What's new in ReportPortal 5?

Modern looking UI based on:

- Bootstrap 3 (<http://getbootstrap.com/>)

- Bootstrap-slider (<http://www.eyecon.ro/bootstrap-slider>)

- Bootstrap-date picker (<https://github.com/eternicode/bootstrap-datepicker>)

- jQuery 1.12.3 (<https://jquery.com/>)

- Jquery Toast Plugin (<http://kamranahmed.info/toast>)

- tinymce 4.4.3 <https://www.tinymce.com/docs/demo/basic-example/>

- Note: IE 9 and earlier will not use Bootstrap related features

**OLAP report**

- Fast paging option (improves performance)

- Supports Microsoft Edge

- Mondrian - Pentaho support <http://mondrian.pentaho.com/>

- SSAS 2012 Tabular Mode support

Options

- VisualTotals option

- New option: Hide All Member

- New Option to disable Analyze context menu item

- Option to change the chart background image

- New Filter Option under Dimension Tab: new options: Hide Search, Hide Multi-Select, Chart

- Advanced options for Write-back enabled cubes: Value to Allocate, Allocation Method and Weight Expression. The options dialog will have Write-Back tab will appear when the cube is Write-back enabled.

- Dimensions - allows sorting Filter that are placed on Rows and Columns. Filter members will be also sorted.

- Report level option to export filters

Chart

- New Chart option: Show Anchors

- New Chart option: Show label every Nth step

- Chart Options > new Scale option: K

- New Scatter and Bubble Chart options: Quadrant, Regression line and the ability to control the chart floor and ceiling for both axis

- New Pie Chart option: Show percentages

- New Chart option: 100% Stacked

- Bubble Chart: bubbles will be more transparent when values will be placed inside of them

- Chart Dialog now gives the ability to specify the height and width percent.

- Chart: gradient color is replaced with solid color

- Clicking on cell will highlight the related chart element. Control and Shift click will highlight Chart elements.

- Click-drag and release will highlight related chart elements

- Charts > Range slider filter for Geo and google maps

- Geo Chart will now use exact, space trimmed, case insensitive match (instead of wildcard search used before)

- Clicking on a chart element will highlight the selected cell. Control-click will highlight cells.

Field List

- Change Named set icon to {}

- Ability to select level when parent dimension is selected

- Search box above the Field list

- Excel 2007+ Drag and Drop interface

- Defer update option will now defer execution when a filter value is changed

- Single measure can now be placed into separate display folders separated by semicolon (;)

- The tool tip for will now show measures that are not in the chart

Filters

- Filter in multi-select mode that are also selected on rows or columns, now have a small button to sort selected members

- Ability to collapse filters

- Filter in design mode now has a small button to open the options for the dimension

- Ability to Pin multi-select Filter (gives the report designer the ability to restrict the filter for report user)

Exporting

- HTML in Report Description can be exported to PDF

- PDF Export will now include Data Bars and Gradients

- Excel 2007+ Exporting: alternate row formatting and hyperlink support

- Excel 2007+ exporting will merge duplicate groupings

- Application option to hide first line (sep=,) in CSV file

Drillthrough

- Ability to reserve Drillthough selection on Report or Cube-User level

- Sorting of Drillthrough results

- Drillthough with Multi-select filters will now show the progress bar

- Drillthrough - better column captions

Write-back

- Ability to enter a value directly into a cell when the cube is Write-back enabled

- Write back: prevent the update of calculated measure

Named-set

- Ability to place a named-set in rows/columns and filters at the same time

- Named set dialog - ability to page members (when Options > Filter paging is set)

- Named-sets placed on filters will now have "All" member

- Named set > MDX tab > Get rows MDX button

Big Box Wizard

- Big Box wizard: Added calculated Measures

- Big Box wizard: New Gradient and Shadow options

- Ability to control double-click action of a cell at the application level (Admin > Settings > OLAP Report > Double Click = Analyze, Drillthough or None)

- Ability to right click on a cell to create an Alert

- KPI Wizard to include expanded gauge

- Spark lines - "Big Box" option

- Filter Rows: text tab - allows for easier filtering of multiple values. Each line is a new value.

- Show a Timer when report is executing

- Report actions: ability to add application-level actions under the Actions panel and the calculated members dialog

- Conditional formatting: ability to add "null"

- Drill-down mode support unbalanced child-parent hierarchy

- In the expand mode, members will not collapse when a new dimensions are added/ deleted to rows or when a filter value is changed.

- Page number box will be resized automatically

- Table cell selection can be made using key right, left, down and up keys

**SQL Report:**

Export

- Excel Exporting of Time (hh:mm:ss)

- CSV Exporting - Filter values are split into separate lines

- Ability to export reports that do not run on load without loading them first

- Excel 2007+ Exporting: alternate row formatting and hyperlink support <http://www.reportportal.com/images/build/189/SqlExcelUrl.png>

Filters

- Multi-Select filter type

- All (Not Selected) Label will now work with Multi-Select filter type

- All (Not Selected) Value. If blank '00000' value will be used. This value should not be present in the Key Column. When selected, column1 = '::1' will be replaced with column1 <> '00000'

Sorting

- Ability to sort when SQL has the GROUP BY clause

- Sorting on multiple columns

Options

- Columns tab > Text Align (Left, Center, Right)

- New Drill Down and Expand options when Use "Group By" is used

- Option to disable data caching

- Ability to rename table headers via GUI

- Support for **DMX nested tables**

- More efficient way of loading a result sets with a large (1m+) number of records

- More efficient paging mechanism. The SQL (or stored procedure) will be only once and results cached

- Multi-results report can now be pivoted

- Support for Azure database and Azure parallel data warehouse

– Spinning progress icon when exporting

- Charts > Range slider for Geo and google maps

**Dashboard**

- Reports cannot be added or deleted in view mode

- Description support for Blog and Wiki

- “Add Report” link at the bottom of each report group

- Options > Tab Options

- Dashboard group will be resized when another group is deleted

- Excel XLSX export will include charts

- New "Add HTML" panel feature

- Setting the Refresh rate will not make sub-reports flicker

- New “Auto Resize” option will resize the dashboard to 100% of the page (in the view mode).

- New sub-report option "Ignore Filters" will make the sub-report ignore dashboard filter

- Dashboard/Wiki/Blog HTML editor: ability to select Favorite (star) folder

- Ability to add embedded filters

- Ability to specify targets for OLAP report types and embedded filters.

- In OLAP report, you can select chart elements or cells

- For other OLAP type of report (such as Tree Map) you can use control key to select multiple elements

- Updated Standard and Modern themes

- When adding a report reports will be filtered by the current connection

- SQL report Filters

- ROLAP Filters

\* Pass filters to target (if unchecked only the selected value will be passed to targets)

- Ability to move tabs

- New options:

\* Color Palette

\* Hide Legend

\* Hide "All" level for embedded filters

- Options > Hide title bar in view mode

- Options > Filter Columns and Label Position - for SQL filters

**Data Entry**

- Options to Export and Import files

- New Option: Email record

- New Options: Data Grid Sorting Column

- Options > Override SQL - will affect grid view and children in the tree view

- New application option “Allow using multiple SQL databases with different collations”

- Child frames will be auto resized

- Tree sorting will also sort child nodes

- Calculated members will be visible in the grid view

- New “Edit Table in DB Admin” toolbar button available for admin users

- Many-to-Many: Selected-Available Lists with search box

- DB Lookup: Search Box

- Data Grid will show Value for each key as specified in a dropdown or DB Lookup

- Ability to save record history and roll back records changes. This is useful for auditing and version control. <http://www.reportportal.com/flash/DataEntryEditHist.htm>

- Ability to search columns of parent and child forms

- Allow to search multiple columns

- New Search Mode: Top 100 used values

- New Search Mode: Exact Search

- Can be sorted even when there is SQL has Group BY clause

- placeholder

- child grid search

- Search box above the tree view

- Duplicate record insert check

**ROLAP Report**

- PDF Chart Export

- Design mode: ability to resize measures, rows, filters and columns panels

- Admin: Ability to create and schedule an aggregation as an SQL Report

- Admin: Ability to change the name of aggregation table

- New drag and drop interface (Excel 2007+ style). <http://www.reportportal.com/help/images/rolap/panels.gif>

- Safari and iPad support

- Delete filter icon is deleted because the filter can be deleted via the Filters Drop panel

- Option to change the Blank value

- Ability to Export Chart with Excel XLSX

- Column values will show only non-empty members

- calculated measures can now use Sum and other aggregation functions

- Filter Textbox Search type is saved

- Chart Options: Chart background image

- Order By clause is now used Group By clause is used

- “All” is added to the filter

- Expand Mode

- Ability to use a hierarchy and multiple levels on Columns

- Rollup on/off toolbar icon

- Switch axis toolbar icon

- Numeric fields are changed from Navy to Orange

- New Option "Span Rows" can be used in Expand All mode when there is more than one selection on rows

- Export to Excel IQY

**SSRS File**

New Report Type: SSRS File - unlike SSRS server the RDL file is uploaded directly into ReportPortal. This is useful when SSRS server is installed behind the firewall and users need to access SSRS report from outside of the network.

- Different Parameters and Date Pickers support

- Drillthrough support

- Support for SQL-based default value

- Support for multiple choice parameter

- Ability to use stored procedures

- Support for Report Viewer Version 11 (SQL Server 2014)

- Support for SSAS cube as data source

**Subscriptions /Scheduler**

- Ability to Schedule: Crystal, Link, R Report, ROLAP Report, SSRS File and Dashboards

- New Content type: CSV

- For Dashboards HTML Content type will merge HTML files and into a single PDF or ZIP file for other types

- ability to run a subscription any time by clicking the new “Test” button

- SFTP support

- Scheduler can now deliver charts

- Ability to select filter values for SQL Report via a dropdowns

- Admin > Schedules will show the History Tab

- improved debugging (INSERT INTO AppSettings (Param, ParamValue) VALUES ('DebugScheduler','True'))

- Ability to create a condition based on multiple cells

- Schedule End hour and minute

- SQL Report Commend timeout at the application level

**DB Admin**

- Dimensional Usage Table for XMLA connections

- Export Table Schema

- Identity Insert

- Data Entry Button

- Ability to import Excel 2007+

- Ability to export Excel 2007+

- Support for Column Store indexes

- Upload will insert new records and update existing records

- Ability to process (and schedule processing) of SSAS cube, database or dimension

- Support for Azure database and Azure parallel data warehouse

- Ability to execute stored procedures

**Report Tree**

New Options:

- Hide folder/file Icon

- Hide expand Icon

- Show report count

- Hide other open folders

- Expanding and collapsing of folder is animated

- Right click on a report to set a default report

- Right click to remove report from “Starred”

- In design mode, right click to view report

- Ability to filter reports by report type category.

- Report Tree header is frozen

- The approve icon next to the folder that will require approval

- Search will allow search for not approved reports

- Expand-All header will be more steadily fixed in place

- “Copy Link” dialog now provides "Email Link" option will produce a token enabled link (like: <http://reportportal.us/ReportPortal/default.aspx?reportId=x&u=y&p=z>)

- Connection view now includes SQL reports

- Search box above the Report Tree

- In design mode ability to select other report types

**Admin**

- User Filter Value: "Loading" message for OLAP filters

- OLAP Report> Other Server Side Execution

- Security > Snapshot:

-- Users can see all snapshots

-- Users can see snapshots they create. Admin can see all snapshots.

-- Let snapshot creator choose (public) snapshot security

-- Snapshots are not allowed

- Security > Email Report:

-- No authentication required; "Outside Email" option available

-- No authentication required, restrict user list to those users that have access to the report

-- Authentication required, users that do not have report access will see access denied error

-- Authentication required, restrict user list to those users that have access to the report

-- Emailing reports not allowed

Settings > OLAP Report: Time Dimension - Current Date Position

\* Admin > Settings > Site Settings

- Temp Folder Path

- Show iframe dialogs

- Row highlighting

- Settings

\* “Show iframe dialogs” option will show spinning load dialog icon

\* Excel: Version = Excel 2007+ or Excel 97-2003, Export Data only and Export Chart options

Settings > Security: new Options:

- Save Windows Password at Login

- Writer can manage folder security

Settings > OLAP Report > Maximum

- New Option: User is not allowed to exceed maximum

- New Option: Maximum Cells

Settings > Excel

- Ability to select file version: XSL, XLSX or XML

- Report image will be embedded inside of the XLSX file

Settings

- Excel: Display multi-filter values on separate rows

- Security: Security View Restricted to Assigned Roles

Settings (new options)

> Ratings

- Improved look and functionality of ratings and comments

- 2 new Types (Like, Like / Dislike) and the old type (5 Stars)

- Comments will now appear in a floating window above the report

- Cell comments are now included alongside with report comments

- Ability to reply to cell comments

Settings

- Report Tree > Hide Report Tree for iPad

- Approve > Inherit Parent Approvers

- Subscriptions > Snapshots per report limit

- Filter selection will not cache when the locale of report creator and the report viewer is different

- OLAP >

\* Cache filter selection

\* Disable Multi Select Switching

\* Defer Layout Update

\* Defer Layout Update on Top

\* Hide Calculated measure MDX tooltip

\* Server timeout (in seconds)

\* Chart position

Setting >

- Security > “Everyone can save OLAP calculated members to public” and “Publishers can view reports”

- Report Tree > “Auto Resize”, “Animate folder opening”, “Hide Connection View”, “Hide Folder View”

- Crystal > “Expand Group Tree” and “Version” (selecting the version will improve the performance of Crystal reports).

- Version > “Target .NET Version” , “Current .NET Version”, “OS Version”, “64 bit”

- Header Options > Hide Alerts

- Subscription > Command Timeout

- Settings: Event Viewer for RpR Service

- Settings > Security > “Report id encryption”. (This option prevents the tempering with the report id in the URL of an email or a report link)

- Settings > Subscription > File Name Pattern > Report Name (without date at the end)

- Settings > Show iframe dialogs - dialogs can now be nested outside of each other. For example, MDX Wizard Dialog and be outside of the calculated member dialog.

- Settings - Email: - support for Implicit SMTP SSL (via Port 465)

Settings

- Glyph Icons and Glyph Color

- Enable Google Charts. Uncheck if the Site does not have web access or you want to turn off Google Charts

- OLAP: new option “Use sub select MDX for filters”

- SQL Report: new option “When paging, attempt count(\*) query, followed by select top N query”

- Subscriptions > Event Viewer for RP Scheduler service

> Header options

- 3 Styles: Compact style (new default), Big (old default) and Two rows

- Site Image margin

- Title margin

- Picture width and height

- Site Image - will now list all images and show a preview at the top

Report Approval can now be controlled by Admin > Settings > Approval. Following new options are now available:

- Disable Approval capability

- Notify Approvers by email

- Notify Publishers about approvals by email

- Require Approval after any report modification

Admin > Themes and Styles

- Themes are updated to look more modern.

- New classes (button, Panel and win) are added have better control.

- New section (Menu) is added to better control menus

- Admin > Themes > Edit > Reset All button

New Themes options:

- Border Radius

- Line Height

- Font shows a font preview

- Tree - allows for styling of the report tree

- Themes > Edit > Ability to reset a single theme

- Themes

\* Filters selection for modifying styles of filters of OLAP type of reports (like Tree map)

\* Ability to add important keyword to color and background color

Connection

- SQL OLEDB > Access - checkbox to select ACE

- Connections are sorted by Type with XMLA connection on top

- SQL Server Native Client 11.0

- New: MySQL ODBC 5.3 ANSI Driver

- MySql: MySQL ODBC 5.2 ANSI Driver

- Support for Vertica database type

- SQL OLEDB > Database Type = SSAS

- Ability to pass windows user name and password to SQL and OLAP connection types

Users

- Picture - used in the header and for comments

- History tab - shows edits done to the user

- Ability to disable user

- Users - New secondary Admin option

\* Admin > User and Role has first and last name next to the user name

\* Admin User, Role: XMLA Properties field that can be used for custom SSAS security using Roles and CustomData connection attributes

- Site Includes

- Login Page will provide a link for a "White Labeled" site.

- lets administrator change HTML for header Footer and Login page

Report Tree > Hide Report Tree

- This option will be always turned on for iPad

- The folder view in iPad will have folder and file context menu accessible via buttons

- The folder view will include subfolders

User Filter Value

- SQL Report: Shared filter value and Support for multiple values

- ROLAP Report: Dimension and Hierarchy.

- User and Role ROLAP filter lookup

Email template

- allows for images to be embedded in the email

- new variables: ::Yesterday, ::PreviousBusDay and ::AlertCondition

\* Admin > Email template > "HTML Editor" checkbox

- Chart Color Palette

- Ability to create a Range color Palette that can be used by Tree map and other charts

- New Color Palette

- User Filter Value - can now be filtered by Type (OLAP, SQL or ROLAP)

**Other**

IE 10 and 11 Support

R Report

- New report type based on R Language: <http://www.reportportal.com/help/index.aspx?page=R/frame.htm>

- Supports: filters, importing of files and SQL data, snapshots, scheduling, exporting of text, HTML, PDF and Excel

KPI Report

- Ability to click on a report cell to get row and column numbers

- Google Gauge will be used if Admin > Settings > "Enable Google Charts" is enabled

- Options to Expand Gauge by 125, 150, 175 and 200%

Other OLAP Reports and Dashboard

- Filter search

- Ability to collapse filters

- Filters of OLAP type of reports support control-click to switch to multi-select mode

- Ability to Pin Filter

- Ability to manually sort filters

- New Options:

-- Show empty Filter members

-- Filters depend on one another

- Options to hide Multi-select and Search

- Ability to include database name in the report description

- Top-n dialog: Delete button will reset this setting

- Support for Calculated measures: format and Locale

Google Maps (for OLAP, SQL and ROLAP reports)

- Shape Column can now use Kml file. The data has to be enclosed in Kml() like Kml(110.386517646169,-7.810876108458268,0)

- 4 display modes: Regions, Bubbles, Red Pins and Heat map

- Ability to specify Latitude Column, Longitude column and Name column.

- Google Map (These features are also implemented for SQL and ROLAP reports):

\* New “Colored Pins” display mode. The mode provides that ability to change the size, icon and color of the pin based on data or a custom value.

<http://www.reportportal.com/images/build/189/size.png>

<http://www.reportportal.com/images/build/189/color.png>

<http://www.reportportal.com/images/build/189/icon.png>

\* “Info Column” field can link each pin to an information box (text or HTML). <http://www.reportportal.com/images/build/189/InfoColumn.png>

\* “Shape column” can create shapes based on a field that has a comma delimited list of latitudes and longitudes. <http://www.reportportal.com/images/build/189/ShapeColumn.png>

\* New “Charts” display mode. Chart type field lets you select Pie chart, Line chart, Bar chart or Horizontal Bar chart. Label column field provides the name for each data slice (bar). Value column field provides the number for each data slice (bar). <http://www.reportportal.com/images/build/189/chart.png>

\* New “URL Column” field provides the ability to link a Pin to a URL action. This feature is available for Red Pins and Colored Pins Display modes.

OWC Report:

- HTTP Secure will be used when this option is on: Admin > Settings > OLAP Report > XML for Analysis Security Enabled

- OWC Snapshot to be HTML based when system is 64 bit

- Local cube download (from the server zipped with the HTML file)

- Pie Chart Tree: Slice labels are now arranged in a non-overlapping manner

- Pie Chart tree, Bar Chart tree, Tree Map, Bubble Chart, Chart Grid will now use shared (Public and Private) calculated measures

Crystal Report

- will use temp file with name based on ReportId + SessionID

- Multi-select filter support for Crystal, SQL and SQL view (template based) reports

Hyperlink

- ability to use security tokens in URL: ::UserId, ::UserName, ::NtUserId, #9702;::Email

- "Web folder" deprecated and is replaced with "File Folder" option

File

- Multi-file upload

- upload progress bar

Tree Map

– Undo /Redo toolbar buttons

- Color Palette option

URL Integration

- Ability to pass user token and report ID to the login page and see the report with the header

- Ability to hide SQL filters via &filters=0&hide1=1&&hide2=1 (post and cookie)

Header

- Alerts (including See All and Settings)

- Count next to Approve button

- Responsive: will hide title and use info as page is resized (Compact style)

Usage Logging

- Usage Log will now record report exporting

- New Log option: Admin > Settings > Log MDX/SQL

- New usage report added: "MDX/SQL Queries"

- Two new reports: Subscription Errors and Performance by Minute

- Right click report > select "Comments" > new “MDX/SQL Log” tab

- New Usage reports: Usage by Date-Hour and Usage by Week

Blog: new "Notify Subscribers" option next to Submit button

Chart Grid  - Go back and forward buttons

Bubble report > New option > Show lines (at the end of animation)

Design > Manage Reports > Ability to change folder Icon (and updated look and feel)