# 10.4 Features

## Data Source Certifications(Server)

This is what seems to be the most significant new feature for Tableau Server. Project leaders as well as site and server administrators can now gold-standard or certify the most relevant and updated data sources. There is also a feature for the admin to include a note of why the source can be trusted
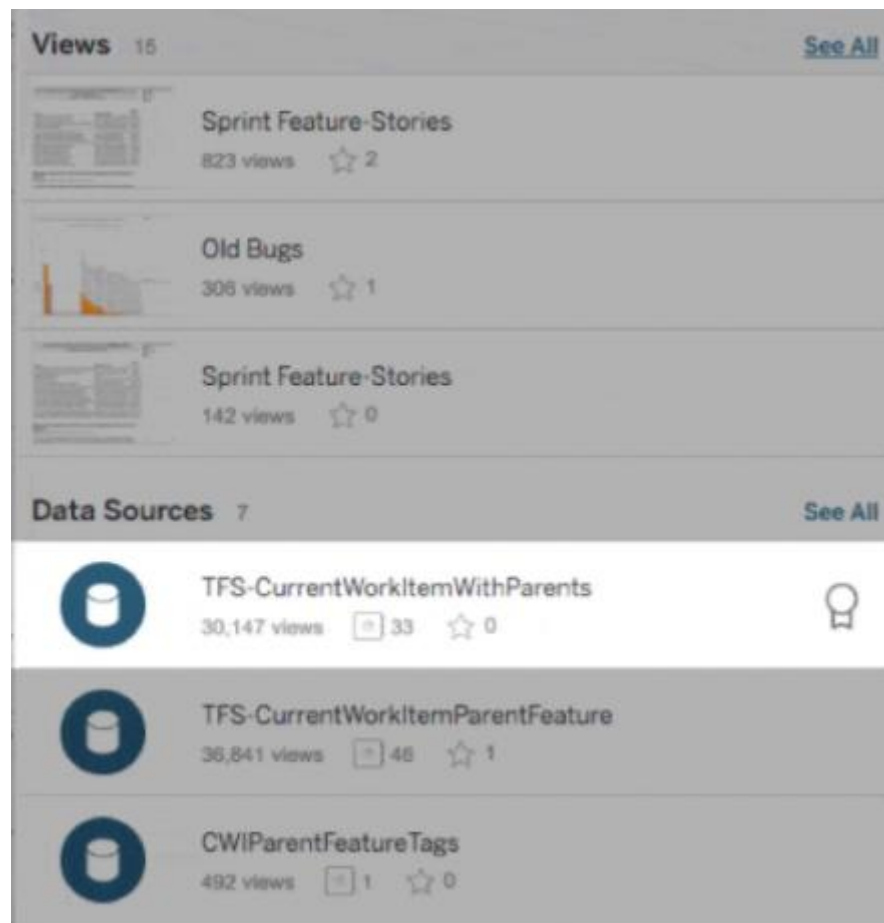
# Support for Recommended Data Sources (Server)

A recommended data source search feature has been added to Tableau Server. Like Google, certain topics are endorsed, as the user types, based on the user's preferences. The main purpose of this is to personalise the experience for the user and to help the server admin by improving discoverability of relevant data, thus encouraging proper data usage.
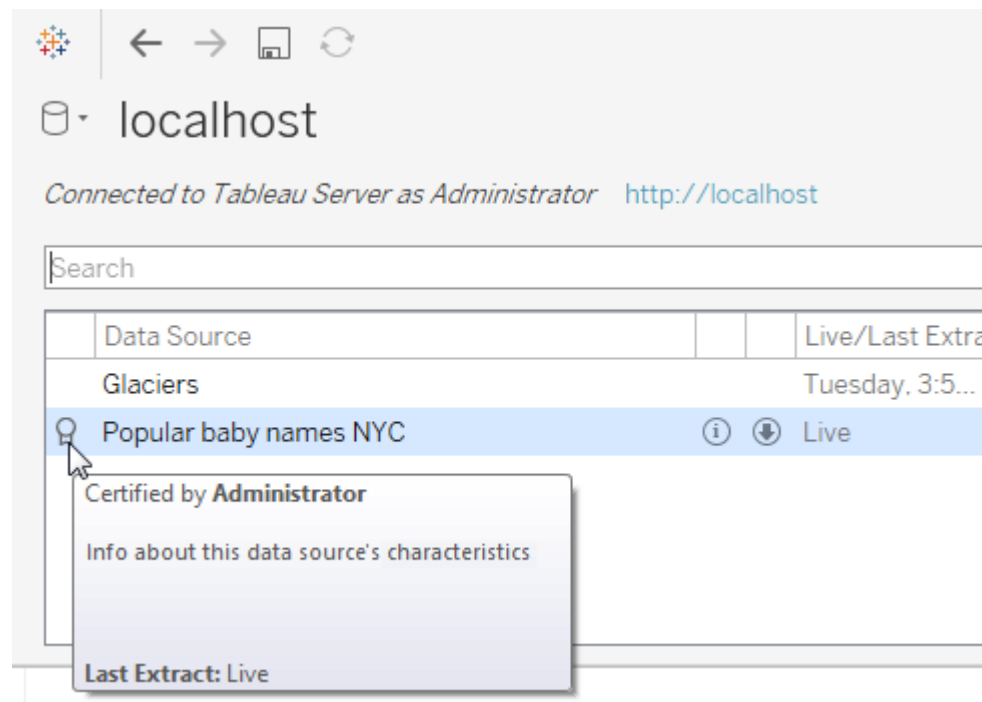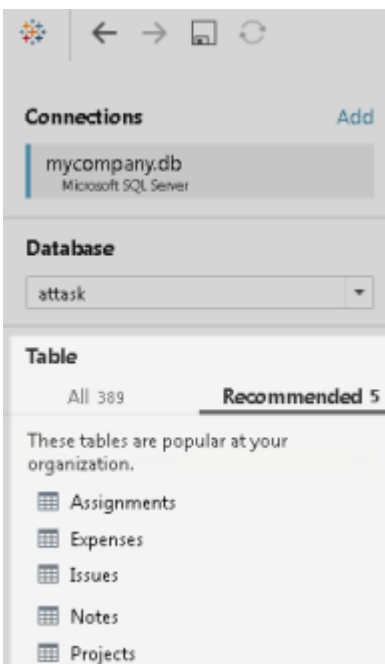
# Enhanced Commenting (Server)

Commenting capabilities have also gone a step further as it is possible to have interactive snapshots to highlight which aspects of the graphics you want your audience to concentrate on

# Views History (Server)

New to Tableau Server and Tableau Online, the owner of a view can see who in the company has seen the view. This is done by clicking on the ellipsis in the top right-hand corner of the main site page and clicking on "Who has seen this view?"

## Line Command Removal(Desktop)

When downloading Tableau Desktop or Tableau Reader through the command line prompt, it is possible to automatically uninstall previous versions. This feature is only supported back until Tableau 9.3. Any versions before this will have to be uninstalled manually.

# Tableau Desktop & Server Version Compatibility

Before 10.4, both Tableau Desktop and Tableau Server had to be in the same version if a user wanted to publish a workbook to Tableau Server. Now it is possible for a new Tableau Desktop workbook to be published to an older version of Tableau Server. This happens as the user is warned that the workbook is to be downgraded to the version of Tableau Server it is running on.

# Precise Dashboard Formatting(Desktop)

Desktop 10.4 has included a padding capability that allows the user to precisely position items on the dashboards. The option to have colour in both the background and the border allows visual highlighting and separation at ease. In the figure below, make note of the different sized borders in green and gold. This are edited individually using the padding icon on the bottom left of the
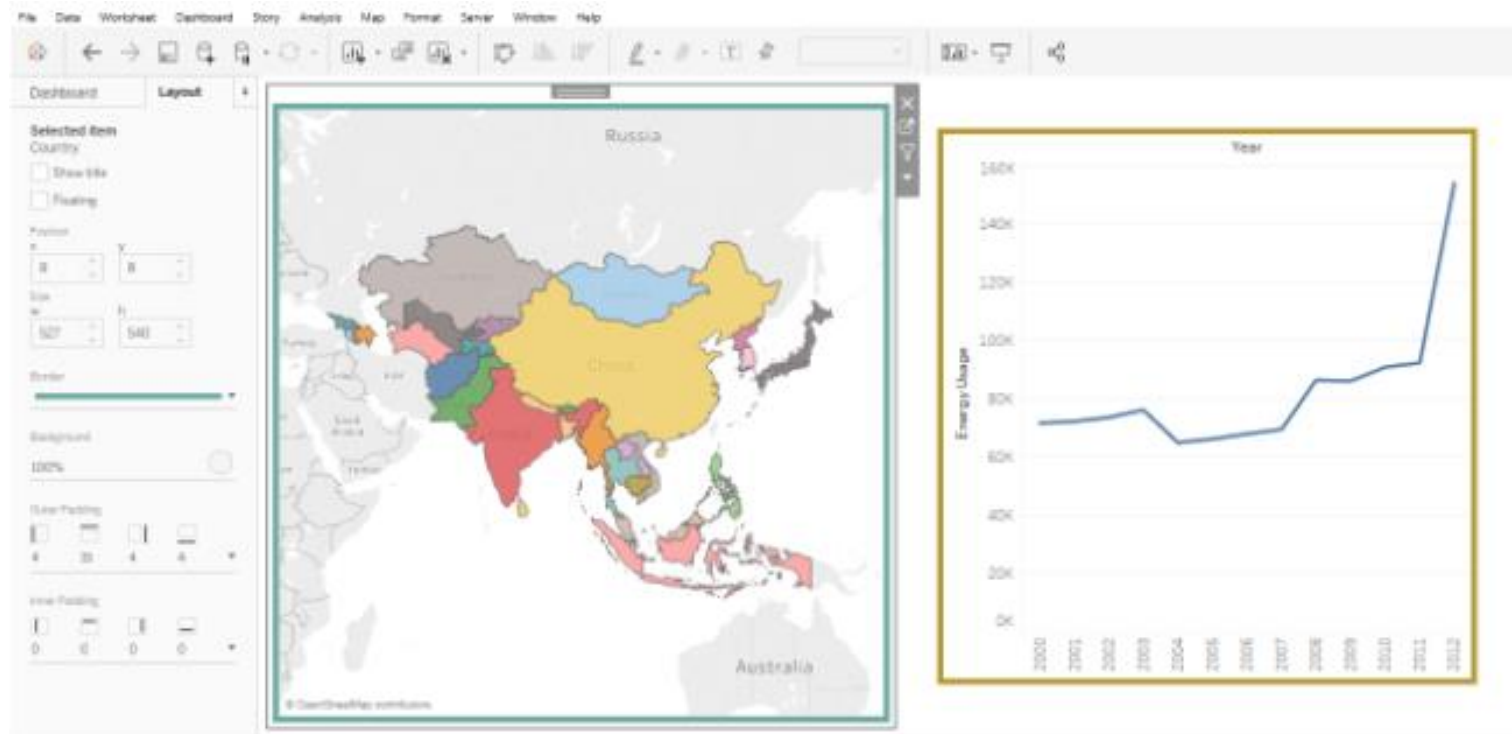
## Web Authoring Features(Desktop)

Tableau has included new capabilities for authoring worksheets and dashboards online.
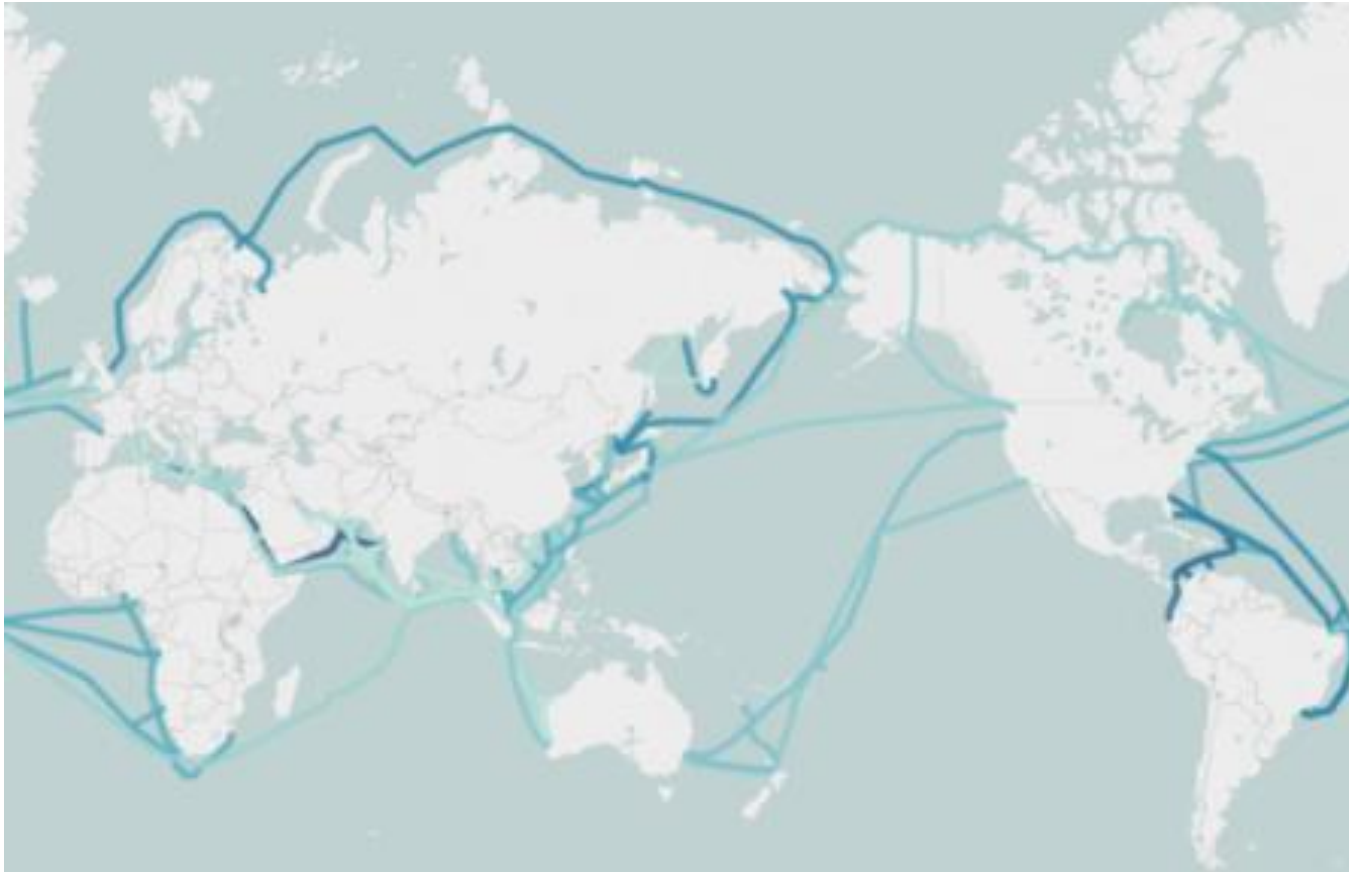
These are:
The ability to format the color and size of grid lines while authoring on the web.
Toolbar View: Web authoring previously only allowed viewing and interaction with the toolbar. 10.4 allows one to turn the toolbar on or off while online.
Other: It is now possible to edit groups and change alias names while online.

# Linear Geometries / Mapping Functions(Desktop)

Tableau has included new map features when connecting to spatial files with linear geometries.  Previously, it was only possible to connect to one of either point geometries: linear geometries or polygons. Now it is possible to connect to the following spatial file types: Shapefiles, MapInfo tables, KML files and GeoJSON files. You can then create point, line or polygon maps using the data in those files.

## Connectors(Desktop)

Tableau has included a number of new connectors and connector features to its ever-growing list. These are:

- Denodo: This is a data virtualization tool that brings in disparate data from any enterprise source, big data or cloud, rather than the underlying warehouse.
- Oracle via SSL (Service Socket Layer) on premise.
- MATLAB integration using SCRIPT functions.
- SAP GUI 7.4 support: This is the new SAP UI Landscape XML support.
- Creation of SAP BW extracts without special licensing keys.

# 10.5 Features

# Export As Version/backward compatibility

## Scenario 1 : Create New Workbook in 10.5 and Downgrade
•Create a new workbook in 10.5 Beta.
   • Create from some assortment of data sources.
   • Select any charts or visualizations as appropriate.
•Go to File Menu > Export As Older Version > Select an older version that user has available on their system.
•Select and open the newly created down-versioned workbook.
•Inspect workbook to see if any content was removed during the process.

## Scenario 2 : Downgrade an Existing Workbook
•Same as scenario 1, but selecting an existing workbook that the user has available.

## Scenario 3: Create a new workbook in 10.5 and create a Hyper extract, then attempt downgrade.
•Create a new workbook in 10.5 Beta.
   • Create from some assortment of data sources.
   • Select any charts or visualizations as appropriate.
•Create an extract from the selected data sources. 10.5 will create a Hyper extract.
•Go to File Menu > Export As Older Version should be grayed out.

## BONUS Scenario 3: Downgrade a complex existing workbook
•Selecting an existing workbook that has complex data sources, visualizations and logic.
•Go to File Menu > Export As Older Version > Select an older version that user has available on their system.
•Select and open the newly created down-versioned workbook.
•Inspect workbook to see if any content was removed during the process

# Viz In Tooltips

Viz in Tooltip gives users the ability to build and interact with visualizations that progressively reveal additional details about their data. As users hover over a mark, additional details-on-demand are displayed within its tooltip.This feature encourages users to engage with their data at a deeper level and maximizes the space available for the primary visualization.

## Scenario 1 :Create a Viz in a Tooltip

You will need two sheets to get started with Viz in Tooltip: a Source sheet (main view) and a Target sheet (tooltip view).
1.In the Source sheet, click the Tooltip button in the Marks card to open the Tooltip Editor.
2.Open the Insert menu in the Tooltip Editor. In the menu, select Sheets, and then select a Target sheet. This will add text markup representing settings for the Viz in Tooltip.
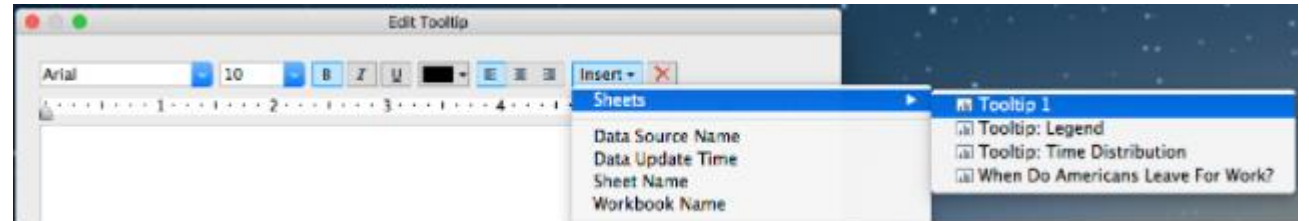


## Scenario 2 : Put Multiple Sheets in Tooltip

1.You will need a different Target sheet for each visualization within the same tooltip. (You can use the same tooltip sheet across different multiple Source sheets, but cannot reuse the same tooltip sheet within a single Source sheet).
2.Using the Insert menu in the Tooltip Editor, select multiple sheets. Text markup will be added for each sheet.

## Scenario 3 : Filter Viz in Tooltip on Selected Fields

By default, the Viz in Tooltip is filtered on All Fields (filtered on all fields possible, and on the most specific level of detail). You can change the level of detail of the data that is shown in Viz in Tooltip by defining a filter on Selected Fields.
1. In the source sheet viz, click the Tooltip button in the Marks card to open the Tooltip Editor.
2. Place your cursor within the filter attribute value (filter="") in the markup, and use the Insert Menu to select an available field. Or, you can manually replace the value with another field.

# Hyper

Hyper is Tableau's next generation database technology that will enable faster query performance on extracts of all sizes. Specifically, it's aimed at faster ingest times and faster refresh times. Hyper will be integrated into Tableau which means there will be no more Tableau Data Engine moving forward.
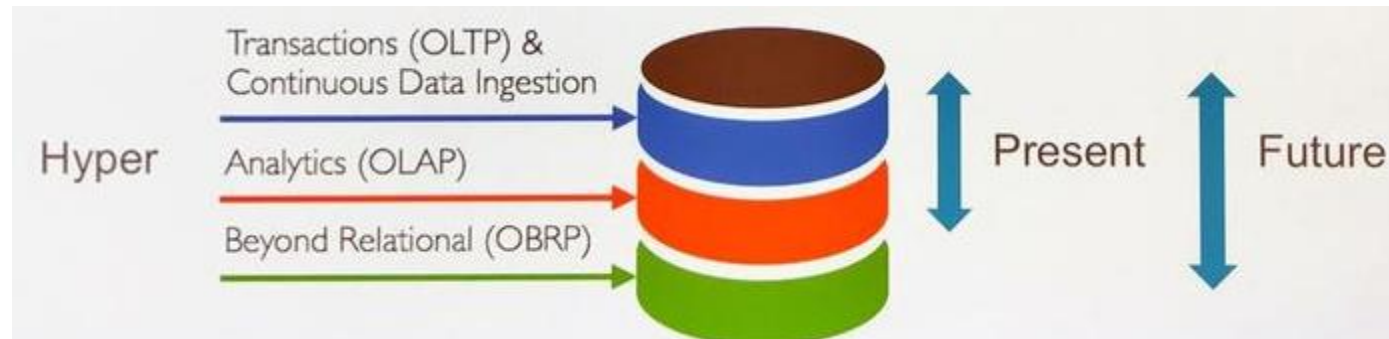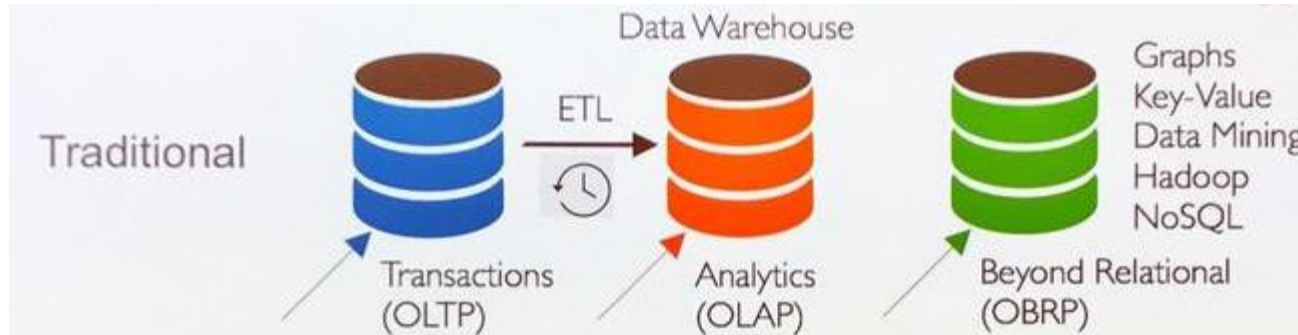
# Rename Workbooks in Tableau Server

This feature enables users to rename their workbooks directly in Tableau Server. Gone are the days where you needed to download the workbook, republish it under a new name, and delete the old copy.

This enables users to rename their workbooks with ease and without losing vital metadata such as usage history, subscriptions, favorites, bookmarks, etc.

Renamed workbooks retain the same URL that they had with the original name so that bookmarks, dashboard actions, and embedded vizzes all still work after a rename has occurred.
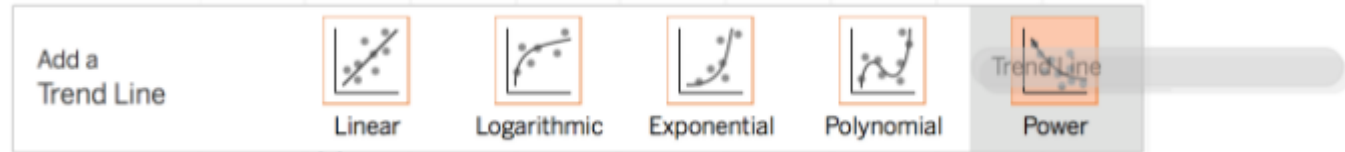
# Power Trendlines

This feature allows understanding power relationships between two variables.

## Scenario 1: Create a power trendline

1. Build a scatter plot with data that you expect to exhibit a power relationship and drag the trendline analytic object into the view. Drop it over the new Power option.



2. Hover over the trendline to examine the shape of the curve and tooltip for the trendline which displays power equation for the line.

3. Try different trendline options and examine tooltips for them as well.

## Scenario 2: Turn off trendline tooltips

1. Click on the trendline and select Edit.
2. Uncheck the Show Tooltips box to hide the trendline tooltip then dismiss the dialog by clicking OK.