



**HYPERION® REPORTING AND ANALYSIS –
SYSTEM 9**
RELEASE 9.3.1

NEW FEATURES GUIDE

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This document describes the features available in Oracle's Hyperion® Reporting and Analysis – System 9 Release 9.3.1. For information on using these features, see the documentation set.

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Workspace User Interface and Navigation Enhancements

- **Explore module size column**—Shows the size of repository artifacts, except for folders and Oracle's Hyperion® Financial Reporting – System 9 artifacts.
- **Personal Pages improvements**—Includes usability, enhancements to existing functionality, and new functionality:
 - Users can perform actions in multiple ways. For example, users can create and edit pages, personalize content and layout, and add bookmark URLs using toolbar icons, menus, or shortcut menus.
 - Personal Pages open in maximize mode; the View Pane is hidden automatically.
 - Users no longer need to browse through multiple edit screens to get to a particular Personal Page action or component. Users can use dialog boxes to edit Bookmarks, Exceptions dashboards, and Interactive Reporting embedded documents, and to manage Content, Layout, Edit, and Publish actions.
 - Items listed under Tools > Personalize now appear on the Favorites menu.
 - Bookmarks for Oracle's Hyperion® Web Analysis – System 9, Oracle's Hyperion® SQR® Production Reporting – System 9, Financial Reporting, or Oracle's Hyperion® Interactive Reporting – System 9 jobs that are selected from the Personal Page My Bookmarks list open as tabs in Oracle's Hyperion® Workspace
 - Personal Pages are automatically refreshed whenever users perform any action.
 - Users create Personal Pages using the File > New menu option. This New Personal Page process enables users to assign permissions using an Edit Permissions button, making it consistent with other Workspace dialog boxes.
- **Access control enhancements**—For the Explore module and artifacts:
 - The Explore module supports folder publishing masks that automatically set matching permissions for all imported folders. Users can define their own publishing mask for folders separately from files. The Explore module Preferences dialog box is updated to reflect this ability to apply permissions to folders.
 - Access control applies recursively to all documents within a folder. In other works, permissions for a folder can be applied to all descendant documents.
 - Edit permissions for Explore module artifacts are available from a shortcut menu.

Infrastructure Enhancements

- **Hyperion license compliance**—Hyperion no longer ships or requires Oracle's Hyperion® License Server™ (or standalone license files) for use with Hyperion products. To ensure compliance with your license agreement, Hyperion recommends that you implement an auditing process. During product configuration with Oracle's Hyperion® Configuration Utility™, you should activate only the features you purchased. For more information, see “Hyperion License Compliance” in the *Hyperion Installation Start Here*.
- **Oracle product support**—Release 9.3.1 supports Oracle 11g R1 RDBMS, Oracle Application Server 10GR2 and 10GR3 (manual deployment only), Oracle Portal 10G R2, Oracle

Enterprise Linux server 4.0, Oracle Enterprise Linux client 4.0 (browser-based client only), and Oracle Identity Manager

- **Web browser support**—Reporting and Analysis Release 9.3.1 supports Microsoft Internet Explorer 7 and Mozilla Firefox 2.
- **SAP NetWeaver 2004s support**—Reporting and Analysis supports SAP NetWeaver 2004s:
 - Interactive Reporting and Web Analysis support SAP Portal 7
 - Financial Reporting, SQR Production Reporting, and Web Analysis support SAP BW 7 (BAPI)
 - Interactive Reporting supports SAP BW 7 (ODBO)
- **Portlets enhancements**—Release 9.3.1 provides the ability to display HTML content for Reporting and Analysis components in enterprise portal applications as shown in the following table:

Application	Financial Reporting	Interactive Reporting	SQR Production Reporting	Web Analysis
BEA WebLogic portal	X	X	X	X
IBM WebSphere portal	X	X	X	X
Microsoft SharePoint portal	X	X	X	X
Oracle Portal 10G R2	X	X	X	X
SAP NetWeaver portal	X	X	X	X

- **Database authentication**—You can now use a database as an authentication provider; this enables you to leverage user credentials stored in a database to log on to Workspace.
- **Delegated administration**—Administrators can now split up administration functions among multiple users to either share work load or restrict access to individual administration silos.
- **User identity updates**—Workspace enables administrators to move users across organization units in external directories, such as MSAD or LSAP. Administrators can specify an identifier that represents users instead of using their distinguished names, as these change based on which part of the organization the user is in.
- **Logging enhancements**—All log files are consolidated under one physical location:
`\biplus\logs`
- **Access to General preferences**—All users now can access General preferences. (Previously, only users provisioned for Reporting and Analysis roles could view and set General preferences.) This enhancement enables Oracle's Hyperion® Planning – System 9 and Oracle's Hyperion® Financial Management – System 9 users to set an application as their default startup item when logging on to Workspace.
- **Oracle's Hyperion® Interactive Reporting Web Client open options**—Administrators can use Servlet Configurator to specify whether Interactive Reporting Web Client always opens

in the same browser window or in multiple browser windows. The “Allow multiple browser windows for Interactive Reporting Web Client” option is available under Data Access Servlet properties.

- **Maintenance mode for system backups**—Previously, administrators had to manually shut down all Reporting and Analysis services before backing up the Reporting and Analysis system. Additionally, all Reporting and Analysis servlets (Interactive Reporting, Financial Reporting, Oracle's Hyperion® Web Analysis – System 9, and Workspace) had to be shut down before shutting down Core services. Doing so was a huge inconvenience for customers who automate the daily back-up of services.

With this release, Administrators can dynamically place services in maintenance mode by updating a table in the Reporting and Analysis database schema, and they can control the start time for maintenance mode by setting a delay along with the desired value.

- **Oracle's Hyperion® Smart View for Office edit and refresh support**—Smart View provides users the ability to edit and refresh embedded Reporting and Analysis content from Microsoft Office.
- **Microsoft Excel cell reference maintenance**—After Reporting and Analysis documents are imported into Excel, Oracle's Hyperion® Smart View for Office provides the ability to support cell and range references across worksheets during refreshes and allows the combining of multiple sources of data in one worksheet.

Financial Reporting Enhancements

The **Manage User POV utility** is a command-line utility that lets Reporting and Analysis administrators create, view, update, or delete the Oracle's Hyperion® Financial Reporting – System 9 Point of View for one or more users.

Interactive Reporting Enhancements

- **New CubeQuery Section**—Interactive Reporting introduces an Oracle's Hyperion® Essbase® – System 9 CubeQuery section that includes powerful analytic features. The new query section type enables higher-performing dashboards that include relational and Essbase content. New OLAP queries use this new section type by default; however, an OLAP query section can be used for Essbase if desired. Enhanced functionality includes ragged hierarchy support, asymmetric reporting, and improved member selection.
- **New Insert Query interface**—Using the new Insert Query dialog box, users can insert a query and associate it with a master data model, or log on using the current Interactive Reporting connection file. Oracle's Hyperion® Interactive Reporting Studio users can opt not to use the current connection file, and specify an alternative or new one. This feature centralizes associated insert query tasks.
- **Report section embedding in dashboards**—Interactive Reporting now supports the embedding of Report sections in dashboards. This means users can show aggregate tables and BLOB images from the database and create small multiple charts. The default option is to display the first page of the report, and navigation options are available for moving

between pages. The Report section in the dashboard is refreshed based on the underlying results set changes, but the object is not active.

- **New bqEvent parameter for OnClick event**—The OnClick handler now supports the optional bqEvent parameter, which provides access to the cursor position relative to the Dashboard control. The bqEvent parameter contains two new properties: ClickX and ClickY. When the event occurs, the event handler has access to the event-related information needed to process it. For example, the event might require the position of the cursor for a picture OnClick event, or information about which table column was clicked for a table embedded section object OnClick event.
- **BQY creation in Workspace and Interactive Reporting Web Client**—Users can now create Interactive Reporting documents (BQY extension) in Workspace and Interactive Reporting Web Client.

Dashboard Development Services Enhancements

- **Compatibility with earlier releases**—Dashboard Studio features that relate to Interactive Reporting documents and templates are generally backward compatible with Interactive Reporting Studio. That is, when you open a new Interactive Reporting document, its 9.3.1 features are available in earlier releases of Interactive Reporting Studio, Oracle's Hyperion® Interactive Reporting Web Client, Workspace, Dashboard Studio, Dashboard Studio Merge Utility, and Dashboard Development Services Update Utility. This general rule applies to those features supported by the earlier releases of Interactive Reporting Studio. Wherever possible, new features are implemented that are available to release 8.0 and later, with exceptions.
- **Filter enhancements**—Relate to templates and include two new properties frames:
 - **Filter Aliases properties frame**—In releases earlier than 9.3.1, all local filters with an identical display name are logically treated as if they are one filter with a set of combined values. However, in some cases, filters with different names should be treated as one, and filters with the same display name should be treated separately. The Filter Aliases feature is backward-compatible with existing dashboards. When a document is updated, all filters are converted to the new alias format. By default, the alias is the display name of the filter. Use the properties frame to create, delete, and rename aliases, and combine columns from different sections with different names, and separate columns with the same name.
 - **Filter Exclusion properties frame**—In earlier releases, default filter methods are effective where there is only one results set that provides data to visualizations (charts, pivots, spotlight shape sets, and graphic gauges) or where multiple results sets have the same filters and common values. If you change a filter setting on a dashboard but no changes are reflected in any views, then the visualizations must be based on different results sets which are displayed on different dashboards. Use the Filter Exclusion properties frame to analyze document dependencies and to ensure that filters are correctly deployed and displayed on dashboards. This analysis can be performed only if you are running Interactive Reporting Studio release 9.3 or later, because these releases include section dependency information available to scripts. If you are using an earlier Interactive

Reporting Studio release, you must manually configure the exclusions using your document structure knowledge. The Filter Exclusion feature is backward-compatible with current functionality. The default is to exclude nothing and to support pre-9.3.1 release behavior.

- **Self-optimizing runtime dashboards**—When creating a runtime document, unused component sections and unused resources, such as code, language strings, and sections, are deleted to reduce dashboard size and improve performance. Self-optimizing test results prove that release 9.3.1 runtime Interactive Reporting documents open and start significantly faster than the editable source masters (ESMs) and pre-9.3.1 release counterparts. The most significant improvement is that trace statements are deleted from the Interactive Reporting document, because they can affect the time to open a document. Minor enhancements include compacting the code by removing leading white space and comments.
- **Dashboard Studio Inspector Utility**—The Inspector Utility enables multiple windows to be open so multiple Interactive Reporting documents can be inspected. Saving documents is introduced in release 9.3.1. The Custom Update feature from Workspace, available in the Inspector Utility, enables users to navigate to and invoke Oracle's Hyperion® Impact Management Services scripts that are stored on the file system and work with Interactive Reporting documents. The Inspector Utility user interface is scriptable. Features can be added by writing JavaScript and linking the code to parts of the interface.
- **Diagnostics frame**—Offers an Execute and edit JavaScript code window so that dashboard developers can enter JavaScript into the execute window and call it to see how it functions. Scripts created in the execution window can be stored, saved, and recalled, which are useful when trying to develop and debug scripts on the desktop client. Script execution results are displayed in the trace text box above the Execute and edit JavaScript code window.
- **Required Query Limits component**—Extends the Quick Query Limits component by enabling the dashboard developer to nominate one or more required query limits. If values from a required query limit are not selected, then the query will not run. After required values are entered, the query can be processed. The Required Query Limits component is fully compatible with earlier releases.
- **Webdash Builder component (embedded browser and reports support)**—Support is added to embed browsers and reports in dashboards through the Build Dashboard frame. Embedding browsers relies upon script-based object creation and placement features introduced in release 9.3. Embedding reports relies upon script-based report object creation and placement features introduced in release 9.3.1.
- **Drill Across component**—Similar to the Oracle's Hyperion® Interactive Reporting Studio Drill to Detail feature, Drill Across enables users to double-click a cell in an embedded active pivot (source-embedded pivot, or SEP) on a dashboard section. The intersection of the side label and top label values, plus active local filters and query filters, becomes the context for the drill across operation, and the user is taken to a target embedded pivot (TEP). For example, a user examining a general ledger pivot can navigate to view the contents of a cell value, the underlying invoice, freight costs, salaries, and so on. At any point the user can return to the launch point. Each SEP is configured to have one or more associated TEPs. A TEP can reside in the same document as the SEP or different documents. The configuration

of the relationship between a SEP and a TEP is through a tabular structure, such as an Excel spreadsheet or a database table.

- **Group Tabs component**—Enables grouping of navigation tabs. Navigation is displayed in two rows. The first row displays the groups, and selecting an item from the first row displays the first member of that group in the second row. Selecting a tab in the second row behaves like standard navigation. Using grouped navigation on dashboards mirrors many modern Web site navigation schemes, and provides more available tabs in Oracle's Hyperion® Interactive Reporting – System 9 documents.
- **Components reference guide**—Available as part of the Dashboard Studio online help system for release 9.3.1, the guide has a new title: *Hyperion Interactive Reporting – System 9 Object Model and Dashboard Development Services Developer's Guide, Volume 7: Dashboard Development Services Components Reference Guide*.

SQR Production Reporting Enhancements

- **Oracle's Hyperion® SQR® Production Reporting Studio templates**—Predefined formatting templates and styles can be used to quickly create finished reports.
- **Portlets**—Release 9.3.1 provides the ability to display SQR Production Reporting HTML content (including the latest job output) in these enterprise portal applications:
 - SAP Enterprise portal
 - IBM WebSphere portal
 - BEA WebLogic portal
 - Microsoft SharePoint portal
- **New data sources**—Oracle's Hyperion® SQR® Production Reporting – System 9 Release 9.3.1 supports report creation and execution against these data sources:
 - Teradata ODBC
 - Progress ODBC
 - XML
 - Microsoft Access

Web Analysis Enhancements

- **Drill navigation**—When drilling from one report to another using the Drill Link capability, you can define the behavior of what occurs when the target report (the report that was opened when drill linking for the source report) is closed. By default, when any report is closed, the report that was most recently opened becomes the active report. To set a Drill Link “target” report to return to the “source” report when it is closed, set `ReturnToDrillSource= true` in `WebAnalysis.properties`. The default behavior is false. Note that this feature applies only to Drill Link reports and not to reports opened using Service buttons or Oracle's Essbase® Integration Services Drill-Through reports.

- **Creation of Oracle's Hyperion® Essbase® – System 9 Linked Reporting Object extension on a cell in Workspace**—Previously available only in Oracle's Hyperion® Web Analysis Studio.
- Better control over large member and data queries.
- **Additional navigation right-click options in Oracle's Hyperion® Workspace**—Previously available only in Oracle's Hyperion® Web Analysis Studio:
 - Spreadsheet and chart options
 - Data display options such as Default Label Mode, Dimension Label Mode, Dimension Header Sort, and How Linked Reporting Object Indicators.

Performance Scorecard Enhancements

- **Extended Domain Access**—Domains enable you to associate data such as measures and scorecards with particular geographic or functional areas, such as offices or departments, which allows you to partition data to different corporate areas. In this release, users associated with a domain also can access general data in the hierarchy domains above theirs (parent domains). Users can only view this data.
- **Extended Strategy Reports**—This release extends the strategy element and measure data displayed on Strategy reports. You can now customize Strategy Reports to display this data:
 - Result
 - Scorecard score and status
 - Trend
 - Units
 - Weighted score
 - Adjusted weighted score
 - Data confidence

Documentation Enhancements

- Two new installation-related documents:
 - The *Hyperion Installation and Configuration Troubleshooting Guide* offers troubleshooting advice for Hyperion product installations, and suggestions for resolving common deployment issues
 - The *Hyperion Product SSL Configuration Guide* describes how to deploy Hyperion products in Secure Sockets Layer (SSL)-enabled environments
- **Reporting and Analysis configuration documentation**—The *Hyperion Reporting and Analysis – System 9 Installation Guide* now includes detailed information about Oracle's Hyperion® Reporting and Analysis – System 9 configuration steps.

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