

## What's New for Oracle Analytics Server

Here's an overview of new features and enhancements added recently to improve your Oracle Analytics Server experience.

## What's New in Oracle Analytics Server 2023

### Exploring, Dashboarding, and Storytelling

Feature	Description
Add your own custom table headers	Add your own custom headers for tables and pivot tables. See <a href="#">About Visualization Properties</a> .
Apply conditional formatting to performance tiles	Define conditional formatting for performance tiles along with other visualization types. See <a href="#">Apply Conditional Formatting to a Visualization</a> .
Assign a map background to map layers	Configure map backgrounds and layers to make it easier for workbook designers to build map visualizations. See <a href="#">Update Custom Map Layers</a> .
Auto Insights map visualization for latitude and longitude data columns	Auto Insights recognizes latitude and longitude data types in any dataset and automatically renders map visualizations as part of suggested insights. See <a href="#">Choose the Best Visualizations for a Dataset Using Auto Insights</a> .
Configure the grid spacing between visualizations on the canvas	Configure the spacing of visualizations on the grid on the canvas. Use the <a href="#">Grid Guidelines</a> property when the canvas is in Freeform mode. See <a href="#">Align Visualizations Using Canvas Grid Guidelines</a> .
Control bubble sizes on maps	Use bubbles to represent dots on a map. Set a minimum and maximum size in pixels for these bubbles, to control how cluttered the map looks depending on its zoom level and the density of the dots. See <a href="#">Apply Multiple Data Layers on a Single Map Visualization</a> .
Control data refresh overlays in visualizations	Control how overlays are shown in visualizations using the <a href="#">Visualization Overlay</a> property of workbooks. See <a href="#">Set Visualization Loading Overlay Opacity</a> .

Feature	Description
Control the dashboard filter bar	In the dashboard filter list box, use multiple filter options in the same control. Instead of putting six list boxes on the screen, manage a single filter bar with drop-down selections. See <a href="#">Create Dashboard Filters</a> .
Control workbook filter interactions from the filter bar	Control how all workbook filters interact from the workbook's filter bar. From the filter bar you can limit all related filters as specified for each filter, or turn off the limit by functionality. See <a href="#">Enable or Disable the Limit By Setting from the Filters Bar</a> .
Create composite card style tile visualizations	Create composite card style tile visualizations to include up to three measures, and define the layout and sizing properties of each measure. See <a href="#">Filter and Other Visualization Types</a> .
Create personalized no-data messages	Create your own message to display when no data is found in a visualization. See <a href="#">Create a Custom Error Message for Visualizations with No Data</a> .
Customize the appearance of the workbook header bar	Authors can show or hide the header bar, and customize the background and the text. Consumers can view the header bar configured by the author. See <a href="#">Create a Story</a> .
Display rows and columns of null values in pivot tables	Control how rows and columns of null values are displayed in pivot tables. This is especially useful when the top member of a hierarchy has a null value in Oracle Fusion Cloud Enterprise Performance Management or Oracle Essbase. See <a href="#">About Visualization Properties</a> .
Enable or disable saving of the XML data of Publisher report	Deselect the <b>XML for Republishing</b> property of the report if you don't want to save the XML data of report. See <a href="#">Advanced Options</a> .
Filter data more easily	Filter your data more easily using a new compact filter bar giving quick access to popular filters such as Top-Bottom N and Exclude or Include. See <a href="#">Filter Data in a Workbook</a> .
Filter data using a slider	Filter visualizations using a slider dashboard filter. You can visualize how your data changes interactively by selecting a measure value, or by playing through the measure automatically to display an animation. See <a href="#">Overview to Filtering and Animating Visualizations Using a Slider Dashboard Filter</a> .
Find enhanced Auto Insights performance and more insights	Auto Insights has been enhanced for greater rendering performance and additional insights such as Metrics Forecasting. See <a href="#">Choose the Best Visualizations for a Dataset Using Auto Insights</a> .
Go Noto font is the default fallback font for PDF output	<p>Oracle recommends that you test the use of Go Noto font as the fallback font in your analyses, dashboards, and pixel-perfect reports. See <a href="#">About the Classic Administration Page, PDF Output Properties, and Open-Source Fonts to Replace Licensed Monotype Fonts</a>.</p> <p>In March 2024, open-source fonts will replace the Albany Monotype fonts currently available for analyses, dashboards, and pixel-perfect reports in Oracle Analytics Publisher and Classic. You can use the open-source fonts available in the current release with your existing reports and edit the layouts as appropriate.</p>

Feature	Description
Improved experience for the Grammar and Property panels	Easily navigate on the Property panel, which is now adjacent to the Grammar panel on all workbooks. You see a message alerting you to the workbook being in authoring mode.
Improved Explain experience and segmentation algorithm	Try the improved user experience and enhanced algorithm supporting the Segmentation tab in Explain. Easily configure input for segmentation and export identified segments to use them directly on canvases. See <a href="#">Use Explain to Discover Data Insights</a> .
Improved Home page	Easily navigate on the redesigned and restyled Home page and take advantage of customization options. See <a href="#">Explore Your Content</a> .
Improved tile visualization	Try the improved tile visualization that allows you to add metrics to the tile while providing the layout and positioning of labels and values of the primary and secondary measures. See <a href="#">Filter and Other Visualization Types</a> .
Keep the Publisher report output private	Disable the <b>Make Output Public</b> option for the report job to keep the job output private. See <a href="#">Advanced Options</a> .
Open workbooks in view mode	Workbooks open in view mode by default. Turn off the <i>Open Workbooks as Viewer</i> setting in the user profile to open workbooks in edit mode. You can use the workbook-level setting to override the default user profile setting. See <a href="#">Configure Workbooks to Open in Edit Mode</a> .
Overlay charts	Use overlays to build multi-layered visuals in several more chart types, such as stacked bar charts with line, area, and category. You can also control the transparency of each layer. See <a href="#">Bar Graphs</a> .
Parameters enhancements	Create parameters in a workbook to use like variables to store and manage reusable values. You can use parameters as selectors that allow users to change their view of the data. You can also use parameters as controls, in a visualization's properties, in logical SQL expressions, expression filters, calculations, and in data actions and workbook navigation. See <a href="#">What Are Parameters?</a> and <a href="#">Create a Parameter</a> .
Provide authors fine-grain control on consumer options	Authors have fine-grain controls in Present to set visualization actions for consumer interactions on the dashboard (for example Export, Copy Data, Drill, Sort, and Zoom). See <a href="#">Create a Story and View a Story in Present Mode</a> .
Provide personalized tooltips for calculations	Provide additional information for My Calculations by entering a description for a calculation. The description displays in the tooltip of a calculation. See <a href="#">Create Calculated Data Elements in a Workbook</a> .
Thumbnails blurred to hide data	Workbook thumbnails displayed on the home page are blurred to hide sensitive content. For additional security, there's also a global setting for administrators to disable workbook thumbnails altogether. See <a href="#">Security Options – Save Workbook Thumbnails</a> .  When thumbnails are allowed, content authors can hide the thumbnail for individual workbooks as required. See <a href="#">Set Workbook Thumbnails</a> .

Feature	Description
Treemap and horizontal bar chart for Auto Insights	Add variety to your workbooks with the treemap and horizontal bar charts for Auto Insights. See <a href="#">Choose the Best Visualizations for a Dataset Using Auto Insights</a> .

## Data Connectivity, Modeling, and Preparation

Feature	Description
Add files from Dropbox and Google Drive to datasets with multiple tables	You can add files from Dropbox or Google Drive to a dataset with multiple tables. See <a href="#">Create a Dataset from a File Uploaded from Dropbox or Google Drive</a> .
Add files to datasets with multiple tables	You can add files to datasets with multiple tables. When you create a dataset, you can add tables from relational sources, local subject areas, and files. Each new entity created in datasets can be based on any of these data sources. This enables you to add multiple files to one dataset where each file becomes a table and to define joins between tables within a dataset. See <a href="#">Create a Dataset from a File Uploaded from Your Computer</a> .
Automatically calculate time durations such as year, month, and day	Employ recommendations to automatically calculate time durations by comparing the system date to years, months, and days. See <a href="#">About Data Enrichment and Transformation in Oracle Analytics</a> .
Connect to Google BigQuery	Analyze data from Google BigQuery data sources. See <a href="#">Connect to Google BigQuery</a> .
Convert data to AM and PM format more easily	Convert data to AM and PM format more easily in the dataset editor. See <a href="#">Convert Text Columns to Date or Time Columns</a> .
Filter based on valid and invalid data in quality insights	Quality Insights provides clear statistics about the validity of column values. Interact with the insight to filter column values based on their validity or invalidity. See <a href="#">Explore Your Data Using Quality Insights</a> .
Improved methodology of dataset semantic profiling	Enhancements to the random sampling depth and methodology that drives augmented features such as quality insights and recommendations. See <a href="#">What are Quality Insights?</a> .
Prepare data more quickly	Prepare your data immediately while Oracle Analytics Cloud profiles the data quality in the background. See <a href="#">About Data Enrichment and Transformation in Oracle Analytics</a> .
Prepare multiple data columns more easily	Prepare multiple data columns at the same time in the dataset editor. See <a href="#">Configure Columns Properties in a Dataset</a> .
Support for non-SSL, Kerberos connections to Hive	Connect to Hive databases with or without SSL. See <a href="#">Connect to a Hive Database Using Kerberos Authentication</a> .
Support for Spark 3.0 connections with Kerberos authentication	Configure connections to Spark 3.0 sources with Kerberos authentication with or without SSL. See <a href="#">Connecting to Data Sources Using Kerberos Authentication</a> .
Toggle sample data previews in metadata views	Allow users to switch off sample data previews in Metadata view to improve their user experience when previews aren't required. See <a href="#">Configure Columns Properties in a Dataset</a> .

Feature	Description
Transform data with Convert to Date recommendations	Transform unrecognized dates more easily using single-click Convert to Date recommendations. See Accept Enrichment Recommendations.

## Augmented Analytics and Machine Learning

Feature	Description
Increased limit size for Auto-Insights datasets (Oracle Database)	By leveraging random sampling techniques, Auto-Insights generates pertinent insights from datasets of any size provided that they're sourced from an Oracle Database. See Choose the Best Visualizations for a Dataset Using Auto Insights.
Integrate Oracle Functions with data flows	Register an API call or custom script as a function. For example, suppose you want to execute a data flow that runs a custom Python script. You can upload the script to OCI Function-as-a-Service (FaaS) and define a function for it. Oracle Analytics then natively consumes the function, directly invoking the FaaS function from within a data flow safely and securely. See About Using OCI Functions in Oracle Analytics.
Invoke artificial intelligence models from OCI Language	Add artificial intelligence capabilities to your visualizations by consuming OCI Language models in your data flows. See Apply an OCI Language Model to a Dataset.
Invoke machine learning models from OCI Data Science	Add machine learning capabilities to your visualizations by consuming OCI Data Science models in your data flows. See Apply an OCI Data Science Model to a Dataset.
OCI Vision AI integration in data flows	Register OCI Vision AI models in Oracle Analytics and execute them directly in data flows using your own set of images. OCI Vision can perform object detection, image classification, and text recognition on your images and return the results directly as datasets. See Perform Object Detection, Image Classification, and Text Detection Analysis.
Persist right-click analytics calculations	When a user selects right-click outliers or right-click clusters on a visualization, the results directly show in the visualization. Most of the time, the clusters and outliers that were identified and made visible need to be re-used for a subsequent analysis with different metrics. For example, you can define five clusters on customers sales and service volume, and reuse these five exact clusters to analyze profit for each of them. A single click generates a custom calculation that you can reuse in any other visualization. See Create a Calculation Based on a Cluster or Outlier.
Select columns for Auto Insights	Fine-tune the insights that Oracle Analytics generates for you by selecting which data columns to use for Auto Insights. See Tips on Using Auto Insights.

## Performance, Compliance, and Administration

Feature	Description
Auto Insights enabled by default	Auto Insights are enabled by default, and administrators can turn them off in Oracle Analytics Console if required. In earlier updates, the Auto Insights feature was disabled by default. See <a href="#">Tips on Using Auto Insights</a> .
Control email distribution	Use settings to affect email distribution of content such as format, maximum size, and maximum number of recipients. See <a href="#">Email Delivered by Agents Options</a> .
Email Publisher reports as a URL	Send Publisher reports as URLs. Configure report delivery at the system level or at the report level. See <a href="#">Set Up Delivery Destinations and Advanced Options</a> .
Manage content	Administrators can manage Oracle Analytics content from the Console. For example, if an employee leaves an organization, you might assign ownership of their workbooks and machine learning models to a different employee. See <a href="#">Change Ownership of Content</a> .
Support for wallet-less connections to Oracle Autonomous Data Warehouse	Connect to an Oracle Autonomous Data Warehouse that allows wallet-less connections. You can use the <b>Delete Wallet</b> option to remove a wallet file that you previously uploaded and no longer need. See <a href="#">Connect to Oracle Autonomous Data Warehouse</a> .
Track the progress and status of unarchive catalog jobs	Use the Unarchive Jobs tab in your My Accounts dialog to track the progress and current status of any unarchive catalog operations that you initiate. See <a href="#">Track Progress of Catalog Uploads (Unarchive)</a> .
Troubleshoot deliveries	If a delivery fails or completes with a warning you can drill down to more information. This will help you find out what went wrong and fix the problem. See <a href="#">Track the Reports You Distribute By Email or Through Agents</a> .

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Oracle Analytics What's New for Oracle Analytics Server,  
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