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Actuate Glossary provides definitions of terms used in Actuate software and documentation.
access control list (ACL)

A list of security IDs for content in a BIRT application. If a security ID in the access control list matches the user ID or any user group of which the user is a member, the content is accessible to that user or group.

Related term
user group

Contrast with
Page Level Security option

Accessible PDF option

A separately licensed option that supports converting report content to accessible PDF format. Accessible PDF files are tagged appropriately for use with assistive reading technology for the visually impaired. Accessible PDF option requires BIRT option.

Related terms
Actuate BIRT technology, BIRT iHub System options, BIRT option, report

access type

A property specifying the shareable status of a file or folder in a volume. Only the owner and an 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, privilege, property, volume
**Act as an Administrator**

In Metrics Management, a privilege that grants a user full administrator status. This privilege allows the user to make any change in Metrics Management except modifying settings for the sysadmin user.

**Related terms**
Metrics Management, Metrics Management system specialist, user privilege

**action**

1. An event executed by a manual or task trigger. Example actions include apply model, delete column, query action, and send e-mail.

2. In Metrics Management, an object-level security or user privilege setting that permits or denies a user to perform an activity on an object. An example action is the Edit action on a book.

**Related terms**
Metrics Management, object-level security, user privilege

**active request**

A task currently waiting for execution on BIRT iHub. An active request begins to run when a Java Factory server process becomes available.

**Related terms**
Actuate BIRT iHub, request, server processes

**Contrast with**
job, pending job

**actual series**

In Metrics Management, a type of comparative data. Metrics Management typically compares actual series data against target data for a specific period to produce an index value.

**Related terms**
comparative, data, index value, Metrics Management, target data

**Contrast with**
base series, comparison series

**Actuate BIRT**

See Actuate BIRT technology.

**Actuate BIRT 360 option**

See Dashboards option.

**Actuate BIRT 360 Plus**

See Metrics Management.

**Actuate BIRT Analytics**

An application that supports association rule learning, clustering, and classification (decision trees). BIRT Analytics uses predictive analytics to find
patterns in big data. Predictive analytics is the process of analyzing data to make predictions about future or unknown events, such as using time-series prediction to produce short-term demand forecasts. For example, your sales data may contain a trend or a seasonal pattern.

**Related terms**
big data analysis, data

**Contrast with**
Actuate BIRT Embedded Analytics technology, Actuate BIRT technology

**Actuate BIRT Embedded Analytics technology**

A set of tools that supports the manipulation of multidimensional data to analyze relationships and trends. Embedded analytics is the use of reporting and analytic capabilities within business information applications. Integrating the business intelligence (BI) platform with that application architecture enables developers to choose where the analytics technology should be embedded. Actuate BIRT Analytics technology includes BIRT Analytics.

**Related terms**
Actuate BIRT Analytics, multidimensional data

**Contrast with**
Actuate BIRT technology, BIRT iHub Integration Technology

**Actuate BIRT Content Services**

A technology that creates, manages, stores, and delivers high volumes of accessible, personalized customer communications. BIRT Content Services access disparate sources of content in multiple formats, manage the flow of content through the entire data life cycle, archive high volumes of data, and transform content into formats that can be delivered to high volume printers, electronic document presentation systems, smartphones, and tablet devices.

**Related term**
data

**Contrast with**
structured content

**Actuate BIRT Deployment Kit**

See BIRT Deployment Kit.

**Actuate BIRT Designer Professional**

A tool that builds applications including Actuate BIRT dashboards and report designs. BIRT Designer Professional supports Actuate BIRT data objects, HTML 5 technology, interactive cross tabs, and page-level security. BIRT Designer Professional is a customizable set of plug-ins to the Eclipse platform that can be extended to add new functionality.

**Related terms**
Business Intelligence and Reporting Tools (BIRT), dashboard, data object, design, report
Actuate BIRT iHub

A set of services acting as a stand-alone server or a cluster of servers that supports BIRT Analytics, BIRT Content Services, and Metrics Management. BIRT iHub manages access control, user names and properties, and system activity monitoring. BIRT iHub stores and delivers content as dashboards and reports. BIRT iHub also stores data encapsulated in data objects and information objects or in third-party data file formats. Several server options providing additional functionality for BIRT iHub require separate purchase.

Related terms
Actuate BIRT Analytics, Actuate BIRT Content Services, BIRT iHub System options, cluster, dashboard, Information Console, Metrics Management, report, server service

Contrast with
Actuate JavaScript API (JSAPI), BIRT iHub Integration Technology, BIRT iHub System, System Console

Actuate BIRT Information Designer

See Information Object Design perspective.

Actuate BIRT Interactive Viewer

See Interactive Viewer.

Actuate BIRT Java Components

A collection of tools providing support for developing and deploying applications. The Actuate BIRT Java Components collection includes Deployment Kit, Interactive Viewer, Report Studio option, and Viewer. The Java Components support embedding BIRT report technology into web environments.

Related terms
BIRT Deployment Kit, Interactive Viewer, report, Report Studio, Viewer

Actuate BIRT Report Page Level Security option

See Page Level Security option.

Actuate BIRT Studio

See Report Studio.

Actuate BIRT technology

A collection of BIRT iHub System options, Java applications, and Java application programming interfaces (API) that support the design and deployment of BIRT applications, dashboards, or reports. The applications are Actuate BIRT Designer Professional, Interactive Viewer, Report Studio, and Viewer. The Java APIs provide programmatic access to BIRT iHub, dashboards, gadgets, charts, data
objects, and reports. BIRT technology also includes access to data object and report document data sources, use of Actuate EasyScript, HTML 5 charts, HTML buttons, and page-level security. Actuate BIRT technology manages access to BIRT applications, dashboards, and reports in a volume.

**Related terms**
Actuate BIRT Designer Professional, application programming interface (API), BIRT iHub System options, BIRT technology, Business Intelligence and Reporting Tools (BIRT), chart, dashboard, data object, data source, deploy, design, EasyScript, gadget, HTML button, Interactive Viewer, report, Report Studio, Viewer, volume

**Contrast with**
Actuate BIRT Embedded Analytics technology, BIRT iHub Integration Technology

**Actuate BIRT Viewer**
See Viewer.

**Actuate Information Console**
See Information Console.

**Actuate JavaScript API (JSAPI)**
An application programming interface (API) that presents BIRT report content in a web page. This API provides JavaScript classes for authenticating users, connecting to data sources, interacting with the user, generating reports, and viewing reports. This API is available in Interactive Viewer, Report Studio, and Information Console.

**Related terms**
application programming interface (API), authentication, data source, Information Console, Interactive Viewer, report

**Contrast with**
Actuate REST API, Information Delivery API (IDAPI)

**Actuate Metrics Management**
See Metrics Management.

**Actuate REST API**
A resource extension installed with BIRT iHub that responds to RESTful requests. The REST API supports accessing and managing dynamic data built with Actuate BIRT technology and generating new documents for distribution to any mobile or web application. A worked example using this API is part of Actuate BIRT iHub Integration Technology.

**Related terms**
Actuate BIRT iHub, Actuate BIRT technology, BIRT iHub Integration Technology

**Contrast with**
Actuate JavaScript API (JSAPI), Information Delivery API (IDAPI)
Actuate server

See Actuate BIRT iHub.

Actuate SQL

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

Related term
information object

administrator

A category of user able to perform management tasks:

1. In System Console, a system administrator configures and monitors BIRT iHub System, sets up clusters and Encyclopedia volumes, and creates application administrators for each Encyclopedia volume.

2. In iHub Administration in Information Console, an application administrator configures users, user groups, access controls, and application job schedules.

Related terms
BIRT iHub System, cluster, Information Console, job schedule, System Console, user group, volume

alias

An alternative name:

1. In a SQL SELECT statement, a name given to a database table or column.

2. A name given to a data set column for use in a BIRT expression or in code in a script method.

Related terms
column, data set, SQL SELECT statement, table

Contrast with
display name

application programming interface (API)

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

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

asterisk (*)

1. A wildcard character used for searches.

2. A multiplication symbol used in expressions.

Related term
wildcard
asynchronous

A job type that runs without user interaction after entry of any report parameters. The job can run immediately or be scheduled to run one or more times. Priorities can be set on an asynchronous job type. The job output, such as a report document, is not available for viewing until the job completes.

Related terms
job, parameter, report, scheduled job

Contrast with
synchronous

audit log

A list of changes to Metrics Management objects. The audit information includes the name of the user making the changes and the time of the change. The log is stored in the Metrics Management database.

Related term
Metrics Management

Contrast with
audit query

audit query

The set of criteria that Metrics Management uses to produce an audit log.

Related terms
audit log, Metrics Management

authentication

A mechanism that validates a user’s login credentials.

Contrast with
authentication method, authorization

authentication method

A method used to authenticate Metrics Management user credentials. A specific security list applies to each available method.

Related terms
authentication, Metrics Management

authorization

A mechanism that determines whether a user can access a particular resource, such as a report document.

Related term
report

Contrast with
authentication
**autoarchive**

A management capability that supports archiving and deletion of files stored in an Encyclopedia volume based on the age of the file, a specific date, or the number of versions.

*Related term*

volume

*Contrast with*

autoarchive driver

**autoarchive driver**

An interface between BIRT iHub server processes and an external archive tool. The autoarchive driver uses the Online Archive Driver API to specify rules about the age of the file, a specific date, or the number of versions.

*Related terms*

Actuate BIRT iHub, autoarchive

*Contrast with*

driver, Online Archive Driver API

**autoverisioning**

A process that increments the file version number to distinguish between files when a job or user creates a file using the same name as an existing file. For example, this feature supports generating and storing multiple report documents from a single executable file in an Encyclopedia volume.

*Related terms*

report, volume

**B**

**Balanced Scorecard**

A strategic planning and performance management system used by Metrics Management. Metrics Management dashboards display Balanced Scorecard measurements showing how well the activities of a company meet its objectives in terms of vision and strategy.

*Related terms*

dashboard, Metrics Management, performance management

**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.

*Related terms*

chart, data
Contrast with
combination chart

**base series**

A series that Metrics Management compares against a comparison series to calculate index values for a measure. A view contains one base series and can contain multiple comparison series.

**Related terms**
comparison series, index value, measure, Metrics Management, view

Contrast with
actual series, target data

**base unit**

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

**Related term**
chart

Contrast with
tick

**beyond completed period**

In Metrics Management, a period, following the completed period, for which users can enter estimated or incomplete data. An asterisk (*) marks this period in data tables.

**Related terms**
completed period, Metrics Management

Contrast with
current period, locked period

**bidirectional text**

A segment of 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 RTL text, such as Arabic, mixes with LTR text, such as English, in the same paragraph, each type of text is written in its own direction.

**big data analysis**

In BIRT Analytics, the practice of analyzing, exploring, filtering, loading, segmenting, and studying massive quantities of data. Big data analysis uses statistics to describe qualities and predict trends in these data repositories.

**Related term**
Actuate BIRT Analytics

Contrast with
multidimensional analysis

**BIRT**

See Business Intelligence and Reporting Tools (BIRT).
BIRT Analytics

See Actuate BIRT Analytics.

BIRT Chart Engine

A set of Eclipse plug-ins and Java archive (.jar) files that supports using Java to design, deploy, and distribute charts. BIRT Chart Engine also supports embedding charts into an application.

Related terms
Business Intelligence and Reporting Tools (BIRT), chart, design, plug-in, report

Contrast with
BIRT Report Engine

BIRT Demo Database

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

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

BIRT Deployment Kit

A Java Component that supports accessing, running, and viewing BIRT reports in a file system.

Related terms
Actuate BIRT Java Components, report

Contrast with
Actuate BIRT technology, BIRT iHub System, Information Console, Interactive Viewer, Report Studio, Viewer

BIRT extension

A module that supports adding custom functionality to the BIRT platform by providing a related set of extension points. BIRT extensions include charting extension, rendering extension, and report item extension.

Related terms
charting extension, rendering extension, report item extension

BIRT iHub Integration Technology

An integration technology package for BIRT iHub System that provides the following reference applications, and application programming interfaces (API):

- iPortal Security Extension (IPSE)
- Report Server Security Extension (RSSE)
- REST API
Related terms
application programming interface (API), BIRT iHub System, iPortal Security Extension (IPSE), Report Server Security Extension (RSSE), REST API

Contrast with
Actuate BIRT Embedded Analytics technology, Actuate BIRT technology

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

Related terms
BIRT iHub System, Information Console, process, System Console

Contrast with
server service

BIRT iHub System
A set of services providing content generation, management, and distribution capabilities plus a series of separately purchasable options.

Related term
BIRT iHub System options

Contrast with
Actuate BIRT iHub

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

The available options for BIRT iHub are:
- Accessible PDF option
- BIRT option
- Dashboards option
- Interactive Viewer option
- Metrics Management option
- Multi-Tenant option
- Page Level Security option
- Report Studio option
**Related terms**  
Accessible PDF option, Actuate BIRT iHub, BIRT iHub System, BIRT option, Dashboards option, Interactive Viewer option, Metrics Management option, Multi-Tenant option, Page Level Security option, Report Studio option

**BIRT option**  
A separately licensed option that supports deploying, running, and viewing BIRT reports. This option is a prerequisite for Actuate Page Level Security option.

**Related terms**  
Business Intelligence and Reporting Tools (BIRT), Page Level Security option, report

**Contrast with**  
Actuate BIRT technology, BIRT iHub System options

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

**Related terms**  
Business Intelligence and Reporting Tools (BIRT), chart, Eclipse, plug-in, report, view

**Contrast with**  
BIRT Chart Engine

**BIRT technology**  
An Eclipse platform extension including a set of plug-ins, engines, applications, and application programming interfaces (API) that support the design and deployment of a business report.

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

**Contrast with**  
Actuate BIRT technology

**BIRT Viewer**  
See Interactive Viewer, and Viewer.

**bookmark**  
An expression for use in a uniform resource locator (URL) to locate a report element. For example, a table of contents uses a bookmark to navigate to a report item such as a table heading. In a dashboard, a bookmark opens a Reportlet in a gadget.

**Related terms**  
dashboard, gadget design (.gadget) file, report element, table of contents
**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

**briefing book**

In Metrics Management, a collection of measures and locations, organized by individual sections, which appear as tabs in the book.

**Related terms**
location, measure, Metrics Management, section

**browser button**

See ellipsis.

**budget data**

In Metrics Management, a comparison series of data that represents a goal. Metrics Management typically compares actual series data against target data for a specific period to produce an index value.

**Related terms**
actual series, comparison series, index value, Metrics Management

**Contrast with**
base series

**Business Intelligence and Reporting Tools (BIRT)**

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

**Related terms**
data, Eclipse, report

**C**

**capacity option**

A set of properties that defines the resource group and server service settings for a server configuration template. Default capacity options include small, medium, large, and disable.

**Related terms**
resource group, server configuration template, server service
cascading parameters
A set of report parameters that have a hierarchical relationship, for example:

Territory
  Country
    State
      City

In that set, each report parameter displays a set of values. Selecting a value from the top-level parameter determines the values that the next parameter displays, and so on. Cascading parameters display only applicable values to the user.

Related terms
hierarchy, parameter, report

case sensitivity
A condition in which the letter case is significant for the purposes of comparison.

category
1. In an area, bar, line, step, or stock chart, one of the discrete values that organizes data on an axis that does not use a numerical scale. Typically, the x-axis of a chart displays category values. In a pie chart, category values are called orthogonal axis values and define which sectors appear in a pie.

2. In Metrics Management, a label used to administer and manage large groups of objects. For example, a briefing book section can use a filter that gets all measures that contain a specific category.

Related terms
briefing book, chart, data, filter, hierarchy, measure, Metrics Management, object, section

Contrast with
series

cell
The intersection of a row and a column that displays a value in a cross tab, grid element, or table element.

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

chart
A graphic representation of data or the relationships among sets of data. Chart types include bar, bubble, line, meter, pie, radar, and stock charts.

Related term
data

Contrast with
chart element

chart element
A report item that displays values from a data set in the form of a chart.

Related terms
chart, data set, report item
Contrast with charting extension

charting extension
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
BIRT Chart Engine, chart

Contrast with report item extension

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

Related terms
property, user group, volume

cloud computing
In the Actuate product environment, a cloud deployment is a replicated instance of an installed BIRT iHub image that contains only the run-time environment. On a network, nodes having the same cluster ID detect each other and join to form a cluster. All nodes share the same stateless BIRT iHub image.

Related terms
Actuate BIRT iHub, cluster, instance, node, run time

cruster
A group of active BIRT iHub nodes on the same network.

Related terms
Actuate BIRT iHub, node

cluster template
See server configuration template.

color chooser
A tool that specifies colors for parts of a report such as fonts, backgrounds, lines, and report element backgrounds.

Related terms
font, report, report element

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 of the named field.

2 A vertical sequence of cells in a cross tab, grid element, or table element.

Related terms
cell, cross tab, data row, field, grid element, table, table element
column binding

A named column that defines an expression specifying the data to return. Column bindings form a required intermediate layer between data set data and report elements.

Related terms
column, data, data set, 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, group

Contrast with
row key

combination chart

A chart that represents multiple data series as different chart types in the same plot area. In Figure G-1, for example, products A and B sales appear as vertical bars with the $y$-axis values on the left, and total downloads appears as a line with its $y$-axis values on the right.

![Figure G-1 Combination chart](image)

Related terms
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, row

**Contrast with**
file types

**commentary**
In Metrics Management, an explanation that appears in the dashboard. Typically, the measure owner uses commentary to communicate information about the performance of a measure or initiative. There are four default commentary types: action plan, customer quotes, discussion forum, and owner’s commentary.

**Related terms**
dashboard, measure, measure owner, Metrics Management, performance

**comparative**
In Metrics Management, a reference point that is measured against another reference point to produce meaningful data. Comparative series are added to measures, either as a base or comparison series. Default comparatives include actual, budget, benchmark, target, and previous year.

**Related terms**
base series, comparison series, index value, Metrics Management, series, target data

**comparison series**
In Metrics Management, a series used to calculate index values for measures. The calculation uses a base series and a comparison series. Examples of comparison series include actual, budget, and target.

**Related terms**
actual series, base series, index value, measure, Metrics Management, target data

**Contrast with**
comparative

**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 Information Object Design perspective, compiling translates data connection definition (.dcd) files, data source map (.sma) files, and information object (.job) files into an information object.

- In BIRT iHub 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, BIRT iHub Integration Technology, data connection definition (.dcd) file, data source map (.sma) file, Information
Delivery API (IDAPI), information object, Information Object Design perspective, information object (.iob) file

**Contrast with**
file types

**completed job**
A scheduled job on an iHub volume that has succeeded or failed.

**Related terms**
job, scheduled job, volume

**Contrast with**
pending job, running job

**completed period**
In Metrics Management, a period of time for which data is considered complete. By default, briefing books and views display data for the completed period.

**Related terms**
briefing book, Metrics Management, view

**Contrast with**
beyond completed period, current period, locked period, period range

**computed column**
A column in which each cell displays the result of an expression.

**Related terms**
cell, column

**Contrast with**
computed field, computed value

**computed field**
A field that displays the result of an expression.

**Related term**
field

**Contrast with**
computed column, computed value

**computed value**
The result of a calculated expression. To display a computed value in a report, use a data element.

**Related terms**
data element, report

**Contrast with**
computed column, computed field
**conditional expression**

An expression that returns value A or value B depending on whether a Boolean expression evaluates to True or False. For example:

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

**conditional format**

A format that applies to a report item when a specified condition is met. For example, text appears in red when the value is negative.

**Related term**

report item

**Configuration Console**

See System Console.

**configuration file**

An Extensible Markup Language (XML) file containing the parameters and settings used to set run-time values in a program environment. In BIRT Designer Professional, 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 a volume. In BIRT iHub server, the file, acserverconfig.xml, specifies settings such as the server configuration template, e-mail SMTP settings, resource groups, and services.

**Related terms**

Actuate BIRT iHub, connection profile, data source, information object, parameter, report, report executable file, resource group, run time, server configuration template, server service, volume

**Connection**

A Java object that provides access to a data source.

**Related terms**

data source, object

**Contrast with**

collection, connection property

**connection**

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

**Related terms**

connection property, data source

**Contrast with**

Connection
connection profile
A shareable set of connection properties created using BIRT Designer Professional that defines a data source. The connection profile is stored in an encrypted file. A report design accesses separate connection profiles in development and production environments.
Related terms
connection property, data source, design, report

connection property
A named value used to connect to a data source. Properties vary depending on the data source type. Typical connection properties are user name and password.
Related terms
connection, data source, password, property

consolidation
In Metrics Management, an operation that combines data across periods and locations, for example, sum, average, and take last known value.
Related terms
location, Metrics Management
Contrast with
location consolidation, period consolidation

constant
A predefined value. A constant does not change during the time that a program runs.

container
A data structure that holds one or more different types of data. For example, a grid element can contain label elements and other report items.
Related terms
data, grid element, label element, report item

containment
A relationship among instantiated objects in a report. One object, the container, defines the scope of other objects, the contents.
Related terms
container, report, scope

containment hierarchy
A hierarchy of objects in a report.
Related terms
hierarchy, report

converter
A tool that converts data from one format to another format. Actuate BIRT technology provides an AFP converter, Excel converters, PDF converters, an HTML converter, a PostScript converter, PowerPoint converters, Word converters, and an XHTML converter.
**cross tab**

A report that arranges data into a concise summary for analysis. Aggregate values or charts appear in a matrix of rows and columns. A cross tab shows how one item relates to another, such as monthly sales revenue totals aggregated by product line.

**Related terms**
column, data, report, row

**Contrast with**
cross tab element, Interactive Crosstabs

**cross tab element**

A report item that uses data from a cube to define a cross tab.

**Related terms**
cross tab, cube, report item

**Contrast with**
Interactive Crosstabs

**cube**

A multidimensional data structure that uses dimensions and measures to group and summarize large quantities of data for analysis. A cube also defines a data object for use in Interactive Viewer, Interactive Crosstabs, and reports.

**Related terms**
cross tab element, data, data object, dimension, Interactive Crosstabs, Interactive Viewer, measure, multidimensional data, report

**cube view**

A display of data from a cube, formatted and filtered using Interactive Crosstabs. A cube view can be saved to a cube view (.cubeview) file in a volume.

**Related terms**
cube, cube view (.cubeview) file, data, Interactive Crosstabs, volume

**Contrast with**
BIRT Analytics

**cube view (.cubeview) file**

A file containing formatted and filtered data from a cube, created using Interactive Crosstabs.

**Related terms**
cube, data, file types, filter, Interactive Crosstabs

**Contrast with**
cube view

**current period**

In Metrics Management, a period of time for which a user can enter data.

**Related term**
Metrics Management
Contrast with
beyond completed period, completed period, locked period, period range

custom data source
See open data access (ODA).

Custom Event Web Service
A mechanism that supports scheduling a report to run as a job when a custom event occurs. BIRT iHub continuously polls the service using the event name and parameters.

Related terms
Actuate BIRT iHub, job, parameter, report, run

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

Custom Visualization element
A report item that enables integrating third-party interactive data visualizations into BIRT reports. The Custom Visualization item supports inserting custom HTML, HTML5 code, client-side JavaScript, JavaScript libraries, and CSS code in a report, and connecting the BIRT data to that visualization.

Related terms
report, report item

Contrast with
chart element, gadget

D

dashboard

1 A self-contained application that displays real-time or static data as content-rich gadgets on a web page. The gadgets display business information or accept user input to change the content of a linked gadget. A dashboard also supports creating new gadgets. BIRT Designer Professional and the dashboard editor in Information Console support designing and displaying dashboards. Actuate JavaScript API (JSAPI) also supports the presentation and linking of Actuate gadgets on a dashboard. Figure G-2 shows a dashboard.

2 In Metrics Management, an information pane that shows detailed information about a specific measure or location in a view, briefing book, or map. A dashboard can contain data charts, index charts, data tables, and commentary about measure performance.
Related terms
Actuate BIRT Designer Professional, Actuate JavaScript API (JSAPI), briefing book, commentary, Information Console, location, map, measure, Reportlet, view

Contrast with
dashboard design (.dashboard) file, Dashboards option, gadget design (.gadget) file

dashboard design (.dashboard) file
A file created using BIRT Designer Professional that contains one or more dashboard pages.

Related terms
Actuate BIRT Designer Professional, dashboard, file types

Dashboards option
A BIRT iHub System option that supports viewing data in a dashboard. Dashboards option also supports editing BIRT dashboards on Information Console. Presenting BIRT content in a dashboard also requires a separately purchased BIRT option.

Related terms
BIRT iHub System options, BIRT option, dashboard, data, Information Console

data
Information stored in databases, data objects, flat files, information objects, and other data sources. Dashboards and reports are typical vehicles for presenting structured data.

Related terms
dashboard, data object, data source, flat file, information object, report
data binding

See column binding.

data connection definition (.dcd) file

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

Related terms
connection property, data source, file types, Information Object Design perspective

data element

A report item that displays a value from a field in a data set or a computed value.

Related terms
computed value, data set, field, report item

Contrast with
text element

Data Explorer

An Eclipse view that shows the data cubes, data sets, data sources, report parameters, and variables used in a report. Use Data Explorer to create, edit, or delete these report element types.

Related terms
cube, data set, data source, parameter, report, report element

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 measure

In Metrics Management, a type of measure that contains data. Data can be imported or entered manually into a data measure. Data measures are always at the lowest level of a view structure, and their data is aggregated at higher levels, such as a formula measure or a group measure.

Related terms
data, formula measure, group measure, measure, Metrics Management, view

data object

A predesigned data specification created from cube and data set definitions. A developer uses BIRT Designer Professional to create a data object. Interactive Crosstabs consume data from a data object. Use of a data object in Report Studio conceals underlying data complexity from business users.

Related terms
Actuate BIRT Designer Professional, cube, data set, Interactive Crosstabs
Contrast with
data object design (.datadesign) file, data object store (.data) file, information object

data object design (.datadesign) file
An XML (Extensible Markup Language) file that contains the definition of a data object.
Related terms
data object, file types

data object store
A snapshot of data output from a BIRT data object design (.datadesign) file.
Related terms
data object design (.datadesign) file, file types
Contrast with
data object store (.data) file

data object store (.data) file
A file that contains a data object store as a persistent data repository.
Related terms
data, data object store, file types, repository

data point
A point on a chart that corresponds to a particular pair of x- and y-axis values.
Related term
chart
Contrast with
data row, data set

data row
One row of data returned by a data set.
Related terms
data, data set, row
Contrast with
data point, data source

DataService
An Actuate JavaScript API class that connects to an Actuate web application service to retrieve data from BIRT reports.
Related terms
Actuate JavaScript API (JSAPI), data, report

data set
A data row definition, which is a collection of data fields retrieved or computed from a data source. A data set provides data rows to a report.
Related terms
data, data row, data source
data set parameter

A parameter associated with a data set column that restricts the number of data rows that a data set supplies.

**Related terms**
column, data row, data set, parameter

**Contrast with**
report parameter

data source

A relational database or other data repository. For example, a data object, a flat file, an information object, a Java application, or an XML (Extensible Markup Language) file can be a data source. This data source provides data rows to a report or a gadget on a dashboard through a data source element.

**Related terms**
dashboard, data, data object, data row, data source element, flat file, gadget design (.gadget) file, information object, report

**Contrast with**
data set

data source element

An item containing connection information for a data source.

**Related terms**
connection, data source

**Contrast with**
data set

data source map (.sma) file

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

**Related terms**
Actuate BIRT Designer Professional, data source, file types, information object, table, view

**Contrast with**
Actuate SQL

data store

A data repository. BIRT iHub uses a third-party RDBMS, such as PostgreSQL or Oracle, as a data store for BIRT iHub System and volume metadata.

**Related terms**
Actuate BIRT iHub, data, repository, volume
**data type**  The structure of a value that constrains its characteristics, such as the information the values can hold and permitted operations.

1 Internal data types used by BIRT include Date, Double, Integer, Time, Timestamp, and Varchar. 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. BIRT provides the external data types, date-and-time, number, and string data types, to format values in a report.

2 Data types in Actuate SQL include Decimal, Double, Integer, Timestamp, and Varchar. Actuate SQL data types map to data types in supported databases.

**Related terms**
Actuate SQL, data source, date-and-time data type, Decimal data type, Integer data type, Timestamp data type

**DataMart**  In Metrics Management, a specialized data warehouse. A DataMart contains a snapshot of data for export to a Microsoft SQL Server or Oracle relational database format for external reporting and analysis purposes.

**Related term**
Metrics Management

**date-and-time data type**  A data type used in a report item to display date, date-and-time, or time values. The appearance of these values depends on locale and format settings specified by your computer and the report design.

**Related terms**
data type, design, locale, report, report item

**Contrast with**
Timestamp data type

**Decimal data type**  An Actuate SQL data type that includes fixed-point numbers consisting of up to 100 digits.

**Related terms**
Actuate SQL, data type

**Contrast with**
Integer data type

**delete privilege**  See privilege.

**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**
Eclipse, plug-in, run time
**design**  
A dashboard or report specification or the act of creating such a specification. The design process includes selecting data, laying out content visually, and saving that layout. A developer creates and edits a design using BIRT Designer Professional, the dashboard editor, or Report Studio.  

**Related terms**  
Actuate BIRT Designer Professional, dashboard, data, layout, report, Report Studio

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**design time**  
The period of time in which a developer creates a design specification.  

**Related term**  
design  
**Contrast with**  
run time

---

**dimension**  
A category containing measures. For example, in a cube, a sales dimension includes average price and total units of products. BIRT Designer Professional, Interactive Crosstabs, and Report Studio support defining and using dimensions.  

**Related terms**  
Actuate BIRT Designer Professional, category, cube, Interactive Crosstabs, measure, Report Studio

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**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. For example, BIRT Designer Professional displays this alternative name as a column heading in a report.  

**Related terms**  
Actuate BIRT Designer Professional, column, property, report, Report Object Model (ROM), report parameter, series  
**Contrast with**  
alias

---

**display range**  
The time period for which Metrics Management displays data and information.  

**Related terms**  
data, Metrics Management

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**Distribution service**  
See Message Distribution service.

---

**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.
Contrast with structured content

**drill down**
In Metrics Management, the ability to choose a measure or location box in a view or section to reveal the submeasures and sublocations below it in the hierarchy.

**Related terms**
Metrics Management, section, sublocation, submeasure, view

**driver**
An interface that supports communication between an application and another application, such as a database. For example, BIRT iHub uses drivers to communicate with third-party programs. Actuate products use Java Database Connectivity (JDBC) drivers to communicate with databases.

**Related terms**
Actuate BIRT iHub, Java Database Connectivity (JDBC)

Contrast with autoarchive driver

**dynamic filter parameter**
A parameter associated with a database column that creates an expression to extend the query’s WHERE clause dynamically. The tools that support dynamic filter parameters are BIRT Designer Professional and Information Console. For example, in Figure G-3, the values in the first dynamic filter parameter translate to the following SQL (Structured Query Language) expression:

WHERE PRODUCTLINE IN ('Planes', 'Trains')

![Figure G-3 Dynamic filter parameters](image)

**Related terms**
Actuate BIRT Designer Professional, Information Console, parameter

**Contrast with**
static parameter

**dynamic text element**
A report item that adjusts its size to display varying amounts of HyperText Markup Language (HTML) or plain text.

**Related terms**
report, report item
E

EasyScript

A set of functions and associated syntax used to build expressions in Actuate BIRT as an alternative to JavaScript. Using EasyScript supports converting the expression to a live Excel formula in an exported spreadsheet.

Related term
Actuate BIRT technology

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
framework, plug-in, run time

Contrast with
Business Intelligence and Reporting Tools (BIRT)

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).

Related terms
Eclipse, Eclipse Workbench, information object

Contrast with
view

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, resource

Eclipse Workbench

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

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

effective security

In Metrics Management, effective security represents the actions that a user can perform on a specific object after considering the user’s group membership, object security, related action, publisher hierarchy, and user privilege settings.

Related terms
Metrics Management, object-level security, publisher, user privilege
**ellipsis**

A button that opens tools used to perform tasks, such as navigating to a file.

**Encyclopedia process**

See server processes.

**Encyclopedia service**

See server service.

**error log**

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

*Related term*

BIRT iHub System

*Contrast with*

usage log

**escape character (\)**

A character that precedes a multibyte character or non-printing ASCII character in a search expression. For example, \t represents the Tab character.

**event-based job scheduling**

A BIRT iHub mechanism that supports scheduling a job based on various types of events, such as the appearance of a file or folder, the completion of a job, or the occurrence of a custom event. A custom event uses a web service to communicate with BIRT iHub.

*Related terms*

Actuate BIRT iHub, job

*Contrast with*

event handler, event listener

**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, 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.

*Contrast with*

event handler
execute privilege
   See privilege.

expression builder
   A tool for selecting data fields, functions, and operators to write expressions.
   Related terms
data, field

external procedure object (.epr) file
   A file created using the Information Object Design perspective that represents a stored procedure or open data access (ODA) data source query.
   Related terms
data source, file types, Information Object Design perspective, open data access (ODA)

F

factory
   A process that generates a report document from a report executable file.
   Related terms
   report, server processes
   Contrast with
   file types, server service

Factory process
   See server processes.

Factory service
   See server service.

failover
   A mechanism for switching to a standby system when a primary system fails. This type of system design guarantees high availability with limited down-time. A BIRT iHub System cluster has built-in failover capability for its nodes.
   Related terms
   BIRT iHub 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.
   Related terms
column, query editor, table
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**
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 System Console.
<table>
<thead>
<tr>
<th>Information Console display name</th>
<th>File extension</th>
<th>Icon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuate BIRT Cube View</td>
<td>CUBEVIEW</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Actuate BIRT Dashboard</td>
<td>DASHBOARD</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Actuate BIRT Data Object Design</td>
<td>DATADESIGN</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Actuate BIRT Data Object Store</td>
<td>DATA</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Actuate BIRT Design</td>
<td>RPTDESIGN</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Actuate BIRT Document</td>
<td>RPTDOCUMENT</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Actuate BIRT Gadget</td>
<td>GADGET</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Actuate BIRT Library</td>
<td>RPTLIBRARY</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Actuate BIRT Template</td>
<td>RPTTEMPLATE</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Actuate External Procedure Object</td>
<td>EPR</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Actuate Information Object</td>
<td>IOB</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Adobe PDF File</td>
<td>PDF</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Comma Separated Values File</td>
<td>CSV</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>Data Source Map</td>
<td>SMA</td>
<td><img src="image" alt="Icon" /></td>
</tr>
<tr>
<td>HTML document</td>
<td>HTM</td>
<td><img src="image" alt="Icon" /></td>
</tr>
</tbody>
</table>
### Table G-1  
File types

<table>
<thead>
<tr>
<th>Information Console display name</th>
<th>File extension</th>
<th>Icon</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTML document</td>
<td>HTML</td>
<td><img src="image" alt="HTML" /></td>
</tr>
<tr>
<td>Microsoft Excel Spreadsheet</td>
<td>XLS</td>
<td><img src="image" alt="E" /></td>
</tr>
<tr>
<td>Microsoft Excel Spreadsheet (2007)</td>
<td>XLSX</td>
<td><img src="image" alt="E" /></td>
</tr>
<tr>
<td>Microsoft PowerPoint Presentation</td>
<td>PPT</td>
<td><img src="image" alt="P" /></td>
</tr>
<tr>
<td>Microsoft PowerPoint Presentation (2007)</td>
<td>PPTX</td>
<td><img src="image" alt="P" /></td>
</tr>
<tr>
<td>Microsoft Word Document</td>
<td>DOC</td>
<td><img src="image" alt="W" /></td>
</tr>
<tr>
<td>Microsoft Word Document (2007)</td>
<td>DOCX</td>
<td><img src="image" alt="W" /></td>
</tr>
<tr>
<td>Pipe Separated Values File</td>
<td>PSV</td>
<td><img src="image" alt="PSV" /></td>
</tr>
<tr>
<td>PostScript Document</td>
<td>PS</td>
<td><img src="image" alt="PS" /></td>
</tr>
<tr>
<td>Rich Text Format</td>
<td>RTF</td>
<td><img src="image" alt="RTF" /></td>
</tr>
<tr>
<td>Tab Separated Values File</td>
<td>TSV</td>
<td><img src="image" alt="TSV" /></td>
</tr>
<tr>
<td>Text File</td>
<td>TXT</td>
<td><img src="image" alt="TXT" /></td>
</tr>
</tbody>
</table>

### Related terms
- cube view (.cubeview) file, dashboard design (.dashboard) file, data connection definition (.dcd) file, data object design (.datadesign) file, data object store (.data) file, data source map (.sma) file, external procedure object (.epr) file, gadget design (.gadget) file, information object, information object (.iob) file, library (.rptlibrary) file, report design (.rptdesign) file, report document (.rptdocument) file, report template (.rpttemplate) file

### filter
A mechanism that enables a user to reduce the number of items in a list.
1. In Metrics Management, the conditions used to collect measures that create a section.

2. In BIRT dashboards, a mechanism used to reduce the number of items in a list.

**Related terms**
measure, section

**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. Adobe Flash Reader is required to view Flash charts.

**Related terms**
chart, report item

**Contrast with**
chart element, Flash gadget element, Flash object element

**Flash gadget element**
A report item that uses Flash technology provided by Infosoft Gadgets to produce chart-like visualizations. A Flash gadget typically displays a single value or a set of independent values, such as a meter or a gauge. A gadget typically represents a less complex set of data than a chart. Adobe Flash Reader is required to view Flash gadgets.

**Related terms**
chart, data, report item

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

formula measure
In Metrics Management, a type of measure that applies a formula to data measures to calculate a value. A formula measure must be a parent measure.

Related terms
measure, Metrics Management

Contrast with
data measure, group measure, submeasure

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

Related term
BIRT Chart Engine

G

gadget  A small program that runs on a BIRT dashboard to support visualization of data or provide data selection. Gadgets on the same dashboard can communicate.

Related term
dashboard

gadget design (.gadget) file
A file created using BIRT Designer Professional or Information Console.

1 An Actuate gadget, using the Actuate specification, is either embedded in the dashboard page or shared as a separate file. An Actuate gadget presents web content as a cross tab, external web page, formatted text, interactive chart, report, or Reportlet.

2 A container for a link to a Google® gadget, which is stored externally.

Related terms
Actuate BIRT technology, dashboard, file types, report, Reportlet

grant privilege
See privilege.
grid element
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.

Related terms
cell, column, report item, row

Contrast with
list element, table element

group
1 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.

2 In Metrics Management, a collection of users for which security can be defined on objects. Most objects have delete, edit, and view security actions.

Related terms
data row, Metrics Management, object, object-level security, report

Contrast with
group key, grouped report, user group, user privilege

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, group

group measure
In Metrics Management, a type of measure that consists of a weighted average of the values of its submeasures. A group measure must be a parent measure.

Related terms
measure, Metrics Management, submeasure

Contrast with
data measure, formula measure

grouped report
A report that organizes data by common values. For example, a report developer can create a grouped report organizing data by customer name.

Related terms
data, report

Contrast with
group

headline
A component of the job completion notice. A headline is a document description that appears below the job name on the Notifications page in Information Console.
hierarchy
Any tree structure that has a root and branches that do not converge. Figure G-4 shows an example hierarchy of classes.

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

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.

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.

iHub
See Actuate BIRT iHub.
image
A graphic that appears in a report. BIRT supports .bmp, .gif, .ico, .jif, .jpe, .jpeg, .jpg, .png, .svg, .tif, and .tiff file types.

Related term
report

Contrast with
image element

image element
A report item that supports adding an image to a report design.

Related terms
design, image, report, report item

impersonation
In Metrics Management, the ability to allow one user to impersonate another. This functionality is primarily used by a system specialist. Impersonation enables the system specialist to test the privileges and security that are defined for a user.

Related terms
Metrics Management, Metrics Management system specialist, user privilege

index mapping
In Metrics Management, functionality that allows users to map the default index range values to customized index values. For example, measuring stock turnover using a bipolar index mapping maps both high and low index values to Poor. Here a high index value can indicate that the organization needs to purchase more of the product, and a low value may indicate that the organization needs to improve its marketing of the product.

Related terms
index range, index value, Metrics Management

index range
In Metrics Management, a color and a label that characterize a range of index values to describe performance. For example, the color green and the label Excellent can describe the range of index values between 150% and 200%.

Related terms
index value, Metrics Management, performance

index value
In Metrics Management, a percentage between 0% and 200% that reflects the performance of a measure. Metrics Management calculates this figure using a base series and a comparison series. An index value of 100% or greater indicates that the measure is performing well, regardless of the polarity of the measure.

Related terms
base series, measure, Metrics Management, polarity

Contrast with
comparative, comparison series
Information Console

An Actuate BIRT iHub platform that supports editing, running, and viewing dashboards and reports stored in a volume. This platform also provides volume management functions, such as setting up security, users, and user groups for BIRT iHub.

Related terms
Actuate BIRT iHub, dashboard, report, user group, volume

Information Delivery API (IDAPI)

An application programming interface (API) using Extensible Markup Language (XML) and Simple Object Access Protocol (SOAP) messaging for programmatic support of BIRT iHub System administration.

Related terms
application programming interface (API), BIRT iHub System

Contrast with
Actuate JavaScript API (JSAPI), Actuate REST API

information link

In Metrics Management, a link to a specific document, URL, or other source of information to which a user has shared access, such as a company web site. There are three types of information links: database information links, location information links, and measure information links.

Related terms
link, location, measure, Metrics Management

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 report developer or business user who uses the information object as a data source in BIRT Designer Professional or Report Studio does not require detailed knowledge of the underlying data sources.

Related terms
Actuate BIRT Designer Professional, data, data source, open data access (ODA), Report Studio, table, view

Contrast with
Actuate SQL, data object, Information Object Design perspective, object

Information Object 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.

Related terms
Actuate SQL, data, data source, information object, Interactive Crosstabs
information object (.iob) file
A file type that contains an Actuate SQL query. Data modelers create information objects using the Information Object Design perspective.

Related terms
Actuate SQL, file types, information object, Information Object Design perspective

initiative
In Metrics Management, a task belonging to a measure and location pair that typically addresses a problem with a measure’s performance, or defines goals related to the organization’s performance management strategy.

Related terms
location, measure, Metrics Management, performance, performance management

Contrast with
subinitiative

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

Contrast with
outer join

input source
See data source.

instance
See object.

Integer data type
An Actuate SQL data type that stores whole numbers, ranging in value from -2,147,483,648 to 2,147,483,647.

Related terms
Actuate SQL, data type

Contrast with
Decimal data type

Integration process
See server processes.

Integration service
See server service.
Interactive Crosstabs

A tool that provides interactivity in a BIRT cross tab and supports data analysis. Interactive Viewer, Report Studio, and BIRT dashboards support using Interactive Crosstabs.

**Related terms**
Actuate BIRT technology, BIRT iHub System options, cross tab, Interactive Viewer option, Report Studio option

**Contrast with**
data object

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**
data, filter, group, layout, report

**Contrast with**
Actuate BIRT technology, Interactive Viewer option, Report Studio, Viewer

Interactive Viewer option

A BIRT iHub System option that supports filtering, formatting, and viewing BIRT reports. For example, the user can change the ordering of data values, and hide or show detail rows. BIRT iHub System options are separately purchased products.

**Related terms**
BIRT iHub System options, report, row

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

internationalization

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

**Related term**
locale

**Contrast with**
localization

IO Design perspective

See Information Object Design perspective.

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. A worked example using this API is part of Actuate BIRT iHub Integration Technology.

Related terms
application programming interface (API), authentication, BIRT iHub Integration Technology

Contrast with
Report Server Security Extension (RSSE)

iServer
See Actuate BIRT iHub.

J

Java Database Connectivity (JDBC)

A standard protocol used to access databases in a platform-independent manner.

Contrast with
data element

JDBC
See Java Database Connectivity (JDBC).

job
In BIRT iHub System, a request from a user to convert the format of a report, generate a report, or print a report. Converted and generated files are stored in a volume. A job schedule specifies the date, time, and recurrence of a job.

Related terms
BIRT iHub System, job schedule, report, request, volume

Contrast with
completed job, pending job, running job, scheduled job

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
job, report, run, temporary report

job schedule

A schedule to run a report or convert a BIRT document to a different format. BIRT iHub System supports running jobs at one or more specified times or intervals.

Related terms
BIRT iHub 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. 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 SELECT statement shows joins that use the custID columns:

```sql
SELECT customers.custID, orders.orderID, orders.shipByDate
FROM customers, orders
WHERE customers.custID = orders.custID
ORDER BY customers.custID, orders.shipByDate, orders.orderID
```

**Related terms**
field, result set, SQL SELECT statement, table

**Contrast with**
inner join, join condition, outer join

**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

**joint data set**
A data set that combines data from two or more data sets.

**Related terms**
data, data set

**JSAPI (Actuate JavaScript API)**
See Actuate JavaScript API (JSAPI).

**K-L**

**label element**
A report item that displays a short piece of static text in a report. For example, a report developer can use label elements as column headings in a table header row.

**Related terms**
column, report item, row, table

**Contrast with**
data element, dynamic text element, text element
layout The designed appearance of a dashboard or report. Designing a layout entails arranging items on a page so that a user can analyze the information easily. A dashboard displays information in a combination of gadgets such as charts, lists, and maps. A report displays information in a combination of charts, footers, headers, paragraphs, subreports, and tabular lists.

Related terms chart, dashboard, gadget, page, report, report item, subreport

layout editor A tool in a report designer in which a report developer arranges, formats, and sizes report items.

Related terms design, report, report item

Contrast with report editor

left outer join See outer join.

level-break listing See grouped report.

library 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 developer uses a report designer to develop a library and to retrieve report elements from that library for use in a dashboard, gadget, or report design.

Related terms dashboard, data set, data source, design, gadget, image, report element, report item, style

Contrast with file types

library (.rptlibrary) file An Extensible Markup Language (XML) file that contains reusable and shareable report elements, including Actuate BIRT technology such as Actuate BIRT data object and report document data sources, HTML buttons, and HTML 5 charts.

Related terms Actuate BIRT technology, data object, data source, design, file types, HTML button, library, report element

Contrast with report design (.rptdesign) file

link A feature that enables a user to access information outside of Metrics Management, such as documents or web sites. Locations and measures support information links specific to the item.
list element

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
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.

Related terms
data, data row, report

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 geography-based locales: Beijing and Hong Kong. Canada has two language-based locales: French and English.

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 design so that a dashboard, gadget, or report displays text in the language that is appropriate to the locale configured on the user’s machine.

Related terms
dashboard, gadget, locale, report

Contrast with
internationalization

location

In Metrics Management, a geographic or operational unit within an organization that supports the application of hierarchical measures.

Related terms
measure, Metrics Management

location consolidation

In Metrics Management, the mathematical method used to combine data across locations. Metrics Management supports sum and average consolidations across locations.
Related terms
consolidation, location, Metrics Management

location hierarchy
In Metrics Management, the relationship between locations. For example, an organization might have several offices in different geographical locations and several divisions within these offices. The location structure would have the separate divisions at the bottom of the structure, the different geographical locations at the level above, and then the Total organization location at the top.

Related terms
location, Metrics Management

location owner
In Metrics Management, an individual who is accountable for performance of measures for a specific location.

Related terms
location, measure, Metrics Management, performance

locked period
In Metrics Management, a period for which users cannot enter data. Typically, a locked period is one that was previously completed.

Related term
Metrics Management

Contrast with
beyond completed period, completed period, current period, period range

M

Management Console
See Information Console.

map
In Metrics Management, an interactive, visual representation of performance information. Examples of types of maps include cause-and-effect, geographical, process, and strategy. A map can contain links to other objects, such as briefing books. A user also can drill down through a map to the underlying data.

See also data source map (.sma) file.

Related terms
briefing book, drill down, link, measure, Metrics Management, object, performance

mashup
A web application that combines data and functionality from multiple sources into a single presentation. For example, the Google Maps® mashup combines maps and directions to assist a user in locating and traveling to a destination.
Related term
data

master page
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’s header and footer content appears on every page of the report in paginated formats.

Related terms
layout, report, report element

Contrast with
template

measure
1 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, Report Studio, and gadgets on a dashboard support defining and using measures.

3 In Metrics Management, a performance component that collects quantifiable data about a function or process. In Metrics Management, there are three types of measures: data, formula, and group.

Related terms
Actuate BIRT Designer Professional, cube, dashboard, data, data measure, formula measure, gadget design (.gadget) file, group measure, Metrics Management, performance, process, Report Studio

Contrast with
dimension

measure detail export
In Metrics Management, a detailed summary of the characteristics and attributes of all measures in the database that is exported to an XLS file. The measure detail export can be used to perform a quality assessment on a database.

Related terms
measure, Metrics Management, Metrics Management database

measure owner
In Metrics Management, an individual or group who is directly responsible for the results that a measure tracks. A measure owner also provides a commentary to explain the performance.

Related terms
commentary, group, measure, Metrics Management, performance

Contrast with
object owner
measure hierarchy
In Metrics Management, the presentation relationship between measures. Data measures are at the bottom of the hierarchy, with formula and group measures above them.

Related terms
data measure, formula measure, group measure, measure, Metrics Management

Contrast with
location hierarchy

member
A user who is assigned to a user group in a volume.

Related terms
user group, volume

Message Distribution service
See server service.

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

Related terms
Balanced Scorecard, BIRT Analytics, data, measure, performance, performance management

Metrics Management database
A structured collection of records and data that is stored on a server. Metrics Management accesses these records to answer queries and to save objects.

Related terms
Metrics Management, object

Metrics Management object
See object.

Metrics Management option
A separately licensed BIRT iHub System option that supports users deploying, running, and viewing Metrics Management gadgets embedded in a dashboard page. Metrics Management option requires Dashboards option. BIRT iHub System options are separately purchased products.

Related terms
BIRT iHub System options, Dashboards option, gadget, Metrics Management
**Metrics Management system specialist**

The individual responsible for setting up and maintaining the Metrics Management database. This person has unlimited access to the database and can limit what other users see by changing security and privilege settings.

**Related terms**
Metrics Management, Metrics Management database, object-level security, user privilege

**Contrast with**
location owner, measure owner, publisher

**migration**

For BIRT iHub, the process of installing and configuring Release 3.1 or higher and moving the data and files from BIRT iServer Release 11 series or BIRT iHub Release 2.

**Related term**
Actuate BIRT iHub

**Contrast with**
switching, upgrading

**monitor agent**

See server processes.

**monitor service**

See server service.

**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-5 shows a multicolumn report.

---

**Mailing Labels example**

<table>
<thead>
<tr>
<th>Advanced Design Inc.</th>
<th>Computer Systems Corp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marla Hernandez</td>
<td>Peter Chandler</td>
</tr>
<tr>
<td>5905 Pompton St.</td>
<td>4030 Long Airport Avenue</td>
</tr>
<tr>
<td>NYC, NY 10022</td>
<td>Newark, NJ 94019</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technical Design Inc.</th>
<th>SigniDesign</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kwai Yu</td>
<td>Julie Jennings</td>
</tr>
<tr>
<td>897 Long Airport Avenue</td>
<td>4193 First Street</td>
</tr>
<tr>
<td>NYC, NY 10022</td>
<td>Newark, NJ 94019</td>
</tr>
</tbody>
</table>

**Figure G-5** A multicolumn report

**Related terms**
data, report
multidimensional analysis

In Interactive Crosstabs, a process that applies data filters simultaneously to multiple dimensions of a cube to examine relationships among those dimensions.

**Related terms**
cube, dimension, Interactive Crosstabs, process

**Contrast with**
big data analysis, 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 Interactive Crosstabs and BIRT technology to present and analyze complex relationships.

**Related terms**
BIRT technology, data, dimension, field, filter, Interactive Crosstabs

**Contrast with**
multidimensional analysis

Multi-Tenant option

A BIRT iHub System option that supports using more than one volume. BIRT iHub System options are separately licensed products.

**Related terms**
Actuate BIRT iHub, BIRT iHub System options, volume

N

named path

In Metrics Management, a shortcut to an application, file, or folder on a network. Using named paths can help save time when creating alerts and links or when importing and exporting data. A system specialist uses database configuration to create and maintain named paths.

**Related terms**
link, Metrics Management, Metrics Management database, Metrics Management system specialist

Navigator

An Eclipse view that shows all projects, libraries, reports, and associated files within each project. Each project is a directory in the file system. Use Navigator to manage project files.

**Related terms**
Eclipse project, report

nested report

See subreport.
| **node** | 1  | A computer that is part of a BIRT iHub 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 iHub, cluster, hierarchy

| **note** | In Metrics Management, additional information about a measure that appears on the Info tab in a dashboard. A note can be defined for a measure in the measure’s setup form. |

**Related terms**
dashboard, measure, Metrics Management

| **notification** | 1  | A message sent by e-mail or listed on the Notifications page in Information Console. |
|                  | 2  | A message from the Actuate BIRT iHub server regarding the status of a scheduled report. |

**Related terms**
Actuate BIRT iHub, Information Console, job, report, request, System Console

**Contrast with**
job completion notice

| **null** | A value indicating that a variable or field contains no data. |

**Related terms**
data, field

| **O** |

| **object** | 1  | An instance of a particular class, including its characteristics. An object has properties and methods. |
|           | 2  | In Metrics Management, an item that has a defined set of properties. For example, briefing books, filters, locations, maps, and users are all objects. |

**Related terms**
briefing book, filter, location, map, Metrics Management, property

**Contrast with**
information object, object owner, object-level security

| **object aging** | See autoarchive. |
**object owner**

In Metrics Management, the user assigned as the owner of an object. By default, the object owner is the user or group who created the object. The object has security settings specific to the object owner.

**Related terms**
- group, Metrics Management, object

**Contrast with**
- object-level security

**object type**

In Metrics Management, the structure of an object that constrains its characteristics, such as properties and permitted operations. For example, location is an object type, and UK and South America are specific location objects.

**Related terms**
- location, Metrics Management, object

**Contrast with**
- object owner, object-level security

**object-level security**

In Metrics Management, a set of security permissions defined at the object level. A system specialist or object owner defines object-level security. Acting on an object requires both the appropriate privileges and security settings.

**Related terms**
- Metrics Management, Metrics Management system specialist, object, object owner, user privilege

**ODA**

See open data access (ODA).

**on-demand request**

See synchronous.

**Online Archive Driver API**

An application programming interface (API) that provides a Simple Object Access Protocol (SOAP)-based interface between BIRT iHub and external archive software.

**Related terms**
- Actuate BIRT iHub, application programming interface (API)

**open data access (ODA)**

A technology that handles communication between a data source and an application, providing interfaces for creating data drivers to establish connections, access metadata, and execute queries to retrieve data. The Eclipse Data Tools Project plug-ins provide ODA to Actuate BIRT technology. BIRT iHub System and the Information Object Design perspective can use Eclipse plug-ins to implement ODA capability.
**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. BIRT iHub System and BIRT Designer Professional can use ODA drivers implemented as an Eclipse plug-in to the Data Tools Platform project.

**Related terms**
Actuate BIRT Designer Professional, Actuate BIRT iHub, Actuate BIRT technology, data, data source, driver, Eclipse, open data access (ODA), plug-in

**order of calculation**

In Metrics Management, the mathematical order of operation used to calculate performance across measures, locations, and periods.

**Related terms**
location, measure, Metrics Management, performance

**Contrast with**
period consolidation

**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

**Contrast with**
inner join

**Outline**

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.
**Related terms**
design, hierarchy, library, report, report element, template

**owner**
See object owner.

**P**

**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.

**Related term**
tab

**Contrast with**
master page

**Page Level Security option**
A BIRT iHub System option that controls access to Actuate BIRT report content. A user name or user group determines access to report pages. Page Level Security option requires BIRT option. BIRT iHub System options are separately purchased products.

**Related terms**
Actuate BIRT technology, BIRT iHub System options, BIRT option, page, report, user group

**Contrast with**
access control list (ACL)

**Palette**
An Eclipse view that shows the report items used to display and organize data in a report.

**Related terms**
data, report, report item

**pane**
An area in a user interface. For example, Figure G-6 shows the navigation pane in Information Console.

![Navigation pane](image_url)
Related term
Information Console

**parameter**
1. A report element or variable that provides input to the execution of the report.
   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.
3. The definition of an argument to a procedure.

**Related terms**
Actuate SQL, data filter, report, report element

**Contrast with**
cascading parameters, data set parameter, dynamic filter parameter, report parameter

**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.

**Related terms**
design, parameter, report

**Contrast with**
Parameters page

**Parameters page**
In Information Console, a page that prompts a user to enter values for parameters when generating a report.

**Related terms**
Information Console, page, parameter, report

**partition**
See storage location.

**password**
An optional code that restricts user name access to a resource on a computer system. Passwords can use a mixture of case, alphabetical, and numeric characters to increase security.

**Related term**
user name

**Contrast with**
user group

**pending job**
A job on an iHub volume that is waiting for resources to become available so that the job can run.
**Related terms**
job, volume

**Contrast with**
completed job, running job, scheduled job

**performance**
In Metrics Management, progress in strategies, goals, and other activities that may contribute to achieving organizational objectives.

**Contrast with**
commentary, Metrics Management, performance calculation, performance management

**performance calculation**
In Metrics Management, a calculation that combines data to show performance. Typically, this calculation is the aggregate of measure data over a period of time.

**Related terms**
measure, Metrics Management, performance

**performance commentary**
See commentary.

**performance management**
In Metrics 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, Metrics Management, performance

**performance map**
See map.

**performance range**
In Metrics Management, a set of five index ranges. The five index ranges are percentage values that total 200%. Each index range has a color and label that indicate a measure’s performance.

**Related terms**
index range, measure, Metrics Management, performance

**period consolidation**
In Metrics Management, the mathematical method used to combine data across time periods, such as sum, average, and take last known value.

**Related term**
Metrics Management
period range

In Metrics Management, a defined period of time for which data is consolidated and displayed.

**Related term**
Metrics Management

persistent report

A report document stored in a volume.

**Related terms**
report, volume

**Contrast with**
temporary report

personal folder

See home folder.

drug

See Eclipse perspective.

plug-in

1 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, and uses lazy load to access the extension.

2 A software program that extends the capabilities of a web browser.

**Related terms**
Eclipse, run time

polarity

In Metrics Management, a property of a measure that indicates how a high or low data value is interpreted in terms of performance. For example, High values are good is a suitable polarity for a sales measure whereas High values are bad is suitable for a measure of customer complaints.

**Related terms**
measure, Metrics Management, performance

**Contrast with**
index value

privilege

A level of access to an item in a volume. Users have privileges either directly or through user groups. These privileges include, for example, the ability to delete, execute, read, and write to an object. Both the user who places an item in the
volume and the administrator have all privileges for that item. Table G-2 lists the privileges a user can be granted for each item in a volume. See user privilege.

### Table G-2 Privileges

<table>
<thead>
<tr>
<th>Privilege</th>
<th>Enabled functionality in an iHub volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delete</td>
<td>Remove items from a volume.</td>
</tr>
<tr>
<td>Execute</td>
<td>Run items from the volume.</td>
</tr>
<tr>
<td>Grant</td>
<td>Extend privileges for a specific item in the volume to other users.</td>
</tr>
<tr>
<td>Read</td>
<td>Open, work with, print, and download an item in the volume.</td>
</tr>
<tr>
<td>Secure read</td>
<td>Read secure parts of a report in the volume. To use secure read, the user must have Page Level Security option available and assigned.</td>
</tr>
<tr>
<td>Trusted execute</td>
<td>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.</td>
</tr>
<tr>
<td>Visible</td>
<td>View items in the volume.</td>
</tr>
<tr>
<td>Write</td>
<td>Place and modify an item in a location in an Encyclopedia volume.</td>
</tr>
</tbody>
</table>

**Related terms**
administrator, data source, data source map (.sma) file, information object, information object (.iob) file, object, Page Level Security option, user group, volume

**process**
A computer program that has no user interface such as a servlet. The servlet that generates a BIRT report is a BIRT iHub System internal process configurable through System Console.

**Related terms**
BIRT iHub System, Business Intelligence and Reporting Tools (BIRT), Configuration Console, report

**Contrast with**
server processes

**progressive viewing**
A mechanism that displays the first page of a report in a web browser as soon as it generates. This option is available for unscheduled jobs only.

**Related terms**
job, report

**Contrast with**
synchronous

**project**
See Eclipse project.
Properties  A grouped alphabetical list of all properties of report elements in a report design. Report developers use this Eclipse view to modify any property of a report element.

Related terms  design, property, report, report 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 term  font, label element, report item

Property Editor

An Eclipse view that displays sets of key properties of report elements in a report design. Property Editor groups properties into pages of categories, appropriate to the type of element. The report developer uses Property Editor to modify those properties.

Related terms  design, property, report, report element

Contrast with  Properties

publish  1 To copy files to a shared folder to make them available to developers and users of dashboards, gadgets, and reports. Actuate BIRT Designer Professional publishes libraries and resource files to the resources folder. Published templates reside in the templates folder.

2 Using BIRT Designer Professional, to upload files to a volume to make them available on Information Console. Authorized users can run published report executable files

3 In Metrics Management, to assign the published attribute to an object. If an object is not published, it can only be viewed by the object’s owner and a system specialist.


publisher  In Metrics Management, the user who makes an object available to other users. The object’s owner is the object’s publisher, by default, but the owner can assign another user as the publisher.

Related terms  Metrics Management, object, object owner
Q

query editor

A tool used to write a statement that retrieves data from a data source.

Related terms
data, data source

query parameter

See parameter.

R

read privilege

See privilege.

rendering extension

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), 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.

Related terms
category, data source, filter, location, measure, section, structured content, view

Contrast with
data source

report design (.rptdesign) file

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 Report Studio to create the report design file and the BIRT Report Engine processes to create a formatted report.

Related terms
Actuate BIRT Designer Professional, Actuate BIRT technology, BIRT Report Engine, data object, data set, data source, design, event handler, file types, HTML button, report, report item, Report Studio
report document (.rptdocument) file

A binary file that encapsulates the report item identifiers and values, and additional information, such as data rows, pagination, table of contents, and Actuate BIRT technology such as HTML buttons and HTML 5 charts. A report user accesses the document on a volume using Dashboards option or Interactive Viewer option. A report user accesses the document on a file system using Interactive Viewer or Viewer. A report developer provides access to a document on a mobile device using Actuate REST API.

Related terms
Dashboards option, data row, file types, Interactive Viewer, Interactive Viewer option, report, report item, table of contents, Viewer, volume

report editor

In BIRT Designer Professional and Report Studio, the main window where a report developer designs and previews a report. The report editor supplies the following pages: Extensible Markup Language (XML) source editor, layout editor, master page editor, and script editor.

Related terms
Actuate BIRT Designer Professional, design, layout editor, master page, report, Report Studio, script editor

Contrast with
layout editor, report design (.rptdesign) file

report element

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 HTML 5 charts and the report document data source.

Related terms
Actuate BIRT technology, data source, design, label element, report, report document (.rptdocument) file, report item, report parameter, table element

report executable file

A file that contains instructions for generating a report document.

Related term
report

Contrast with
file types

report generation process

See server processes.
**Report Item**

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 and a table element displays content in rows and columns. Actuate BIRT technology provides support for additional report items, such as HTML 5 charts.

**Related terms**
Actuate BIRT technology, column, data, data element, data set, design, report, report element, row, table element

**Contrast with**
structured content

**Report Item Extension**

A BIRT extension that a Java developer uses to create a custom report item. For example, HTML 5 charts.

**Related terms**
BIRT extension, report item

**Report, Nested**

See subreport.

**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/rom/index.html

**Related terms**
BIRT technology, 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**
BIRT technology, design, report

**Contrast with**

**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**
data set, data source, 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), Report Object Model (ROM)

**Contrast with**
Report Object Model definition file (rom.def), Report Object Model (ROM) element

**report parameter**
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**
parameter, report, report element

**Contrast with**
cascading parameters, data set parameter

**report server**
See Actuate BIRT iHub.

**Report Server Security Extension (RSSE)**
A BIRT iHub System capability that supports managing user information from an external database or security source, such as a Lightweight Directory Access Protocol (LDAP) directory server. A worked example using this API is part of Actuate BIRT iHub Integration Technology.

**Related terms**
BIRT iHub Integration Technology, BIRT iHub System, data

**Contrast with**
access control list (ACL), iPortal Security Extension (IPSE), Page Level Security option
Report 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

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

Report Studio option

A separately licensed BIRT iHub System option that supports business users who design Actuate BIRT reports. BIRT iHub System options are separately purchased products.

**Related terms**
BIRT iHub System options, BIRT option, report

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

report template

See template.

**report template (.rpttemplate) file**

An Extensible Markup Language (XML) file that contains a reusable design providing a start position for developing a new report, including report elements that support Actuate BIRT technology such as Actuate BIRT data object and report document data sources, HTML buttons, and HTML 5 charts.

**Related terms**
Actuate BIRT technology, data object, data source, design, file types, HTML button, report, report element

**Contrast with**
library (.rptlibrary) file

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. 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, report, report design (.rptdesign) file, report document (.rptdocument) file

Reportlet

In Actuate BIRT technology, a portion of a report that can be embedded in a web page.
**repository**  
A location for rich information storage. In BIRT iHub System, the repository is a volume.

**Related terms**  
BIRT iHub System, volume

**request**  
A message that an application sends to perform an action. For example, Information Console sends a request to BIRT iHub to provide the list of items in a folder using the following URI:

http://<webserver>/iportal/getfolderitems.do?folder=/

**Related terms**  
Actuate BIRT iHub, Information Console

**Contrast with**  
response

**request retry**  
In a volume, an action to resubmit a failed scheduled job.

**Related terms**  
request, scheduled job, volume

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

**Related terms**  
configuration file, image, library, template

**Contrast with**  
resource file

**resource file**  
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**  
label element, locale, report, resource key, text element

**Contrast with**  
localization, resource

**resource group**  
A specification for allocating iHub Factory processes to run designs and generate documents. A Factory process reserved for a resource group can only be used for objects specified to run in that group. For example, iHub 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 iHub, asynchronous, design, scheduled job, server processes, synchronous

**resource key**
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 term**
resource file

**response**
A message containing the result of a requested operation.

**Contrast with**
request

**REST API**
See Actuate REST API.

**restriction**
In Metrics Management, a security setting which allows a user to only enter measure commentary or data for specific commentary types, comparatives, or locations.

**Related terms**
Metrics Management, object-level security, user privilege

**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, SQL SELECT statement

**retry policy**
In a volume, settings that specify how many times and at what intervals to resubmit a failed job.

**Related terms**
job, volume

**right outer join**
See outer join.

**role**
See user group.

**ROM**
See Report Object Model (ROM).

**row**
1 A record in a table.

2 A horizontal sequence of cells in a cross tab grid element or table element.

**Related terms**
cell, cross tab, field, 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

**Contrast with**
column key

**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 design (.rptdesign) file to generate a new report document (.rptdocument) file.

**Related terms**
data, report, report design (.rptdesign) file, report document (.rptdocument) 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, 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

**run-and-save job**
A job initiated by a request from Information Console that runs immediately and saves its output on a volume.

**Related terms**
Information Console, job, request, run, volume

**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
running job
A job currently executing on an iHub volume.

Related terms
job, volume

Contrast with
completed job, pending job, scheduled job

scheduled job
A job designated to run at a particular time, save its output in a volume, and optionally repeat that process. Information Console supports creating and managing a scheduled job.

Related terms
Information Console, job, run, volume

Contrast with
completed job, run-and-save job, running job

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
member, object, parameter

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, page, report, report editor, report element

scripting language
See EasyScript.

section
1 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.

2 A Metrics Management object that contains a selected list of measures and locations, dashboards, and links to documents and maps. A briefing book can contain multiple sections.
Related terms
briefing book, dashboard, data, design, grid element, image, link, list element, location, map, measure, Metrics Management, object, report, section, table element

secure read privilege
See privilege.

security role
See user group

SELECT
See SQL SELECT statement.

select
To highlight one or more items, such as a string or an image.

series
1 In Metrics Management, a set of data that is compared against another set of data. Comparing base series data against comparison series data calculates the index for each measure.

2 A sequence of related values in a chart. Figure G-7 shows a bar chart that displays a series of three product sales revenue figures over four quarters for one year.

![Figure G-7 Series in a chart](image)

Related terms
base series, chart, comparison series, index value, measure, Metrics Management, performance

Contrast with
category

server
See Actuate BIRT iHub.

server configuration template
A set of configurable properties that defines a capacity option for the BIRT service on a cluster node. The cluster configuration file contains the template definitions. The system administrator can edit these template definitions and define new templates.
**Related terms**
Actuate BIRT iHub, capacity option, cluster, configuration file, node, server service

**server heartbeat**

In BIRT iHub System, a periodic signal issued by a cluster node to indicate that it is running. If BIRT iHub 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**
BIRT iHub System, cluster, node, request, response

**server processes**

A set of cooperating processes that supports the operation of the BIRT iHub server. Table G-3 lists the BIRT iHub server processes.

**Table G-3  Server processes**

<table>
<thead>
<tr>
<th>Server process</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agent process</td>
<td>Collates iHub log files to a central, shared location for viewing on the Alerts and Errors pages in System Console. The agent process is also known as the monitor agent. The name of the process is LMServer.</td>
</tr>
<tr>
<td>Factory process</td>
<td>Generates output from a BIRT report design. The name of the process is jfctsrvrihub.</td>
</tr>
<tr>
<td>Integration process</td>
<td>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. The name of the process is intsrvrihub.</td>
</tr>
<tr>
<td>Monitor process</td>
<td>Monitors all log files on an iHub node, digests their contents, and forwards alerts and errors to the LMServer process. The name of the process is LSTailer.</td>
</tr>
<tr>
<td>Open data access (ODA) process</td>
<td>Executes queries for information objects that use open data access (ODA) data sources.</td>
</tr>
<tr>
<td>Platform processes</td>
<td>Control all other server processes. Manage the files, folders, user groups, and users in a volume and the related functionality of that volume. Distribute activity across all available iHub cluster nodes. The names of the processes are ihub, ihubc, and ihubd.</td>
</tr>
</tbody>
</table>
Related terms
Actuate BIRT iHub, Actuate BIRT technology, Actuate SQL, BIRT iHub System, data, data source, information object, job, open data access (ODA), process, report, request, response, run, user group, volume

server service
A configurable part of the BIRT iHub System framework that controls one or more server processes to provide Factory, Integration, or View functionality. For example, the View service controls the Java view processes. The Message Distribution service routes BIRT iHub System messages to the other services. Table G-4 lists the server services.

<table>
<thead>
<tr>
<th>Server service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agent service</td>
<td>Manages the Agent process.</td>
</tr>
<tr>
<td>BIRT service</td>
<td>Manages the Factory and View processes.</td>
</tr>
<tr>
<td>Integration service</td>
<td>Manages one or more Integration processes.</td>
</tr>
<tr>
<td>Monitor service</td>
<td>Manages the Monitor process.</td>
</tr>
<tr>
<td>Platform service</td>
<td>Manages the platform and volume processes and the BIRT service. Manages inbound requests from applications and directs the requests to the appropriate service.</td>
</tr>
<tr>
<td>Web service</td>
<td>Manages the Information Console web application process.</td>
</tr>
</tbody>
</table>

Related terms
BIRT iHub System, factory, framework, request, server processes

Share
In Metrics Management, an organized collection of links, online resources, and other resources that are accessed from a view or briefing book. The links that
appear in Share are context sensitive, depending on the selected measure. They are organized by measure, location, category, and application.

**Related terms**
briefing book, category, link, location, measure, Metrics Management, view

**share**
The ability to grant access and any of a set of privileges to a dashboard, file, folder, or gadget in a volume.

**Related terms**
dashboard, gadget design (.gadget) file, privilege, volume

**Contrast with**
file types

**slot**
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-8 shows a body slot.

![Figure G-8 Body slot containing report items](Image)

**Related terms**
design, report, report element, report item, Report Object Model (ROM) element

**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, field

**SQL SELECT statement**
A query statement in SQL (Structured Query Language) that provides instructions about the data to retrieve from a database. In the following example, the SQL query accesses a database’s customers table and retrieves the customer name and credit limit values where the credit limit is less than or equal to 100,000. The SQL query then sorts the values by customer name.

```
SELECT customers.customerName, customers.creditLimit
FROM customers
WHERE customers.creditLimit <= 100000
ORDER BY customers.customerName
```
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 set.

**Related terms**
data row, data set, design, filter, parameter, report

storage location

A disk location storing volume data. The logical name for a storage location points to the path or physical location on disk. By default, the logical name for the default storage location points to the following path on Windows:

\Actuate\iHub\data\encyc

**Related terms**
data, volume

structured content

A formatted document that displays information from one or more data sources.

**Related term**
data source

**Contrast with**
report

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, report, report item

subinitiative

In Metrics Management, any initiative having a parent initiative. Date, budget, and rating values of subinitiatives are consolidated or processed to provide performance indicator values to their parent initiatives.

**Related terms**
initiative, measure, Metrics Management, performance

sublocation

In Metrics Management, a nested location. For example, if Metrics Management is set up to monitor performance for a region, the sublocations could be the district offices within the region.
Related terms
location, Metrics Management, performance

Contrast with
submeasure

submeasure
In Metrics Management, any data measure, formula measure, or group measure having a parent measure. The indexes of these measures are consolidated or otherwise processed to provide index values to the measure above.

Related terms
data measure, formula measure, group measure, index value, measure

Contrast with
sublocation

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

subscribe
A process to share information. In Information Console, the action of selecting a shared dashboard from a gallery.

Related terms
dashboard, Information Console

switching
For BIRT iHub, the process of moving the data and files between a PostgreSQL and Oracle metadata database.

Related term
Actuate BIRT iHub

Contrast with
migration, upgrading

synchronous
A job type that executes a report as soon as possible. Priorities cannot be set on a synchronous job type. The job output, such as a report document, is available for progressive viewing as soon as the first page of the document is complete.

Related terms
job, progressive viewing, report

Contrast with
asynchronous

System Console
An administrative application that supports creating and managing BIRT iHub metadata, processes, resources, services, and storage locations. System Console
supports operations such as setting up clusters, system administrators, monitoring, security, and volumes. System Console also supports licensing capacity and options, such as the number of volumes.

**Related terms**
Actuate BIRT iHub, administrator, cluster, server processes, server service, storage location, volume

**Contrast with**
Information Console

---

**tab**
The label above or below a page in a window that contains multiple pages.

**Related term**
page

**Contrast with**
label element

**table**
A named set of columns in a relational database.

**Related term**
column

**Contrast with**
table element

**table element**
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.

**Related terms**
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 term**
report

**target data**
In Metrics Management, a comparison series of data that represents a goal. Metrics Management typically compares actual series data against target data for a specific period to produce an index value.

**Related terms**
actual series, comparison series, index value, Metrics Management

**Contrast with**
base series
**template**  
1 In BIRT iHub, a customizable file that contains the format for e-mail messages for e-mail notification.

2 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.

**Related terms**
- Actuate BIRT iHub
- design
- layout
- listing report
- notification
- report
- report design (.rptdesign) file
- style

**Contrast with**
- report template (.rpttemplate) file

**temporary report**

A report document that is temporarily available and is not stored in a volume. This report is visible only to the user requesting the report. These reports are also called transient reports.

**Related terms**
- report
- request
- volume

**text element**

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**
- data set
- field
- report item

**Contrast with**
- data element
- dynamic text element
- label element

**theme**

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**
- design
- library (.rptlibrary) file
- report
- report item
- style

**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 term**
- chart

**Contrast with**
- tick interval

**tick interval**

The distance between ticks on an axis.
**Related term**

tick

**Timestamp data type**

An Actuate SQL (Structured Query Language) 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

**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. BIRT iHub supports transaction processing to protect data integrity.

**Related term**

Actuate BIRT iHub

**transient job**

A unscheduled job initiated by a request from Information Console that produces a temporary report document.

**Related terms**

Information Console, job, request, temporary report

**transient report**

See temporary report.

**translator**

See converter.

**translators**

In Metrics Management, agents that associate labels and names for external information with the Metrics Management name for the items.

**Related term**

Metrics Management

**tree selector**

A dashboard gadget used to filter hierarchical data displayed in Information Console.

**Related terms**

dashboard, gadget, Information Console

**Contrast with**

Parameters page
trusted execute privilege

See privilege.

two-line style

In Metrics Management, an option in sections that allows longer measure names to appear on two lines instead of one.

Related terms
measure, Metrics Management, section

unit type

In Metrics Management, a descriptive label for data. Examples of unit types include number, percent, days, and dollars. A unit type determines how data appears, for example, the number of decimal places that a numerical value displays.

Related term
Metrics Management

upgrading

For BIRT iHub, the process of installing and configuring Release 3.1 or higher or a fix release of Release 3 and moving the data and files from BIRT iHub Release 3.

Related term
Actuate BIRT iHub

Contrast with
migration, switching

usage log

The BIRT iHub 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.

Related term
BIRT iHub System

Contrast with
error log

user group

A name for a set of privilege levels. Assigning a user to a user group defines the user’s privileges.

Related term
privilege

Contrast with
user name

user name

A name that identifies a user of a resource on a computer system. For example, Information Console and System Console support 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, Information Console, System Console

### user privilege
In Metrics Management, a security permission, granted by a system specialist, that defines the actions that a user can perform on a specific object. Acting on an object requires both the appropriate privileges and object-level security settings.

**Related terms**
Metrics Management, Metrics Management system specialist, object, object-level security

### user template
In Metrics Management, a standard user setup page that has specific settings defined, such as user privileges. Metrics Management comes with six default user templates: Administrator, Location administrator, Regular user or measure owner, Restricted administrator, Restricted location administrator, and View only user.

**Related terms**
measure owner, Metrics Management, Metrics Management system specialist, user privilege, view only user

### variable element
A uniquely named storage location for data that a report design can modify. A variable element applies either to a page or to the whole report.

**Related term**
data

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

2. In Metrics Management, a hierarchical structure that displays the relationships between strategic objectives, locations, and measure performance in an organization.

**Related terms**
data, location, measure, Metrics Management, performance, table

### view only user
A Metrics Management user for which specific user privileges are defined. These users can view objects, but they cannot create, edit, or delete objects.
**Related terms**
Metrics Management, object, user privilege

**Contrast with**
object-level security, user template

**View process**
See server processes.

**View service**
See server service.

**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**
data, parameter, report, table of contents

**Contrast with**
Interactive Viewer

**visible privilege**
See privilege.

**volume**
A BIRT iHub System repository for managing data and metadata. Volume data includes objects such as designs, documents, and information objects, stored as files in storage locations.

**Related terms**
Actuate BIRT iHub, data, design, information object, repository

**W**

**weight**
In Metrics Management, the relative importance of submeasures in a group measure. The sum of the weights for all the submeasures in a group measure must be 100.

**Related terms**
group measure, Metrics Management, submeasure

**wildcard**
A character used in a search or conditional expression that matches one or more literal characters.

**Related term**
conditional expression

**workbench**
See Eclipse Workbench.

**write privilege**
See privilege.
X-Z

Z-order  The priority assigned to overlapping parts of a chart element, Flash object 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-9 shows a bar series having a Z-order of 1 and an area series having a Z-order of 0.

![Figure G-9](image)

Figure G-9  Multiple y-axis chart having bar series in front of area series

2  The order of AddOns providing decoration to a Flash object element. For example, Figure G-10 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-10](image)

Figure G-10  Rectangle AddOns to a meter chart

Related terms
chart element, combination chart, Flash chart element, Flash gadget element, series
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