



Dhiva - 5.0 Release Notes

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Enhancements

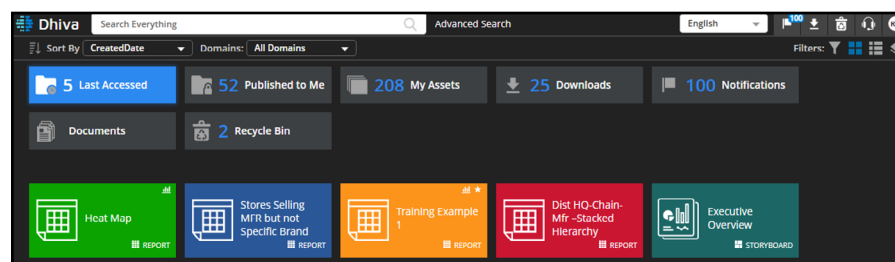
Home Page

Home Page Indicator and Search Parameter for Charts

A visual icon  now appears on the Home Page for Reports containing charts, and a “Visual(s)” field has been added as a filter criterion on the Advanced Search List.

Starred Assets in Tile View

Starred assets are now indicated on the Home Page when in Tile View.



Recycle Bin for Deleted Assets

Upon deleting an asset(s), users have the option to “Delete” or “Permanently Delete”. The “Permanently Delete” option will remove the asset completely and the “Delete” option will move the asset to a Recycle Bin tab. This will allow users to recover assets even after deleting. From the Recycle Bin tab, users can either restore the assets to their original location or delete them permanently.

Note: Assets in the Recycle Bin are automatically deleted after 30-days if not restored/permanently deleted, similar to the downloads tab.

Confirmation

Are you sure you want to delete Training Example 1? Please choose an option.

[Cancel](#) [Delete Permanently](#) [DELETE](#)

New User Settings Menu

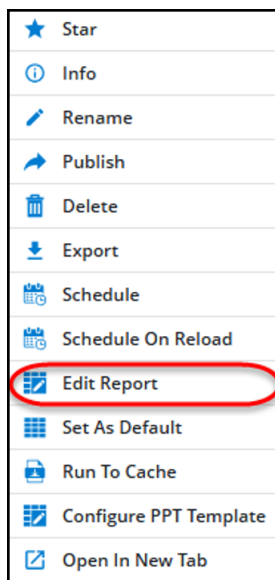
Via the User Options menu->Settings, users can now specify/configure their own preferences for various settings in the application. These custom settings will take precedence over the default global settings for the site.

Home Page System-Defined Folders Setting

Upon logging into Dhiva, users now have the option to have the system-defined folders (“Last Accessed” and “Published to Me”) be expanded or collapsed on the home screen by default. These settings can be adjusted in the User Options menu->Settings.

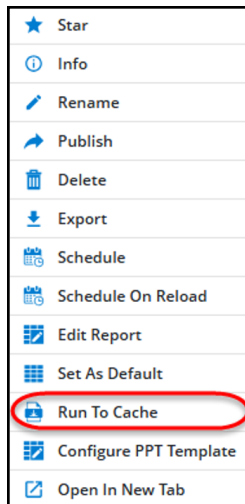
New “Edit Report” Behavior for Reports with Charts

Regardless of which tab a Report is saved on, any Report with charts will open to the Report view tab by default when the user selects “Edit Report” from the asset options menu on the Home Page.



“Run As Offline” Option Renamed

The “Run As Offline” option has been renamed to “Run To Cache”. This option will run an asset in the background to cache the current view (current filters, hierarchy level, etc.) for faster future access.



Basic Report Features

Report Layout Generation Menu

Users now have options before generating data in a Report layout screen. Using the dropdown arrow next to the “generate” button in the middle of the Report grid, users can choose to either “Preview Layout” or “Run To Cache”.

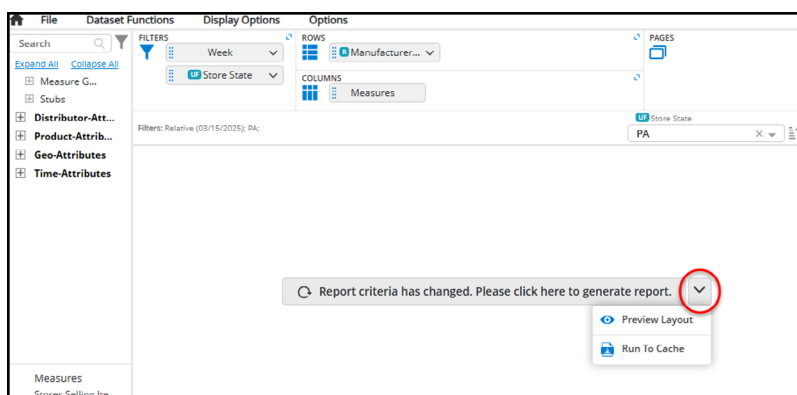
Report Layout Preview

Selecting “Preview Layout” will allow users to see how the currently placed attributes and measures will be displayed on rows and columns without retrieving the data. Pages are not displayed in the Layout Preview.

Run Report Straight to Cache

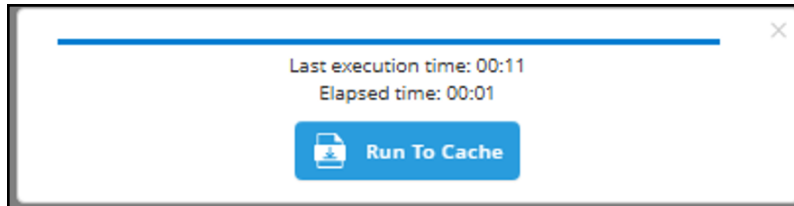
Using the “Run To Cache” option will begin generating the current Report in the background, allowing the user to continue editing the same Report as it generates.

Note: This option is available once a Report has been saved.



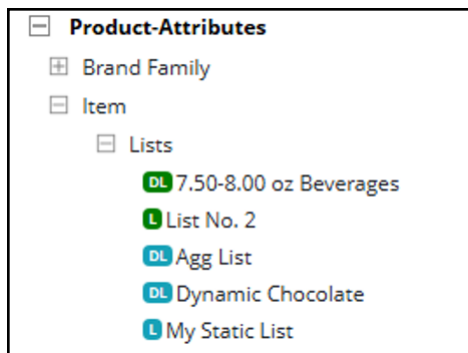
Redirect Report to Queue

When generating a Report, users will have the option to select “Run to Cache” to redirect it to run in the background and finish processing. This will allow the users to log out or let the session expire without losing the Report.



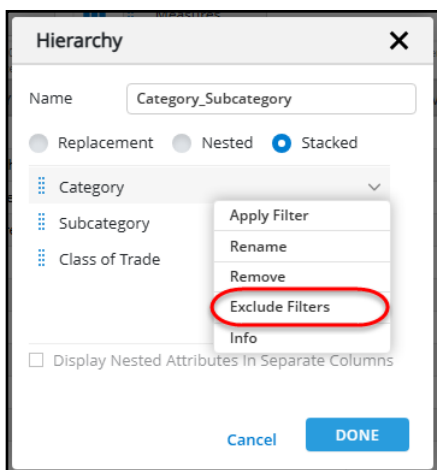
Identification for Dynamic Lists and Groups

A visual indicator now distinguishes dynamic lists (“DL”) from static lists (“L”). Dynamic groups (“DG”) and static groups (“G”) now have visual indicators too. These indicators apply to personal and global lists/groups.



Exclude Filters in Report Layout

Producers can now choose to ignore report filters or User Filters for a selected attribute on the report layout using the dropdown menu for an attribute on rows/columns/pages. This allows the user to create a total on a report by excluding selected filters for a specific attribute. If an attribute has any filters excluded, they will be indicated by an “F” icon in the hierarchy window. The excluding filters feature is only available for attributes within a Hierarchy.



Displaying Nested Attributes in Separate Columns

Producers now have the option to output each level of a Nested Hierarchy in a separate column using the “Display Nested Attributes In Separate Columns” setting. This setting can be modified in the Hierarchy window and is only available for Nested Hierarchies.

STORE STATE, CHAIN NAME	UNIT VOL-CURR-1W	UNIT VOL-YAGO-1W
Total	144,720,000.0	150,134,409.0
+ OH	14,065,601.0	14,657,156.0
+ MI	10,083,760.0	10,435,910.0
+ TX	9,197,108.0	9,083,903.0
- NC	7,719,928.0	7,960,312.0
INDEPENDENT	2,918,512.0	3,230,706.0
7-ELEVEN	1,658,855.0	1,756,624.0
FAMILY FARE	448,136.0	394,257.0
HAN-DEE HUGOS	339,720.0	297,494.0
QUALITY OIL COMPANY	312,111.0	303,515.0
REFUEL STORES	305,571.0	313,473.0
JERNIGAN OIL CO. INC.	254,426.0	274,800.0
ROYAL FARMS	116,638.0	78,425.0
FIVE BELOW	103,312.0	25,995.0

TOTAL	STORE STATE	CHAIN NAME	UNIT VOL-CURR-1W	UNIT VOL-YAGO-1W
Total			144,720,000.0	150,134,409.0
Total	+ OH		14,065,601.0	14,657,156.0
Total	+ MI		10,083,760.0	10,435,910.0
Total	+ TX		9,197,108.0	9,083,903.0
Total	- NC		7,719,928.0	7,960,312.0
Total	NC	INDEPENDENT	2,918,512.0	3,230,706.0
Total	NC	7-ELEVEN	1,658,855.0	1,756,624.0
Total	NC	FAMILY FARE	448,136.0	394,257.0
Total	NC	HAN-DEE HUGOS	339,720.0	297,494.0
Total	NC	QUALITY OIL COMPANY	312,111.0	303,515.0
Total	NC	REFUEL STORES	305,571.0	313,473.0
Total	NC	JERNIGAN OIL CO. INC.	254,426.0	274,800.0
Total	NC	ROYAL FARMS	116,638.0	78,425.0
Total	NC	FIVE BELOW	103,312.0	25,995.0

Copy Tabular Report Data to Clipboard

Users can now copy all data from a Report grid into their clipboard, allowing them to quickly paste data directly into Excel. To copy data from the Report view, right-click on the grid and select “Copy Data”.

Ability to Sort on Columns Ascending/Descending

Users can now place a sort on columns based on attribute values. Specifically, when a time attribute has been placed in columns, it will now default to being sorted in descending order. This places the most recent time selection on the leftmost side of the Report grid. Other attributes will default to ascending order when placed on columns.

Ability to Save without Mandatory Filters Selections

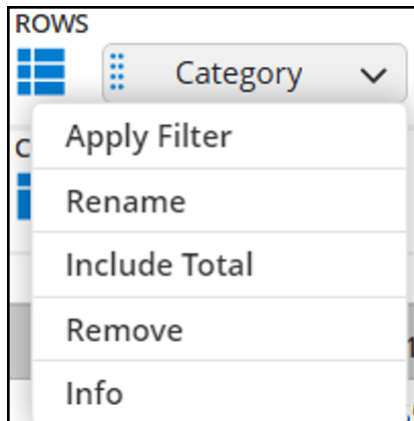
When saving an asset that contains mandatory User Filters, users can now save the Report/Storyboard without a mandatory value selected. Mandatory values will still need to be selected before generating.

Optimal Width Option for Grid

Via the Display Options->Grid->Column Width Options menu, users can now utilize the new “Optimal View” option to adjust the grid columns based on the content of each column. The entire grid will span across the viewport, similar to the “Fit to Window” option. The size of each column adjusts based on attribute values and leaves minimal space for measures.

Apply Filter Through the Attributes/Objects Report Layout

For any attribute or object placed on rows/columns/pages, users can now apply Report filters directly from the Report layout via the dropdown menu on that attribute/object.



Scheduling on the Last Day of the Month/Quarter

When scheduling an asset, users can now choose to run it on the last day of the month/quarter by selecting the respective “Last Day Of Every Month/“Last Day Of Every Quarter” checkbox in the Scheduling dialogue box. Dhiva will automatically adjust the scheduled date regardless of whether the month contains 28, 29, 30, or 31 days.

Note: This checkbox is only available if Monthly/Quarterly frequency is selected.

Extending “Open” Functionality from the File Menu

From within a Report or Storyboard, users can now open any asset (in the same tab or in a new tab) via File->Open.

Charts/Exports

New Chart Styles for Line and Pie Chart

Via Chart Properties, Line Charts now have “smooth” and “step” line styles available, and Pie Charts now include a “half-doughnut” chart option.

Dynamic Bins for Bubble Chart

Producer users can now specify a new benchmark for Bubble Chart bins using the “Enable Dynamic Bins” checkbox in chart properties.

Custom Range Gradient Option for Charts

In the Chart Properties menu, a new color palette titled “Range” is now available. This option allows the user to assign specific colors to custom range(s).

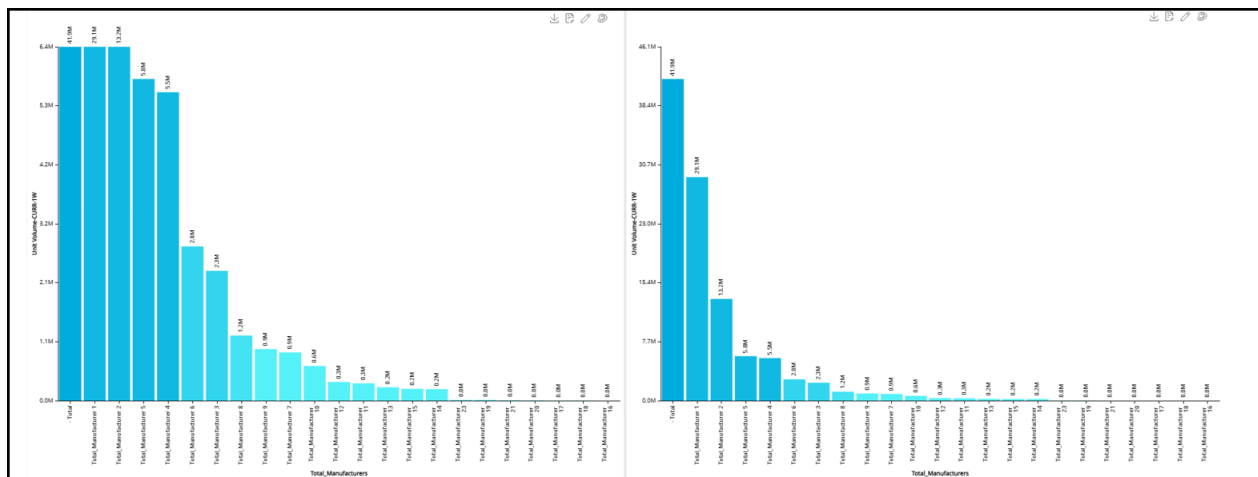
Custom Color Palette Set as Site Default

In addition to the predefined color palettes, a custom-defined color palette can now be set as the default for all charts. This must be set by an Admin user, so to have a custom color palette set for your site contact your MSA Client Relations team.

Note: This color change only applies to charts created after the setting change and will not affect existing assets.

Chart Axes Minimum/Maximum Auto Adjust Based on Data

Users now have the option to toggle between “IQR-calculated axes” or the “None” setting on applicable Chart Types (Bar, Column, and Radar-Column Charts). When set to “None”, Dhiva will set the axes based on the chart data in a way that fits all data (similar to axes calculation on Line Charts). This setting can be changed as a default (via the User Settings menu) or on individual Reports in the Chart Properties menu.



Export Storyboard to Excel

In addition to PPT and PDF, users now have the option to export a storyboard in Excel format. Each storyboard widget will appear as a separate tab within the excel export.

Option to Export All Measure Groups to Excel

When exporting a Report that contains Measure Groups as a User Filter, the option to “Export All Measure Group User Filters” values in a single export is now available. When this box is selected in the export options dialogue box, Dhiva will export each Measure Group as a separate tab. This option is only available when exporting to Excel and after the Report is saved.

Note: *More than four Measure Groups in the User Filter will cause the Export to fail if the “Export All Measure Group User Filters” option is selected.*

Export/Email Annotations Via Clipboard

Annotations can now be exported/mailed using the clipboard. Currently, annotations don’t carry through to normal Report/SB exports, but by copying the desired Report/chart to the clipboard, users can then export the copied annotation to PPT/PDF or receive corresponding PNG file(s) via email.

Export Dhiva Tab Names to Excel Export Files

Admin users can now enable or disable options regarding adding Dhiva tab names as a prefix when exporting to Excel through global settings. This setting may be specified for single and multi-visual exports.

Note: *The default settings will be that Dhiva prepends the tab names for when exporting “All Visuals” and does not prepend the tab names when exporting only the “Current Visual”.*

Information About Page Attributes Included in PPT Exports

An option has been added which enables page filters to be displayed in the filter line in Report exports and storyboard UI & exports. The page filter(s) can be customized to be listed before or after the Report filters using the User Settings menu on the Home Page.

PPT Export Now Uses Client PPT Template for Unsaved Report

Reports and Storyboards exported to PowerPoint now export in the expected PPT template, even if the asset has not been saved.

User Filter Search Available in Mobile View

Text search functionality is now enabled for User Filters and Page Filters on mobile devices (tablets/smart phones).

Advanced Report Features

Passing Measure Parameter User Filters into an Object

When an object (Conditional List/List/Group/Stub) is used on a Report layout (specifically rows/columns/pages), Producers can now configure Measure Parameter User Filter values for these objects. Recall that configuring filters on an object considers that value(s) in the evaluation of the object.

Mapping Measure Parameters Across Domains

For clients with multiple domains, measure versus/duration parameter options can now be configured to conform across domains upon request. Conforming across domains will make it so that a single User Filter will function for all applicable Reports. This enhancement can be utilized when creating a Storyboard which contains Reports from multiple domains so that User Filters applied on one domain can be passed to another domain if related measure parameters are mapped equivalently.

Additional Math Dataset Functions

A few additional math functions will be provided when creating a custom measure via the Dataset Functions->New Measure Value menu. These functions include trigonometry functions and square root. They are available in the "Simple Math Functions" dropdown.

Analyst/Offline Viewer

New License Type "Explore Pro" Available (Additional Fee)

With this license, users will be able to generate a Diagnostic Summary Report, in addition to all Explore-license features.

Offline Viewer on Smart Phones

Offline Viewer will now be available for use on mobile devices.

Key Bug Fixes

- In the Manage Groups dialog box, Select All (double-left and double-right arrows) actions respect the text in the respective search box.
- “KPI Chart” values update based on User Filter selection changes.
- Conditional Lists placed on the Report grid (rows/columns/pages) now filters the Report as expected. Reports return the same results whether the Conditional List is on Filters and rows/columns/pages, or only placed on rows/columns/pages.
- Sorts placed on a Report with a Stub/Stacked Hierarchy on columns now work as expected, even when null data is present.
- Column hiding is now working as expected in reports with a Stacked Hierarchy (containing a Group) on columns.

