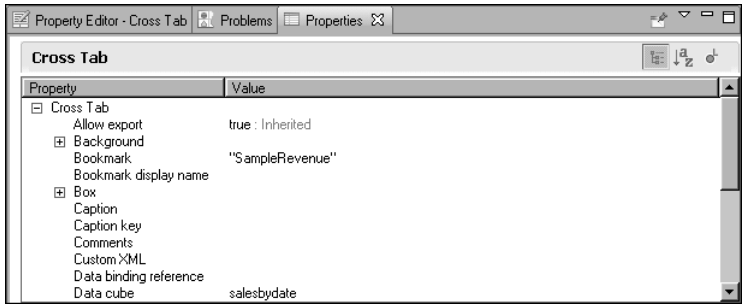


Figure G-44 Properties displaying a sample of cross-tab element properties

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

property A characteristic of a report item that controls its appearance and behavior. For example, a report developer can specify a font size for a label element.

Related terms
font,

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-45 shows Property Editor.

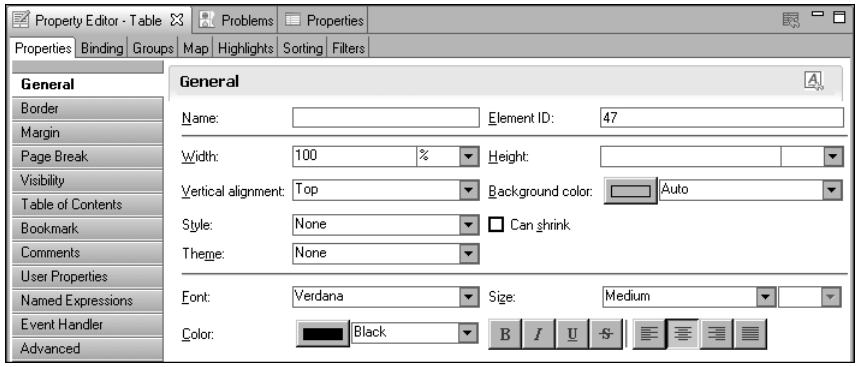


Figure G-45 Property Editor

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, design, Eclipse view, property, report, report element

Contrast with
Properties

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, 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.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT Studio, Business Intelligence and Reporting Tools (BIRT) technology, Encyclopedia volume, 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-46 shows QBE expressions.

Related terms
ad hoc parameter, data, data source, expression, query, syntax, value

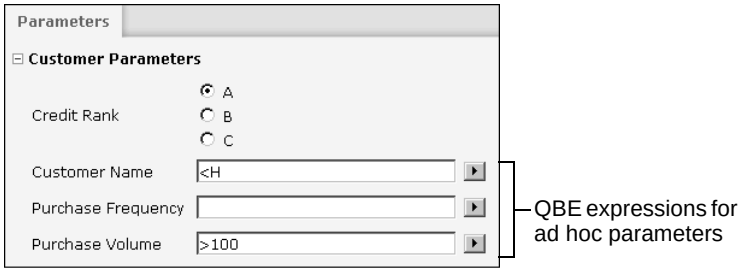


Figure G-46 Query by Example expressions

query editor

A tool used to write a statement that retrieves data from a data source. Figure G-47 shows the query editor in BIRT Designer Professional.

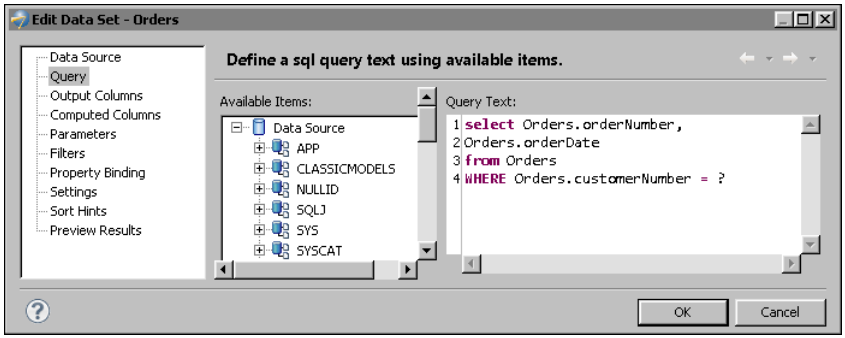


Figure G-47 Query editor in BIRT Designer Professional

Related terms
Actuate BIRT Designer Professional, data, data source, statement

Contrast with
SQL SELECT statement, textual query editor (TQE)

query parameter

See parameter.

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.

Related terms
chart, data type, value

Contrast with
data row, tick interval

read privilege

See privilege.

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

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 terms
application, column, data, data row, database, database management system (DBMS), Structured Query Language (SQL), table

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

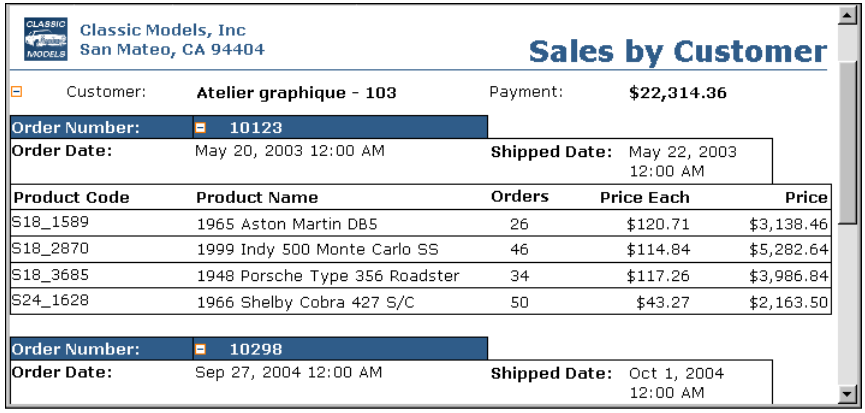
rendering extension

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 or text file. A sample report appears in Figure G-48.



Classic Models, Inc
San Mateo, CA 94404

Sales by Customer

Customer: **Atelier graphique - 103** Payment: **$22,314.36**

Order Number: 10123
Order Date: May 20, 2003 12:00 AM **Shipped Date:** May 22, 2003 12:00 AM

Product Code	Product Name	Orders	Price Each	Price
S18_1589	1965 Aston Martin DB5	26	$120.71	$3,138.46
S18_2870	1999 Indy 500 Monte Carlo SS	46	$114.84	$5,282.64
S18_3685	1948 Porsche Type 356 Roadster	34	$117.26	$3,986.84
S24_1628	1966 Shelby Cobra 427 S/C	50	$43.27	$2,163.50

Order Number: 10298
Order Date: Sep 27, 2004 12:00 AM **Shipped Date:** Oct 1, 2004 12:00 AM

Figure G-48 Report showing formatted text and an image

Related terms
data source, database, format, image, structured content

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
layout editor, 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 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 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.

Related terms
Actuate Basic technology, Actuate e.Report Designer Professional, file types, report, report document, report object design (.rod) file

Contrast with
executable 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 (.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, design, file types, publish, report

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 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 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 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 BIRT technology, a portion of a report that can be embedded in a web page.

Related terms
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 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, uniform 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 that provides input or modifies parameters. Generating a report from a report executable file uses the values of these parameters.

Related terms
parameter, report, report executable file

Contrast with
Parameters page

reserved word

See keyword.

resource An application file, such as a configuration file, image, library, or template.

Related terms
application, 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.

Related terms
Actuate BIRT 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 web application that has many of the characteristics of desktop application software, typically delivered by way of a browser, a browser plug-in, extensive use of JavaScript, or a virtual machine.

Related term
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).

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

Contrast with
data row

row key An expression used to collect data rows into row groups and subgroups in a cross-tab element.

Related terms
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 entities such as tables and the relationships between these entities.
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), 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. 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
class, declaration, function, member, method, object, parameter, variable

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 and Actuate iServer Integration Technology provide an SDK.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT technology, Actuate iServer Integration Technology, application, application programming interface (API), Java, Java Virtual Machine (JVM), platform

search

To find a string in a document.

Related term
string

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

section

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
Business Intelligence and Reporting Tools (BIRT) technology, data, design, grid element, image, list element, report, table element, value

secure read privilege

See privilege.

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
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-49 shows selected items in a report design in the layout editor.

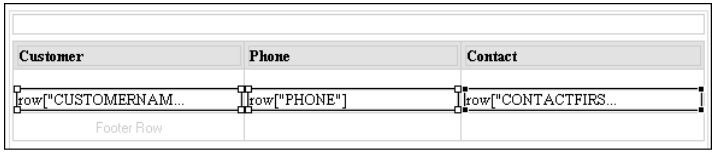


Figure G-49 Three selected data elements

Related terms
data element, design, interface, layout editor, report

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-50 shows a bar chart that displays a series of quarterly sales revenue figures over four years.

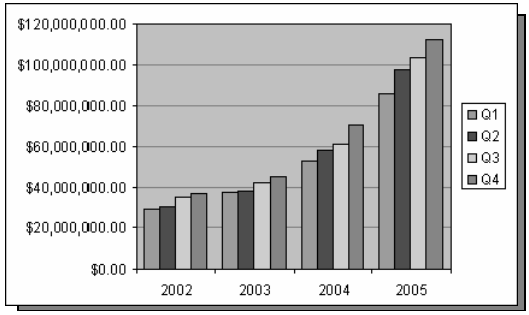


Figure G-50 Series in a chart

Related terms
chart, value

Contrast with
category

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-3 lists the Actuate BIRT iServer server processes.

Table G-3 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
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 Spreadsheet technology, Actuate BIRT technology, Actuate Query, 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

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-4 lists the server services.

Table G-4 Server services

Server service	Description
Caching service	Manages one or more Caching processes
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 a 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 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 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

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-51 shows a body slot.

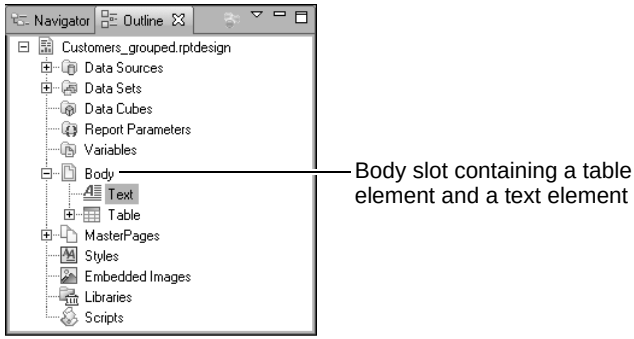


Figure G-51 Body slot containing report items

Related terms
Business Intelligence and Reporting Tools (BIRT) technology, design, report, report element, report item, Report Object Model (ROM) element

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 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 Actuate BIRT Spreadsheet technology.

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, Actuate BIRT Spreadsheet technology, design

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 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, Actuate BIRT Spreadsheet technology, design, file types, publish, report, run, spreadsheet object design (.sod) file

Contrast with
Actuate BIRT Spreadsheet API, Actuate BIRT Spreadsheet option, Actuate BIRT Spreadsheet technology

spreadsheet object instance (.soi) file

In BIRT spreadsheet technology, a file that contains a viewable spreadsheet report.

Related terms
Actuate BIRT Spreadsheet technology

Contrast with
file types

SQL (Structured Query Language)

A language used to access and process data in a relational database.

Related terms
data, database

Contrast with
query, SQL SELECT statement

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.creditrank, customers.customName
FROM     customers
WHERE    customers.creditrank <= 'B'
ORDER BY customers.creditrank, customers.customName
```

Related terms
data, database, query, sort, SQL (Structured Query Language), statement, table

Contrast with
query editor

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

A syntactically complete unit in a programming language that expresses one action, declaration, or definition. **Related term**
declaration

Contrast with
SQL SELECT statement

static hyperlink

A link to an existing location in a file or web document.

Contrast with
dynamic hyperlink, 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.

Related terms
data row, data source, design, filter, parameter, parameter editor, query, Query by Example (QBE), report, syntax, value, variable

static variable

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
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.

Related terms
stored procedure

string

A sequence of characters, for example 'Hello world'.

Related terms
character

String data type

A data type that consists of a sequence of contiguous characters including letters, numerals, punctuation marks, and spaces.

Related terms
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

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).

style

A named set of formatting characteristics, such as alignment, borders, color, and font that report developers apply to a report item to control its appearance.

Related terms
font, format, report, report item

Contrast with
cascading style sheet (CSS)

style sheet

See cascading style sheet (CSS).

subclass

The immediate descendant class.

Related terms
class, descendant class

Contrast with
ancestor class, superclass

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.

Related terms
data, data set, data source, design, report, 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
Actuate BIRT 360, 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.

Related terms
ancestor class, class

Contrast with
descendant class, subclass

symbol A name that represents an entity. A symbol is unique in a scope. For example, a symbol can be the name of a class or variable.

Related terms
class, 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-52 shows tabs that access different views in BIRT Designer Professional.

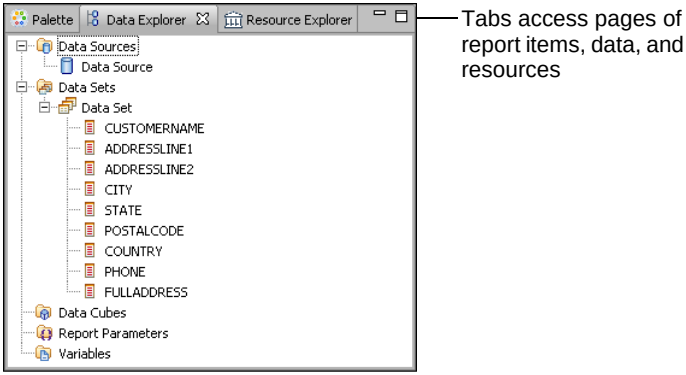


Figure G-52 Tabs in BIRT Designer Professional

Related term
Actuate BIRT Designer Professional, page

Contrast with
label element

table A named set of columns in a relational database. Figure G-53 shows tables in the query editor in BIRT Designer Professional

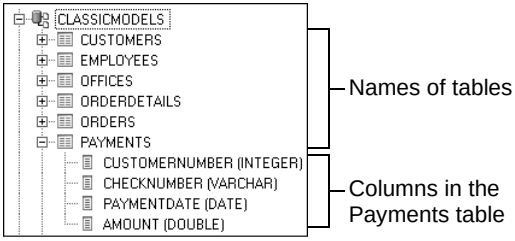


Figure G-53 Tables in the query editor

Related terms
Actuate BIRT 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-54 shows a table element.

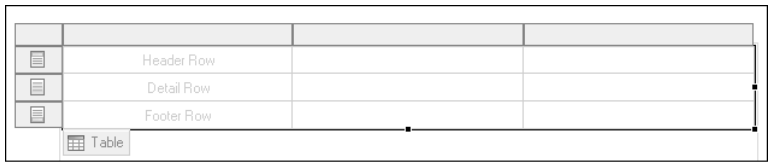


Figure G-54 Table element

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

Contrast with
grid element, list element, table

table of contents

A hyperlinked outline of report contents.

Related terms
hyperlink, report

tag

An element in a markup language that identifies how to process a part of a document.

Related term
element

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 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-55, 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.

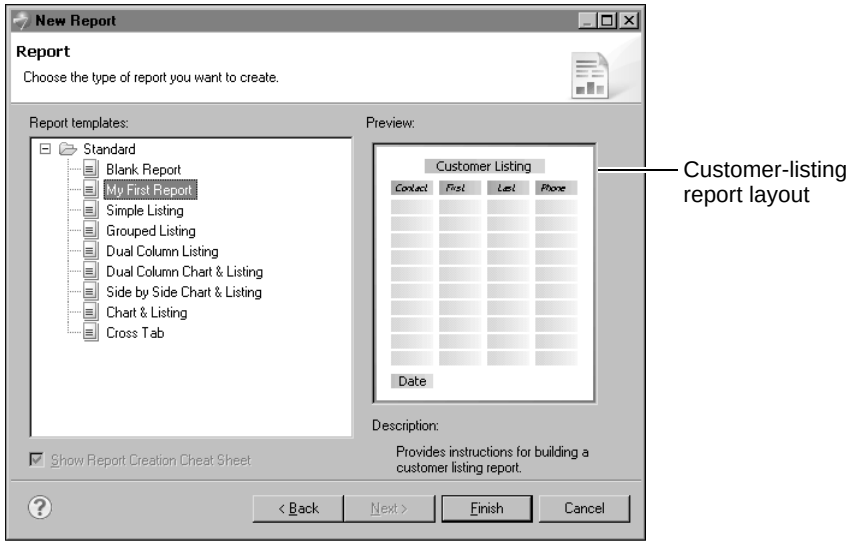


Figure G-55 Templates available for a new BIRT report design

Related terms
Actuate BIRT iServer, Business Intelligence and Reporting Tools (BIRT) technology, design, format, layout, listing report, notification, report, report object design (.rod) file, style

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 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)

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
tick interval

tick interval

The distance between ticks on an axis. Figure G-56 shows a tick interval in a chart.

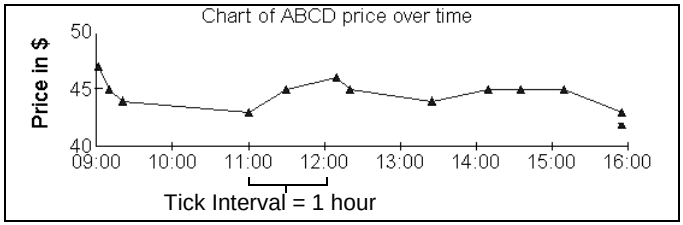


Figure G-56 Chart displaying multiple tick intervals

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. Figure G-57 show the toolbar from BIRT Data Analyzer.

Figure G-57 BIRT Data Analyzer toolbar

Related terms
Actuate BIRT Data Analyzer, interface

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

transient object

An object that performs specialized tasks during report generation. For example, connections and data rows are transient objects.

Related terms
connection, data row, object, report

Contrast with
persistent object, temporary report

transient report

See temporary report.

translator See converter.

trusted execute privilege

See privilege.

type See data type.

type declaration character

A character appended to a variable name to specify the variable's data type.

Related terms
character, data type, variable

Unicode A living language standard managed by the Technical Committee of the Unicode Consortium. The 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 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

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
uniform 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.

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 uniform 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

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

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

view

A predefined query that retrieves data from one or more tables in a relational database. Unlike a table, a view does not store data.

Related terms
data, database, query, table

Contrast with
Eclipse view

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, previewer

Views See Actuate BIRT Performance Scorecard.

visible privilege

See privilege.

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, 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

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.

Related terms
character, conditional expression, search

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.

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 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

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), uniform 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 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 element displays the chart series. The example in Figure G-58 shows a bar series having a Z-order of 1 and an area series having a Z-order of 0.

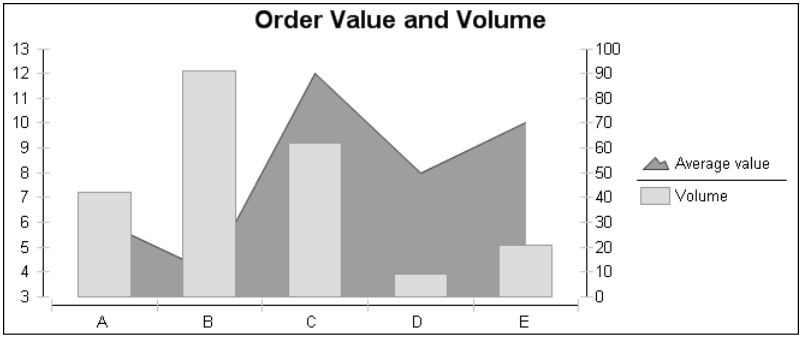


Figure G-58 Multiple *y*-axis chart having bar series in front of area series

2. In Actuate BIRT technology, the order of AddOns providing decoration to a Flash element. For example, Figure G-59 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.

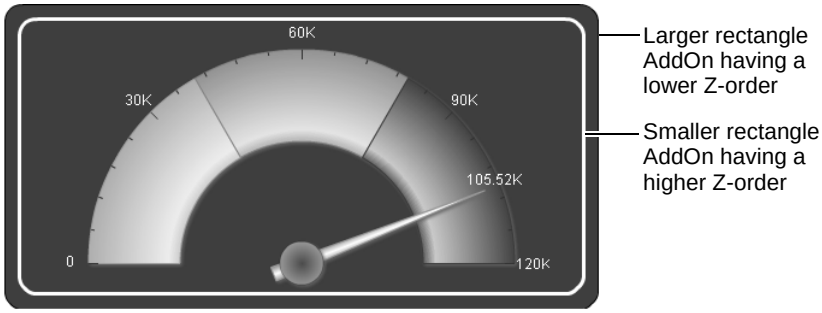


Figure G-59 Rectangle AddOns to a meter chart

Related terms

Actuate BIRT technology, chart element, combination chart, Flash chart element, Flash gadget element, series

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