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Dark version of the Ocean theme

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Light version of the Ocean theme

[RevealDashboardThumbnailView](#)

A view that can be used to render the thumbnail (a preview) for a given dashboard, it can be used in a list that shows multiple dashboards, like a picker. The UpMedia.WPF sample uses this control in the OpenDashboardWindow.xaml file

[RevealDataSources](#)

Class used to represent the list of data sources and items returned by [DataSourcesRequested](#).

[RevealDataSourcesInternal](#)

[RevealSdkSettings](#)

[RevealTheme](#)

The class contains current theme settings. After applying changes RevealView.UpdateRevealTheme function must be called and changes will be taken for those dashboards rendered after this call.

[RevealUtility](#)

Utility class used to load a dashboard object or to get the list of values for a given filter.

RevealView

The main class used to render a dashboard in your application, it also allows the edition of existing dashboards or the creation from scratch.

RVAmazonWebServicesCredentials

RVAnalysisServicesDataSource

Abstract base class for Microsoft Analysis Services (MS SSAS) data sources

RVAnalysisServicesDataSourceItem

Microsoft Analysis Services (MS SSAS) item, specifies the cube to get data from.

RVAthenaDataSource

Amazon Athena data source

RVAthenaDataSourceItem

Amazon Athena data source item.

RVAzureAnalysisServicesDataSource

Microsoft Azure Analysis Services data source

RVAzureSqlDataSource

Azure SQL Server data source

RVAzureSqlDataSourceItem

Azure SQL Server data source item

RVAzureSynapseDataSource

Azure Synapse data source

RVAzureSynapseDataSourceItem

Azure Synapse data source item

RVBaseFormattingService

The base class that must be implemented and returned by IRVFormattingProvider in order to be able to alter the format of a dashboard data.

RVBaseSharePointDataSourceItem

The base abstract class for data source items from Sharepoint.

RVBearerTokenDataSourceCredential

The class used to represent Bearer (aka 'Token') authentication.

RVBigQueryDataSource

BigQuery data source

RVBigQueryDataSourceItem

BigQuery data source item

RVBoxDataSource

Box data source

RVBoxDataSourceItem

Box data source item, referencing a file in Box (box.net)

RVChartSettings

RVConditionalFormatting

The class grouping conditional formatting colors."/>

RVCsvDataSource

The data source object used to represent the CSV data source, there are no additional properties in this class as all relevant information is specified in the RVCsvDataSourceItem object.

RVCsvDataSourceItem

The data source item used to represent a dataset from a CSV file, it includes optional settings like the separator to use when parsing the data.

RVDashboard

The class representing a Dashboard model."/>

RVDashboardDataSource

The base class representing a data source used in a dashboard, you can see RVDataSourceItem for more information about the relationship between data source and data source items.

RVDashboardExtensions

RVDashboardFilter

Class used to represent a dashboard filter

RVDataCell

Class representing a cell in the visualization data, includes column name, value and formatted value.

RVDataSourceItem

The basic class for data source items that can be used by visualizations to get data. When getting data from a database for example, the data source object contains the information required to connect to the database (like server host and database name) and the data source item contains the information required to get the dataset itself (like table name or view name).

RVDateDashboardFilter

Class representing the optional date filter defined in a dashboard model.

RVDateFormattingSpec

The class representing the formatting options used for Date, Time and DateTime dashboard data.

RVDateRange

Class used to represent a date range for filtering.

RVDropboxDataSource

Dropbox data source

RVDropboxDataSourceItem

Dropbox data source item, referencing a file in Dropbox

RVDynamicsCrmDataSource

Dynamics CRM data source, specifies the URL to the server.

RVDynamicsCrmDataSourceItem

Dynamics CRM data source item

RVExcelDataSource

The data source object used to represent the Excel data source, there are no additional properties in this class as all relevant information is specified in the RVExcelDataSourceItem object.

RVExcelDataSourceItem

The data source item used to represent a dataset from an Excel file, it includes information like the name of the sheet to get data from and the range to use when loading data.

RVExcelRange

Class defining the range that should be used when loading data from an Excel sheet.

RVFieldEditorDefaultSettings

A class used to provide the desired default settings for the field editor.

RVFilterValue

Class representing a possible value for a dashboard filter, retrieved from GetFilterValues(RVDashboard, RVDashboardFilter, CancellationToken).

RVFormattingSpec

The base class representing formatting options used for dashboard data.

RVGoogleAnalyticsDataSource

Google Analytics data source

RVGoogleAnalyticsDataSourceItem

Google Analytics data source item.

RVGoogleDriveDataSource

Google Drive data source

RVGoogleDriveDataSourceItem

Google Drive data source item, referencing a file in Google Drive

RVGoogleSheetDataSource

The data source object used to represent the Google sheet data source, there are no additional properties in this class as all relevant information is specified in the RVGoogleSheetDataSourceItem object.

RVGoogleSheetDataSourceItem

The data source item used to represent a dataset from a Google Sheet file, it includes information like the name of the sheet to get data from and the range to use when loading data.

RVHeadersDataSourceCredentials

The class used to represent authentication using headers (including cookies), supported only by Web Resource and REST API data sources. When sending HTTP requests to get data for the data source, the specified headers will be included.

RVHttpAnalysisServicesDataSource

Microsoft Analysis Services (MS SSAS) HTTP connection data source

RVHubspotDataSource

HubSpot data source

RVHubspotDataSourceItem

HubSpot data source item, referencing a HubSpot entity.

RVInMemoryData

Base class that can be used as a helper class to implement IRVInMemoryData, you need to provide the data as an object implementing IEnumerable of IEnumerable objects (each object representing a cell in the data), and the list of fields in the schema. Each row returned by the 'Data' enumerable must have the same number of elements indicated in the schema, the order must be respected and values must be returned in the same order specified in the schema returned.

RVInMemoryData<T>

In-memory data implementation that returns data from the IEnumerable object passed to the constructor, this is the recommended implementation of IRVInMemoryData to use in most of the use cases, as it's the simpler to use. The schema will be automatically calculated from the T data type.

RVInMemoryDataSource

The data source object used to represent the in-memory data source, there are no additional properties in this class as all relevant information is specified in the RVInMemoryDataSourceItem object.

RVInMemoryDataSourceItem

Data source item to get in-memory data

RVJsonDataSource

The data source object used to represent the JSON data source, there are no additional properties in this class as all relevant information is specified in the RVJsonDataSourceItem object.

RVJsonDataSourceItem

The data source item used to represent a dataset from a JSON file, it includes the optional parsing configuration.

RVLocalFileDataSource

The data source object used to represent the local files data source, there are no additional properties in this class as all relevant information is specified in the RVLocalFileDataSourceItem object.

RVLocalFileDataSourceItem

The local file data source item, used to load files from local storage. See LocalDataFilesRootFolder for information about configuring the root directory for this storage.

RVMarketoDataSource

Marketo data source, configures the URL to get data from.

RVMarketoDataSourceItem

Marketo data source item, see RVMarketoDataSource for more information.

RVMySqlDataSource

MySQL data source

RVMySqlDataSourceItem

MySQL data source item

RVNativeAnalysisServicesDataSource

Microsoft Analysis Services (MS SSAS) TCP connection data source

RVNumberFormattingSpec

The class representing the formatting options used for numeric dashboard data.

RVODataDataSource

OData data source, configures the URL to get data from.

RVODataDataSourceItem

OData data source item, see RVODataDataSource for more information.

RVOneDriveDataSource

OneDrive data source

RVOneDriveDataSourceItem

OneDrive data source item, referencing a file in OneDrive.

RVOracleDataSource

Abstract base class for Oracle data sources

RVOracleDataSourceItem

Oracle data source item

RVOracleServiceDataSource

Oracle data source, it adds the Service name property to the base properties in RVOracleDataSource.

RVOracleSIDDataSource

Oracle data source, it adds the SID property to the base properties in RVOracleDataSource.

RVPostgresDataSource

PostgreSQL data source, it adds the database name property to the base properties in RVSqlBasedDataSource.

RVPostgresDataSourceItem

PostgreSQL data source item

RVQuickBooksDataSource

QuickBooks data source

RVQuickBooksDataSourceItem

QuickBooks data source item

RVRedshiftDataSource

Amazon Redshift data source, it adds the database name property to the base properties in RVSqlBasedDataSource.

RVRedshiftDataSourceItem

Amazon Redshift data source item

RVReportingServicesDataSource

Microsoft Reporting Services (MS SSRS) data source

RVReportingServicesDataSourceItem

Microsoft Reporting Services (MS SSRS) data source item

RVResourceBasedDataSourceItem

The base abstract class representing a data source item getting data from a file (a resource). This is the base class for CSV, Excel and JSON data source items. It contains the reference to the resource item providing the file, for example a CSV file from a Web Resource URL will be represented as a RVCsvDataSourceItem referencing a RVWebResourceDataSourceItem.

RVRESTDataSource

REST API data source, configures the URL to get data from, HTTP method to use and optionally headers and body to send in the request.

RVRESTDataSourceItem

REST API data source item

RVS3DataSource

Amazon S3 data source

RVS3DataSourceItem

Amazon S3 data source item.

RVSchemaColumn

The class representing a column in the in-memory result, specifies name, label and data type of the column.

RVSchemaColumnAttribute

Attribute that can be used to alter the field name and/or data type of any of the properties in a class declaration. Supported when implementing In-Memory data.

RVSharePointDataSource

Sharepoint data source, contains the URL to the Sharepoint site to use.

RVSharePointListDataSourceItem

Data source item to get data from a Sharepoint list

RVSharePointListItemDataSourceItem

Data source item to get data from a single item in a Sharepoint list.

RVSharePointPeopleDataSourceItem

Data source item to get data from people in Sharepoint

RVSharePointSiteDataSourceItem

Data source item to show information from a site (or sub site)

RVSnowflakeDataSource

Snoflake data source, it adds the database name property to the base properties in RVSqlBasedDataSource.

RVSnowflakeDataSourceItem

Snowflake data source item

RVSqlBasedDataSource

The base data source class used to represent a connection to one of the supported database systems.

RVSqlBasedDataSourceItem

The base item class used to represent a dataset from one of the supported database systems.

RVSqlPDSDataSource

RVSqlPDSDataSourceItem

RVSqlServerDataSource

Microsoft SQL Server data source, it adds the database name property to the base properties in RVSqlBasedDataSource.

RVSqlServerDataSourceItem

Microsoft SQL Server data source item

RVSyBaseDataSource

Sybase data source, it adds the database name property to the base properties in RVSqlBasedDataSource.

RVSyBaseDataSourceItem

Sybase data source item

RVUsernamePasswordDataSourceCredential

The class used to represent domain/user/password credentials, required to connect to all data bases (MS SQL, MySQL, etc) and some other data sources (REST API for example).

RVVisualization

The class representing a visualization (widget) in the dashboard model.

RVWebResourceDataSource

Web resource data source, used to download files from HTTP URL's using GET method. See RVRESTDataSource to use other HTTP methods or to customize parameters, headers and body to sent.

RVWebResourceDataSourceItem

Web resource data source item, see RVWebResourceDataSource for more information.

ScatterMapVisualizationsConfiguration

Configuration used by Scatter Map visualization, used to configure the tiles provider (one of Bing, ESRI or MapBox) and corresponding token.

ScriptingConfiguration

SdkInMemoryIterator

TooltipShowingEventArgs

The arguments object passed to TooltipShowing event with the information about the visualization selected and the data a tooltip will be displayed for.

VisualizationClickedEventArgs

The arguments object passed to VisualizationDataPointClicked event with the information about the visualization selected and the location of the click. list of data sources.

VisualizationEditorClosedEventArgs

The type of the event arguments of the VisualizationEditorClosed event.

VisualizationEditorClosingEventArgs

The type of the event arguments of the VisualizationEditorClosing event.

VisualizationEditorOpenedEventArgs

The type of the event arguments of the VisualizationEditorOpened event.

VisualizationEditorOpeningEventArgs

The type of the event arguments of the VisualizationEditorOpening event.

VisualizationLinkingDashboardEventArgs

The arguments object passed to VisualizationLinkingDashboard event with the information about the link selected (title and url) and the callback function to call with the contents of the target dashboard.

VisualizationsConfiguration

Interfaces

IRVAuthenticationProvider

The interface that must be implemented and set to AuthenticationProvider, that returns credentials to be used when getting data from a given data source.

IRVDataProvider

The interface that must be implemented and set to in order to return in-memory data for dashboards.

IRVDataSourceCredential

Base interface representing credentials to connect to a given data source

IRVDataSourceProvider

The interface that must be implemented and set to DataSourceProvider in order to replace data sources when a dashboard is opened. See 'Replacing data sources' in the developer guide for more information.

IRVFormattingProvider

The interface that must be implemented and set to FormattingProvider in order to format the different data in dashboards. See 'Formatting Service' in the developer guide for more information.

IRVInMemoryData

The interface representing in-memory data to be returned by IRVInMemoryDataProvider, please note data is returned as an IEnumerable, so there's no need to have all data loaded in memory. You would probably use the default implementation for this interface: RVInMemoryData<T>

IRVInMemoryDataProvider

IRVLocalizationProvider

The interface that must be implemented and set to LocalizationProvider in order to localize the following data in dashboards: dashboard title, dashboard filter titles, visualization titles, visualization field labels and visualization summarization field labels. See 'Localization Service' in the developer guide for more information.

IRVLocalizationService

The interface that must be implemented and returned by IRVLocalizationProvider in order to be able to localize dashboard data and modify the formatting settings for a specific fields.

IRVResourceItem

Interface representing items used to get a file (resource) from one of the resource providers (Sharepoint, Web Resource, etc.)

Enums

DataSourcesRequestedTriggerType

Data sources requested trigger type, indicates the context where the data sources are being requested. Data sources can be requested for a visualization, for a dashboard filter or for data blending.

RVChartType

RVDashboardDataType

The list of dashboard data types.

RVDashboardDateAggregationType

The list of periods of time supported for aggregation.

RVDashboardNegativeFormatType

The list of formatting options for a negative numeric data.

RVDashboardNumberFormattingType

The list of formatting options for a numeric data.

RVDateFilterType

Date filter type, you can use one of the predefined filters or the custom range type.

RVGoogleAnalyticsResourceType

Google Analytics resource type.

RVLocalizationElementType

The list of dashboard elements that are supported for localization

RVMapImageryType

RVReportingServicesRenderMode

Render mode for Reporting Services data source item, see RenderMode property.

RVSchemaColumnType

The list of data types supported by Reveal

RVSharePointAuthenticationMethod

Sharepoint authentication methods

RVSharePointItemType

Sharepoint item type

Delegates

DashboardSelectedCallback

DataSourcesRequestedCallback

Callback used to return the list of data sources to display to the user when creating a new widget.

RevealView.LinkedDashboardProviderCallback

RVDataSourceItemsFilter

VisualizationLinkingCallback

Callback used to return the contents of the target dashboard of a navigation.

Class CachingConfiguration

Inheritance

System.Object

CachingConfiguration

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class CachingConfiguration
```

Properties

CachePath

Directory where the rest of cache files (like downloaded files) will be stored, it defaults to the temporary directory in the system.

Declaration

```
public string CachePath { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

DataCachePath

Directory where files caching data will be stored./>

Declaration

```
public string DataCachePath { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class DashboardSaveEventArgs

Argument object passed to SaveDashboard event.

Inheritance

System.Object

System.EventArgs

DashboardSaveEventArgs

Inherited Members

System.EventArgs.Empty

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class DashboardSaveEventArgs : EventArgs
```

Properties

IsSaveAs

A flag indicating if this event was originated by a 'save' (false) or 'save as' (true) operation.

Declaration

```
public bool IsSaveAs { get; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Name

The name of the dashboard being saved.

Declaration

```
public string Name { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Methods

SaveFinished()

Notifies the Reveal SDK the save operation has finished and it should switch to view mode.

```
public void SaveFinished()
```

Serialize()

Serializes the current dashboard to a byte array

Declaration

```
public Task<byte[]> Serialize()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Byte[]>	a byte array with the contents of the dashboard in rdash format

SerializeAsJson()

Serializes the current dashboard to JSON string

Declaration

```
public Task<string> SerializeAsJson()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.String>	a byte array with the contents of the dashboard in rdash format

SerializeWithNewName(String)

Serializes the current dashboard in '.rdash' format to a byte array, the title of the dashboard is changed to match the specified name.

Declaration

```
public Task<byte[]> SerializeWithNewName(string newName)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	newName	The new name of the dashboard, it changes the title attribute of the dashboard object

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Byte[]>	

SerializeWithNewNameAsJson(String)

Serializes the current dashboard to JSON string, the title of the dashboard is changed to match the specified name.

Declaration

```
public Task<string> SerializeWithNewNameAsJson(string newName)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	newName	The new name of the dashboard, it changes the title attribute of the dashboard object

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.String>	

Delegate DashboardSelectedCallback

Syntax

```
public delegate void DashboardSelectedCallback(string dashboardId);
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashboardId	

Constructors

DashboardSelectedCallback(Object, IntPtr)

Declaration

```
public DashboardSelectedCallback(object object, IntPtr method)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	object	
System.IntPtr	method	

Methods

BeginInvoke(String, AsyncCallback, Object)

Declaration

```
public virtual IAsyncResult BeginInvoke(string dashboardId, AsyncCallback callback, object object)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashboardId	
System.AsyncCallback	callback	
System.Object	object	

Returns

TYPE	DESCRIPTION
System.IAsyncResult	

EndInvoke(IAsyncResult)

Declaration

```
public virtual void EndInvoke(IAsyncResult result)
```

Parameters

TYPE	NAME	DESCRIPTION
System.IAsyncResult	result	

Invoke(String)

Declaration

```
public virtual void Invoke(string dashboardId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashboardId	

Class DashboardSelectorRequestedEventArgs

The arguments object passed to DashboardSelectorRequested event with the callback function to invoke with the resulting dashboard.

Inheritance

System.Object

System.EventArgs

DashboardSelectorRequestedEventArgs

Inherited Members

System.EventArgs.Empty

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class DashboardSelectorRequestedEventArgs : EventArgs
```

Properties

Callback

Callback to invoke with the selected dashboard or `null` if no dashboard was selected.

Declaration

```
public DashboardSelectedCallback Callback { get; }
```

Property Value

TYPE	DESCRIPTION
DashboardSelectedCallback	

RelativePoint

Location relative to the RevealView instance where the dialog was requested

Declaration

```
public Point RelativePoint { get; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Point	

Delegate DataSourcesRequestedCallback

Callback used to return the list of data sources to display to the user when creating a new widget.

Namespace: **Reveal.Sdk**
Assembly: RVUI.WPF.dll

Syntax

```
public delegate void DataSourcesRequestedCallback(RevealDataSources dataSources);
```

Parameters

TYPE	NAME	DESCRIPTION
RevealDataSources	dataSources	The list of data sources and items to offer to the user when creating a new widget

Constructors

DataSourcesRequestedCallback(Object, IntPtr)

Declaration

```
public DataSourcesRequestedCallback(object object, IntPtr method)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	object	
System.IntPtr	method	

Methods

BeginInvoke(RevealDataSources, AsyncCallback, Object)

Declaration

```
public virtual IAsyncResult BeginInvoke(RevealDataSources dataSources, AsyncCallback callback, object object)
```

Parameters

TYPE	NAME	DESCRIPTION
RevealDataSources	dataSources	
System.AsyncCallback	callback	
System.Object	object	

Returns

TYPE	DESCRIPTION
System.IAsyncResult	

EndInvoke(IAsyncResult)

Declaration

`public virtual void EndInvoke(IAsyncResult result)`

Parameters

TYPE	NAME	DESCRIPTION
System.IAsyncResult	result	

Invoke(RevealDataSources)

Declaration

`public virtual void Invoke(RevealDataSources dataSources)`

Parameters

TYPE	NAME	DESCRIPTION
RevealDataSources	dataSources	

See Also

DataSourcesRequested

Class DataSourcesRequestedEventArgs

The arguments object passed to DataSourcesRequested event with the callback function to invoke with the resulting list of data sources.

Inheritance

System.Object

System.EventArgs

DataSourcesRequestedEventArgs

Inherited Members

System.EventArgs.Empty

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class DataSourcesRequestedEventArgs : EventArgs
```

Properties

Callback

Callback to invoke with the list of data sources and items to display to the user.

Declaration

```
public DataSourcesRequestedCallback Callback { get; }
```

Property Value

TYPE	DESCRIPTION
DataSourcesRequestedCallback	

Trigger

Event that originated the data sources request, one of visualization, dashboard filter or data blending.

Declaration

```
public DataSourcesRequestedTriggerType Trigger { get; }
```

Property Value

TYPE	DESCRIPTION
DataSourcesRequestedTriggerType	

Enum DataSourcesRequestedTriggerType

Data sources requested trigger type, indicates the context where the data sources are being requested. Data sources can be requested for a visualization, for a dashboard filter or for data blending.

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public enum DataSourcesRequestedTriggerType
```

Fields

NAME	DESCRIPTION
DashboardFilter	Data sources are requested for a new dashboard filter
DataBlending	Data sources are requested for data blending inside a visualization
Visualization	Data sources are requested for a new visualization

Class ImageExportedEventArgs

The arguments object passed to ImageExported event with the image.

Inheritance

System.Object

System.EventArgs

ImageExportedEventArgs

Inherited Members

System.EventArgs.Empty

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class ImageExportedEventArgs : EventArgs
```

Properties

CloseExportDialog

Set this flag to `false` if you want the export dialog to remain opened

Declaration

```
public bool CloseExportDialog { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Image

The BitmapSource with the contents of the exported image

Declaration

```
public BitmapSource Image { get; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.Imaging.BitmapSource	

Class InMemoryDataUtility

Inheritance

System.Object

InMemoryDataUtility

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public static class InMemoryDataUtility
```

Methods

GetData<T>(IEnumerable<T>)

Declaration

```
public static IEnumerable<IEnumerable<object>> GetData<T>(IEnumerable<T> data)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	data	

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<System.Collections.Generic.IEnumerable<System.Object>>	

Type Parameters

NAME	DESCRIPTION
T	

GetSchema<T>()

Declaration

```
public static IEnumerable<RVSchemaColumn> GetSchema<T>()
```

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<RVSchemaColumn>	

Type Parameters

NAME	DESCRIPTION
T	

Interface IRVAuthenticationProvider

The interface that must be implemented and set to AuthenticationProvider, that returns credentials to be used when getting data from a given data source.

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public interface IRVAuthenticationProvider
```

Methods

ResolveCredentialsAsync(RVDashboardDataSource)

Returns the credentials to use for this data source, `null` means there are no credentials associated and the data loading process will fail.

Declaration

```
Task<IRVDataSourceCredential> ResolveCredentialsAsync(RVDashboardDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVDashboardDataSource	dataSource	The data source to return credentials for

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<IRVDataSourceCredential>	The credentials to use for this data source

Interface IRVDataProvider

The interface that must be implemented and set to in order to return in-memory data for dashboards.

Namespace: Reveal.Sdk
Assembly: RVUI.WPF.dll

Syntax

```
public interface IRVDataProvider
```

Methods

GetData(RVInMemoryDataSourceItem)

Returns the in-memory data for this data source, you can use the DatasetId property to know what dataset to return.

Declaration

```
Task<IRVInMemoryData> GetData(RVInMemoryDataSourceItem dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
RVInMemoryDataSourceItem	dataSourceItem	The in-memory data source item to return the data for

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<IRVInMemoryData>	The in-memory data for the dataset associated to the specified data source item

Interface IRVDataSourceCredential

Base interface representing credentials to connect to a given data source

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public interface IRVDataSourceCredential
```

Interface IRVDataSourceProvider

The interface that must be implemented and set to DataSourceProvider in order to replace data sources when a dashboard is opened. See 'Replacing data sources' in the developer guide for more information.

Syntax

```
public interface IRVDataSourceProvider
```

Methods

ChangeDashboardFilterDataSourceItemAsync(RVDashboardFilter, RVDataSourceItem)

This method can be used to replace the data source used by a given filter, returning `null` indicates Reveal to use the original data source stored in the dashboard.

Declaration

```
Task<RVDataSourceItem> ChangeDashboardFilterDataSourceItemAsync(RVDashboardFilter filter, RVDataSourceItem
dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
RVDashboardFilter	filter	The filter where the data source is being referenced, you might use the Title attribute to decide the data source to use
RVDataSourceItem	dataSourceItem	Information about the data source being used, like the name of the table, database, etc.

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<RVDataSourceItem>	The new data source to use or `null` to use the original data source in the dashboard

ChangeVisualizationDataSourceItemAsync(RVVisualization, RVDataSourceItem)

This method can be used to replace the data source used by a given visualization, returning `null` indicates Reveal to use the original data source stored in the dashboard.

Declaration

```
Task<RVDataSourceItem> ChangeVisualizationDataSourceItemAsync(RVVisualization visualization, RVDataSourceItem
dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
RVVisualization	visualization	The visualization where the data source is being referenced, you might use the Title attribute to decide the data source to use

TYPE	NAME	DESCRIPTION
RVDataSourceItem	dataSourceItem	Information about the data source being used, like the name of the table, database, etc.

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<RVDataSourceItem>	The new data source to use or `null` to use the original data source in the dashboard

Interface IRVFormattingProvider

The interface that must be implemented and set to [FormattingProvider](#) in order to format the different data in dashboards. See 'Formatting Service' in the developer guide for more information.

Namespace: [Reveal.Sdk](#)

Assembly: RVUI.WPF.dll

Syntax

```
public interface IRVFormattingProvider
```

Methods

GetFormattingService()

Returns the formatting service that will be used to format dashboard data.

Declaration

```
RVBaseFormattingService GetFormattingService()
```

Returns

TYPE	DESCRIPTION
[RVBaseFormattingService](#)	Implementation of RVBaseFormattingService interface

Interface IRVInMemoryData

The interface representing in-memory data to be returned by IRVInMemoryDataProvider, please note data is returned as an IEnumerable, so there's no need to have all data loaded in memory. You would probably use the default implementation for this interface: RVInMemoryData<T>

Syntax

```
public interface IRVInMemoryData
```

Methods

GetData()

Returns an IEnumerable object with all rows in this dataset, please note data is returned as an IEnumerable, so there's no need to have all data loaded in memory. For each row returned from this IEnumerable, the order of values must match the order specified in the collection returned by GetSchema()

Declaration

```
IEnumerable<IEnumerable<object>> GetData()
```

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<System.Collections.Generic.IEnumerable<System.Object>>	

GetSchema()

Returns the schema for this dataset, basically the list of columns (name and data type), data returned by GetData() must be returned in the same order than the columns defined by this method. When using the default implementation for this interface (RVInMemoryData<T>), you don't need to worry about this as it's resolved automatically by that implementation.

Declaration

```
IEnumerable<RVSchemaColumn> GetSchema()
```

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<RVSchemaColumn>	

Interface IRVInMemoryDataProvider

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public interface IRVInMemoryDataProvider
```

Methods

GetDataIterator()

Declaration

```
IInMemoryDataIterator GetDataIterator()
```

Returns

TYPE	DESCRIPTION
Infragistics.ReportPlus.DataLayer.IInMemoryDataIterator	

GetTableSchema()

Declaration

```
List<TableSchemaColumn> GetTableSchema()
```

Returns

TYPE	DESCRIPTION
System.Collections.Generic.List<Infragistics.ReportPlus.DataLayer.TableSchemaColumn>	

Interface IRVLocalizationProvider

The interface that must be implemented and set to LocalizationProvider in order to localize the following data in dashboards: dashboard title, dashboard filter titles, visualization titles, visualization field labels and visualization summarization field labels. See 'Localization Service' in the developer guide for more information.

Namespace: Reveal.Sdk
Assembly: RVUI.WPF.dll

Syntax

```
public interface IRVLocalizationProvider
```

Methods

GetLocalizationService()

Returns the localization service that will be used to localize the dashboard data.

Declaration

```
IRVLocalizationService GetLocalizationService()
```

Returns

TYPE	DESCRIPTION
IRVLocalizationService	Implementation of IRVLocalizationService interface

Interface IRVLocalizationService

The interface that must be implemented and returned by IRVLocalizationProvider in order to be able to localize dashboard data and modify the formatting settings for a specific fields.

Namespace: Reveal.Sdk
Assembly: RVUI.WPF.dll

Syntax

```
public interface IRVLocalizationService
```

Methods

GetFormattingSettingsForField(String, RVDashboardDataType, RVFormattingSpec, Boolean)

Returns the formatting settings to be used for specific field and parameters.

Declaration

```
RVFormattingSpec GetFormattingSettingsForField(string fieldName, RVDashboardDataType dataType,
RVFormattingSpec currentSettings, bool isAggregated)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	fieldName	The name of the field
RVDashboardDataType	dataType	The data type of the field
RVFormattingSpec	currentSettings	The original formatting settings for the field
System.Boolean	isAggregated	The flag indicating if the passed field has aggregation

Returns

TYPE	DESCRIPTION
RVFormattingSpec	The new formatting settings

GetLocalizedString(String, RVLocalizationElementType)

Returns the localized string for a given text and element type.

Declaration

```
string GetLocalizedString(string originalValue, RVLocalizationElementType elementType)
```

Parameters

TYPE	NAME	DESCRIPTION

TYPE	NAME	DESCRIPTION
System.String	originalValue	The original text of the element
RVLocalizationElementType	elementType	The type of the element

Returns

TYPE	DESCRIPTION
System.String	The localized version of the text

Interface IRVResourceItem

Interface representing items used to get a file (resource) from one of the resource providers (Sharepoint, Web Resource, etc.)

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public interface IRVResourceItem
```

Class MapVisualizationsConfiguration

Inheritance

System.Object

MapVisualizationsConfiguration

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class MapVisualizationsConfiguration
```

Properties

ShapefilesCachePath

Directory where the shape files needed for map visualizations will be stored.

Declaration

```
public string ShapefilesCachePath { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ShapesMetadataFileUrl

The URL where the MapData.json could be retrieved from. ShapesMetadataFileUrl + "MapData.json" should be pointing to valid MapData.json.

Declaration

```
public string ShapesMetadataFileUrl { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class MountainDarkTheme

Dark version of the Mountain theme

System.Object

RevealTheme

MountainDarkTheme

RevealTheme.Clone()

RevealTheme.ChartColors

RevealTheme.ConditionalFormatting

RevealTheme.HighlightColor

RevealTheme.RegularFont

RevealTheme.MediumFont

RevealTheme.BoldFont

RevealTheme.FontColor

RevealTheme.DashboardBackgroundColor

RevealTheme.VisualizationBackgroundColor

RevealTheme.AccentColor

RevealTheme.UseRoundedCorners

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public class MountainDarkTheme : RevealTheme
```

Constructors

MountainDarkTheme()

Declaration

```
public MountainDarkTheme()
```

Class MountainLightTheme

Light version of the Mountain theme

Inheritance

System.Object

[RevealTheme](#)

MountainLightTheme

Inherited Members

[RevealTheme.Clone()](#)

[RevealTheme.ChartColors](#)

[RevealTheme.ConditionalFormatting](#)

[RevealTheme.HighlightColor](#)

[RevealTheme.RegularFont](#)

[RevealTheme.MediumFont](#)

[RevealTheme.BoldFont](#)

[RevealTheme.FontColor](#)

[RevealTheme.DashboardBackgroundColor](#)

[RevealTheme.VisualizationBackgroundColor](#)

[RevealTheme.AccentColor](#)

[RevealTheme.UseRoundedCorners](#)

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class MountainLightTheme : RevealTheme
```

Constructors

MountainLightTheme()

Declaration

```
public MountainLightTheme()
```

Class OceanDarkTheme

Dark version of the Ocean theme

System.Object

RevealTheme

OceanDarkTheme

RevealTheme.Clone()

RevealTheme.ChartColors

RevealTheme.ConditionalFormatting

RevealTheme.HighlightColor

RevealTheme.RegularFont

RevealTheme.MediumFont

RevealTheme.BoldFont

RevealTheme.FontColor

RevealTheme.DashboardBackgroundColor

RevealTheme.VisualizationBackgroundColor

RevealTheme.AccentColor

RevealTheme.UseRoundedCorners

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Syntax

```
public class OceanDarkTheme : RevealTheme
```

Constructors

OceanDarkTheme()

Declaration

```
public OceanDarkTheme()
```

Class OceanLightTheme

Light version of the Ocean theme

Inheritance

System.Object

[RevealTheme](#)

OceanLightTheme

Inherited Members

[RevealTheme.Clone()](#)

[RevealTheme.ChartColors](#)

[RevealTheme.ConditionalFormatting](#)

[RevealTheme.HighlightColor](#)

[RevealTheme.RegularFont](#)

[RevealTheme.MediumFont](#)

[RevealTheme.BoldFont](#)

[RevealTheme.FontColor](#)

[RevealTheme.DashboardBackgroundColor](#)

[RevealTheme.VisualizationBackgroundColor](#)

[RevealTheme.AccentColor](#)

[RevealTheme.UseRoundedCorners](#)

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: [Reveal.Sdk](#)

Assembly: RVUI.WPF.dll

Syntax

```
public class OceanLightTheme : RevealTheme
```

Constructors

OceanLightTheme()

Declaration

```
public OceanLightTheme()
```

Class RevealDashboardThumbnailView

A view that can be used to render the thumbnail (a preview) for a given dashboard, it can be used in a list that shows multiple dashboards, like a picker. The UpMedia.WPF sample uses this control in the OpenDashboardWindow.xaml file

Inheritance

System.Object

RevealDashboardThumbnailView

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RevealDashboardThumbnailView : Panel
```

Constructors

RevealDashboardThumbnailView()

Declaration

```
public RevealDashboardThumbnailView()
```

Fields

DashboardProperty

Declaration

```
public static readonly DependencyProperty DashboardProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

Properties

Dashboard

Declaration

```
public RVDashboard Dashboard { get; set; }
```

Property Value

TYPE	DESCRIPTION
RVDashboard	

LogicalOrientation

Declaration

```
protected override Orientation LogicalOrientation { get; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Controls.Orientation	

TYPE	DESCRIPTION

Methods

ArrangeOverride(Size)

Declaration

```
protected override Size ArrangeOverride(Size arrangeBounds)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Windows.Size	arrangeBounds	

Returns

TYPE	DESCRIPTION
System.Windows.Size	

BeginInit()

Declaration

```
public override void BeginInit()
```

MeasureOverride(Size)

Declaration

```
protected override Size MeasureOverride(Size constraint)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Windows.Size	constraint	

Returns

TYPE	DESCRIPTION
System.Windows.Size	

Class RevealDataSources

Class used to represent the list of data sources and items returned by DataSourcesRequested.

Inheritance

System.Object

RevealDataSources

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RevealDataSources
```

Constructors

RevealDataSources(List<RVDashboardDataSource>, List<RVDataSourceItem>, Boolean)

Creates a new data sources result object.

Declaration

```
public RevealDataSources(List<RVDashboardDataSource> dataSources, List<RVDataSourceItem> dataSourceItems, bool
useDataInDashboard)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.List<RVDashboardDataSource>	dataSources	The list of data sources to display, instances of subclasses of RVDashboardDataSource.
System.Collections.Generic.List<RVDataSourceItem>	dataSourceItems	The list of data source items to display, instances of subclasses of RVDataSourceItem.
System.Boolean	useDataInDashboard	Indicates if data sources already used in the dashboard should be displayed to the user creating a new widget/filter or not.

RevealDataSources(List<Object>, List<Object>, Boolean)

Backward compatible constructor

Declaration

```
[Obsolete]
public RevealDataSources(List<object> dataSources, List<object> dataSourceItems, bool useDataInDashboard)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.List<System.Object>	dataSources	
System.Collections.Generic.List<System.Object>	dataSourceItems	
System.Boolean	useDataInDashboard	

Properties

DataSourceItems

The list of data source items to display, instances of subclasses of RVDataSourceItem.

Declaration

```
public List<RVDataSourceItem> DataSourceItems { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.List<RVDataSourceItem>	

DataSources

The list of data sources to display, instances of subclasses of RVDashboardDataSource.

Declaration

```
public List<RVDashboardDataSource> DataSources { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.List<RVDashboardDataSource>	

Filter

Declaration

```
public RVDataSourceItemsFilter Filter { get; set; }
```

Property Value

TYPE	DESCRIPTION
RVDataSourceItemsFilter	

UseDataInDashboard

Indicates if data sources already used in the dashboard should be displayed to the user creating a new widget/filter or not.

Declaration

```
public bool UseDataInDashboard { get; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Class RevealDataSourcesInternal

Inheritance

System.Object

RevealDataSourcesInternal

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RevealDataSourcesInternal
```

Constructors

RevealDataSourcesInternal(List<Object>, List<Object>, DataSourceItemsFilterBlock, Boolean)

Declaration

```
public RevealDataSourcesInternal(List<object> dsList, List<object> dsItemList, DataSourceItemsFilterBlock
itemsFilter, bool dataInDashboard)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.List<System.Object>	dsList	
System.Collections.Generic.List<System.Object>	dsItemList	
Infragistics.DataSourceItemsFilterBlock	itemsFilter	
System.Boolean	dataInDashboard	

Properties

AuxDataSources

This collection contains datasources that are used by user defined dsis. So they shouldn't be displayed in the Datasource Selector/Navigator.

Declaration

```
public List<object> AuxDataSources { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.List<System.Object>	

DataSourceItems

Declaration

```
public List<object> DataSourceItems { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.List<System.Object>	

DataSources

Declaration

```
public List<object> DataSources { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.List<System.Object>	

Filter

Declaration

```
public DataSourceItemsFilterBlock Filter { get; set; }
```

Property Value

TYPE	DESCRIPTION
Infragistics.DataSourceItemsFilterBlock	

UseDataInDashboard

Declaration

```
public bool UseDataInDashboard { get; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Class RevealSdkSettings

Inheritance

System.Object

RevealSdkSettings

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public static class RevealSdkSettings
```

Properties

AuthenticationProvider

Property used to return credentials to use for data sources requiring them, like MS SQL Server and the other database providers.

Declaration

```
public static IRVAuthenticationProvider AuthenticationProvider { get; set; }
```

Property Value

TYPE	DESCRIPTION
IRVAuthenticationProvider	Property used to return credentials to use for data sources requiring them, like MS SQL Server and the other database providers.

Caching

Use this property to configure cache related settings like caching paths.

Declaration

```
public static CachingConfiguration Caching { get; }
```

Property Value

TYPE	DESCRIPTION
CachingConfiguration	

DataProvider

Property used to return in-memory data when RVInMemoryDataSourceItem is used.

Declaration

```
public static IRVDataProvider DataProvider { get; set; }
```

Property Value

TYPE	DESCRIPTION
IRVDataProvider	Property used to return in-memory data when RVInMemoryDataSourceItem is used.

DataSourceProvider

Property used to replace data sources on dashboards being opened. Useful to change some properties on database data sources (like server host, database name or table name) based on the current user or to use in-memory data sources. See the developer guide for more information.

Declaration

```
public static IRVDataSourceProvider DataSourceProvider { get; set; }
```

Property Value

TYPE	DESCRIPTION
IRVDataSourceProvider	Property used to replace data sources on dashboards being opened

EnableBetaFeatures

Declaration

```
public static bool EnableBetaFeatures { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

FormattingProvider

Property used to return formatting service that can be used to format dashboard data.

Declaration

```
public static IRVFormattingProvider FormattingProvider { get; set; }
```

Property Value

TYPE	DESCRIPTION
IRVFormattingProvider	

LocalDataFilesRootFolder

The directory that will be used as the root folder for files using the local resource provider. This provider can be used only for CSV, Excel or JSON data files by using RVLocalFileDataSourceItem objects in ChangeDashboardFilterDataSourceItemAsync(RVDashboardFilter, RVDataSourceItem) or ChangeVisualizationDataSourceItemAsync(RVVisualization, RVDataSourceItem)

Declaration

```
public static string LocalDataFilesRootFolder { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

LocalizationProvider

Property used to return localization service that can be used to localize dashboard data.

Declaration

```
public static IRVLocalizationProvider LocalizationProvider { get; set; }
```

Property Value

TYPE	DESCRIPTION
IRVLocalizationProvider	

Scripting

Use this property to configure Scripting (R and Python) visualizations.

Declaration

```
public static ScriptingConfiguration Scripting { get; }
```

Property Value

TYPE	DESCRIPTION
ScriptingConfiguration	

Theme

Use this property to get/set current theme. System.ArgumentNullException

Declaration

```
public static RevealTheme Theme { get; set; }
```

Property Value

TYPE	DESCRIPTION
RevealTheme	

Visualizations

Here you could specify any visualization specific settings.

Declaration

```
public static VisualizationsConfiguration Visualizations { get; }
```

Property Value

TYPE	DESCRIPTION
VisualizationsConfiguration	

Class RevealTheme

The class contains current theme settings. After applying changes RevealView.UpdateRevealTheme function must be called and changes will be taken for those dashboards rendered after this call.

Inheritance

System.Object

RevealTheme

MountainDarkTheme

MountainLightTheme

OceanDarkTheme

OceanLightTheme

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RevealTheme
```

Constructors

RevealTheme(RevealTheme)

Declaration

```
public RevealTheme(RevealTheme other)
```

Parameters

TYPE	NAME	DESCRIPTION
RevealTheme	other	

RevealTheme(Boolean)

Creates new instance of RevealTheme.

Declaration

```
public RevealTheme(bool isDark = false)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Boolean	isDark	Pass true if you want to get the dark theme

Properties

AccentColor

Accent color

Declaration

```
public Color AccentColor { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.Color	

BoldFont

Font family used for bold font style

Declaration

```
public FontFamily BoldFont { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.FontFamily	

ChartColors

The list of chart colors. This color palette could have any number of elements. Once the list is finished, Reveal will start auto generating shade of these colors.

Declaration

```
public List<Color> ChartColors { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.List<System.Windows.Media.Color>	

ConditionalFormatting

Conditional Formatting set of colors HI, MID, LOW and NONE values.

Declaration

```
public RVConditionalFormatting ConditionalFormatting { get; }
```

Property Value

TYPE	DESCRIPTION
[RVConditionalFormatting](#)	

DashboardBackgroundColor

Main background color

Declaration

```
public Color DashboardBackgroundColor { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.Color	

FontColor

Font color

Declaration

```
public Color FontColor { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.Color	

HighlightColor

Highlighting color that is used on specific scenarios for dashboards (forecast and outliers).

Declaration

```
public Color HighlightColor { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.Color	

MediumFont

Font family used for medium font style

Declaration

```
public FontFamily MediumFont { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.FontFamily	

RegularFont

Font family used for regular font style

Declaration

```
public FontFamily RegularFont { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.FontFamily	

UseRoundedCorners

Rounded corners in buttons, tooltips, containers, visualizations, etc. If false, squared corners will be shown

Declaration

```
public bool UseRoundedCorners { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

VisualizationBackgroundColor

Visualizations, modals, list-items... secondary background color

Declaration

```
public Color VisualizationBackgroundColor { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.Color	

Methods

Clone()

Declaration

```
public RevealTheme Clone()
```

Returns

TYPE	DESCRIPTION
[RevealTheme](#)	

Class RevealUtility

Utility class used to load a dashboard object or to get the list of values for a given filter.

Inheritance

System.Object

RevealUtility

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
[Obsolete("Please create Dashboards using the `new Dashboard(argument)` or
`Dashboard.LoadDasboardAsync(argument)` methods")]
public class RevealUtility
```

Constructors

RevealUtility()

Declaration

```
public RevealUtility()
```

Methods

GetFilterValues(RVDashboard, RVDashboardFilter, CancellationToken)

Method used to get the possible values for a given filter. For a Country filter, this will return the list of all countries, not only the selected ones. You can use this method to create your own UI to select filter values.

Declaration

```
public static Task<IEnumerable<RVFilterValue>> GetFilterValues(RVDashboard dashboard, RVDashboardFilter
filter, CancellationToken cancellationToken = default(CancellationToken))
```

Parameters

TYPE	NAME	DESCRIPTION
RVDashboard	dashboard	The dashboard object obtained with LoadDashboard(Stream) or LoadDashboardSync(Stream)
RVDashboardFilter	filter	The filter to return the values for, a member of the collection Filters, might be obtained also using GetByTitle or GetById in Filters
System.Threading.CancellationToken	cancellationToken	Optional parameter that can be used to cancel the async operation

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Collections.Generic.IEnumerable<RVFilterValue>>	The list of values for the given filter

See Also

RVFilterValue

LoadDashboard(Stream)

Loads a dashboard from the specified stream, asynchronous method that returns the loaded dashboard.

Declaration

```
public static Task<RVDashboard> LoadDashboard(Stream data)
```

Parameters

TYPE	NAME	DESCRIPTION
System.IO.Stream	data	The stream with rdash file format

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<RVDashboard>	The dashboard object

Examples

```
public partial class MainWindow : Window
{
    public MainWindow()
    {
        InitializeComponent();
        this.Loaded += MainWindow_Loaded;
    }

    private async void MainWindow_Loaded(object sender, RoutedEventArgs e)
    {
        var path = @"..\..\Sales.rdash";

        var revealView = new RevealView();
        using (var fileStream = File.OpenRead(path))
        {
            var dashboard = await RevealUtility.LoadDashboard(fileStream);
            var settings = new RevealSettings(dashboard);
            revealView.Settings = settings;
        }

        Grid grid = this.Content as Grid;
        grid.Children.Add(revealView);
    }
}
```

LoadDashboardSync(Stream)

Loads a dashboard from the specified stream, synchronous method that returns the loaded dashboard.

Declaration

```
public static RVDashboard LoadDashboardSync(Stream data)
```

Parameters

TYPE	NAME	DESCRIPTION
System.IO.Stream	data	The stream with rdash file format

Returns

TYPE	DESCRIPTION
RVDashboard	The dashboard object

Class RevealView

The main class used to render a dashboard in your application, it also allows the edition of existing dashboards or the creation from scratch.

Inheritance

System.Object
RevealView

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RevealView : Control
```

Constructors

RevealView()

Used to create a new instance of RevealView class.

Declaration

```
public RevealView()
```

Fields

AvailableChartTypesProperty

Declaration

```
public static readonly DependencyProperty AvailableChartTypesProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

CanAddCalculatedFieldsProperty

Declaration

```
public static readonly DependencyProperty CanAddCalculatedFieldsProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

CanAddDashboardFilterProperty

Declaration

```
public static readonly DependencyProperty CanAddDashboardFilterProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

CanAddDateFilterProperty

Declaration

```
public static readonly DependencyProperty CanAddDateFilterProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

CanAddPostCalculatedFieldsProperty

Declaration

```
public static readonly DependencyProperty CanAddPostCalculatedFieldsProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

CanAddVisualizationProperty

Declaration

```
public static readonly DependencyProperty CanAddVisualizationProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

CanCopyVisualizationProperty

Declaration

```
public static readonly DependencyProperty CanCopyVisualizationProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

CanDuplicateVisualizationProperty

Declaration

```
public static readonly DependencyProperty CanDuplicateVisualizationProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

CanEditProperty

Declaration

```
public static readonly DependencyProperty CanEditProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

CanSaveAsProperty

Declaration

```
public static readonly DependencyProperty CanSaveAsProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

CrosshairsEnabledProperty

Declaration

```
public static readonly DependencyProperty CrosshairsEnabledProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

DashboardProperty

Declaration

```
public static readonly DependencyProperty DashboardProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

HoverTooltipsEnabledProperty

Declaration

```
public static readonly DependencyProperty HoverTooltipsEnabledProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

MaximizedVisualizationProperty

Declaration

```
public static readonly DependencyProperty MaximizedVisualizationProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowChangeDataSourceProperty

Declaration

```
public static readonly DependencyProperty ShowChangeDataSourceProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowChangeVisualizationProperty

Declaration

```
public static readonly DependencyProperty ShowChangeVisualizationProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowDataBlendingProperty

Declaration

```
public static readonly DependencyProperty ShowDataBlendingProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowEditDataSourceProperty

Declaration

```
public static readonly DependencyProperty ShowEditDataSourceProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowExportImageProperty

Declaration

```
public static readonly DependencyProperty ShowExportImageProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowExportToExcelProperty

Declaration

```
public static readonly DependencyProperty ShowExportToExcelProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowExportToPDFProperty

Declaration

```
public static readonly DependencyProperty ShowExportToPDFProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowExportToPowerpointProperty

Declaration

```
public static readonly DependencyProperty ShowExportToPowerpointProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowFiltersProperty

Declaration

```
public static readonly DependencyProperty ShowFiltersProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowMachineLearningModelsIntegrationProperty

Declaration

```
public static readonly DependencyProperty ShowMachineLearningModelsIntegrationProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowMenuProperty

Declaration

```
public static readonly DependencyProperty ShowMenuProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowRefreshProperty

Declaration

```
public static readonly DependencyProperty ShowRefreshProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

ShowStatisticalFunctionsProperty

Declaration

```
public static readonly DependencyProperty ShowStatisticalFunctionsProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

SingleVisualizationModeProperty

Declaration

```
public static readonly DependencyProperty SingleVisualizationModeProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

StartInEditModeProperty

Declaration

```
public static readonly DependencyProperty StartInEditModeProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

StartWithNewVisualizationProperty

Declaration

```
public static readonly DependencyProperty StartWithNewVisualizationProperty
```

Field Value

TYPE	DESCRIPTION
System.Windows.DependencyProperty	

Properties

AvailableChartTypes

The list of available chart types for the end user to select from, please note this only affects the list of visualizations to pick from, if a given dashboard is using a visualization not listed here, that visualization will be used anyway. The list is initially populated with all supported visualization types, so you can just remove those types you would like to get excluded.

```
var toRemoveChartTypes = new List<RVChartType>() { RVChartType.Sparkline };
```

```
revealView.AvailableChartTypes = revealView.AvailableChartTypes.Except(toRemoveChartTypes).ToList();
```

Please note that Pivot and Image are used as the initial chart type for a new visualization (depending on the source selected) even if those types are not included in this list.

Declaration

```
public List<RVChartType> AvailableChartTypes { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.List<RVChartType>	The list of available chart types for the end user to select from, an empty or null list means all types are displayed.

CanAddCalculatedFields

A flag indicating if new (calculated) fields can be added to the list of fields.

Declaration

```
public bool CanAddCalculatedFields { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if new (calculated) fields can be added to the list of fields, it defaults to `true`.

CanAddDashboardFilter

A flag that indicates if the end user will be allowed to create dashboard filters.

Declaration

```
public bool CanAddDashboardFilter { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag that indicates if the end user will be allowed to create datasource based dashboard filters. It defaults to `true`.

CanAddDateFilter

A flag that indicates if the end user will be allowed to create date filter.

Declaration

```
public bool CanAddDateFilter { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag that indicates if the end user will be allowed to create datasource based dashboard filters. It defaults to `true`.

CanAddPostCalculatedFields

A flag indicating if the f(x) option in numeric values sections (like "Values") should be displayed or not.

Declaration

```
public bool CanAddPostCalculatedFields { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the f(x) option in numeric values sections (like "Values") should be displayed or not, it defaults to `true`.

CanAddVisualization

A flag that indicates if new visualizations can be added when the dashboard is edited.

Declaration

```
public bool CanAddVisualization { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag that indicates if new visualizations can be added when the dashboard is edited, it defaults to `true`.

CanCopyVisualization

A flag that indicates if the "Copy" option is available in the menu for a visualization.

Declaration

```
public bool CanCopyVisualization { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag that indicates if the "Copy" option is available in the menu for a visualization, it defaults to `true`.

CanDuplicateVisualization

A flag that indicates if the "Duplicate" option is available in the menu for a visualization.

Declaration

```
public bool CanDuplicateVisualization { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag that indicates if the "Duplicate" option is available in the menu for a visualization, it defaults to `true`.

CanEdit

A flag indicating if the user can switch to edit mode or not, defaults to true.

Declaration

```
public bool CanEdit { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the user can switch to edit mode or not, defaults to true.

CanSaveAs

A flag indicating if the user can 'save as' the dashboard.

Declaration

```
public bool CanSaveAs { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the user can 'save as' the dashboard, it defaults to `true`.

CrosshairsEnabled

Enables crosshairs for chart visualizations.

Declaration

```
public bool CrosshairsEnabled { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if crosshairs are displayed for charts, it defaults to `false`

Dashboard

The Dashboard to load in the RevealView

Declaration

```
public RVDashboard Dashboard { get; set; }
```

Property Value

TYPE	DESCRIPTION
[RVDashboard](#)	

HoverTooltipsEnabled

Enables hover tooltips for chart visualizations.

Declaration

```
public bool HoverTooltipsEnabled { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if tooltips are displayed on hover for chart visualizations, it defaults to `true`

LinkedDashboardProvider

Declaration

```
public RevealView.LinkedDashboardProviderCallback LinkedDashboardProvider { get; set; }
```

Property Value

TYPE	DESCRIPTION
RevealView.LinkedDashboardProviderCallback	

MaximizedVisualization

The visualization to use as the initially maximized visualization. You can get a visualization from the RVDashboard object using Visualizations or GetByTitle(IEnumerable<RVVisualization>, String)

Declaration

```
public RVVisualization MaximizedVisualization { get; set; }
```

Property Value

TYPE	DESCRIPTION
RVVisualization	The visualization to use as the initially maximized visualization.

ShowChangeDataSource

A flag that indicates if the Change data source action should be displayed or not.

Declaration

```
public bool ShowChangeDataSource { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag that indicates if the Change data source action should be displayed or not, it defaults to `true`.

ShowChangeVisualization

A flag indicating if the button to change visualization should be available or not, this button is used to switch to another visualization type (for example from Bar to Column chart) without entering edit mode.

Declaration

```
public bool ShowChangeVisualization { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the button to change visualization should be available or not, it defaults to `true`

ShowDataBlending

A flag indicating if the button to add fields from another data source should be available or not.

Declaration

```
public bool ShowDataBlending { get; set; }
```

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the button add fields from another data source (in the visualization editor) should be available or not, it defaults to `true`

ShowEditDataSource

A flag that indicates if the edit button for a datasource in the visualization editor should be displayed.

Declaration

```
public bool ShowEditDataSource { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag that indicates if the edit button for a datasource in the visualization editor should be displayed or not, it defaults to `true`.

ShowExportImage

A flag indicating if the export image action is available or not.

Declaration

```
public bool ShowExportImage { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the export image action is available or not, it defaults to `true`.

ShowExportToExcel

A flag indicating if the export to Excel action is available or not.

Declaration

```
public bool ShowExportToExcel { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the export to Excel action is available or not, it defaults to `true`.

ShowExportToPDF

A flag indicating if the export to PDF action is available or not.

Declaration

```
public bool ShowExportToPDF { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the export to PDF action is available or not, it defaults to `true`.

ShowExportToPowerpoint

A flag indicating if the export to PowerPoint action is available or not.

Declaration

```
public bool ShowExportToPowerpoint { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the export to PowerPoint action is available or not, it defaults to `true`.

ShowFilters

A flag that allows the dashboard filters panel to be hidden. This is useful if you want to limit the selected values for the filters to the initial selection. Once the RevealView object is created and rendered you can use SelectedValues to change the selection for a given filter, so you can keep the selected values synced with your application.

Declaration

```
public bool ShowFilters { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag that allows the dashboard filters panel to be hidden, it defaults to `true`.

ShowMachineLearningModelsIntegration

A flag indicating if the button to add fields from a Machine Learning model should be available or not.

Declaration

```
public bool ShowMachineLearningModelsIntegration { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the button add fields from a Machine Learning model (in the visualization editor) should be available or not, it defaults to `false`

ShowMenu

A flag that indicates if the menu (containing Refresh, Export, etc.) should be displayed or not.

Declaration

```
public bool ShowMenu { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag that indicates if the menu (containing Refresh, Export, etc.) should be displayed or not. Default value is `true`

ShowRefresh

A flag that indicates if the Refresh action should be displayed or not.

Declaration

```
public bool ShowRefresh { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag that indicates if the Refresh action should be displayed or not, it defaults to `true`.

ShowStatisticalFunctions

A flag indicating if the menu to apply statistical functions (forecasting, etc.) is available or not.

Declaration

```
public bool ShowStatisticalFunctions { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating if the menu to apply statistical functions (forecasting, etc.) is available or not, it defaults to `true`.

SingleVisualizationMode

Single visualization mode is used to show a single visualization at a time. You can control the initial visualization to maximize using the MaximizedVisualization property. If no initial visualization is configured to be maximized the first one will be maximized initially. You can use MaximizedVisualization to change the maximized one once the dashboard is visible.

Declaration

```
public bool SingleVisualizationMode { get; set; }
```

Property Value

TYPE	DESCRIPTION

TYPE	DESCRIPTION
System.Boolean	Flag indicating if single visualization mode should be used, it defaults to `false`.

StartInEditMode

A flag indicating the view should start in edit mode instead of the default view mode, defaults to false. This flag is taken into account on when the Dashboard property is changed and the dashboard rendered.

Declaration

```
public bool StartInEditMode { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating the view should start in edit mode instead of the default view mode, defaults to `false`. This flag is taken into account on when the Dashboard property is changed and the dashboard rendered.

StartWithNewVisualization

A flag indicating the new visualization dialog should be displayed automatically when this view is presented. This setting requires StartInEditMode set to `true`.

Declaration

```
public bool StartWithNewVisualization { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	A flag indicating the new visualization dialog should be displayed automatically when this view is presented, defaults to `false`.

Methods

GetCurrentTheme()

Returns currently applied theme. This method is marked as obsolete, use Theme property to get/set current theme.

Declaration

```
[Obsolete("This method is obsolete and will be removed. Use RevealSdkSettings class' Theme property
instead.")]
public static RevealTheme GetCurrentTheme()
```

Returns

TYPE	DESCRIPTION
RevealTheme	

MaximizeVisualization(RVVisualization)

Used to maximize a visualization once the Reveal View was initialized and rendered. It might be used to sync the currently displayed visualization with a feature in the containing application, like displaying 'Sales by Country' along a Sales report.

Declaration

```
public bool MaximizeVisualization(RVVisualization visualization)
```

Parameters

TYPE	NAME	DESCRIPTION
RVVisualization	visualization	The visualization to be maximized, an object obtained from the dashboard with `Visualizations[index]` or `GetVisualizationByTitle(title)`

Returns

TYPE	DESCRIPTION
System.Boolean	`true` if the given visualization was found in the dashboard and maximized properly, `false` otherwise.

See Also

[Visualizations](#)
[GetByTitle(IEnumerable<RVVisualization>, String)](#)

MinimizeVisualization()

Used to restore the currently maximized visualization to the original state, so the whole dashboard is visible.

Declaration

```
public bool MinimizeVisualization()
```

Returns

TYPE	DESCRIPTION
System.Boolean	True if there was a maximized visualization, which was minimized, false otherwise.

OnApplyTemplate()

Declaration

```
public override void OnApplyTemplate()
```

RefreshDashboardData()

Method used to programmatically refresh the dashboard data, equivalent to execute the 'Refresh' action in the dashboard menu.

Declaration

```
public void RefreshDashboardData()
```

RefreshTheme()

Makes sure the current theme specified in Theme is applied. This involve re-loading of the currently displayed dashboard so any state like pending edits, maximized visualization, filters selection changes will be reset and lost.

Declaration

```
public void RefreshTheme()
```

Serialize()

Serializes the current dashboard to a byte array

Declaration

```
public Task<byte[]> Serialize()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Byte[]>	a byte array with the contents of the dashboard in rdash format

SerializeAsJson()

Serializes the current dashboard to JSON string

Declaration

```
public Task<string> SerializeAsJson()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.String>	a JSON string with the contents of the dashboard

SerializeWithName(String)

Serializes the current dashboard in '.rdash' format to a byte array, the title of the dashboard is changed to match the specified name.

Declaration

```
public Task<byte[]> SerializeWithName(string name)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	name	The new name of the dashboard, it changes the title attribute of the dashboard object

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Byte[]>	

SerializeWithNameAsJson(String)

Serializes the current dashboard as JSON formatted string, the title of the dashboard is changed to match the specified name.

Declaration

```
public Task<string> SerializeWithNameAsJson(string name)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	name	The new name of the dashboard, it changes the title attribute of the dashboard object

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.String>	

SetVisualizationChartSettings(RVVisualization, RVChartSettings)

Updates the chart settings for a given visualization, ignored if the visualization type is not chart.

Declaration

```
public void SetVisualizationChartSettings(RVVisualization visualization, RVChartSettings chartSettings)
```

Parameters

TYPE	NAME	DESCRIPTION
RVVisualization	visualization	the visualization to update
RVChartSettings	chartSettings	the new chart settings to use

ToImage()

Returns an image of the DashboardView. If no dashboard is shown, null is returned.

Declaration

```
public BitmapSource ToImage()
```

Returns

TYPE	DESCRIPTION
System.Windows.Media.Imaging.BitmapSource	A System.Windows.Media.Imaging.BitmapSource with the image.

UpdateRevealTheme(RevealTheme)

Overrides built in Reveal Theme settings. This method will not affect views that already display dashboards. This method is marked as obsolete, use Theme property to get/set current theme. System.ArgumentNullException

Declaration

```
[Obsolete("This method is obsolete and will be removed. Use RevealSdkSettings class' Theme property
instead.")]
public static void UpdateRevealTheme(RevealTheme theme)
```

Parameters

TYPE	NAME	DESCRIPTION
RevealTheme	theme	

Events

DashboardSelectorRequested

Declaration

```
public event EventHandler<DashboardSelectorRequestedEventArgs> DashboardSelectorRequested
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<DashboardSelectorRequestedEventArgs>	

DataSourcesRequested

Event used to return the list of data sources to display to the user when creating a new visualization. If this handler is not installed Reveal will only display the list of data sources already used in the dashboard (if any).

Declaration

```
public event EventHandler<DataSourcesRequestedEventArgs> DataSourcesRequested
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<DataSourcesRequestedEventArgs>	

Examples

```
            private void RevealView_DataSourcesRequested(object sender, DataSourcesRequestedEventArgs e)
            {
                var inMemoryDSI = new RVInMemoryDataSourceItem("employees");
                inMemoryDSI.Title = "Employees";
                inMemoryDSI.Description = "Employees";

                var sqlDs = new RVSqlServerDataSource();
                sqlDs.Title = "Clients";
                sqlDs.Id = "SqlDataSource1";
                sqlDs.Host = "db.mycompany.local";
                sqlDs.Port = 1433;
                sqlDs.Database = "Invoices";

                e.Callback(new RevealDataSources(
                    new List<object>() { sqlDs },
                    new List<object>() { inMemoryDSI },
                    false));
            }
```

ImageExported

Event triggered when the dashboard was exported to an image, the argument contains the image as a System.Windows.Media.Imaging.BitmapSource./>

```
public event EventHandler<ImageExportedEventArgs> ImageExported
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<ImageExportedEventArgs>	

MaximizedVisualizationChanged

Event triggered when there was a change in the maximized visualization, a new visualization is maximized or the maximized visualization was minimized.

Declaration

```
public event EventHandler MaximizedVisualizationChanged
```

Event Type

TYPE	DESCRIPTION
System.EventHandler	

SaveDashboard

Event triggered when a save (or save as) operation is being performed, the handler is responsible for storing the dashboard and notify when the operation is complete using SaveFinished().

Declaration

```
public event EventHandler<DashboardSaveEventArgs> SaveDashboard
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<DashboardSaveEventArgs>	

TooltipShowing

Event fired when the user hovers over a visualization and a tooltip is about to show up. Cancel the event to disable to rendering of the tooltip.

Declaration

```
public event EventHandler<TooltipShowingEventArgs> TooltipShowing
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<TooltipShowingEventArgs>	

Examples

```
            private void RevealView_TooltipShowing(object sender, TooltipShowingEventArgs e)
            {
                var vizTitle = e.Visualization.Title;
                if(vizTitle == "noNeedForTooltipsHere")
                {
                    e.Cancel = true;
                }
            }
```

VisualizationDataPointClicked

Event indicating data in a visualization was clicked (might be a cell in a table or a column/bar in a chart).

Declaration

```
public event EventHandler<VisualizationClickedEventArgs> VisualizationDataPointClicked
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<VisualizationClickedEventArgs>	

Examples

```
            private void RevealView_VisualizationDataPointClicked(object sender,
VisualizationClickedEventArgs e)
            {
                var vizTitle = e.Visualization.Title;
                var column = e.Cell.ColumnName;
                var formattedValue = e.Cell.FormattedValue;
                var value = e.Cell.Value;
                foreach (var c in e.Row)
                {
                    var cValue = c.Value;
                    //TODO: use value from column c.ColumnName
                }
            }
```

VisualizationEditorClosed

Event triggered when the visualization editor was closed. VisualizationEditorClosingEventArgs if you want to cancel the editor closing action.

Declaration

```
public event EventHandler<VisualizationEditorClosedEventArgs> VisualizationEditorClosed
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<VisualizationEditorClosedEventArgs>	

VisualizationEditorClosing

Event triggered when the close button in the visualization editor is being pressed, the event can be canceled if closing the visualization is not allowed. ResetVisualization can be used to reset the visualization to the original state, when the editor was displayed.

Declaration

```
public event EventHandler<VisualizationEditorClosingEventArgs> VisualizationEditorClosing
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<VisualizationEditorClosingEventArgs>	

VisualizationEditorOpened

Event triggered when the visualization editor was opened. VisualizationEditorOpeningEventArgs if you want to cancel the editor opening action.

Declaration

```
public event EventHandler<VisualizationEditorOpenedEventArgs> VisualizationEditorOpened
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<VisualizationEditorOpenedEventArgs>	

VisualizationEditorOpening

Event triggered when the visualization editor is about to be opened, the event can be canceled if editing the visualization is not allowed.

Declaration

```
public event EventHandler<VisualizationEditorOpeningEventArgs> VisualizationEditorOpening
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<VisualizationEditorOpeningEventArgs>	

VisualizationLinkingDashboard

Event used to implement dashboard linking, this handler must return the contents of the target dashboard (in rdash format).

Declaration

```
public event EventHandler<VisualizationLinkingDashboardEventArgs> VisualizationLinkingDashboard
```

Event Type

TYPE	DESCRIPTION
System.EventHandler<VisualizationLinkingDashboardEventArgs>	

Examples

```
        private void RevealView_VisualizationLinking(object sender,
VisualizationLinkingDashboardEventArgs e)
        {
            e.Callback("Campaigns", GetDashboardStream("Campaigns"));
        }
```

Delegate RevealView.LinkedDashboardProviderCallback

Syntax

```
public delegate RVDashboard LinkedDashboardProviderCallback(string dashboardId);
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashboardId	

Returns

TYPE	DESCRIPTION
RVDashboard	

Constructors

LinkedDashboardProviderCallback(Object, IntPtr)

Declaration

```
public LinkedDashboardProviderCallback(object object, IntPtr method)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	object	
System.IntPtr	method	

Methods

BeginInvoke(String, AsyncCallback, Object)

Declaration

```
public virtual IAsyncResult BeginInvoke(string dashboardId, AsyncCallback callback, object object)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashboardId	
System.AsyncCallback	callback	
System.Object	object	

Returns

TYPE	DESCRIPTION
System.IAsyncResult	

EndInvoke(IAsyncResult)

Declaration

```
public virtual RVDashboard EndInvoke(IAsyncResult result)
```

Parameters

TYPE	NAME	DESCRIPTION
System.IAsyncResult	result	

Returns

TYPE	DESCRIPTION
RVDashboard	

Invoke(String)

Declaration

```
public virtual RVDashboard Invoke(string dashboardId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashboardId	

Returns

TYPE	DESCRIPTION
RVDashboard	

Class RVAmazonWebServicesCredentials

Inheritance

System.Object

RVAmazonWebServicesCredentials

Implements

[IRVDataSourceCredential](#)

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVAmazonWebServicesCredentials : IRVDataSourceCredential
```

Constructors

RVAmazonWebServicesCredentials(String, String)

Declaration

```
public RVAmazonWebServicesCredentials(string key, string secret)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	key	
System.String	secret	

RVAmazonWebServicesCredentials(String, String, String)

Declaration

```
public RVAmazonWebServicesCredentials(string key, string secret, string sessionToken)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	key	
System.String	secret	
System.String	sessionToken	

Properties

Key

```
public string Key { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Secret

Declaration

```
public string Secret { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

SessionToken

Declaration

```
public string SessionToken { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

IRVDataSourceCredential

Class RVAnalysisServicesDataSource

Abstract base class for Microsoft Analysis Services (MS SSAS) data sources

Inheritance

System.Object

[RVDashboardDataSource](#)

RVAnalysisServicesDataSource

[RVAzureAnalysisServicesDataSource](#)

[RVHttpAnalysisServicesDataSource](#)

[RVNativeAnalysisServicesDataSource](#)

Inherited Members

[RVDashboardDataSource.Id](#)

[RVDashboardDataSource.Title](#)

[RVDashboardDataSource.Subtitle](#)

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public abstract class RVAnalysisServicesDataSource : RVDashboardDataSource
```

Constructors

RVAnalysisServicesDataSource()

Declaration

```
protected RVAnalysisServicesDataSource()
```

Properties

Catalog

The name of the catalog (database) to use.

Declaration

```
public string Catalog { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVAnalysisServicesDataSourceItem

Microsoft Analysis Services (MS SSAS) item, specifies the cube to get data from.

Inheritance

System.Object

RVDataSourceItem

RVAnalysisServicesDataSourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVAnalysisServicesDataSourceItem : RVDataSourceItem
```

Constructors

RVAnalysisServicesDataSourceItem(RVAnalysisServicesDataSource)

Declaration

```
public RVAnalysisServicesDataSourceItem(RVAnalysisServicesDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVAnalysisServicesDataSource	dataSource	

Properties

Catalog

The name of the catalog (database) containing the cube.

Declaration

```
public string Catalog { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Cube

Name of the cube to use

Declaration

```
public string Cube { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Cube

Name of the cube to use

Declaration

```
public string Cube { get; set; }
```

Class RVAthenaDataSource

Amazon Athena data source

Syntax

```
public class RVAthenaDataSource : RVDashboardDataSource
```

Constructors

RVAthenaDataSource()

Declaration

```
public RVAthenaDataSource()
```

Properties

Database

Declaration

```
public string Database { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

DataCatalog

Athena's data catalog where the database is. If the value is null, "AwsDataCatalog" will be used.

Declaration

```
public string DataCatalog { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

OutputLocation

s3 path where the results will be stored. It is optional, but if missing and if the chosen workgroup doesn't have a valid s3 path, the queries will fail.

Declaration

```
public string OutputLocation { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Region

Region for the service. See the list of supported values in https://docs.aws.amazon.com/general/latest/gr/rande.html.

Declaration

```
public string Region { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Workgroup

Workgroup used to run queries. It is optional.

Declaration

```
public string Workgroup { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVAthenaDataSourceItem

Amazon Athena data source item.

Inheritance

System.Object

RVDataSourceItem

RVAthenaDataSourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVAthenaDataSourceItem : RVDataSourceItem
```

Constructors

RVAthenaDataSourceItem(RVAthenaDataSource)

Declaration

```
public RVAthenaDataSourceItem(RVAthenaDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVAthenaDataSource	dataSource	

Properties

Table

Table or view for this datasource item.

Declaration

```
public string Table { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVAzureAnalysisServicesDataSource

Microsoft Azure Analysis Services data source

Inheritance

System.Object

RVDashboardDataSource

RVAnalysisServicesDataSource

RVAzureAnalysisServicesDataSource

Inherited Members

RVAnalysisServicesDataSource.Catalog

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public class RVAzureAnalysisServicesDataSource : RVAnalysisServicesDataSource
```

Constructors

RVAzureAnalysisServicesDataSource()

Declaration

```
public RVAzureAnalysisServicesDataSource()
```

Properties

ServerUrl

Server URL, including the 'asazure://' prefix (scheme).

Declaration

```
public string ServerUrl { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVAzureSqlDataSource

Azure SQL Server data source

Inheritance

System.Object

RVDashboardDataSource

RVSqlBasedDataSource

RVSqlPDSDataSource

RVSqlServerDataSource

RVAzureSqlDataSource

Inherited Members

RVSqlServerDataSource.Database

RVSqlPDSDataSource.ProcessDataOnServerDefaultValue

RVSqlPDSDataSource.ProcessDataOnServerReadOnly

RVSqlBasedDataSource.Host

RVSqlBasedDataSource.Port

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVAzureSqlDataSource : RVSqlServerDataSource
```

Constructors

RVAzureSqlDataSource()

Declaration

```
public RVAzureSqlDataSource()
```

Class RVAzureSqlDataSourceItem

Azure SQL Server data source item

Inheritance

System.Object

RVDataSourceItem

RVSqlBasedDataSourceItem

RVSqlPDSDataSourceItem

RVSqlServerDataSourceItem

RVAzureSqlDataSourceItem

Inherited Members

RVSqlServerDataSourceItem.Schema

RVSqlServerDataSourceItem.Procedure

RVSqlServerDataSourceItem.ProcedureParameters

RVSqlPDSDataSourceItem.ProcessDataOnServer

RVSqlBasedDataSourceItem.Database

RVSqlBasedDataSourceItem.Table

RVSqlBasedDataSourceItem.CustomQuery

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVAzureSqlDataSourceItem : RVSqlServerDataSourceItem
```

Constructors

RVAzureSqlDataSourceItem(RVAzureSqlDataSource)

Declaration

```
public RVAzureSqlDataSourceItem(RVAzureSqlDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVAzureSqlDataSource	dataSource	

Class RVAzureSynapseDataSource

Azure Synapse data source

Inheritance

System.Object

RVDashboardDataSource

RVSqlBasedDataSource

RVSqlPDSDataSource

RVSqlServerDataSource

RVAzureSynapseDataSource

Inherited Members

RVSqlServerDataSource.Database

RVSqlPDSDataSource.ProcessDataOnServerDefaultValue

RVSqlPDSDataSource.ProcessDataOnServerReadOnly

RVSqlBasedDataSource.Host

RVSqlBasedDataSource.Port

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVAzureSynapseDataSource : RVSqlServerDataSource
```

Constructors

RVAzureSynapseDataSource()

Declaration

```
public RVAzureSynapseDataSource()
```

Class RVAzureSynapseDataSourceItem

Azure Synapse data source item

Inheritance

System.Object

RVDataSourceItem

RVSqlBasedDataSourceItem

RVSqlPDSDataSourceItem

RVSqlServerDataSourceItem

RVAzureSynapseDataSourceItem

Inherited Members

RVSqlServerDataSourceItem.Schema

RVSqlServerDataSourceItem.Procedure

RVSqlServerDataSourceItem.ProcedureParameters

RVSqlPDSDataSourceItem.ProcessDataOnServer

RVSqlBasedDataSourceItem.Database

RVSqlBasedDataSourceItem.Table

RVSqlBasedDataSourceItem.CustomQuery

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVAzureSynapseDataSourceItem : RVSqlServerDataSourceItem
```

Constructors

RVAzureSynapseDataSourceItem(RVAzureSynapseDataSource)

Declaration

```
public RVAzureSynapseDataSourceItem(RVAzureSynapseDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVAzureSynapseDataSource	dataSource	

Class RVBaseFormattingService

The base class that must be implemented and returned by IRVFormattingProvider in order to be able to alter the format of a dashboard data.

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVBaseFormattingService
```

Constructors

RVBaseFormattingService()

Declaration

```
public RVBaseFormattingService()
```

Methods

FormatAggregatedDate(DateTime, RVDashboardDataType, RVDashboardDateAggregationType, RVDateFormattingSpec)

Returns the formatted text representation for a given aggregated DateTime data.

Declaration

```
public virtual string FormatAggregatedDate(DateTime value, RVDashboardDataType type,
RVDashboardDateAggregationType aggregation, RVDateFormattingSpec formatting)
```

Parameters

TYPE	NAME	DESCRIPTION
System.DateTime	value	The DateTime data
RVDashboardDataType	type	The specific data type of the DateTime data
RVDashboardDateAggregationType	aggregation	The specific period of time

TYPE	NAME	DESCRIPTION
RVDateFormattingSpec	formatting	The formatting options set in the dashboard for this date value

Returns

TYPE	DESCRIPTION
System.String	

FormatDate(DateTime, RVDashboardDataType, RVDateFormattingSpec, Boolean)

Returns the formatted text representation for a given DateTime data with given formatting settings.

Declaration

```
public virtual string FormatDate(DateTime value, RVDashboardDataType type, RVDateFormattingSpec formatting,
bool localTimeZone)
```

Parameters

TYPE	NAME	DESCRIPTION
System.DateTime	value	The DateTime data
RVDashboardDataType	type	The specific data type of the DateTime data(Date, Time or DateTime)
RVDateFormattingSpec	formatting	The formatting options for the specified data type
System.Boolean	localTimeZone	The flag indicating whether the data is displayed in local time zone

Returns

TYPE	DESCRIPTION
System.String	

FormatFiscalQuarter(Int32, Int32)

This method would be invoked when fiscal year is configured for a date field and data is aggregated by quarter. The default implementation returns "FY [year]-Q[quarter]".

Declaration

```
public virtual string FormatFiscalQuarter(int year, int quarter)
```

Parameters

TYPE	NAME	DESCRIPTION

TYPE	NAME	DESCRIPTION
System.Int32	year	The fiscal year value
System.Int32	quarter	The fiscal quarter value, starting from 1

Returns

TYPE	DESCRIPTION
System.String	The given year and quarter formatted as fiscal year/quarter.

FormatFiscalSemester(Int32, Int32)

This method would be invoked when fiscal year is configured for a date field and data is aggregated by semester. The default implementation returns "FY [year]-H[semester]".

Declaration

```
public virtual string FormatFiscalSemester(int year, int semester)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Int32	year	The fiscal year value
System.Int32	semester	The fiscal semester value, starting from 1

Returns

TYPE	DESCRIPTION
System.String	The given year and semester formatted as fiscal year/semester.

FormatFiscalYear(Int32)

This method would be invoked when fiscal year is configured for a date field and data is aggregated by year. The default implementation returns "FY [year]".

Declaration

```
public virtual string FormatFiscalYear(int year)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Int32	year	The fiscal year value

Returns

TYPE	DESCRIPTION
System.String	The given year formatted as a fiscal year

FormatNumber(Double, RVNumberFormattingSpec, Boolean)

Returns the formatted text representation for a given numeric data with given formatting settings.

Declaration

```
public virtual string FormatNumber(double value, RVNumberFormattingSpec formatting, bool ignoreMkFormatting)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Double	value	The numeric data
RVNumberFormattingSpec	formatting	The formatting options for numeric data type
System.Boolean	ignoreMkFormatting	The flag indicating whether to ignore the Million (M) and Thousand (K) formatting

Returns

TYPE	DESCRIPTION
System.String	The text representation of the formatted numeric data

GetFieldEditorDefaultDateTimeFormats(RVDashboardDataType)

This method would be invoked when formatting options are needed to display a field editor

Declaration

```
public virtual List<string> GetFieldEditorDefaultDateTimeFormats(RVDashboardDataType type)
```

Parameters

TYPE	NAME	DESCRIPTION
RVDashboardDataType	type	The type of the field which default formats are needed for. Value could be Date, Time or DateTime.

Returns

TYPE	DESCRIPTION
System.Collections.Generic.List<System.String>	Returns a list with default date format strings to be used in the field editor date formatting options.

GetFieldEditorDefaultSettings()

This method would be invoked, when the end user creates a new visualization and the settings returned would be used as default field settings.

Declaration

```
public virtual RVFieldEditorDefaultSettings GetFieldEditorDefaultSettings()
```

Returns

TYPE	DESCRIPTION
RVFieldEditorDefaultSettings	Returns a settings object containing default settings the field editor will use.

GetFieldEditorDefaultSettings()

This method would be invoked, when the end user creates a new visualization and the settings returned would be used as default field settings.

Declaration

```
public virtual RVFieldEditorDefaultSettings GetFieldEditorDefaultSettings()
```

Class RVBaseSharePointDataSourceItem

The base abstract class for data source items from Sharepoint.

Inheritance

System.Object

RVDataSourceItem

RVBaseSharePointDataSourceItem

RVSharePointListDataSourceItem

RVSharePointListItemDataSourceItem

RVSharePointPeopleDataSourceItem

RVSharePointSiteDataSourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public abstract class RVBaseSharePointDataSourceItem : RVDataSourceItem
```

Constructors

RVBaseSharePointDataSourceItem(RVSharePointDataSource)

Declaration

```
public RVBaseSharePointDataSourceItem(RVSharePointDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVSharePointDataSource	dataSource	

Class RVBearerTokenDataSourceCredential

The class used to represent Bearer (aka 'Token') authentication.

Inheritance

System.Object

RVBearerTokenDataSourceCredential

Implements

IRVDataSourceCredential

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVBearerTokenDataSourceCredential : IRVDataSourceCredential
```

Constructors

RVBearerTokenDataSourceCredential(String, String)

Creates credentials with the specified attributes.

Declaration

```
public RVBearerTokenDataSourceCredential(string token, string userId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	token	Required. This is usually the access token resulting from an OAuth authentication process. The provided token is expected to be valid (not expired). If the caller's available token is expired or is about to expire, it is the caller's responsibility to perform a OAuth refresh request in order to get a fresh access token to use as a parameter for this constructor.
System.String	userId	Required. A string that uniquely identifies the user associated with this credentials.

Properties

Token

Declaration

```
public string Token { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

UserId

Declaration

```
public string UserId { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

[IRVDataSourceCredential](#)

Class RVBigQueryDataSource

BigQuery data source

Inheritance

System.Object

RVDashboardDataSource

RVBigQueryDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVBigQueryDataSource : RVDashboardDataSource
```

Constructors

RVBigQueryDataSource()

Declaration

```
public RVBigQueryDataSource()
```

Properties

ProjectId

BigQuery ProjectId

Declaration

```
public string ProjectId { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVBigQueryDataSourceItem

BigQuery data source item

Inheritance

System.Object

RVDataSourceItem

RVBigQueryDataSourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVBigQueryDataSourceItem : RVDataSourceItem
```

Constructors

RVBigQueryDataSourceItem(RVBigQueryDataSource)

Declaration

```
public RVBigQueryDataSourceItem(RVBigQueryDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVBigQueryDataSource	dataSource	

Properties

DatasetId

BigQuery dataset

Declaration

```
public string DatasetId { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ProjectId

BigQuery ProjectId

Declaration

```
public string ProjectId { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Table

Name of the table (or view) to get data from

Declaration

```
public string Table { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ProjectId

BigQuery ProjectId

```
public string ProjectId { get; set; }
```

Class RVBoxDataSource

Box data source

Inheritance

System.Object

RVDashboardDataSource

RVBoxDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVBoxDataSource : RVDashboardDataSource
```

Constructors

RVBoxDataSource()

Declaration

```
public RVBoxDataSource()
```

Class RVBoxDataSourceItem

Box data source item, referencing a file in Box (box.net)

Inheritance

System.Object

RVDataSourceItem

RVBoxDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**
Assembly: **RVUI.WPF.dll**

Syntax

```
public class RVBoxDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVBoxDataSourceItem()

Declaration

```
public RVBoxDataSourceItem()
```

Properties

Identifier

Identifier of the file referenced by this item

Declaration

```
public string Identifier { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

IRVResourceItem

Class RVChartSettings

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Syntax

```
public class RVChartSettings
```

Constructors

RVChartSettings()

Declaration

```
public RVChartSettings()
```

Properties

LeftAxisMaxValue

Declaration

```
public double? LeftAxisMaxValue { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Double>	

LeftAxisMinValue

Declaration

```
public double? LeftAxisMinValue { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Double>	

RightAxisMaxValue

Declaration

```
public double? RightAxisMaxValue { get; set; }
```

TYPE	DESCRIPTION
System.Nullable<System.Double>	

RightAxisMinValue

Declaration

```
public double? RightAxisMinValue { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Double>	

Enum RVChartType

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public enum RVChartType
```

Fields

NAME	DESCRIPTION
AreaChart	
BarChart	
BubbleChart	
BulletGraph	
CandlestickChart	
Choropleth	
ColumnChart	
ComboChart	
DIY	
DoughnutChart	
FunnelChart	
Grid	
Image	
Indicator	
IndicatorTarget	
LabelGauge	
LinearGauge	
LineChart	
OHLC_Chart	
PieChart	
Pivot	

NAME	DESCRIPTION
RadialGauge	
RadialLineChart	
ScatterChart	
ScatterMap	
ScriptPython	
ScriptR	
Sparkline	
SplineAreaChart	
SplineChart	
StackedAreaChart	
StackedBarChart	
StackedColumnChart	
StepAreaChart	
StepLineChart	
TextBox	
TextView	
TimeSeriesChart	
TreeMap	

Class RVConditionalFormatting

The class grouping conditional formatting colors."/>

Inheritance

System.Object

RVConditionalFormatting

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVConditionalFormatting
```

Constructors

RVConditionalFormatting()

Declaration

```
public RVConditionalFormatting()
```

Properties

HIColor

Conditional formatting color for HI values

Declaration

```
public Color HIColor { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.Color	

LOWColor

Conditional formatting color for LOW values

Declaration

```
public Color LOWColor { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.Color	

MIDColor

Conditional formatting color for MID values

Declaration

```
public Color MIDColor { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.Color	

NONEColor

Conditional formatting color when NO VALUE

Declaration

```
public Color NONEColor { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Windows.Media.Color	

Class RVCsvDataSource

The data source object used to represent the CSV data source, there are no additional properties in this class as all relevant information is specified in the RVCsvDataSourceItem object.

Inheritance

System.Object

RVDashboardDataSource

RVCsvDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVCsvDataSource : RVDashboardDataSource
```

Constructors

RVCsvDataSource()

Declaration

```
public RVCsvDataSource()
```

Class RVCsvDataSourceItem

The data source item used to represent a dataset from a CSV file, it includes optional settings like the separator to use when parsing the data.

Inheritance

System.Object

RVDataSourceItem

RVResourceBasedDataSourceItem

RVCsvDataSourceItem

Inherited Members

RVResourceBasedDataSourceItem.ResourceItem

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVCsvDataSourceItem : RVResourceBasedDataSourceItem
```

Constructors

RVCsvDataSourceItem(IRVResourceItem)

Creates a new CSV item getting data from the specified resource item.

Declaration

```
public RVCsvDataSourceItem(IRVResourceItem resourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
IRVResourceItem	resourceItem	The resource item to download the file from.

Properties

DateFormat

Optional date format to use when parsing/detecting date columns, if not specified Reveal will try to infer the date format to use for each column (if it detects the column is a date, date time or time column).

Declaration

```
public string DateFormat { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Encoding

The encoding to use, if not specified Reveal will try to detect it automatically.

Declaration

```
public string Encoding { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Separator

The separator to use, one of ',', ';', or 'TAB'. If not specified it will be detected automatically.

Declaration

```
public string Separator { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVDashboard

The class representing a Dashboard model."/>

Inheritance

System.Object

RVDashboard

Implements

System.ComponentModel.INotifyPropertyChanged

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVDashboard : INotifyPropertyChanged
```

Constructors

RVDashboard()

Declaration

```
public RVDashboard()
```

RVDashboard(Stream)

Declaration

```
public RVDashboard(Stream stream)
```

Parameters

TYPE	NAME	DESCRIPTION
System.IO.Stream	stream	

RVDashboard(String)

Declaration

```
public RVDashboard(string path)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	path	

Properties

DateFilter

The date global filter configured in this dashboard, null if no date filter is configured.

Declaration

```
public RVDateDashboardFilter DateFilter { get; set; }
```

Property Value

TYPE	DESCRIPTION
RVDateDashboardFilter	

Filters

The list of filters in the dashboard. Dashboard filters can be used to apply filters to multiple widgets at the same time.

Declaration

```
public ReadOnlyObservableCollection<RVDashboardFilter> Filters { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.ObjectModel.ReadOnlyObservableCollection<RVDashboardFilter>	

HasPendingChanges

Returns `true` if the user made changes to the dashboard that were not saved yet.

Declaration

```
public bool HasPendingChanges { get; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Title

The name or title of the dashboard

Declaration

```
public string Title { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Visualizations

The list of visualizations in the dashboard.

Declaration

```
public ReadOnlyObservableCollection<RVVisualization> Visualizations { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.ObjectModel.ReadOnlyObservableCollection<RVVisualization>	

Methods

ExportToJson()

Exports the dashboard to JSON formatted string.

Declaration

```
public string ExportToJson()
```

Returns

TYPE	DESCRIPTION
System.String	JSON formatted representation of the dashboard.

GetThumbnailImage(Double, Double)

Declaration

```
public ImageSource GetThumbnailImage(double width, double height)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Double	width	
System.Double	height	

Returns

TYPE	DESCRIPTION
System.Windows.Media.ImageSource	

LoadDashboardAsync(Stream)

Loads dashboard from a Stream.

Declaration

```
public static Task<RVDashboard> LoadDashboardAsync(Stream stream)
```

Parameters

TYPE	NAME	DESCRIPTION
System.IO.Stream	stream	The stream, from which the dashboard should be loaded.

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<[RVDashboard](#)>	The loaded dashboard.

LoadDashboardAsync(String)

Loads dashboard from a path on the disk.

Declaration

```
public static Task<RVDashboard> LoadDashboardAsync(string path)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	path	The path on the dist to the rdash file to be loaded.

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<[RVDashboard](#)>	The loaded dashboard.

LoadFromJsonAsync(String)

Loads dashboard from a JSON formatted string.

Declaration

```
public static Task<RVDashboard> LoadFromJsonAsync(string json)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	json	The JSON string, from which the dashboard should be loaded.

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<[RVDashboard](#)>	The loaded dashboard.

RaisePropertyChanged(String)

Declaration

```
protected void RaisePropertyChanged(string propertyName)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	propertyName	

Events

PropertyChanged

Declaration

```
public event PropertyChangedEventHandler PropertyChanged
```

Event Type

TYPE	DESCRIPTION
System.ComponentModel.PropertyChangedEventHandler	

Implements

System.ComponentModel.INotifyPropertyChanged

Class RVDashboardDataSource

The base class representing a data source used in a dashboard, you can see RVDataSourceItem for more information about the relationship between data source and data source items.

Inheritance

System.Object

RVDashboardDataSource

RVAnalysisServicesDataSource

RVAthenaDataSource

RVBigQueryDataSource

RVBoxDataSource

RVCsvDataSource

RVDropboxDataSource

RVDynamicsCrmDataSource

RVExcelDataSource

RVGoogleAnalyticsDataSource

RVGoogleDriveDataSource

RVHubspotDataSource

RVInMemoryDataSource

RVJsonDataSource

RVLocalFileDataSource

RVMarketoDataSource

RVODataDataSource

RVOneDriveDataSource

RVQuickBooksDataSource

RVReportingServicesDataSource

RVRESTDataSource

RVS3DataSource

RVSharePointDataSource

RVSqlBasedDataSource

RVWebResourceDataSource

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public abstract class RVDashboardDataSource
```

Constructors

RVDashboardDataSource()

Declaration

```
public RVDashboardDataSource()
```

Properties

Id

The ID of the data source.

Declaration

```
public string Id { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Subtitle

The subtitle of the data source, if not `null` will be displayed to users instead of connection information like host and database name.

Declaration

```
public string Subtitle { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Title

The title of the data source as displayed to users.

Declaration

```
public string Title { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Enum RVDashboardDataType

The list of dashboard data types.

Syntax

```
public enum RVDashboardDataType
```

Fields

NAME	DESCRIPTION
Date	Date data
DateTime	Date data including time
Number	Numeric data, including integer and floating-point values
String	Text data
Time	Time data

Enum RVDashboardDateAggregationType

The list of periods of time supported for aggregation.

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public enum RVDashboardDateAggregationType
```

Fields

NAME	DESCRIPTION
Day	Day period
Hour	Hour period
Minute	Minute period
Month	Month period
Quarter	Quarter period
Year	Year period

Class RVDashboardExtensions

Inheritance

System.Object

RVDashboardExtensions

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public static class RVDashboardExtensions
```

Methods

GetById(IEnumerable<RVDashboardFilter>, String)

Gets the filter with the given ID.

Declaration

```
public static RVDashboardFilter GetById(this IEnumerable<RVDashboardFilter> filters, string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<RVDashboardFilter>	filters	
System.String	id	The ID of the filter to search for

Returns

TYPE	DESCRIPTION
RVDashboardFilter	The filter with the given ID (case sensitive), null if there's no filter with that ID

GetById(IEnumerable<RVVisualization>, String)

Gets the visualization with the specified ID.

Declaration

```
public static RVVisualization GetById(this IEnumerable<RVVisualization> visualizations, string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<RVVisualization>	visualizations	
System.String	id	The ID of the visualization to search for

Returns

TYPE	DESCRIPTION
RVVisualization	The visualization with the given ID (case sensitive), null if there's no visualization with that ID.

GetByTitle(IEnumerable<RVDashboardFilter>, String)

Gets the first filter with the given title.

Declaration

```
public static RVDashboardFilter GetByTitle(this IEnumerable<RVDashboardFilter> filters, string title)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<RVDashboardFilter>	filters	
System.String	title	The title of the filter to search for

Returns

TYPE	DESCRIPTION
RVDashboardFilter	The first filter with the given title (case sensitive), null if there's no filter with that title.

GetByTitle(IEnumerable<RVVisualization>, String)

Gets the first visualization with the given title.

Declaration

```
public static RVVisualization GetByTitle(this IEnumerable<RVVisualization> visualizations, string title)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<RVVisualization>	visualizations	
System.String	title	The title of the visualization to search for

Returns

Type	Description
RVVisualization	The first visualization with the given title (case sensitive), null if there's no visualization with that title

Class RVDashboardFilter

Class used to represent a dashboard filter

System.Object

RVDashboardFilter

System.ComponentModel.INotifyPropertyChanged

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVDashboardFilter : INotifyPropertyChanged
```

Constructors

RVDashboardFilter(GlobalFilter)

Declaration

```
public RVDashboardFilter(GlobalFilter gf)
```

Parameters

TYPE	NAME	DESCRIPTION
Infragistics.ReportPlus.DashboardModel.GlobalFilter	gf	

Properties

Id

The ID of the filter.

Declaration

```
public string Id { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	The ID of the filter.

SelectedValues

Get/sets filter's selected values. No items in the enumeration means all available values are selected. To check what are currently

available values for the filter see GetFilterValuesAsync(CancellationToken)

Declaration

```
public IEnumerable<object> SelectedValues { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<System.Object>	

Title

The title of the filter.

Declaration

```
public string Title { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	The title of the filter.

Methods

GetFilterValuesAsync(CancellationToken)

Method used to get the possible values for a given filter. For a Country filter, this will return the list of all countries, not only the selected ones. You can use this method to create your own UI to select filter values.

Declaration

```
public Task<IEnumerable<RVFilterValue>> GetFilterValuesAsync(CancellationToken cancellationToken =
default(CancellationToken))
```

Parameters

TYPE	NAME	DESCRIPTION
System.Threading.CancellationToken	cancellationToken	Optional parameter that can be used to cancel the asynchronous operation

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Collections.Generic.IEnumerable<RVFilterValue>>	The list of values for the given filter

See Also

RVFilterValue

RaisePropertyChanged(String)

Declaration

```
protected void RaisePropertyChanged(string propertyName)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	propertyName	

Events

PropertyChanged

Declaration

```
public event PropertyChangedEventHandler PropertyChanged
```

Event Type

TYPE	DESCRIPTION
System.ComponentModel.PropertyChangedEventHandler	

Implements

System.ComponentModel.INotifyPropertyChanged

Enum RVDashboardNegativeFormatType

The list of formatting options for a negative numeric data.

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public enum RVDashboardNegativeFormatType
```

Fields

NAME	DESCRIPTION
Empty	Empty formatting
MinusSign	Formatting with a minus sign
Parenthesis	Formatting with a parenthesis

Enum RVDashboardNumberFormattingType

The list of formatting options for a numeric data.

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public enum RVDashboardNumberFormattingType
```

Fields

NAME	DESCRIPTION
Currency	Currency formatting
None	No formatting
Number	Number formatting
Percent	Percentage formatting

Class RVDataCell

Class representing a cell in the visualization data, includes column name, value and formatted value.

Inheritance

System.Object

RVDataCell

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVDataCell
```

Properties

ColumnLabel

The label of the column this cell belongs to.

Declaration

```
public string ColumnLabel { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	The label of the column this cell belongs to.

ColumnName

The name of the column this cell belongs to.

Declaration

```
public string ColumnName { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	The name of the column this cell belongs to.

FormattedValue

The formatted value of the cell.

Declaration

```
public string FormattedValue { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	The formatted value of the cell.

Value

The value of the cell.

Declaration

```
public object Value { get; }
```

Property Value

TYPE	DESCRIPTION
System.Object	The value of the cell

Class RVDataSourceItem

The basic class for data source items that can be used by visualizations to get data. When getting data from a database for example, the data source object contains the information required to connect to the database (like server host and database name) and the data source item contains the information required to get the dataset itself (like table name or view name).

Inheritance

System.Object
RVDataSourceItem
RVAnalysisServicesDataSourceItem
RVAthenaDataSourceItem
RVBaseSharePointDataSourceItem
RVBigQueryDataSourceItem
RVBoxDataSourceItem
RVDropboxDataSourceItem
RVDynamicsCrmDataSourceItem
RVGoogleAnalyticsDataSourceItem
RVGoogleDriveDataSourceItem
RVHubspotDataSourceItem
RVInMemoryDataSourceItem
RVLocalFileDataSourceItem
RVMarketoDataSourceItem
RVODataDataSourceItem
RVOneDriveDataSourceItem
RVQuickBooksDataSourceItem
RVReportingServicesDataSourceItem
RVResourceBasedDataSourceItem
RVRESTDataSourceItem
RVS3DataSourceItem
RVSqlBasedDataSourceItem
RVWebResourceDataSourceItem

Inherited Members

System.Object.ToString()
System.Object.Equals(System.Object)
System.Object.Equals(System.Object, System.Object)
System.Object.ReferenceEquals(System.Object, System.Object)
System.Object.GetHashCode()
System.Object.GetType()
System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**
Assembly: RVUI.WPF.dll

Syntax

```
public abstract class RVDataSourceItem
```

Constructors

RVDataSourceItem(RVDashboardDataSource)

Declaration

```
public RVDataSourceItem(RVDashboardDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
[RVDashboardDataSource](#)	dataSource	

Properties

DataSource

Reference to the data source object this item belongs to.

Declaration

```
public RVDashboardDataSource DataSource { get; protected set; }
```

Property Value

TYPE	DESCRIPTION
[RVDashboardDataSource](#)	

Description

Description of this data source item.

Declaration

```
public string Description { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Id

The value that identifies this item in the data source, it might be for example the name of the schema concatenated with the table name.

Declaration

```
public string Id { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Subtitle

The subtitle of the data source, if not `null` will be displayed to users instead of connection information like host and database name.

Declaration

```
public string Subtitle { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Title

The title of the item, as displayed to the user, it might be for example the name of the table in a database.

Declaration

```
public string Title { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Delegate RVDataSourceItemsFilter

Syntax

```
public delegate bool RVDataSourceItemsFilter(RVDataSourceItem dataSourceItem);
```

Parameters

TYPE	NAME	DESCRIPTION
RVDataSourceItem	dataSourceItem	

Returns

TYPE	DESCRIPTION
System.Boolean	

Constructors

RVDataSourceItemsFilter(Object, IntPtr)

Declaration

```
public RVDataSourceItemsFilter(object object, IntPtr method)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	object	
System.IntPtr	method	

Methods

BeginInvoke(RVDataSourceItem, AsyncCallback, Object)

Declaration

```
public virtual IAsyncResult BeginInvoke(RVDataSourceItem dataSourceItem, AsyncCallback callback, object
object)
```

Parameters

TYPE	NAME	DESCRIPTION
RVDataSourceItem	dataSourceItem	
System.AsyncCallback	callback	
System.Object	object	

Returns

TYPE	DESCRIPTION
System.IAsyncResult	

EndInvoke(IAsyncResult)

Declaration

```
public virtual bool EndInvoke(IAsyncResult result)
```

Parameters

TYPE	NAME	DESCRIPTION
System.IAsyncResult	result	

Returns

TYPE	DESCRIPTION
System.Boolean	

Invoke(RVDataSourceItem)

Declaration

```
public virtual bool Invoke(RVDataSourceItem dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
[RVDataSourceItem](#)	dataSourceItem	

Returns

TYPE	DESCRIPTION
System.Boolean	

Class RVDateDashboardFilter

Class representing the optional date filter defined in a dashboard model.

Inheritance

System.Object

RVDateDashboardFilter

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVDateDashboardFilter
```

Constructors

RVDateDashboardFilter(RVDateFilterType)

Creates a new date filter with the specified filter type, this constructor should not be used with CustomRange

Declaration

```
public RVDateDashboardFilter(RVDateFilterType filterType)
```

Parameters

TYPE	NAME	DESCRIPTION
RVDateFilterType	filterType	The filter type to use in the filter

RVDateDashboardFilter(RVDateFilterType, RVDateRange)

Creates a new date filter with the specified type and custom range, this is the constructor that should be used with CustomRange

Declaration

```
public RVDateDashboardFilter(RVDateFilterType filterType, RVDateRange customRange)
```

Parameters

TYPE	NAME	DESCRIPTION
RVDateFilterType	filterType	
RVDateRange	customRange	

Properties

DateFilterType

The type of date filter, like YearToDate, MonthToDate, CustomRange, etc.

Declaration

```
public RVDateFilterType DateFilterType { get; }
```

Property Value

TYPE	DESCRIPTION
[RVDateFilterType](#)	The type of date filter, like YearToDate, MonthToDate, CustomRange, etc.

Id

The ID of the filter.

Declaration

```
public string Id { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Range

The custom date range used for filtering, only valid when DateFilterType is CustomRange

Declaration

```
public RVDateRange Range { get; }
```

Property Value

TYPE	DESCRIPTION
[RVDateRange](#)	The custom date range used for filtering, only valid when DateFilterType is CustomRange

Enum RVDateFilterType

Date filter type, you can use one of the predefined filters or the custom range type.

Syntax

```
public enum RVDateFilterType
```

Fields

NAME	DESCRIPTION
AllTime	No filter defined, all time is included
CustomRange	Custom range, an instance of RVDateRange must be set in the range property.
LastMonth	Last 30 days
LastWeek	Last 7 days
LastYear	Last 365 days
MonthToDate	From the first day of the current month
NextMonth	The next month
NextQuarter	The next quarter
NextYear	The next year
PreviousMonth	The previous month
PreviousQuarter	The previous quarter
PreviousYear	The previous year
QuarterToDate	From the first day of the current quarter

NAME	DESCRIPTION
ThisMonth	This month, including the rest of it
ThisQuarter	This quarter, including the rest of it
ThisYear	This year, including the rest of it. From Jan 1st to Dec 31st of the current year
Today	Today
TrailingTwelveMonths	The last 12 complete months
YearToDate	From Jan 1st this year to today
Yesterday	Yesterday

Class RVDateFormattingSpec

The class representing the formatting options used for Date, Time and DateTime dashboard data.

Syntax

```
public class RVDateFormattingSpec : RVFormattingSpec
```

Constructors

RVDateFormattingSpec()

Initializes a new instance of the RVDateFormattingSpec class.

Declaration

```
public RVDateFormattingSpec()
```

RVDateFormattingSpec(RVDateFormattingSpec)

Initializes a new instance of the RVDateFormattingSpec class from other instance.

Declaration

```
public RVDateFormattingSpec(RVDateFormattingSpec other)
```

Parameters

TYPE	NAME	DESCRIPTION
RVDateFormattingSpec	other	The instance of type RVDateFormattingSpec to be copied.

Properties

DateFormat

The format that will be used for DateTime data.

Declaration

```
public string DateFormat { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVDateRange

Class used to represent a date range for filtering.

Inheritance

System.Object

RVDateRange

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVDateRange
```

Constructors

RVDateRange()

Creates a new date range with null values for From and To properties

Declaration

```
public RVDateRange()
```

RVDateRange(Nullable<DateTime>, Nullable<DateTime>)

Creates a new date range with the specified values for From and To properties

Declaration

```
public RVDateRange(DateTime? fromDate, DateTime? toDate)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Nullable<System.DateTime>	fromDate	The beginning of the range
System.Nullable<System.DateTime>	toDate	The end of the range

Properties

From

The beginning of the range.

Declaration

```
public DateTime? From { get; }
```

TYPE	DESCRIPTION
System.Nullable<System.DateTime>	The beginning of the range.

To

The end of the range

Declaration

```
public DateTime? To { get; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.DateTime>	The end of the range

Class RVDropboxDataSource

Dropbox data source

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVDropboxDataSource : RVDashboardDataSource
```

Constructors

RVDropboxDataSource()

Declaration

```
public RVDropboxDataSource()
```

Class RVDropboxDataSourceItem

Dropbox data source item, referencing a file in Dropbox

Inheritance

System.Object

RVDataSourceItem

RVDropboxDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVDropboxDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVDropboxDataSourceItem()

Declaration

```
public RVDropboxDataSourceItem()
```

Properties

Path

Path to the file in Dropbox account

Declaration

```
public string Path { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

IRVResourceItem

Class RVDynamicsCrmDataSource

Dynamics CRM data source, specifies the URL to the server.

Inheritance

System.Object

RVDashboardDataSource

RVDynamicsCrmDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVDynamicsCrmDataSource : RVDashboardDataSource
```

Constructors

RVDynamicsCrmDataSource()

Declaration

```
public RVDynamicsCrmDataSource()
```

Properties

Url

Dynamics CRM base URL

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVDynamicsCrmDataSourceItem

Dynamics CRM data source item

Inheritance

System.Object

[RVDataSourceItem](#)

RVDynamicsCrmDataSourceItem

Inherited Members

[RVDataSourceItem.Title](#)

[RVDataSourceItem.Subtitle](#)

[RVDataSourceItem.Id](#)

[RVDataSourceItem.Description](#)

[RVDataSourceItem.DataSource](#)

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVDynamicsCrmDataSourceItem : RVDataSourceItem
```

Constructors

RVDynamicsCrmDataSourceItem(RVDynamicsCrmDataSource)

Declaration

```
public RVDynamicsCrmDataSourceItem(RVDynamicsCrmDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
[RVDynamicsCrmDataSource](#)	dataSource	

Properties

CustomQuery

Custom query to use when getting data from Dynamics CRM

Declaration

```
public string CustomQuery { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Entity

Name of the entity to use

Declaration

```
public string Entity { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Organization

Name of the organization to use

Declaration

```
public string Organization { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVExcelDataSource

The data source object used to represent the Excel data source, there are no additional properties in this class as all relevant information is specified in the RVExcelDataSourceItem object.

Inheritance

System.Object

RVDashboardDataSource

RVExcelDataSource

RVGoogleSheetDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVExcelDataSource : RVDashboardDataSource
```

Constructors

RVExcelDataSource()

Declaration

```
public RVExcelDataSource()
```

Class RVExcelDataSourceItem

The data source item used to represent a dataset from an Excel file, it includes information like the name of the sheet to get data from and the range to use when loading data.

Syntax

```
public class RVExcelDataSourceItem : RVResourceBasedDataSourceItem
```

Constructors

RVExcelDataSourceItem(IRVResourceItem)

Declaration

```
public RVExcelDataSourceItem(IRVResourceItem resourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
IRVResourceItem	resourceItem	

Properties

FirstRowContainsLabels

Flag indicating if the first row contains labels or data, it defaults to `true`. If you set this flag to `false` the columns will be automatically named as 'COL1', 'COL2', etc.

Declaration

```
public bool FirstRowContainsLabels { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

NamedRange

Named range to get data from, it's optional and if no specified the sheet specified in Sheet will be used.

Declaration

```
public string NamedRange { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

PivotTable

Name of the pivot table to get data from.

Declaration

```
public string PivotTable { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Range

Definition of the range to load data from in the specified sheet.

Declaration

```
public RVExcelRange Range { get; set; }
```

Property Value

TYPE	DESCRIPTION
RVExcelRange	

Sheet

Name of the sheet in the worksheet to get the data from, if not specified and NamedRange is `null`, then the first sheet in the file will be used.

Declaration

```
public string Sheet { get; set; }
```

Property Value

TYPE	DESCRIPTION

Type	Description
System.String	

Class RVExcelRange

Class defining the range that should be used when loading data from an Excel sheet.

Inheritance

System.Object

RVExcelRange

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVExcelRange
```

Constructors

RVExcelRange(Int32, Int32, Int32, Int32)

Declaration

```
public RVExcelRange(int locX, int locY, int lenX, int lenY)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Int32	locX	
System.Int32	locY	
System.Int32	lenX	
System.Int32	lenY	

Properties

LengthX

Declaration

```
public int LengthX { get; }
```

Property Value

TYPE	DESCRIPTION
System.Int32	

LengthY

Declaration

```
public int LengthY { get; }
```

Property Value

TYPE	DESCRIPTION
System.Int32	

LocationX

Declaration

```
public int LocationX { get; }
```

Property Value

TYPE	DESCRIPTION
System.Int32	

LocationY

Declaration

```
public int LocationY { get; }
```

Property Value

TYPE	DESCRIPTION
System.Int32	

Class RVFieldEditorDefaultSettings

A class used to provide the desired default settings for the field editor.

Inheritance

System.Object

RVFieldEditorDefaultSettings

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVFieldEditorDefaultSettings
```

Constructors

RVFieldEditorDefaultSettings()

Declaration

```
public RVFieldEditorDefaultSettings()
```

Properties

DefaultCurrencySymbol

Specifies the default currency symbol used for currency fields.

Declaration

```
public string DefaultCurrencySymbol { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

DefaultDateFormat

Specifies the default format will be used for Date type of fields.

Declaration

```
public string DefaultDateFormat { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

DefaultDateTimeFormat

Specifies the default format will be used for DateTime type of fields.

Declaration

```
public string DefaultDateTimeFormat { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

DefaultDecimalPlaces

Specifies the number of decimal places that should be used by default.

Declaration

```
public int DefaultDecimalPlaces { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Int32	

DefaultLargeNumbersFormat

Specifies whether large number format will be used by default when the end user is creating new visualizations.

Declaration

```
public bool DefaultLargeNumbersFormat { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

DefaultTimeFormat

Specifies the default format will be used for Time type of fields.

Declaration

```
public string DefaultTimeFormat { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ThousandsSeparator

Specifies whether a 1000 separator will be used by default.

Declaration

```
public bool ThousandsSeparator { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

```
public bool ThousandsSeparator { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Class RVFilterValue

Class representing a possible value for a dashboard filter, retrieved from GetFilterValues(RVDashboard, RVDashboardFilter, CancellationToken).

Inheritance

System.Object

RVFilterValue

Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVFilterValue
```

Properties

Label

Declaration

```
public string Label { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Value

The internal value associated to this filter value. This is the value that must be added to the list of selected values when using Reveal.Sdk.RevealView.SetFilterSelectedValues(Reveal.Sdk.RVDashboardFilter,System.Collections.Generic.List{System.Object})

Declaration

```
public object Value { get; }
```

Property Value

TYPE	DESCRIPTION
System.Object	

Methods

ToString()

Declaration

```
public override string ToString()
```

Returns

TYPE	DESCRIPTION
System.String	

Overrides

System.Object.ToString()

Class RVFormattingSpec

The base class representing formatting options used for dashboard data.

Inheritance

System.Object

RVFormattingSpec

RVDateFormattingSpec

RVNumberFormattingSpec

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public abstract class RVFormattingSpec
```

Constructors

RVFormattingSpec()

Declaration

```
protected RVFormattingSpec()
```

RVFormattingSpec(RVFormattingSpec)

Declaration

```
protected RVFormattingSpec(RVFormattingSpec other)
```

Parameters

TYPE	NAME	DESCRIPTION
RVFormattingSpec	other	

Class RVGoogleAnalyticsDataSource

Google Analytics data source

Inheritance

System.Object

RVDashboardDataSource

RVGoogleAnalyticsDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVGoogleAnalyticsDataSource : RVDashboardDataSource
```

Constructors

RVGoogleAnalyticsDataSource()

Declaration

```
public RVGoogleAnalyticsDataSource()
```

Class RVGoogleAnalyticsDataSourceItem

Google Analytics data source item.

Syntax

```
public class RVGoogleAnalyticsDataSourceItem : RVDataSourceItem
```

Constructors

RVGoogleAnalyticsDataSourceItem()

Declaration

```
public RVGoogleAnalyticsDataSourceItem()
```

Properties

Dimensions

Names of the dimensions to request, comma separated.

Declaration

```
public string Dimensions { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

EndDate

End date to use when requesting data.

Declaration

```
public DateTime? EndDate { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.DateTime>	

Filters

Optional filters string as specified by Google Analytics, this value is sent as-is in the "filters" parameter.

Declaration

```
public string Filters { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Identifiers

Profile identifiers to get data from

Declaration

```
public string Identifiers { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Metrics

Names of the metrics to request, comma separated.

Declaration

```
public string Metrics { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Resource

The type of resource, one of "Profiles" (the list of profiles in the account) or "Report" (to get analytics data).

Declaration

```
public RVGoogleAnalyticsResourceType Resource { get; set; }
```

Property Value

TYPE	DESCRIPTION
[RVGoogleAnalyticsResourceType](#)	

Segment

Optional segment name

Declaration

```
public string Segment { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

StartDate

Start date to use when requesting data.

Declaration

```
public DateTime? StartDate { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.DateTime>	

Enum RVGoogleAnalyticsResourceType

Google Analytics resource type.

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public enum RVGoogleAnalyticsResourceType
```

Fields

NAME	DESCRIPTION
Profiles	Type used to get the list of profiles in the account, usually used in a dashboard filter.
Report	Type used to get analytics data.

Class RVGoogleDriveDataSource

Google Drive data source

Inheritance

System.Object

RVDashboardDataSource

RVGoogleDriveDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVGoogleDriveDataSource : RVDashboardDataSource
```

Constructors

RVGoogleDriveDataSource()

Declaration

```
public RVGoogleDriveDataSource()
```

Class RVGoogleDriveDataSourceItem

Google Drive data source item, referencing a file in Google Drive

Inheritance

System.Object

RVDataSourceItem

RVGoogleDriveDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVGoogleDriveDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVGoogleDriveDataSourceItem()

Declaration

```
public RVGoogleDriveDataSourceItem()
```

Properties

Identifier

Identifier of the file referenced by this item

Declaration

```
public string Identifier { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

IRVResourceItem

Class RVGoogleSheetDataSource

The data source object used to represent the Google sheet data source, there are no additional properties in this class as all relevant information is specified in the RVGoogleSheetDataSourceItem object.

Inheritance

System.Object

RVDashboardDataSource

RVExcelDataSource

RVGoogleSheetDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVGoogleSheetDataSource : RVExcelDataSource
```

Constructors

RVGoogleSheetDataSource()

Declaration

```
public RVGoogleSheetDataSource()
```

Class RVGoogleSheetDataSourceItem

The data source item used to represent a dataset from a Google Sheet file, it includes information like the name of the sheet to get data from and the range to use when loading data.

Inheritance

System.Object

RVDataSourceItem

RVResourceBasedDataSourceItem

RVExcelDataSourceItem

RVGoogleSheetDataSourceItem

Inherited Members

RVExcelDataSourceItem.Sheet

RVExcelDataSourceItem.Range

RVExcelDataSourceItem.NamedRange

RVExcelDataSourceItem.PivotTable

RVExcelDataSourceItem.FirstRowContainsLabels

RVResourceBasedDataSourceItem.ResourceItem

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVGoogleSheetDataSourceItem : RVExcelDataSourceItem
```

Constructors

RVGoogleSheetDataSourceItem(IRVResourceItem)

Declaration

```
public RVGoogleSheetDataSourceItem(IRVResourceItem resourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
IRVResourceItem	resourceItem	

Class RVHeadersDataSourceCredentials

The class used to represent authentication using headers (including cookies), supported only by Web Resource and REST API data sources. When sending HTTP requests to get data for the data source, the specified headers will be included.

Inheritance

System.Object

RVHeadersDataSourceCredentials

Implements

[IRVDataSourceCredential](#)

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public class RVHeadersDataSourceCredentials : IRVDataSourceCredential
```

Constructors

RVHeadersDataSourceCredentials()

Creates an empty headers credentials object, you can use [AddHeader(String, String)](#) to add headers.

Declaration

```
public RVHeadersDataSourceCredentials()
```

RVHeadersDataSourceCredentials(Dictionary<String, String>)

Constructor used to indicate the headers that should be included in data requests.

Declaration

```
public RVHeadersDataSourceCredentials(Dictionary<string, string> headers)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.Dictionary<System.String, System.String>	headers	A map with the headers to send, supports only single-valued headers.

RVHeadersDataSourceCredentials(String, String)

Helper constructor to create a headers credentials with a single header, you can add additional headers with [AddHeader(String, String)](#).

Declaration

```
public RVHeadersDataSourceCredentials(string singleHeaderName, string singleHeaderValue)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	singleHeaderName	Header name, it will be ignored if null
System.String	singleHeaderValue	Header value, it will be ignored if null

Properties

Headers

Declaration

```
public Dictionary<string, string> Headers { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.Dictionary<System.String, System.String>	

Methods

AddHeader(String, String)

Adds a new header to this credentials object.

Declaration

```
public void AddHeader(string name, string value)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	name	Header name, it will be ignored if null
System.String	value	Header value, it will be ignored if null

Implements

IRVDataSourceCredential

Class RVHttpAnalysisServicesDataSource

Microsoft Analysis Services (MS SSAS) HTTP connection data source

Inheritance

System.Object

RVDashboardDataSource

RVAnalysisServicesDataSource

RVHttpAnalysisServicesDataSource

Inherited Members

RVAnalysisServicesDataSource.Catalog

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVHttpAnalysisServicesDataSource : RVAnalysisServicesDataSource
```

Constructors

RVHttpAnalysisServicesDataSource()

Declaration

```
public RVHttpAnalysisServicesDataSource()
```

Properties

Url

URL to the MSMDPUMP endpoint, for example: http://server/olap/msmdpump.dll

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVHubspotDataSource

HubSpot data source

Inheritance

System.Object

RVDashboardDataSource

RVHubspotDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVHubspotDataSource : RVDashboardDataSource
```

Constructors

RVHubspotDataSource()

Declaration

```
public RVHubspotDataSource()
```

Class RVHubspotDataSourceItem

HubSpot data source item, referencing a HubSpot entity.

Inheritance

System.Object

RVDataSourceItem

RVHubspotDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public class RVHubspotDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVHubspotDataSourceItem()

Declaration

```
public RVHubspotDataSourceItem()
```

Properties

EndDate

End date to use when requesting data.

Declaration

```
public DateTime? EndDate { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.DateTime>	

Entity

Entity to retrieve data from

Declaration

```
public string Entity { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

StartDate

Start date to use when requesting data.

Declaration

```
public DateTime? StartDate { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.DateTime>	

Implements

IRVResourceItem

Class RVInMemoryData

Base class that can be used as a helper class to implement IRVInMemoryData, you need to provide the data as an object implementing IEnumerable of IEnumerable objects (each object representing a cell in the data), and the list of fields in the schema. Each row returned by the 'Data' enumerable must have the same number of elements indicated in the schema, the order must be respected and values must be returned in the same order specified in the schema returned.

Inheritance

System.Object

RVInMemoryData

RVInMemoryData<T>

Implements

IRVInMemoryData

IRVInMemoryDataProvider

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public abstract class RVInMemoryData : IRVInMemoryData, IRVInMemoryDataProvider
```

Constructors

RVInMemoryData()

Declaration

```
protected RVInMemoryData()
```

Methods

GetData()

Override this method to return the data enumerable, each object in this enumerable is also another enumerable with all objects in the row

Declaration

```
public abstract IEnumerable<IEnumerable<object>> GetData()
```

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<System.Collections.Generic.IEnumerable<System.Object>>	The enumerable object that will return all in-memory data

GetSchema()

Returns the schema for this in-memory data, basically the list of columns with a name and type each.

Declaration

```
public abstract IEnumerable<RVSchemaColumn> GetSchema()
```

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<RVSchemaColumn>	

Explicit Interface Implementations

IRVInMemoryDataProvider.GetDataIterator()

Declaration

```
IInMemoryDataIterator IRVInMemoryDataProvider.GetDataIterator()
```

Returns

TYPE	DESCRIPTION
Infragistics.ReportPlus.DataLayer.IInMemoryDataIterator	

IRVInMemoryDataProvider.GetTableSchema()

Declaration

```
List<TableSchemaColumn> IRVInMemoryDataProvider.GetTableSchema()
```

Returns

TYPE	DESCRIPTION
System.Collections.Generic.List<Infragistics.ReportPlus.DataLayer.TableSchemaColumn>	

Implements

IRVInMemoryData
IRVInMemoryDataProvider

Class RVInMemoryData<T>

In-memory data implementation that returns data from the IEnumerable object passed to the constructor, this is the recommended implementation of IRVInMemoryData to use in most of the use cases, as it's the simpler to use. The schema will be automatically calculated from the T data type.

Inheritance

System.Object

RVInMemoryData

RVInMemoryData<T>

Implements

IRVInMemoryData

IRVInMemoryDataProvider

Inherited Members

RVInMemoryData.IRVInMemoryDataProvider.GetDataIterator()

RVInMemoryData.IRVInMemoryDataProvider.GetTableSchema()

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVInMemoryData<T> : RVInMemoryData, IRVInMemoryData, IRVInMemoryDataProvider
```

Type Parameters

NAME	DESCRIPTION
T	The type that will be used for rows in this in-memory data, the schema will be automatically populated using the public properties in this type

Constructors

RVInMemoryData(IEnumerable<T>)

Constructor that receives the IEnumerable object with the data for this in-memory data table.

Declaration

```
public RVInMemoryData(IEnumerable<T> data)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	data	The IEnumerable object that will return rows for this data table

Methods

GetData()

Declaration

```
public override IEnumerable<IEnumerable<object>> GetData()
```

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<System.Collections.Generic.IEnumerable<System.Object>>	

Overrides

[RVInMemoryData.GetData()](#)

GetSchema()

Declaration

```
public override IEnumerable<RVSchemaColumn> GetSchema()
```

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<[RVSchemaColumn](#)>	

Overrides

[RVInMemoryData.GetSchema()](#)

Implements

[IRVInMemoryData](#)
[IRVInMemoryDataProvider](#)

Class RVInMemoryDataSource

The data source object used to represent the in-memory data source, there are no additional properties in this class as all relevant information is specified in the RVInMemoryDataSourceItem object.

Syntax

```
public class RVInMemoryDataSource : RVDashboardDataSource
```

Constructors

RVInMemoryDataSource()

Declaration

```
public RVInMemoryDataSource()
```

Class RVInMemoryDataSourceItem

Data source item to get in-memory data

Inheritance

System.Object

RVDataSourceItem

RVInMemoryDataSourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVInMemoryDataSourceItem : RVDataSourceItem
```

Constructors

RVInMemoryDataSourceItem(String)

Used to create a new in-memory item with the specified dataset id

Declaration

```
public RVInMemoryDataSourceItem(string datasetId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	datasetId	The id of the dataset identifying the data to return

Properties

DatasetId

String identifying this in-memory dataset, it might be used to decide what data to return.

Declaration

```
public string DatasetId { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVJsonDataSource

The data source object used to represent the JSON data source, there are no additional properties in this class as all relevant information is specified in the RVJsonDataSourceItem object.

Inheritance

System.Object

RVDashboardDataSource

RVJsonDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVJsonDataSource : RVDashboardDataSource
```

Constructors

RVJsonDataSource()

Declaration

```
public RVJsonDataSource()
```

Class RVJsonDataSourceItem

The data source item used to represent a dataset from a JSON file, it includes the optional parsing configuration.

Inheritance

System.Object

RVDataSourceItem

RVResourceBasedDataSourceItem

RVJsonDataSourceItem

Inherited Members

RVResourceBasedDataSourceItem.ResourceItem

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVJsonDataSourceItem : RVResourceBasedDataSourceItem
```

Constructors

RVJsonDataSourceItem(IRVResourceItem)

Creates a new JSON item getting data from the specified resource item.

Declaration

```
public RVJsonDataSourceItem(IRVResourceItem resourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
IRVResourceItem	resourceItem	The resource item to download the file from.

Properties

Config

The configuration of the JSON parser.

Declaration

```
public string Config { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVLocalFileDataSource

The data source object used to represent the local files data source, there are no additional properties in this class as all relevant information is specified in the RVLocalFileDataSourceItem object.

Inheritance

System.Object

RVDashboardDataSource

RVLocalFileDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVLocalFileDataSource : RVDashboardDataSource
```

Constructors

RVLocalFileDataSource()

Declaration

```
public RVLocalFileDataSource()
```

Class RVLocalFileDataSourceItem

The local file data source item, used to load files from local storage. See LocalDataFilesRootFolder for information about configuring the root directory for this storage.

Inheritance

System.Object

RVDataSourceItem

RVLocalFileDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVLocalFileDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVLocalFileDataSourceItem()

Declaration

```
public RVLocalFileDataSourceItem()
```

Properties

Uri

The URI referencing the file, like local://Directory/File.csv.

Declaration

```
public string Uri { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

IRVResourceItem

Enum RVLocalizationElementType

The list of dashboard elements that are supported for localization

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public enum RVLocalizationElementType
```

Fields

NAME	DESCRIPTION
DashboardFilterTitle	Title of a dashboard filter
DashboardTitle	Title of a dashboard
FieldLabel	Label of a field
SummarizationFieldLabel	Label of a summarization field
VisualizationTitle	Title of a visualization

Enum RVMapImageryType

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public enum RVMapImageryType
```

Fields

NAME	DESCRIPTION
Bing	
Esri	
MapBox	
OpenStreetMap	

Class RVMarketoDataSource

Marketo data source, configures the URL to get data from.

Inheritance

System.Object

RVDashboardDataSource

RVMarketoDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVMarketoDataSource : RVDashboardDataSource
```

Constructors

RVMarketoDataSource()

Declaration

```
public RVMarketoDataSource()
```

Properties

Url

URL to the login endpoint

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVMarketoDataSourceItem

Marketo data source item, see RVMarketoDataSource for more information.

Inheritance

System.Object

RVDataSourceItem

RVMarketoDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVMarketoDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVMarketoDataSourceItem(RVMarketoDataSource)

Declaration

```
public RVMarketoDataSourceItem(RVMarketoDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVMarketoDataSource	dataSource	

Properties

EndDate

End date to use when requesting data.

Declaration

```
public DateTime? EndDate { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.DateTime>	

Entity

Entity to retrieve data from

Declaration

```
public string Entity { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

StartDate

Start date to use when requesting data.

Declaration

```
public DateTime? StartDate { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.DateTime>	

Url

URL to the Marketo endpoint, must match the URL specified in the RVMarketoDataSource data source object.

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	URL to the Marketo endpoint

Implements

IRVResourceItem

Class RVMySqlDataSource

MySQL data source

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVMySqlDataSource : RVSqlPDSDataSource
```

Constructors

RVMySqlDataSource()

Declaration

```
public RVMySqlDataSource()
```

Properties

Database

Name of the database to connect to.

Declaration

```
public string Database { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVMySqlDataSourceItem

MySQL data source item

Inheritance

System.Object

RVDataSourceItem

RVSqlBasedDataSourceItem

RVSqlPDSDataSourceItem

RVMySqlDataSourceItem

Inherited Members

RVSqlPDSDataSourceItem.ProcessDataOnServer

RVSqlBasedDataSourceItem.Database

RVSqlBasedDataSourceItem.Table

RVSqlBasedDataSourceItem.CustomQuery

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVMySqlDataSourceItem : RVSqlPDSDataSourceItem
```

Constructors

RVMySqlDataSourceItem(RVMySqlDataSource)

Declaration

```
public RVMySqlDataSourceItem(RVMySqlDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVMySqlDataSource	dataSource	

Class RVNativeAnalysisServicesDataSource

Microsoft Analysis Services (MS SSAS) TCP connection data source

Inheritance

System.Object

RVDashboardDataSource

RVAnalysisServicesDataSource

RVNativeAnalysisServicesDataSource

Inherited Members

RVAnalysisServicesDataSource.Catalog

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVNativeAnalysisServicesDataSource : RVAnalysisServicesDataSource
```

Constructors

RVNativeAnalysisServicesDataSource()

Declaration

```
public RVNativeAnalysisServicesDataSource()
```

Properties

Host

Hostname or IP address of the server

Declaration

```
public string Host { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Port

TCP port where the server is accepting connections, 2383 is the default port for SSAS.

Declaration

```
public int Port { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Int32	

Property Value

TYPE	DESCRIPTION
System.Int32	

Class RVNumberFormattingSpec

The class representing the formatting options used for numeric dashboard data.

System.Object

RVFormattingSpec

RVNumberFormattingSpec

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public class RVNumberFormattingSpec : RVFormattingSpec
```

Constructors

RVNumberFormattingSpec()

Initializes a new instance of the RVNumberFormattingSpec class.

Declaration

```
public RVNumberFormattingSpec()
```

RVNumberFormattingSpec(RVNumberFormattingSpec)

Initializes a new instance of the RVNumberFormattingSpec class from other instance.

Declaration

```
public RVNumberFormattingSpec(RVNumberFormattingSpec other)
```

Parameters

TYPE	NAME	DESCRIPTION
RVNumberFormattingSpec	other	The instance of type RVNumberFormattingSpec to be copied.

Properties

ApplyMkFormat

The flag indicating whether to apply Million (M) and Thousand (K) formatting, it defaults to `false`

Declaration

```
public bool ApplyMkFormat { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

CurrencySymbol

The symbol to be used for currencies

Declaration

```
public string CurrencySymbol { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

DecimalDigits

The number of decimal digits

Declaration

```
public int DecimalDigits { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Int32	

FormatType

The number formatting type

Declaration

```
public RVDashboardNumberFormattingType FormatType { get; set; }
```

Property Value

TYPE	DESCRIPTION
RVDashboardNumberFormattingType	

NegativeFormat

The negative number formatting type

Declaration

```
public RVDashboardNegativeFormatType NegativeFormat { get; set; }
```

Property Value

TYPE	DESCRIPTION
RVDashboardNegativeFormatType	

ShowGroupingSeparator

The flag indicating whether the grouping separator should be shown, it defaults to `false`

Declaration

```
public bool ShowGroupingSeparator { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

ShowGroupingSeparator

The flag indicating whether the grouping separator should be shown, it defaults to `false`

```
public bool ShowGroupingSeparator { get; set; }
```

Class RVODataDataSource

OData data source, configures the URL to get data from.

Inheritance

System.Object

RVDashboardDataSource

RVODataDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVODataDataSource : RVDashboardDataSource
```

Constructors

RVODataDataSource()

Declaration

```
public RVODataDataSource()
```

Properties

Url

URL to the OData endpoint, is expected to be a URL with HTTP or HTTPS scheme.

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

UseAnonymousAuthentication

Boolean flag indicating if anonymous authentication should be used for this data source or credentials must be requested to the containing application.

Declaration

```
public bool UseAnonymousAuthentication { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Property Value

TYPE	DESCRIPTION
System.Boolean	

Class RVODataDataSourceItem

OData data source item, see RVODataDataSource for more information.

Inheritance

System.Object

RVDataSourceItem

RVODataDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVODataDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVODataDataSourceItem(RVODataDataSource)

Declaration

```
public RVODataDataSourceItem(RVODataDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVODataDataSource	dataSource	

Properties

Url

URL to the OData endpoint, must match the URL specified in the RVODataDataSource data source object.

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	URL to the OData endpoint

Implements

IRVResourceItem

TYPE	DESCRIPTION
System.String	URL to the OData endpoint

Class RVOneDriveDataSource

OneDrive data source

Inheritance

System.Object

RVDashboardDataSource

RVOneDriveDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVOneDriveDataSource : RVDashboardDataSource
```

Constructors

RVOneDriveDataSource()

Declaration

```
public RVOneDriveDataSource()
```

Class RVOneDriveDataSourceItem

OneDrive data source item, referencing a file in OneDrive.

Inheritance

System.Object

RVDataSourceItem

RVOneDriveDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVOneDriveDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVOneDriveDataSourceItem()

Declaration

```
public RVOneDriveDataSourceItem()
```

RVOneDriveDataSourceItem(RVOneDriveDataSource)

Declaration

```
public RVOneDriveDataSourceItem(RVOneDriveDataSource ds)
```

Parameters

TYPE	NAME	DESCRIPTION
RVOneDriveDataSource	ds	

Properties

Identifier

Identifier of the file in OneDrive.

Declaration

```
public string Identifier { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

[IRVResourceItem](#)

Class RVOracleDataSource

Abstract base class for Oracle data sources

Inheritance

System.Object

[RVDashboardDataSource](#)

[RVSqlBasedDataSource](#)

RVOracleDataSource

[RVOracleServiceDataSource](#)

[RVOracleSIDDataSource](#)

Inherited Members

[RVSqlBasedDataSource.Host](#)

[RVSqlBasedDataSource.Port](#)

[RVDashboardDataSource.Id](#)

[RVDashboardDataSource.Title](#)

[RVDashboardDataSource.Subtitle](#)

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public abstract class RVOracleDataSource : RVSqlBasedDataSource
```

Constructors

RVOracleDataSource()

Declaration

```
protected RVOracleDataSource()
```

Properties

Database

Name of the database to connect to.

Declaration

```
public string Database { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVOracleDataSourceItem

Oracle data source item

System.Object

RVDataSourceItem

RVSqlBasedDataSourceItem

RVOracleDataSourceItem

Inherited Members

RVSqlBasedDataSourceItem.Database

RVSqlBasedDataSourceItem.Table

RVSqlBasedDataSourceItem.CustomQuery

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVOracleDataSourceItem : RVSqlBasedDataSourceItem
```

Constructors

RVOracleDataSourceItem(RVOracleDataSource)

Declaration

```
public RVOracleDataSourceItem(RVOracleDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVOracleDataSource	dataSource	

Class RVOracleServiceDataSource

Oracle data source, it adds the Service name property to the base properties in RVOracleDataSource.

Inheritance

System.Object

RVDashboardDataSource

RVSqlBasedDataSource

RVOracleDataSource

RVOracleServiceDataSource

Inherited Members

RVOracleDataSource.Database

RVSqlBasedDataSource.Host

RVSqlBasedDataSource.Port

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVOracleServiceDataSource : RVOracleDataSource
```

Constructors

RVOracleServiceDataSource()

Declaration

```
public RVOracleServiceDataSource()
```

Properties

Service

Service name to use when connecting to Oracle server.

Declaration

```
public string Service { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVOracleSIDDataSource

Oracle data source, it adds the SID property to the base properties in [RVOracleDataSource](#).

Inheritance

System.Object

[RVDashboardDataSource](#)

[RVSqlBasedDataSource](#)

[RVOracleDataSource](#)

RVOracleSIDDataSource

Inherited Members

[RVOracleDataSource.Database](#)

[RVSqlBasedDataSource.Host](#)

[RVSqlBasedDataSource.Port](#)

[RVDashboardDataSource.Id](#)

[RVDashboardDataSource.Title](#)

[RVDashboardDataSource.Subtitle](#)

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVOracleSIDDataSource : RVOracleDataSource
```

Constructors

RVOracleSIDDataSource()

Declaration

```
public RVOracleSIDDataSource()
```

Properties

SID

SID to use when connecting to Oracle server.

Declaration

```
public string SID { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVPostgresDataSource

PostgreSQL data source, it adds the database name property to the base properties in RVSqlBasedDataSource.

System.Object

RVDashboardDataSource

RVSqlBasedDataSource

RVSqlPDSDataSource

RVPostgresDataSource

Inherited Members

RVSqlPDSDataSource.ProcessDataOnServerDefaultValue

RVSqlPDSDataSource.ProcessDataOnServerReadOnly

RVSqlBasedDataSource.Host

RVSqlBasedDataSource.Port

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVPostgresDataSource : RVSqlPDSDataSource
```

Constructors

RVPostgresDataSource()

Declaration

```
public RVPostgresDataSource()
```

Properties

Database

Name of the datase to connect to.

Declaration

```
public string Database { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Schema

Name of the schema to use.

```
public string Schema { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Name of the schema to use.

Declaration

```
public string Schema { get; set; }
```

Property Value

TYPE	DESCRIPTION

Class RVPostgresDataSourceItem

PostgreSQL data source item

Inheritance

System.Object

RVDataSourceItem

RVSqlBasedDataSourceItem

RVSqlPDSDataSourceItem

RVPostgresDataSourceItem

Inherited Members

RVSqlPDSDataSourceItem.ProcessDataOnServer

RVSqlBasedDataSourceItem.Database

RVSqlBasedDataSourceItem.Table

RVSqlBasedDataSourceItem.CustomQuery

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVPostgresDataSourceItem : RVSqlPDSDataSourceItem
```

Constructors

RVPostgresDataSourceItem(RVPostgresDataSource)

Declaration

```
public RVPostgresDataSourceItem(RVPostgresDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVPostgresDataSource	dataSource	

Properties

FunctionName

(Optional) name of the function to get data from, the function is expected to return a result set and might have multiple parameters.

Declaration

```
public string FunctionName { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

FunctionParameters

Parameters to be passed to the function, if there is such specified in FunctionName.

Declaration

```
public Dictionary<string, object> FunctionParameters { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.Dictionary<System.String, System.Object>	

Schema

Name of the schema the referenced table belongs to

Declaration

```
public string Schema { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVQuickBooksDataSource

QuickBooks data source

Inheritance

System.Object

RVDashboardDataSource

RVQuickBooksDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVQuickBooksDataSource : RVDashboardDataSource
```

Constructors

RVQuickBooksDataSource()

Declaration

```
public RVQuickBooksDataSource()
```

Properties

RealmId

Realm Id, the unique ID identifying a specific QuickBooks company.

Declaration

```
public string RealmId { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVQuickBooksDataSourceItem

QuickBooks data source item

System.Object

RVDataSourceItem

RVQuickBooksDataSourceItem

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVQuickBooksDataSourceItem : RVDataSourceItem
```

Constructors

RVQuickBooksDataSourceItem(RVQuickBooksDataSource)

Declaration

```
public RVQuickBooksDataSourceItem(RVQuickBooksDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVQuickBooksDataSource	dataSource	

Properties

Entity

QuickBooks Entity

Declaration

```
public string Entity { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVRedshiftDataSource

Amazon Redshift data source, it adds the database name property to the base properties in [RVSqlBasedDataSource](#).

Inheritance

System.Object

[RVDashboardDataSource](#)

[RVSqlBasedDataSource](#)

RVRedshiftDataSource

Inherited Members

[RVSqlBasedDataSource.Host](#)

[RVSqlBasedDataSource.Port](#)

[RVDashboardDataSource.Id](#)

[RVDashboardDataSource.Title](#)

[RVDashboardDataSource.Subtitle](#)

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVRedshiftDataSource : RVSqlBasedDataSource
```

Constructors

RVRedshiftDataSource()

Declaration

```
public RVRedshiftDataSource()
```

Properties

Database

Name of the database to connect to.

Declaration

```
public string Database { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Schema

Name of the schema to use.

Declaration

```csharp
public string Schema { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVRedshiftDataSourceItem

Amazon Redshift data source item

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVRedshiftDataSourceItem : RVSqlBasedDataSourceItem
```

Constructors

RVRedshiftDataSourceItem(RVRedshiftDataSource)

Declaration

```
public RVRedshiftDataSourceItem(RVRedshiftDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVRedshiftDataSource	dataSource	

Properties

FunctionName

(Optional) name of the function to get data from, the function is expected to return a result set and might have multiple parameters.

Declaration

```
public string FunctionName { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

FunctionParameters

Parameters to be passed to the function, if there is such specified in FunctionName.

Declaration

```
public Dictionary<string, object> FunctionParameters { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.Dictionary<System.String, System.Object>	

Schema

Name of the schema the referenced table belongs to

Declaration

```
public string Schema { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVReportingServicesDataSource

Microsoft Reporting Services (MS SSRS) data source

System.Object

RVDashboardDataSource

RVReportingServicesDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVReportingServicesDataSource : RVDashboardDataSource
```

Constructors

RVReportingServicesDataSource()

Declaration

```
public RVReportingServicesDataSource()
```

Properties

Path

Path in the server, used only when SSRS is running integrated into Sharepoint

Declaration

```
public string Path { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ServerMode

Declaration

```
public string ServerMode { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ServerVersion

Declaration

```
public string ServerVersion { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Url

URL to the server

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVReportingServicesDataSourceItem

Microsoft Reporting Services (MS SSRS) data source item

Syntax

```
public class RVReportingServicesDataSourceItem : RVDataSourceItem
```

Constructors

RVReportingServicesDataSourceItem(RVReportingServicesDataSource)

Declaration

```
public RVReportingServicesDataSourceItem(RVReportingServicesDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
[RVReportingServicesDataSource](#)	dataSource	

Properties

Dynamic

Declaration

```
public string Dynamic { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Path

Path to the report

Path to the report

Declaration

```
public string Path { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

RenderMode

Render mode, might be data or report. Data means Reveal will request the report to be exported to CSV and will use that data as regular input data. Report means the report will be exported to PDF and rendered that way.

Declaration

```
public RVReportingServicesRenderMode RenderMode { get; set; }
```

Property Value

TYPE	DESCRIPTION
RVReportingServicesRenderMode	

Enum RVReportingServicesRenderMode

Render mode for Reporting Services data source item, see RenderMode property.

Syntax

```
public enum RVReportingServicesRenderMode
```

Fields

NAME	DESCRIPTION
Data	Data mode, it means the report will be exported to CSV and that data will be used as regular input data.
Report	Report mode, it means the report will be exported to PDF and rendered that way

Class RVResourceBasedDataSourceItem

The base abstract class representing a data source item getting data from a file (a resource). This is the base class for CSV, Excel and JSON data source items. It contains the reference to the resource item providing the file, for example a CSV file from a Web Resource URL will be represented as a RVCsvDataSourceItem referencing a RVWebResourceDataSourceItem.

Inheritance

System.Object

RVDataSourceItem

RVResourceBasedDataSourceItem

RVCsvDataSourceItem

RVExcelDataSourceItem

RVJsonDataSourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**
Assembly: RVUI.WPF.dll

Syntax

```
public abstract class RVResourceBasedDataSourceItem : RVDataSourceItem
```

Constructors

RVResourceBasedDataSourceItem(RVDashboardDataSource, IRVResourceItem)

Declaration

```
public RVResourceBasedDataSourceItem(RVDashboardDataSource dataSource, IRVResourceItem resourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
RVDashboardDataSource	dataSource	
IRVResourceItem	resourceItem	

Properties

ResourceItem

The resource item used to get the data for the referenced file, must be an item from one of the resource providers: Sharepoint, Web Resource, REST API, etc.

Declaration

```
public IRVResourceItem ResourceItem { get; set; }
```

Property Value

TYPE	DESCRIPTION
IRVResourceItem	

```
public IRVResourceItem ResourceItem { get; set; }
```

Property Value

TYPE	DESCRIPTION
IRVResourceItem	

Class RVRESTDataSource

REST API data source, configures the URL to get data from, HTTP method to use and optionally headers and body to send in the request.

System.Object

RVDashboardDataSource

RVRESTDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVRESTDataSource : RVDashboardDataSource
```

Constructors

RVRESTDataSource()

Declaration

```
public RVRESTDataSource()
```

Properties

Body

Body to send, expected to be used only with POST and PUT methods.

Declaration

```
public string Body { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ContentType

Content type of the body, only used when Body is not empty

Declaration

```
public string ContentType { get; set; }
```

TYPE	DESCRIPTION
System.String	

Headers

List of headers to send in the request, each string in this list is expected to be a string in the format name=value.

Declaration

```
public List<string> Headers { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.List<System.String>	

Method

HTTP method to use, it defaults to GET

Declaration

```
public string Method { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Url

URL to the web resource, is expected to be a URL with HTTP or HTTPS scheme. Parameters might be specified using the notation {parameterName}, for example: http://server/customers/{CustomerID} defines a "CustomerID" parameter that must be included in the Parameters property of RVRESTDataSourceItem.

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

UseAnonymousAuthentication

Boolean flag indicating if anonymous authentication should be used for this data source or credentials must be requested to the containing application.

Declaration

```
public bool UseAnonymousAuthentication { get; set; }
```

Property Value

TYPE	**DESCRIPTION**
System.Boolean	

Class RVRESTDataSourceItem

REST API data source item

Inheritance

System.Object

RVDataSourceItem

RVRESTDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVRESTDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVRESTDataSourceItem(RVRESTDataSource)

Declaration

```
public RVRESTDataSourceItem(RVRESTDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVRESTDataSource	dataSource	

Properties

Parameters

Values for the parameters specified in the data source Url property.

Declaration

```
public Dictionary<string, object> Parameters { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.Dictionary<System.String, System.Object>	

Url

URL to the REST endpoint, must match the URL specified in the RVRESTDataSource data source object.

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	URL to the REST endpoint

Implements

IRVResourceItem

Class RVS3DataSource

Amazon S3 data source

System.Object

RVDashboardDataSource

RVS3DataSource

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVS3DataSource : RVDashboardDataSource
```

Constructors

RVS3DataSource()

Declaration

```
public RVS3DataSource()
```

Properties

Region

Region for the service. See the list of supported values in https://docs.aws.amazon.com/general/latest/gr/rande.html.

Declaration

```
public string Region { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVS3DataSourceItem

Amazon S3 data source item.

Inheritance

System.Object

RVDataSourceItem

RVS3DataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVS3DataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVS3DataSourceItem(RVS3DataSource)

Declaration

```
public RVS3DataSourceItem(RVS3DataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVS3DataSource	dataSource	

Properties

Path

S3 path for the file represented by this item. For example: 's3://my-bucket/path/to/file.csv'

Declaration

```
public string Path { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

IRVResourceItem

Class RVSchemaColumn

The class representing a column in the in-memory result, specifies name, label and data type of the column.

Inheritance

System.Object

RVSchemaColumn

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVSchemaColumn
```

Constructors

RVSchemaColumn(String, String, RVSchemaColumnType)

Creates a new schema column with the given name, label and data type

Declaration

```
public RVSchemaColumn(string name, string label, RVSchemaColumnType type)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	name	The name of the column
System.String	label	The label of the column as will be displayed in Reveal. If missing - the name of the column will be displayed
RVSchemaColumnType	type	The data type of the column

Properties

Label

The label of the column

Declaration

```
public string Label { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Name

The name of the column

Declaration

```
public string Name { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Type

The data type of the column

Declaration

```
public RVSchemaColumnType Type { get; set; }
```

Property Value

TYPE	DESCRIPTION
[RVSchemaColumnType](#)	

Class RVSchemaColumnAttribute

Attribute that can be used to alter the field name and/or data type of any of the properties in a class declaration. Supported when implementing In-Memory data.

Inheritance

System.Object
System.Attribute
RVSchemaColumnAttribute

Implements

System.Runtime.InteropServices._Attribute

Inherited Members

System.Attribute.GetCustomAttributes(System.Reflection.MemberInfo, System.Type)
System.Attribute.GetCustomAttributes(System.Reflection.MemberInfo, System.Type, System.Boolean)
System.Attribute.GetCustomAttributes(System.Reflection.MemberInfo)
System.Attribute.GetCustomAttributes(System.Reflection.MemberInfo, System.Boolean)
System.Attribute.IsDefined(System.Reflection.MemberInfo, System.Type)
System.Attribute.IsDefined(System.Reflection.MemberInfo, System.Type, System.Boolean)
System.Attribute.GetCustomAttribute(System.Reflection.MemberInfo, System.Type)
System.Attribute.GetCustomAttribute(System.Reflection.MemberInfo, System.Type, System.Boolean)
System.Attribute.GetCustomAttributes(System.Reflection.ParameterInfo)
System.Attribute.GetCustomAttributes(System.Reflection.ParameterInfo, System.Type)
System.Attribute.GetCustomAttributes(System.Reflection.ParameterInfo, System.Type, System.Boolean)
System.Attribute.GetCustomAttributes(System.Reflection.ParameterInfo, System.Boolean)
System.Attribute.IsDefined(System.Reflection.ParameterInfo, System.Type)
System.Attribute.IsDefined(System.Reflection.ParameterInfo, System.Type, System.Boolean)
System.Attribute.GetCustomAttribute(System.Reflection.ParameterInfo, System.Type)
System.Attribute.GetCustomAttribute(System.Reflection.ParameterInfo, System.Type, System.Boolean)
System.Attribute.GetCustomAttributes(System.Reflection.Module, System.Type)
System.Attribute.GetCustomAttributes(System.Reflection.Module)
System.Attribute.GetCustomAttributes(System.Reflection.Module, System.Boolean)
System.Attribute.GetCustomAttributes(System.Reflection.Module, System.Type, System.Boolean)
System.Attribute.IsDefined(System.Reflection.Module, System.Type)
System.Attribute.IsDefined(System.Reflection.Module, System.Type, System.Boolean)
System.Attribute.GetCustomAttribute(System.Reflection.Module, System.Type)
System.Attribute.GetCustomAttribute(System.Reflection.Module, System.Type, System.Boolean)
System.Attribute.GetCustomAttributes(System.Reflection.Assembly, System.Type)
System.Attribute.GetCustomAttributes(System.Reflection.Assembly, System.Type, System.Boolean)
System.Attribute.GetCustomAttributes(System.Reflection.Assembly)
System.Attribute.GetCustomAttributes(System.Reflection.Assembly, System.Boolean)
System.Attribute.IsDefined(System.Reflection.Assembly, System.Type)
System.Attribute.IsDefined(System.Reflection.Assembly, System.Type, System.Boolean)
System.Attribute.GetCustomAttribute(System.Reflection.Assembly, System.Type)
System.Attribute.GetCustomAttribute(System.Reflection.Assembly, System.Type, System.Boolean)
System.Attribute.Equals(System.Object)
System.Attribute.GetHashCode()
System.Attribute.Match(System.Object)
System.Attribute.IsDefaultAttribute()
System.Attribute.System.Runtime.InteropServices._Attribute.GetTypeInfoCount(System.UInt32)
System.Attribute.System.Runtime.InteropServices._Attribute.GetTypeInfo(System.UInt32, System.UInt32, System.IntPtr)
System.Attribute.System.Runtime.InteropServices._Attribute.GetIDsOfNames(System.Guid, System.IntPtr, System.UInt32,

System.UInt32, System.IntPtr)

System.Attribute.System.Runtime.InteropServices._Attribute.Invoke(System.UInt32, System.Guid, System.UInt32, System.Int16, System.IntPtr, System.IntPtr, System.IntPtr, System.IntPtr)

System.Attribute.TypeId

System.Object.ToString()

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
[AttributeUsage(AttributeTargets.Property)]
public class RVSchemaColumnAttribute : Attribute, _Attribute
```

Constructors

RVSchemaColumnAttribute(String)

Constructor that receives the desired field name

Declaration

```
public RVSchemaColumnAttribute(string name)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	name	The string containing the desired field name

RVSchemaColumnAttribute(String, RVSchemaColumnType)

Constructor that receives the desired field name and data type

Declaration

```
public RVSchemaColumnAttribute(string name, RVSchemaColumnType type)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	name	The string containing the desired field name
RVSchemaColumnType	type	The RVSchemaColumnType object containing the desired data type

Properties

Name

Declaration

```
public string Name { get; }
```

TYPE	DESCRIPTION
System.String	

Type

Declaration

```
public RVSchemaColumnType? Type { get; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<RVSchemaColumnType>	

Implements

System.Runtime.InteropServices._Attribute

Enum RVSchemaColumnType

The list of data types supported by Reveal

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public enum RVSchemaColumnType
```

Fields

NAME	DESCRIPTION
Date	Only date data type
DateTime	Date including time
Number	Numeric data type, including integer and floating-point values.
Text	String data type
Time	Only time data type

Enum RVSharePointAuthenticationMethod

Sharepoint authentication methods

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public enum RVSharePointAuthenticationMethod
```

Fields

NAME	DESCRIPTION
Form	Forms based authentication
Office365	Office 365 authentication
WebLogin	Web based login authentication
Windows	Windows (NT) authentication

Class RVSharePointDataSource

Sharepoint data source, contains the URL to the Sharepoint site to use.

Inheritance

System.Object

RVDashboardDataSource

RVSharePointDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVSharePointDataSource : RVDashboardDataSource
```

Constructors

RVSharePointDataSource()

Declaration

```
public RVSharePointDataSource()
```

Properties

AuthenticationMethod

The authentication method to use when connecting to Sharepoint

Declaration

```
public RVSharePointAuthenticationMethod AuthenticationMethod { get; set; }
```

Property Value

TYPE	DESCRIPTION
RVSharePointAuthenticationMethod	

Url

URL to the Sharepoint site (or sub site) to use

Declaration

```
public string Url { get; set; }
```

Property Value

T Y P E	DESCRIPTION
System.String	

Enum RVSharePointItemType

Sharepoint item type

Namespace: Reveal.Sdk
Assembly: RVUI.WPF.dll

Syntax

```
public enum RVSharePointItemType
```

Fields

NAME	DESCRIPTION
List	Sharepoint list
ListItem	Sharepoint list item
People	Sharepoint people
Site	Sharepoint site or sub site

Class RVSharePointListDataSourceItem

Data source item to get data from a Sharepoint list

Inheritance

System.Object

RVDataSourceItem

RVBaseSharePointDataSourceItem

RVSharePointListDataSourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public class RVSharePointListDataSourceItem : RVBaseSharePointDataSourceItem
```

Constructors

RVSharePointListDataSourceItem(RVSharePointDataSource)

Declaration

```
public RVSharePointListDataSourceItem(RVSharePointDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVSharePointDataSource	dataSource	

Properties

IsLibrary

Is this list a document library?

Declaration

```
public bool IsLibrary { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

ListName

The title of the list (not the GUID!)

Declaration

```csharp
public string ListName { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ListUrl

URL to the list

Declaration

```csharp
public string ListUrl { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

View

Name of the view to use

Declaration

```csharp
public string View { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

WebUrl

URL to the site containing the list

Declaration

```csharp
public string WebUrl { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVSharePointListItemDataSourceItem

Data source item to get data from a single item in a Sharepoint list.

Inheritance

System.Object

RVDataSourceItem

RVBaseSharePointDataSourceItem

RVSharePointListItemDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVSharePointListItemDataSourceItem : RVBaseSharePointDataSourceItem, IRVResourceItem
```

Constructors

RVSharePointListItemDataSourceItem(RVSharePointDataSource)

Declaration

```
public RVSharePointListItemDataSourceItem(RVSharePointDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVSharePointDataSource	dataSource	

Properties

AssetContentType

Content-type of the item

Declaration

```
public string AssetContentType { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

FolderRelativePath

Path relative to the folder containing the item

Declaration

```
public string FolderRelativePath { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

IsFolder

Is this single item a folder?

Declaration

```
public bool IsFolder { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

ListItemId

Identification of the single item in the list

Declaration

```
public string ListItemId { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ListItemUrl

URL to the single item

Declaration

```
public string ListItemUrl { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ListName

Name of the list

```
public string ListName { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

WebUrl

URL to the site containing the list

Declaration

```
public string WebUrl { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

IRVResourceItem

Class RVSharePointPeopleDataSourceItem

Data source item to get data from people in Sharepoint

Syntax

```
public class RVSharePointPeopleDataSourceItem : RVBaseSharePointDataSourceItem, IRVResourceItem
```

Constructors

RVSharePointPeopleDataSourceItem(RVSharePointDataSource)

Declaration

```
public RVSharePointPeopleDataSourceItem(RVSharePointDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVSharePointDataSource	dataSource	

Properties

UserId

Optional user id when a single user should be displayed

Declaration

```
public string UserId { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

[IRVResourceItem](#)

Class RVSharePointSiteDataSourceItem

Data source item to show information from a site (or sub site)

Inheritance

System.Object

RVDataSourceItem

RVBaseSharePointDataSourceItem

RVSharePointSiteDataSourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVSharePointSiteDataSourceItem : RVBaseSharePointDataSourceItem
```

Constructors

RVSharePointSiteDataSourceItem(RVSharePointDataSource)

Declaration

```
public RVSharePointSiteDataSourceItem(RVSharePointDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVSharePointDataSource	dataSource	

Properties

WebUrl

URL to the site or sub site.

Declaration

```
public string WebUrl { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVSnowflakeDataSource

Snoflake data source, it adds the database name property to the base properties in RVSqlBasedDataSource.

Syntax

```
public class RVSnowflakeDataSource : RVSqlPDSDataSource
```

Constructors

RVSnowflakeDataSource()

Declaration

```
public RVSnowflakeDataSource()
```

Properties

Account

Snowflake account, needed only when using WPF or .NET, not needed for Java SDK.

Declaration

```
public string Account { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Database

Name of the database to connect to.

Declaration

```
public string Database { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVSnowflakeDataSourceItem

Snowflake data source item

Inheritance

System.Object

RVDataSourceItem

RVSqlBasedDataSourceItem

RVSqlPDSDataSourceItem

RVSnowflakeDataSourceItem

Inherited Members

RVSqlPDSDataSourceItem.ProcessDataOnServer

RVSqlBasedDataSourceItem.Database

RVSqlBasedDataSourceItem.Table

RVSqlBasedDataSourceItem.CustomQuery

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVSnowflakeDataSourceItem : RVSqlPDSDataSourceItem
```

Constructors

RVSnowflakeDataSourceItem(RVSnowflakeDataSource)

Declaration

```
public RVSnowflakeDataSourceItem(RVSnowflakeDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVSnowflakeDataSource	dataSource	

Properties

Schema

Name of the schema the referenced table belongs to

Declaration

```
public string Schema { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Property Value

TYPE	DESCRIPTION
System.String	

Class RVSqlBasedDataSource

The base data source class used to represent a connection to one of the supported database systems.

Inheritance

System.Object

[RVDashboardDataSource](#)

RVSqlBasedDataSource

[RVOracleDataSource](#)

[RVRedshiftDataSource](#)

[RVSqlPDSDataSource](#)

[RVSyBaseDataSource](#)

Inherited Members

[RVDashboardDataSource.Id](#)

[RVDashboardDataSource.Title](#)

[RVDashboardDataSource.Subtitle](#)

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public abstract class RVSqlBasedDataSource : RVDashboardDataSource
```

Constructors

RVSqlBasedDataSource()

Declaration

```
protected RVSqlBasedDataSource()
```

Properties

Host

Host name or IP address to connect to.

Declaration

```
public string Host { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Port

TCP Port to connect to. In case this is an SqlServer datasource and host\instance Port value will/need to be -1.

Declaration

```csharp
public int Port { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Int32	

```csharp
public int Port { get; set; }
```

Property Value

TYPE	DESCRIPTION

Class RVSqlBasedDataSourceItem

The base item class used to represent a dataset from one of the supported database systems.

Inheritance

System.Object

RVDataSourceItem

RVSqlBasedDataSourceItem

RVOracleDataSourceItem

RVRedshiftDataSourceItem

RVSqlPDSDataSourceItem

RVSyBaseDataSourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public abstract class RVSqlBasedDataSourceItem : RVDataSourceItem
```

Constructors

RVSqlBasedDataSourceItem(RVDashboardDataSource)

Declaration

```
protected RVSqlBasedDataSourceItem(RVDashboardDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVDashboardDataSource	dataSource	

Properties

CustomQuery

(Optional) Custom SQL query to use when getting data

Declaration

```
public string CustomQuery { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Database

Name of the database to connect to, optional as this value is usually specified in the data source object.

Declaration

```
public string Database { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Table

Name of the table (or view) to get data from

Declaration

```
public string Table { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVSqlPDSDataSource

Inheritance

System.Object

[RVDashboardDataSource](#)

[RVSqlBasedDataSource](#)

RVSqlPDSDataSource

[RVMySqlDataSource](#)

[RVPostgresDataSource](#)

[RVSnowflakeDataSource](#)

[RVSqlServerDataSource](#)

Inherited Members

[RVSqlBasedDataSource.Host](#)

[RVSqlBasedDataSource.Port](#)

[RVDashboardDataSource.Id](#)

[RVDashboardDataSource.Title](#)

[RVDashboardDataSource.Subtitle](#)

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public abstract class RVSqlPDSDataSource : RVSqlBasedDataSource
```

Constructors

RVSqlPDSDataSource()

Declaration

```
public RVSqlPDSDataSource()
```

Properties

ProcessDataOnServerDefaultValue

Sets the default value for "Process Data on Server" option for this data source, the end user can still change the value, unless [ProcessDataOnServerReadOnly](#) is `true`.

Declaration

```
public bool ProcessDataOnServerDefaultValue { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

ProcessDataOnServerReadOnly

When set to `true` the user will not be allowed to change the value for "Process Data on Server" option and the default value will be used.

Declaration

```
public bool ProcessDataOnServerReadOnly { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Class RVSqlPDSDataSourceItem

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public abstract class RVSqlPDSDataSourceItem : RVSqlBasedDataSourceItem
```

Constructors

RVSqlPDSDataSourceItem(RVSqlPDSDataSource)

Declaration

```
public RVSqlPDSDataSourceItem(RVSqlPDSDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVSqlPDSDataSource	dataSource	

Properties

ProcessDataOnServer

Configures if the "Process Data on Server" option is turned on for this item (table or view), defaults to `true`.

Declaration

```
public bool ProcessDataOnServer { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Property Value

TYPE	DESCRIPTION
System.Boolean	

Class RVSqlServerDataSource

Microsoft SQL Server data source, it adds the database name property to the base properties in RVSqlBasedDataSource.

Inheritance

System.Object
RVDashboardDataSource
RVSqlBasedDataSource
RVSqlPDSDataSource
RVSqlServerDataSource
RVAzureSqlDataSource
RVAzureSynapseDataSource

Inherited Members

RVSqlPDSDataSource.ProcessDataOnServerDefaultValue
RVSqlPDSDataSource.ProcessDataOnServerReadOnly
RVSqlBasedDataSource.Host
RVSqlBasedDataSource.Port
RVDashboardDataSource.Id
RVDashboardDataSource.Title
RVDashboardDataSource.Subtitle
System.Object.ToString()
System.Object.Equals(System.Object)
System.Object.Equals(System.Object, System.Object)
System.Object.ReferenceEquals(System.Object, System.Object)
System.Object.GetHashCode()
System.Object.GetType()
System.Object.MemberwiseClone()

Namespace: Reveal.Sdk
Assembly: RVUI.WPF.dll

Syntax

```
public class RVSqlServerDataSource : RVSqlPDSDataSource
```

Constructors

RVSqlServerDataSource()

Declaration

```
public RVSqlServerDataSource()
```

Properties

Database

Name of the database to connect to.

Declaration

```
public string Database { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVSqlServerDataSourceItem

Microsoft SQL Server data source item

Inheritance

System.Object

RVDataSourceItem

RVSqlBasedDataSourceItem

RVSqlPDSDataSourceItem

RVSqlServerDataSourceItem

RVAzureSqlDataSourceItem

RVAzureSynapseDataSourceItem

Inherited Members

RVSqlPDSDataSourceItem.ProcessDataOnServer

RVSqlBasedDataSourceItem.Database

RVSqlBasedDataSourceItem.Table

RVSqlBasedDataSourceItem.CustomQuery

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public class RVSqlServerDataSourceItem : RVSqlPDSDataSourceItem
```

Constructors

RVSqlServerDataSourceItem(RVSqlServerDataSource)

Declaration

```
public RVSqlServerDataSourceItem(RVSqlServerDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVSqlServerDataSource	dataSource	

Properties

Procedure

(Optional) name of the stored procedure to get data from, the procedure is expected to return a result set and might have multiple parameters.

Declaration

```
public string Procedure { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

ProcedureParameters

Parameters to be passed to the stored procedure, if there is such specified in Procedure.

Declaration

```
public Dictionary<string, object> ProcedureParameters { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.Dictionary<System.String, System.Object>	

Schema

Name of the schema the referenced table belongs to

Declaration

```
public string Schema { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVSyBaseDataSource

Sybase data source, it adds the database name property to the base properties in RVSqlBasedDataSource.

Inheritance

System.Object

RVDashboardDataSource

RVSqlBasedDataSource

RVSyBaseDataSource

Inherited Members

RVSqlBasedDataSource.Host

RVSqlBasedDataSource.Port

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVSyBaseDataSource : RVSqlBasedDataSource
```

Constructors

RVSyBaseDataSource()

Declaration

```
public RVSyBaseDataSource()
```

Properties

Database

Name of the database to connect to.

Declaration

```
public string Database { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVSyBaseDataSourceItem

Sybase data source item

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVSyBaseDataSourceItem : RVSqlBasedDataSourceItem
```

Constructors

RVSyBaseDataSourceItem(RVSyBaseDataSource)

Declaration

```
public RVSyBaseDataSourceItem(RVSyBaseDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVSyBaseDataSource	dataSource	

Properties

Schema

Name of the schema the referenced table belongs to

Declaration

```
public string Schema { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class RVUsernamePasswordDataSourceCredential

The class used to represent domain/user/password credentials, required to connect to all data bases (MS SQL, MySQL, etc) and some other data sources (REST API for example).

Inheritance

System.Object

RVUsernamePasswordDataSourceCredential

Implements

[IRVDataSourceCredential](#)

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: **RVUI.WPF.dll**

Syntax

```
public class RVUsernamePasswordDataSourceCredential : IRVDataSourceCredential
```

Constructors

RVUsernamePasswordDataSourceCredential()

Constructor used to indicate that anonymous credentials or current system user (for MS SQLServer or MS SSAS) needs to be used

Declaration

```
public RVUsernamePasswordDataSourceCredential()
```

RVUsernamePasswordDataSourceCredential(String, String)

Creates credentials with no domain

Declaration

```
public RVUsernamePasswordDataSourceCredential(string userName, string password)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userName	User name
System.String	password	Password

RVUsernamePasswordDataSourceCredential(String, String, String)

Creates credentials with the specified attributes

```
public RVUsernamePasswordDataSourceCredential(string userName, string password, string domain)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userName	User name
System.String	password	Password
System.String	domain	Domain

Properties

Domain

Declaration

```
public string Domain { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Password

Declaration

```
public string Password { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

UserName

Declaration

```
public string UserName { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Implements

IRVDataSourceCredential

Class RVVisualization

The class representing a visualization (widget) in the dashboard model.

Inheritance

System.Object

RVVisualization

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class RVVisualization
```

Properties

ChartType

The chart type used by this visualization RVChartType

Declaration

```
public RVChartType ChartType { get; }
```

Property Value

TYPE	DESCRIPTION
RVChartType	

Id

The ID of the visualization

Declaration

```
public string Id { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Title

The title of the visualization

Declaration

```
public string Title { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Property Value

TYPE	DESCRIPTION
System.String	

Class RVWebResourceDataSource

Web resource data source, used to download files from HTTP URL's using GET method. See RVRESTDataSource to use other HTTP methods or to customize parameters, headers and body to sent.

Inheritance

System.Object

RVDashboardDataSource

RVWebResourceDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVWebResourceDataSource : RVDashboardDataSource
```

Constructors

RVWebResourceDataSource()

Declaration

```
public RVWebResourceDataSource()
```

Properties

Url

URL to the web resource, is expected to be a URL with HTTP or HTTPS scheme.

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

UseAnonymousAuthentication

Boolean flag indicating if anonymous authentication should be used for this data source or credentials must be requested to the containing application.

Declaration

```
public bool UseAnonymousAuthentication { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Property Value

TYPE	DESCRIPTION
System.Boolean	

Class RVWebResourceDataSourceItem

Web resource data source item, see RVWebResourceDataSource for more information.

Inheritance

System.Object

RVDataSourceItem

RVWebResourceDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class RVWebResourceDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVWebResourceDataSourceItem(RVWebResourceDataSource)

Declaration

```
public RVWebResourceDataSourceItem(RVWebResourceDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
RVWebResourceDataSource	dataSource	

Properties

Url

URL to use to download the file, must match the URL specified in the RVWebResourceDataSource data source object.

Declaration

```
public string Url { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	URL to use to download the file

Implements

IRVResourceItem

Class ScatterMapVisualizationsConfiguration

Configuration used by Scatter Map visualization, used to configure the tiles provider (one of Bing, ESRI or MapBox) and corresponding token.

Inheritance

System.Object

ScatterMapVisualizationsConfiguration

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class ScatterMapVisualizationsConfiguration
```

Constructors

ScatterMapVisualizationsConfiguration(RVMapImageryType, String)

Declaration

```
public ScatterMapVisualizationsConfiguration(RVMapImageryType mapImageryType, string token)
```

Parameters

TYPE	NAME	DESCRIPTION
[RVMapImageryType](#)	mapImageryType	
System.String	token	

Properties

MapImageryProviderToken

The token used to enable the provider specified in [MapImageryType](#).

Declaration

```
public string MapImageryProviderToken { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

MapImageryType

Map tiles provider, one of Bing, ESRI, MapBox, OpenStreetMap

Declaration

```
public RVMapImageryType MapImageryType { get; }
```

Property Value

TYPE	DESCRIPTION
RVMapImageryType	

MapImageryUrl

The url used to load tiles, only supported for OpenStreetMap. For example: "https://tile.openstreetmap.org/{Z}/{X}/{Y}.png"

Declaration

```
public string MapImageryUrl { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Methods

CreateOpenStreetMapConfiguration(String)

Declaration

```
public static ScatterMapVisualizationsConfiguration CreateOpenStreetMapConfiguration(string url)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	url	

Returns

TYPE	DESCRIPTION
ScatterMapVisualizationsConfiguration	

Class ScriptingConfiguration

System.Object

ScriptingConfiguration

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class ScriptingConfiguration
```

Properties

PythonInterpreterPath

Directory where Python interpreter (python.exe) is installed

Declaration

```
public string PythonInterpreterPath { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

RInterpreterPath

Directory where R interpreter (rscript.exe) is installed

Declaration

```
public string RInterpreterPath { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Class SdkInMemoryIterator

Inheritance

System.Object

SdkInMemoryIterator

Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class SdkInMemoryIterator : IInMemoryDataIterator
```

Constructors

SdkInMemoryIterator(List<TableSchemaColumn>, IEnumerable<IEnumerable<Object>>)

Declaration

```
public SdkInMemoryIterator(List<TableSchemaColumn> schema, IEnumerable<IEnumerable<object>> source)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.List<Infragistics.ReportPlus.DataLayer.TableSchemaColumn>	schema	
System.Collections.Generic.IEnumerable<System.Collections.Generic.IEnumerable<System.Object>>	source	

Properties

Current

Declaration

```
public CPList Current { get; }
```

Property Value

TYPE	DESCRIPTION
Infragistics.CPList	

Schema

Declaration

```
public List<TableSchemaColumn> Schema { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.List<Infragistics.ReportPlus.DataLayer.TableSchemaColumn>	

Methods

MoveNext()

Declaration

```
public bool MoveNext()
```

Returns

TYPE	DESCRIPTION
System.Boolean	

Class TooltipShowingEventArgs

The arguments object passed to TooltipShowing event with the information about the visualization selected and the data a tooltip will be displayed for.

Inheritance

System.Object

TooltipShowingEventArgs

Namespace: **Reveal.Sdk**

Assembly: RVUI.WPF.dll

Syntax

```
public class TooltipShowingEventArgs : CancelEventArgs
```

Properties

Cell

The cell that tooltip would be displayed for.

Declaration

```
public RVDataCell Cell { get; }
```

Property Value

TYPE	DESCRIPTION
RVDataCell	The cell that tooltip would be displayed for.

Row

The row containing the cell that needs tooltip displayed. This can be used to get the values of other cells in the same row, for example to get the CustomerId even if the cell clicked was "Sales Amount".

Declaration

```
public RVDataCell[] Row { get; }
```

Property Value

TYPE	DESCRIPTION
RVDataCell[]	The row containing the cell that needs tooltip displayed for.

Visualization

The visualization for which the tooltip will be displayed for.

Declaration

```
public RVVisualization Visualization { get; }
```

Property Value

TYPE	DESCRIPTION
RVVisualization	The visualization containing the tooltip cell for.

TYPE	DESCRIPTION
RVVisualization	The visualization containing the tooltip cell for.

Class VisualizationClickedEventArgs

The arguments object passed to VisualizationDataPointClicked event with the information about the visualization selected and the location of the click. list of data sources.

Inheritance

System.Object
System.EventArgs
VisualizationClickedEventArgs

Inherited Members

System.EventArgs.Empty
System.Object.ToString()
System.Object.Equals(System.Object)
System.Object.Equals(System.Object, System.Object)
System.Object.ReferenceEquals(System.Object, System.Object)
System.Object.GetHashCode()
System.Object.GetType()
System.Object.MemberwiseClone()

Namespace: **Reveal.Sdk**
Assembly: RVUI.WPF.dll

Syntax

```
public class VisualizationClickedEventArgs : EventArgs
```

Properties

Cell

The clicked cell

Declaration

```
public RVDataCell Cell { get; }
```

Property Value

TYPE	DESCRIPTION
RVDataCell	The clicked cell

Row

The row containing the clicked cell, can be used to get the values of other cells in the same row, for example to get the CustomerId even if the cell clicked was "Sales Amount".

Declaration

```
public RVDataCell[] Row { get; }
```

Property Value

TYPE	DESCRIPTION
RVDataCell[]	The row containing the clicked cell

Visualization

The visualization containing the clicked cell

Declaration

```
public RVVisualization Visualization { get; }
```

Property Value

TYPE	DESCRIPTION
RVVisualization	The visualization containing the clicked cell

Visualization

The visualization containing the clicked cell

Declaration

```
public RVVisualization Visualization { get; }
```

Class VisualizationEditorClosedEventArgs

The type of the event arguments of the VisualizationEditorClosed event.

Inheritance

System.Object

System.EventArgs

VisualizationEditorClosedEventArgs

Inherited Members

System.EventArgs.Empty

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class VisualizationEditorClosedEventArgs : EventArgs
```

Properties

IsCancelled

This property is true if the editor was closed by discarding the changes (pressing the X button).

Declaration

```
public bool IsCancelled { get; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

IsNewVisualization

This property is true if it is a new visualization that has been created

Declaration

```
public bool IsNewVisualization { get; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Visualization

The visualization after the changes made in the editor

Declaration

```
public RVVisualization Visualization { get; }
```

Property Value

TYPE	DESCRIPTION
RVVisualization	

```
public RVVisualization Visualization { get; }
```

Property Value

TYPE	DESCRIPTION
RVVisualization	

Class VisualizationEditorClosingEventArgs

The type of the event arguments of the VisualizationEditorClosing event.

Inheritance

System.Object

VisualizationEditorClosingEventArgs

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class VisualizationEditorClosingEventArgs : CancelEventArgs
```

Properties

IsNewVisualization

This property is true if it is new visualization that has been created

Declaration

```
public bool IsNewVisualization { get; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

ResetVisualization

Set this property to true in order to reset the visualization at its initial state resetting any changes.

Declaration

```
public bool ResetVisualization { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Visualization

The visualization after the changes made in the editor

Declaration

```
public RVVisualization Visualization { get; }
```

Property Value

TYPE	DESCRIPTION
RVVisualization	

Class VisualizationEditorOpenedEventArgs

The type of the event arguments of the VisualizationEditorOpened event.

Inheritance

System.Object

System.EventArgs

VisualizationEditorOpenedEventArgs

Inherited Members

System.EventArgs.Empty

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class VisualizationEditorOpenedEventArgs : EventArgs
```

Properties

IsNewVisualization

This property is true if it is a new visualization that is being created

Declaration

```
public bool IsNewVisualization { get; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Visualization

The visualization being edited

Declaration

```
public RVVisualization Visualization { get; }
```

Property Value

TYPE	DESCRIPTION
RVVisualization	

Class VisualizationEditorOpeningEventArgs

The type of the event arguments of the VisualizationEditorOpening event.

Inheritance

System.Object

VisualizationEditorOpeningEventArgs

Namespace: Reveal.Sdk

Assembly: RVUI.WPF.dll

Syntax

```
public class VisualizationEditorOpeningEventArgs : CancelEventArgs
```

Properties

IsNewVisualization

This property is true if it is a new visualization that is being created

Declaration

```
public bool IsNewVisualization { get; }
```

Property Value

TYPE	DESCRIPTION
System.Boolean	

Visualization

The visualization being edited

Declaration

```
public RVVisualization Visualization { get; }
```

Property Value

TYPE	DESCRIPTION
RVVisualization	

Delegate VisualizationLinkingCallback

Callback used to return the contents of the target dashboard of a navigation.

Namespace: **Reveal.Sdk**
Assembly: RVUI.WPF.dll

Syntax

```
public delegate void VisualizationLinkingCallback(string dashdboardId, Stream dashboard);
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashdboardId	The id of the dashboard to open
System.IO.Stream	dashboard	The contents of the target dashboard in rdash format

Constructors

VisualizationLinkingCallback(Object, IntPtr)

Declaration

```
public VisualizationLinkingCallback(object object, IntPtr method)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	object	
System.IntPtr	method	

Methods

BeginInvoke(String, Stream, AsyncCallback, Object)

Declaration

```
public virtual IAsyncResult BeginInvoke(string dashdboardId, Stream dashboard, AsyncCallback callback, object object)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashdboardId	
System.IO.Stream	dashboard	
System.AsyncCallback	callback	
System.Object	object	

Returns

TYPE	DESCRIPTION
System.IAsyncResult	

EndInvoke(IAsyncResult)

Declaration

```
public virtual void EndInvoke(IAsyncResult result)
```

Parameters

TYPE	NAME	DESCRIPTION
System.IAsyncResult	result	

Invoke(String, Stream)

Declaration

```
public virtual void Invoke(string dashdboardId, Stream dashboard)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashdboardId	
System.IO.Stream	dashboard	

Class VisualizationLinkingDashboardEventArgs

The arguments object passed to VisualizationLinkingDashboard event with the information about the link selected (title and url) and the callback function to call with the contents of the target dashboard.

Inheritance

System.Object
System.EventArgs
VisualizationLinkingDashboardEventArgs

Inherited Members

System.EventArgs.Empty
System.Object.ToString()
System.Object.Equals(System.Object)
System.Object.Equals(System.Object, System.Object)
System.Object.ReferenceEquals(System.Object, System.Object)
System.Object.GetHashCode()
System.Object.GetType()
System.Object.MemberwiseClone()

Namespace: Reveal.Sdk
Assembly: RVUI.WPF.dll

Syntax

```
public class VisualizationLinkingDashboardEventArgs : EventArgs
```

Properties

Callback

Callback function to invoke when processing the VisualizationLinkingDashboard event with the contents of the target dashboard.

Declaration

```
public VisualizationLinkingCallback Callback { get; }
```

Property Value

TYPE	DESCRIPTION
VisualizationLinkingCallback	

DashboardId

Helper getter that returns the dashboard id referenced by the URL, when the URL is in the format "id:value".

Declaration

```
public string DashboardId { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Title

Title of the link, as specified when the link was defined in the dashboard.

```
public string Title { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Url

URL to the target dashboard, usually an internal URL containing the ID of the target dashboard.

Declaration

```
public string Url { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Declaration

Property Value

Class VisualizationsConfiguration

Syntax

```
public class VisualizationsConfiguration
```

Properties

Maps

Configuration used by Choropleth and Scatter Map visualizations

Declaration

```
public MapVisualizationsConfiguration Maps { get; }
```

Property Value

TYPE	DESCRIPTION
MapVisualizationsConfiguration	

ScatterMaps

Configuration used by Scatter Map visualization, set `null` to disable the Map tiles provider.

Declaration

```
public ScatterMapVisualizationsConfiguration ScatterMaps { get; set; }
```

Property Value

TYPE	DESCRIPTION
ScatterMapVisualizationsConfiguration	