

# Oracle Fusion Cloud Applications Suite

## What's Notable and Different in Oracle Transactional Business Intelligence

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## About Oracle Transactional Business Intelligence

Oracle Transactional Business Intelligence, an analysis and reporting tool, helps you gain real-time insight into transactional data from your Oracle Fusion Cloud Applications Suite.

Read this guide to understand the product enhancements.

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For the latest Oracle Transactional Business Intelligence news, product enhancements, customer and partner stories, and market insights, see Oracle Analytics Community for OTBI.

## Important Product Announcements

You can take action now to prepare for these updates that are coming in future releases of Oracle Transactional Business Intelligence.

### July 2025 Release (25C)

- **Oracle BI Marketing Segmentation and Oracle Strategy Scorecard Management Deprecated**

The Marketing Segmentation and Scorecard Management features are deprecated and planned for removal in 25D.

## Product Enhancements

Here's an overview of the enhancements that we've added to improve your Oracle Transactional Business Intelligence experience.

### July 2025 Release (25C)

#### Publisher Report Enhancements

Enhancement	Description
Secure pixel-perfect reports delivery using the AES-GCM OpenSSH encryption algorithms.	<p>Deliver pixel-perfect reports through SFTP using these encryption algorithms:</p> <ul style="list-style-type: none"><li>• <a href="#">aes128-gcm (aes128-gcm@openssh.com)</a></li><li>• <a href="#">aes256-gcm (aes256-gcm@openssh.com)</a></li></ul> <p>See SSH Options for SFTP.</p>

### April 2025 Release (25B)

For the April 2025 release, no enhancements were added.

### January 2025 Release (25A)

For the January 2025 release, no enhancements were added.

## Earlier Announcements and Enhancements

- [October 2024 Release \(24D\)](#)
- [July 2024 Release \(24C\)](#)
- [April 2024 Release \(24B\)](#)
- [January 2024 Release \(24A\)](#)
- [October 2023 Release \(23D\)](#)
- [July 2023 Release \(23C\)](#)
- [April 2023 Release \(23B\)](#)
- [January 2023 Release \(23A\)](#)
- [July 2022 Release \(22C\)](#)
- [January 2022 Release \(22A\)](#)

# October 2024 Release (24D)

## Announcements

- **Oracle BI Marketing Segmentation and Oracle Strategy Scorecard Management Deprecated**

The Marketing Segmentation and Scorecard Management features are deprecated and will be removed in a future release.

- **Oracle Mobile Application Designer (MAD) Desupported**

The Oracle Mobile Application Designer (MAD) feature is desupported and no longer available.

## Administration Enhancements

Enhancement	Description
In Publisher, you can't add or delete an email server.	You can configure the provisioned email server to provide access to user roles. See Configure an E-Mail Server.

## Publisher Report Enhancements

Enhancement	Description
The error response from the following APIs used to fetch or download XML data has changed when you pass an empty or null value for the jobInstanceID field.	<p>The error response from the APIs of V2/ScheduleService used to fetch or download XML data has changed.</p> <p>The response previously read like this:</p> <pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"&gt;   &lt;soapenv:Body&gt;     &lt;soapenv:Fault&gt;       &lt;faultcode&gt;soapenv:Server&lt;/faultcode&gt;       &lt;faultstring&gt;For input string: ""&lt;/ faultstring&gt;     &lt;/soapenv:Fault&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre> <ul style="list-style-type: none"> <li>• getXMLData</li> <li>• getXMLDataInSession</li> <li>• downloadXMLData</li> <li>• downloadXMLDataInSession</li> </ul> <p>The response now reads like this:</p> <pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"&gt;   &lt;soapenv:Body&gt;     &lt;soapenv:Fault&gt;       &lt;faultcode&gt;soapenv:Server&lt;/faultcode&gt;       &lt;faultstring&gt;jobInstanceID cannot be null or empty&lt;/faultstring&gt;     &lt;/soapenv:Fault&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>

## July 2024 Release (24C)

### Analyses and Dashboard Enhancements

Enhancement	Description
Email a link to analysis results	<p>Users can create an agent that sends an email with a link to the results of analysis.</p> <p>If you have the Deliver Content Link in Email privilege, the <b>Deliver link to results</b> option is available for selection when you create an agent to deliver content. See Create Agents to Deliver Content.</p>

## April 2024 Release (24B)

### Announcements

- **Oracle Mobile Application Designer (MAD) Deprecation**

The Oracle Mobile Application Designer (MAD) feature is disabled in Oracle Transactional Business Intelligence. If you want to enable the Mobile Application Designer feature, the administrator can set the **Enable Mobile App Designer** property to true in the Publisher Runtime Configuration page.

In 24D, Oracle Mobile Application Designer (MAD) will be desupported.

#### Administration Enhancements

Enhancement	Description
Enable the Oracle Mobile Application Designer (MAD) feature	The administrator can set the <b>Enable Mobile App Designer</b> property to true in the Publisher Runtime Configuration page. See Mobile App Designer Properties.

#### Publisher Report Enhancements

Enhancement	Description
Use of the Equals operator restricted for searching the report jobs of other users	In the Report Job History page, users with the BI Administrator role can search for the report jobs of other users. Users without the BI Administrator role are restricted from using the Equals operator in the Owner field to search for the report jobs of other users. See Search for Report Job History.
Register multiple digital signatures	Register multiple digital signatures and choose a digital signature for a PDF report. See Apply a Digital Signature.

## January 2024 Release (24A)

#### Announcements

- **Oracle Mobile Application Designer (MAD) Deprecation**

In 24B, the Oracle Mobile Application Designer (MAD) feature will be disabled in Oracle Transactional Business Intelligence.

#### Administration Enhancements

Enhancement	Description
Open-source fonts replace the Monotype fonts	Analyses, dashboards, and pixel-perfect reports use Go Noto font as the fallback font. See Open-Source Fonts to Replace Licensed Monotype Fonts.
Change in exporting data to CSV or tab-delimited files	When you export analyses results to a CSV or tab-delimited file, the formula characters are prefixed with the escape character, and the analyses results exported to a CSV or tab-delimited file are treated as text. If you don't want to export data to CSV or tab-delimited files as text, you as the administrator can disable the <b>Export Data to CSV and Tab-Delimited Files as Text</b> property in the administration page for analyses and dashboards. See About the Administration Page.

Enhancement	Description
Change in URI of the provisioned FA_UCM_PROVISIONED Oracle WebCenter Content Server	<p>In 24A, the URI of the provisioned FA_UCM_PROVISIONED Oracle WebCenter Content Server changed from http to https for Oracle Fusion Cloud Applications environments converted to the new Oracle Cloud Console.</p> <p>Every time you upgrade, verify the URI of the provisioned FA_UCM_PROVISIONED Content Server, and make sure the URI of the custom connection is similar to the URI of the provisioned FA_UCM_PROVISIONED Content Server. See <a href="#">Create a Custom Connection</a>.</p>

## Publisher Report Enhancements

Enhancement	Description
The qrcode function for specifying the barcode type supports additional parameters	The qrcode function supports additional QR attributes to specify the QR code correction level, encode data format, mask pattern, and the version to be encoded. See <a href="#">2D Barcode Functions</a> .

## October 2023 Release (23D)

### Announcements

- **Change in exporting data to CSV or tab delimited files**

In 24A and later releases, when you export analyses results to a CSV or tab delimited file, Microsoft Excel treats the data in the exported CSV file as text. The formula characters are prefixed with the escape character (which is the apostrophe (')). If you don't want to export data to CSV or tab delimited files as text, you as the administrator can disable the **Export Data to CSV Files as Text** property in the administration page for analyses and dashboards.

If your current system processes CSV or tab delimited files, Oracle recommends you to review workflows and update logic to handle the apostrophe (') escape character prefixed to formula characters in the files exported in the text format.

- **Open-source fonts to replace licensed Monotype fonts in Oracle Transactional Business Intelligence**

In 24A, open-source fonts will replace the Monotype fonts currently available in Oracle Transactional Business Intelligence. You can use the open-source fonts available in the current release with your existing reports and edit the layouts as appropriate.

For details on this replacement, see [Open-Source Fonts to Replace Licensed Monotype Fonts](#).

### Administration Enhancements

Enhancement	Description
Go Noto font is the default fallback font for PDF output	Oracle recommends that you test the use of Go Noto font as the fallback font in your reports, analyses, and dashboards. See <a href="#">Open-Source Fonts to Replace Licensed Monotype Fonts</a> .

## Publisher Report Enhancements

Enhancement	Description
Secure delivery of pixel-perfect reports using RFC8268 new key exchange methods	<p>Deliver pixel-perfect reports through SFTP using these RFC8268 Diffie-Hellman key exchange methods:</p> <ul style="list-style-type: none"> <li>• diffie-hellman-group14-sha256</li> <li>• diffie-hellman-group16-sha512</li> <li>• diffie-hellman-group18-sha512</li> </ul> <p>See <a href="#">SSH Options for SFTP</a>.</p>
Use of the Contains operator restricted for searching the report jobs of other users	<p>In the Report Job History page, users with the BI Administrator role can search for the report jobs of other users. Users without the BI Administrator role are restricted from using the Contains operator in the Owner field to search for the report jobs of other users.</p> <p>In 24B, for users without the BI Administrator role, even the use of the Equals operator in the Owner field will be restricted.</p> <p>See <a href="#">Search for Report Job History</a>.</p>
The default value of the Webservice optimization property changed to true	<p>Publisher caches the report definition by default and avoids multiple requests to the catalog when the same report runs multiple times within a short interval of time. Caching helps to improve the system performance.</p> <p>You can configure the Webservice optimization property to false to avoid caching of the report definition. See <a href="#">All Outputs Properties</a>.</p>

## July 2023 Release (23C)

### Administration Enhancements

Enhancement	Description
Use Go Noto font as fallback font for PDF output	You can use Go Noto font as the fallback font for analyses, dashboards, and pixel-perfect reports. The system uses the fallback font when the default PDF fonts (such as Helvetica, Times-Roman, and Courier) can't display non-Western characters included in the data when generating PDF output. Oracle recommends that you test the use of Google Noto font as a fallback font in your reports, analyses, and dashboards. See <a href="#">Open-Source Fonts to Replace Licensed Monotype Fonts</a> .

Enhancement	Description
Configure the retention period of old metadata data of scheduled jobs in Publisher	<p>Publisher automatically purges transient data of reports from scheduled jobs older than 365 days. See <a href="#">Publisher Automatically Purges Transient Data of Old Jobs</a>.</p> <p>The administrator can reduce the retention period of metadata data of old scheduled jobs. See <a href="#">Manage Metadata of Old Scheduled Jobs</a>.</p>
Configure the retention period of old audit data in Publisher	<p>Publisher automatically purges audit data older than 180 days to improve system performance.</p> <p>The administrator can reduce the retention period of old audit data. See <a href="#">Manage Audit Data</a>.</p>
Secure delivery of pixel-perfect reports using the RFC8332 RSA keys	<p>Deliver pixel-perfect reports through SFTP using the RFC8332 RSA keys (SHA-256 or SHA-512).</p> <p>See <a href="#">SSH Options for SFTP</a>.</p>

### Publisher Report Enhancements

Enhancement	Description
Use Libre barcode encoder to generate barcodes in reports	<p>You can configure at the Publisher instance level or at the report level to use the Libre barcode encoder to generate barcodes in PDF reports.</p> <p>See <a href="#">RTF Template Properties</a>, <a href="#">Barcode Font Mapping</a>, <a href="#">Encode the Data</a>.</p>
Configure the timeout value for SQL queries in datasets to be less than the Resource Manager limit	<p>If the timeout value for SQL queries in datasets exceeds the Resource Manager limit, you can't save the data model.</p> <p>See <a href="#">Data Model Properties</a>.</p>

## April 2023 Release (23B)

### Announcements

- **Publisher to automatically purge the transient data of jobs completed more than 365 days ago to improve system performance**

In 23C, Publisher will automatically delete transient data for reports from scheduled jobs older than 365 days. Once the report output has been deleted, it can't be restored.

If you need to retain report output beyond the system retention period, you can download the report output. See [View Job History for a Specific Report](#), [View Details of a Job History](#), [Download Data from a Report Job](#), and [Send an Output to a New Destination](#) for instructions on how to download reports or deliver report outputs outside the Oracle Analytics Publisher application.

- **Open-source fonts to replace licensed Monotype fonts in Oracle Transactional Business Intelligence**

In 24A, open-source fonts will replace the Monotype fonts currently available in Oracle Transactional Business Intelligence. You can use the open-source fonts



available in the current release with your existing reports and edit the layouts as appropriate.

For details on this replacement, see [Open-Source Fonts to Replace Licensed Monotype Fonts](#).

### **Publisher Report Enhancements**

<b>Enhancement</b>	<b>Description</b>
Configure fallback font for PDF Reports	Configure to use either Monotype Albany fonts or Google Noto fonts as fallback fonts for PDF reports. Oracle recommends that you test the use of Google Noto fonts as fallback fonts in your pixel-perfect reports. In a future release, Oracle plans to remove support for Monotype fonts in the Oracle Analytics applications. Review all your critical reports and edit the layout to format the reports as required.  See <a href="#">Open-Source Fonts to Replace Licensed Monotype Fonts</a> and <a href="#">PDF Output Properties</a> .
Use the logged in user as author for reports delivered to Content Server	Configure to use the logged in user as author for reports delivered to Content Server.  See <a href="#">Create a Custom Connection</a> .

## January 2023 Release (23A)

### **Publisher Report Enhancements**

<b>Enhancement</b>	<b>Description</b>
Cache the report definition	Configure the Webservice optimization property to cache the report definition when you need to run a report multiple times within a short interval of time.  See <a href="#">All Outputs Properties</a> .

## July 2022 Release (22C)

### **Publisher Report Enhancements**

<b>Enhancement</b>	<b>Description</b>
Email the URL to access the job output	Configure job delivery to email the URL to access the job output instead of attaching the job output to the email. See <a href="#">Configure Delivery Options</a> .
Make a report private	Configure a report to make the report private. See <a href="#">Advanced Options</a> .
Disable generation of XML data of a report	Configure a report to disable the generation of XML data for republishing the report. See <a href="#">Advanced Options</a> .

## January 2022 Release (22A)

## Administration Enhancements

Enhancement	Description
Catalog groups migrated to application roles	<p>New custom application roles use a naming convention with a suffix of "_GRP2ROLE".</p> <p>A catalog group might contain prebuilt roles such as BI Consumer, BI Administrator, and BI Author. When the catalog groups are migrated to the application roles, the permissions of the prebuilt roles included in the catalog groups are also migrated to application roles.</p> <p>See Set Presentation Services Privileges for Application Roles.</p>
Limit for catalog object permission setting	<p>The maximum number of entries for the Access Control List (ACL) of a catalog object is 64.</p> <p>To assign permission to a catalog object, don't add user IDs directly to the catalog object ACL. Instead, group users under an application role, then add the application role to the catalog object ACL.</p>
Search for users	<p>The search string that you enter for user search defines the search.</p> <p>The user name and display name identify an OTBI user:</p> <ul style="list-style-type: none"><li>• User name - OTBI login name or ID of the user. For example, SCambridge.</li><li>• Display name - First name and last name of the user. For example, Steve Cambridge.</li></ul> <p>When you enter a search string without the asterisk character (*), the search result lists the display names of users where the search criteria matches one of these conditions:</p> <ul style="list-style-type: none"><li>• The search string is contained in the user name.</li><li>• The search string exactly matches the display name.</li></ul> <p>For example, if you enter Jack John as the search string, the search result lists the display names of the users with user name containing Jack John or with display name as Jack John.</p> <p>Examples for using the asterisk character (*) in the search string:</p> <ul style="list-style-type: none"><li>• Enter Jack* as the search string to search for users with display name or user name starting with Jack.</li><li>• Enter *Jack as the search string to search for users with display name or user name ending with Jack.</li><li>• Enter *Jack* as the search string to search for users with display name or user name containing Jack.</li></ul> <p>Consider a user with Mike.David as the user name and "Jonty Rhodes" as the display name. In this case, if you enter Rhodes*, David* or *Jonty, Jonty, or Rhodes as the search string, the search result won't list the user. If you enter *Mike*, *David*, *Jonty*, *Rhodes*, Mike*, *David, Jonty*, * Rhodes, David, Mike, or Jonty Rhodes as the search string, the search result lists the user.</p> <p>Note that user search isn't case-sensitive.</p>

Enhancement	Description
Search for application roles	<p>Search for application roles using the exact string or the asterisk character (*).</p> <p>For example, enter BI Author, or BI*, or *Author to search for the role called BI Author.</p> <p>See Set Presentation Services Privileges for Application Roles.</p>
Rename your account	<p>Before you rename your account, move your content in the catalog from <code>My Folders</code> to <code>Shared Folders/Custom</code> folder, and back up your <code>Shared Folders/Custom</code> folder. Make sure the permissions of the <code>Shared Folders/Custom</code> folder aren't restricted to your user account. See <a href="#">Renamed Users Can't Access Their Custom Reports</a>.</p>
Set prompts to auto-complete	Set prompts to auto-complete on the Preferences tab in My Account.
Use the BulkDataExportService web service	Use the <code>BulkDataExportService</code> web service from the <code>analytics-ws/saw.dll/wsdl/v12</code> private namespace.
Download Desktop tools	Download Desktop tools using <b>Download Desktop Tools</b> in the Others section on the Oracle Transactional Business Intelligence Home page.
Upload custom logos to create custom branding, manage themes, and style dashboards and analyses.	See <a href="#">Manage Themes</a> .
Configure and use geo maps in dashboards.	See <a href="#">Manage Map Information for Analyses</a> .
Configure safe domains to enable videos and images to display correctly in reports.	If you embed videos or images from external sources in reports, you must indicate that those external domains are safe. See <a href="#">Allow Safe Domains</a> .
Provisioned JDBC and JNDI connections in Publisher	Create a JNDI connection to the system-defined data source only to access the audit data source ( <code>AuditViewDataSource</code> ). You can't create JDBC and JNDI connections from Publisher to other data sources. See <a href="#">Set Up a JNDI Connection to Access Audit Data</a> .

## Analysis and Dashboard Enhancements

Enhancement	Description
Export an analysis	Export an analysis as a formatted file or as a data file using the <b>More</b> menu on the Oracle Transactional Business Intelligence Home page.
Email an analysis	Email an analysis from the Results tab of the Analysis editor or from the <b>More</b> action menu in the catalog. See <a href="#">Send Email Reports and Track Deliveries</a> .

Enhancement	Description
Scale column display	Specify whether to multiply data by a 100 to display it as a percentage when setting the properties of a column. See the Scale for % (x 100) component in the Column Properties dialog Data Format tab.
Format the Visual Appearance of Graphs	Override the default data format at graph level. Configure the column to override the default display of data. See Format Columns and Format the Visual Appearance of Graphs.
View data in two dimensions with values represented in a gradient of colors	Use the heat matrix view to view data in two dimensions with values represented in a gradient of colors. See About Heat Matrix Views.
Sort graph, heat matrix, pivot table, table, treemap, and trellis views	Sort graph, heat matrix, pivot table, table, treemap, and trellis views by using a context menu (right-click). A sort dialog is displayed when you right-click in a graph view in the Results tab of the Analysis editor tab or on a dashboard page. You can right-click legend, data marker, and group-level (X axis) items to display a menu of interactions that includes options such as Sort and Drill.
Specify whether to send the display value or the code value of a dashboard column to a Publisher report	<p>Configure the dashboard prompt of a double column to specify whether to send the display value or the code value to a Publisher report.</p> <p>If you don't select <b>Filter by Code</b> for the dashboard prompt of a column value, the Publisher report includes the display value of the column.</p> <p>When you create filters for columns, you can view both the name and descriptor ID of double columns.</p>
Concatenate two character strings	<p>Use the CONCAT function to concatenate two character strings. You can't concatenate non-text values.</p> <p>See String Functions.</p>

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