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Namespace Reveal.Sdk

Classes

Dashboard

An immutable representation of a Dashboard. Could be instantiated by Stream of a .rdash file or by providing JSON string representation of the model.

DashboardInfo

A class that contains a summary of the dashboard, used by client side components to render a preview of the dashboard. You can get an instance of this object by using GetInfoAsync(String).

DataSourceItemMappingResult

DIExtensions

InMemoryDataUtility

RevealEmbedSettings

Class used to configure the Reveal SDK embedded in your application.

RevealSdkContextBase

Main class to be inherited when integrating your server side application with Reveal SDK. It provides callbacks for working with the SDK and properties to configure data sources replacement and in-memory data sources. See the developer guide for more information.

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

RVBaseAuthenticationProvider

RVBaseDataProvider

RVBaseDataSourceProvider

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

RVChartType

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.

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.

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.

RVDateFilterType

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

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

RVGoogleAnalyticsDataSource

Google Analytics data source

RVGoogleAnalyticsDataSourceItem

Google Analytics data source item.

RVGoogleAnalyticsResourceType

Google Analytics resource type.

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 in 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

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

RVReportingServicesRenderMode

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

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.

RVSchemaColumnType

The list of data types supported by Reveal

RVSharePointAuthenticationMethod

Sharepoint authentication methods

RVSharePointDataSource

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

RVSharePointItemType

Sharepoint item type

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

RVUserContext

User context class that can be used to store additional information (properties) to the userId. This class is internally serialized from/to a "userId" string, the only information that can be returned for now in the SDK for the current user. To avoid breaking compatibility with previous releases we're introducing this class that can be used to encode additional information, that can be retrieved later by using FromString(String) passing the userId received from Reveal.

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.

SdkInMemoryIterator

Interfaces

IRevealSdkContext

This interface is obsolete. Extend RevealSdkContextBase class instead. Main interface to be implemented when integrating your server side application with Reveal SDK. It provides callbacks for working with the SDK and properties to configure data sources replacement and in-memory data sources. See the developer guide for more information.

IRevealUserContext

Interface that can be optionally implemented to return information about the current user id when a request is being processed in the controllers. Can be specified when calling AddRevealServices, if not specified the default implementation provided by Reveal will be used.

IRVAuthenticationProvider

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

IRVDataProvider

The interface that must be implemented and returned in 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 returned in to replace data sources when a dashboard is opened. See 'Replacing data sources' 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

IRVResourceItem

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

Class Dashboard

An immutable representation of a Dashboard. Could be instantiated by Stream of a .rdash file or by providing JSON string representation of the model.

Inheritance

System.Object

Dashboard

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public class Dashboard : Object
```

Constructors

Dashboard(Stream)

Creates a Dashboard object out of Stream of an .rdash file.

Declaration

```
public Dashboard(Stream stream)
```

Parameters

TYPE	NAME	DESCRIPTION
System.IO.Stream	stream	A stream of an .rdash file

Dashboard(String)

Creates a dashboard object out of json formatted string.

Declaration

```
public Dashboard(string json)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	json	Json formatted. string.

Methods

GetInfoAsync(String)

Declaration

```
public Task<DashboardInfo> GetInfoAsync(string dashboardId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashboardId	

Returns

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

SerializeAsJsonAsync()

Asynchronously serializes the dashboard object to json formatter string.

Declaration

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

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.String>	Json formatted representation of the dashboard.

SerializeAsync()

Asynchronously serializes the dashboard object to .rdash stream.

Declaration

```
public Task<Stream> SerializeAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.IO.Stream>	Stream of an .rdash representation of the dashboard.

Class DashboardInfo

A class that contains a summary of the dashboard, used by client side components to render a preview of the dashboard. You can get an instance of this object by using GetInfoAsync(String).

Inheritance

System.Object

DashboardInfo

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public class DashboardInfo : Object
```

Constructors

DashboardInfo(String, IDictionary<String, Object>)

Declaration

```
public DashboardInfo(string id, IDictionary<string, object> info)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
System.Collections.Generic.IDictionary<System.String, System.Object>	info	

Properties

DisplayName

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Id

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Info

Declaration

```
public IDictionary<string, object> Info { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.IDictionary<System.String, System.Object>	

```
public IDictionary<string, object> Info { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.IDictionary<System.String, System.Object>	

Class DataSourceItemMappingResult

Inheritance

System.Object

DataSourceItemMappingResult

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class DataSourceItemMappingResult : Object
```

Constructors

DataSourceItemMappingResult(List<BaseDataSource>, BaseDataSourceItem)

Declaration

```
public DataSourceItemMappingResult(List<BaseDataSource> dataSources, BaseDataSourceItem dsItem)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.List<Infragistics.ReportPlus.DashboardModel.BaseDataSource>	dataSources	
Infragistics.ReportPlus.DashboardModel.BaseDataSourceItem	dsItem	

Properties

DataSourceItem

Declaration

```
public BaseDataSourceItem DataSourceItem { get; set; }
```

Property Value

TYPE	DESCRIPTION
Infragistics.ReportPlus.DashboardModel.BaseDataSourceItem	

DataSources

Declaration

```
public List<BaseDataSource> DataSources { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.List<Infragistics.ReportPlus.DashboardModel.BaseDataSource>	

Class DIExtensions

Inheritance

System.Object

DIExtensions

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public static class DIExtensions : Object
```

Methods

AddReveal(IMvcBuilder)

Adds Reveal services to the specified Microsoft.Extensions.DependencyInjection.IMvcBuilder

Declaration

```
public static IMvcBuilder AddReveal(this IMvcBuilder mvcBuilder)
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.Extensions.DependencyInjection.IMvcBuilder	mvcBuilder	

Returns

TYPE	DESCRIPTION
Microsoft.Extensions.DependencyInjection.IMvcBuilder	

AddRevealServices(IServiceCollection, RevealEmbedSettings, IRevealSdkContext, IRevealUserContext)

Adds Reveal services to the specified Microsoft.Extensions.DependencyInjection.IServiceCollection

Declaration

```
public static IServiceCollection AddRevealServices(this IServiceCollection services, RevealEmbedSettings
embedSettings, IRevealSdkContext sdkContext, IRevealUserContext userContext = null)
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.Extensions.DependencyInjection.IServiceCollection	services	
RevealEmbedSettings	embedSettings	
IRevealSdkContext	sdkContext	
IRevealUserContext	userContext	

Returns

TYPE	DESCRIPTION
Microsoft.Extensions.DependencyInjection.IServiceCollection	

AddRevealServices(IServiceCollection, RevealEmbedSettings, RevealSdkContextBase, IRevealUserContext)

Adds Reveal services to the specified Microsoft.Extensions.DependencyInjection.IServiceCollection

Declaration

```
public static IServiceCollection AddRevealServices(this IServiceCollection services, RevealEmbedSettings
embedSettings, RevealSdkContextBase sdkContext, IRevealUserContext userContext = null)
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.Extensions.DependencyInjection.IServiceCollection	services	
RevealEmbedSettings	embedSettings	
RevealSdkContextBase	sdkContext	
IRevealUserContext	userContext	

Returns

TYPE	DESCRIPTION
Microsoft.Extensions.DependencyInjection.IServiceCollection	

AddRevealServices<RevealSdkContext>(IServiceCollection, RevealEmbedSettings)

Adds Reveal services to the specified Microsoft.Extensions.DependencyInjection.IServiceCollection.

Declaration

```
public static IServiceCollection AddRevealServices<RevealSdkContext>(this IServiceCollection services,
RevealEmbedSettings embedSettings)

    where RevealSdkContext : RevealSdkContextBase
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.Extensions.DependencyInjection.IServiceCollection	services	
RevealEmbedSettings	embedSettings	

Returns

TYPE	DESCRIPTION
Microsoft.Extensions.DependencyInjection.IServiceCollection	

Type Parameters

NAME	DESCRIPTION
RevealSdkContext	The type of the class implementing RevealSdkContextBase.

AddRevealServices<RevealSdkContext, RevealUserContext>(IServiceCollection, RevealEmbedSettings)

Adds Reveal services to the specified Microsoft.Extensions.DependencyInjection.IServiceCollection.

Declaration

```
public static IServiceCollection AddRevealServices<RevealSdkContext, RevealUserContext>(this
IServiceCollection services, RevealEmbedSettings embedSettings)

    where RevealSdkContext : RevealSdkContextBase where RevealUserContext : class, IRevealUserContext
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.Extensions.DependencyInjection.IServiceCollection	services	
RevealEmbedSettings	embedSettings	

Returns

TYPE	DESCRIPTION
Microsoft.Extensions.DependencyInjection.IServiceCollection	

Type Parameters

NAME	DESCRIPTION
RevealSdkContext	The type of the class implementing RevealSdkContextBase.
RevealUserContext	The type of the concrete class implementing IRevealUserContext interface.

Class InMemoryDataUtility

Inheritance

System.Object

InMemoryDataUtility

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public static class InMemoryDataUtility : Object
```

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 IRevealSdkContext

This interface is obsolete. Extend RevealSdkContextBase class instead. Main interface to be implemented when integrating your server side application with Reveal SDK. It provides callbacks for working with the SDK and properties to configure data sources replacement and in-memory data sources. See the developer guide for more information.

Namespace: **Reveal.Sdk**
Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public interface IRevealSdkContext
```

Properties

AuthenticationProvider

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

Declaration

```
IRVAuthenticationProvider AuthenticationProvider { get; }
```

Property Value

TYPE	DESCRIPTION
IRVAuthenticationProvider	

DataProvider

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

Declaration

```
IRVDataProvider DataProvider { get; }
```

Property Value

TYPE	DESCRIPTION
IRVDataProvider	

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

```
IRVDataSourceProvider DataSourceProvider { get; }
```

Property Value

TYPE	DESCRIPTION
IRVDataSourceProvider	

Methods

GetDashboardAsync(String)

Callback method used to return the contents (in rdash format) of the given dashboard. See the developer guide for more information.

Declaration

```
Task<Stream> GetDashboardAsync(string dashboardId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashboardId	The ID of the dashboard being opened

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.IO.Stream>	The stream with the contents of the requested dashboard, in rdash format.

SaveDashboardAsync(String, String, Stream)

Callback method used to store changes to the specified dashboard. See the developer guide for more information.

Declaration

```
Task SaveDashboardAsync(string userId, string dashboardId, Stream dashboardStream)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	The ID of the user saving changes to the dashboard
System.String	dashboardId	The ID of the dashboard being saved
System.IO.Stream	dashboardStream	The stream with the contents of the dashboard in rdash format

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	The Task object that allows this method to be implemented as an async method

Interface IRevealUserContext

Interface that can be optionally implemented to return information about the current user id when a request is being processed in the controllers. Can be specified when calling AddRevealServices, if not specified the default implementation provided by Reveal will be used.

Namespace: Reveal.Sdk
Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public interface IRevealUserContext
```

Methods

GetUserId(ClaimsPrincipal)

Returns the ID of the user associated to the principal parameter.

Declaration

```
string GetUserId(ClaimsPrincipal principal)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Security.Claims.ClaimsPrincipal	principal	The principal claims as obtained from the 'User' property in the controller

Returns

TYPE	DESCRIPTION
System.String	The ID of the user associated to the given principal

Interface IRVAuthenticationProvider

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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public interface IRVAuthenticationProvider
```

Methods

ResolveCredentialsAsync(String, 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(string userId, RVDashboardDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	The ID of the user credentials are being returned for
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 returned in to return in-memory data for dashboards.

Namespace: Reveal.Sdk
Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public interface IRVDataProvider
```

Methods

GetData(String, 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(string userId, RVInMemoryDataSourceItem dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	Identification of the user requesting the data
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: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public interface IRVDataSourceCredential
```

Interface IRVDataSourceProvider

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

Namespace: **Reveal.Sdk**
Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public interface IRVDataSourceProvider
```

Methods

ChangeDashboardFilterDataSourceItemAsync(String, String, 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(string userId, string dashboardId,
RVDashboardFilter filter, RVDataSourceItem dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	The ID of the user requesting the data
System.String	dashboardId	The ID of the dashboard containing the filter
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(String, String, 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(string userId, string dashboardId,
RVVisualization visualization, RVDataSourceItem dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	The ID of the user requesting the data
System.String	dashboardId	The ID of the dashboard containing the visualization
RVVisualization	visualization	The visualization 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

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>

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

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: Infragistics.Reveal.SDK.Server.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 IRVResourceItem

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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public interface IRVResourceItem
```

Class RevealEmbedSettings

Class used to configure the Reveal SDK embedded in your application.

Inheritance

System.Object

RevealEmbedSettings

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public class RevealEmbedSettings : Object
```

Constructors

RevealEmbedSettings()

Declaration

```
public RevealEmbedSettings()
```

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, it defaults to CachePath

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

LocalFileStoragePath

Root directory used to load data files using the "Local" data source, see RVLocalFileDataSourceItem. It defaults to "C:\Reveal\Files"

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

MaxDownloadSize

Sets a limit on the size of a single download (e.g. a CSV file). Default us 200Mb.

Declaration

```
public Nullable<long> MaxDownloadSize { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Int64>	

MaxInMemoryCells

Set this property to the expected maximum size of pivot tables or grids, given as a number of cells. The engine avoids using too much memory and this setting provides a hint for its memory management. Default is 10 million cells.

Declaration

```
public Nullable<long> MaxInMemoryCells { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Int64>	

MaxStorageCells

Set this property to the expected maximum size of cells to be processed from any data source (e.g. from a Sql Server table rows, from CSV rows, etc.). The engine avoids using too much disk space for its cache and this setting provides a hint for its caching management. Default is 10 million cells.

Declaration

```
public Nullable<long> MaxStorageCells { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Int64>	

MaxStringCellSize

Sets a limit on the number of characters any string in a dataset column may have. Default is 256.

Declaration

```
public Nullable<int> MaxStringCellSize { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Int32>	

MaxTotalStringsSize

Set this property to the expected maximum size of pivot tables or grids, given as the total number of characters in all of its cells. The engine avoids using too much memory and this setting provides a hint for its memory management. Default is 64 million.

Declaration

```
public Nullable<long> MaxTotalStringsSize { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Int64>	

Class RevealSdkContextBase

Main class to be inherited when integrating your server side application with Reveal SDK. It provides callbacks for working with the SDK and properties to configure data sources replacement and in-memory data sources. See the developer guide for more information.

Inheritance

System.Object

RevealSdkContextBase

Implements

[IRevealSdkContext](#)

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public abstract class RevealSdkContextBase : Object, IRevealSdkContext
```

Constructors

RevealSdkContextBase()

Declaration

```
protected RevealSdkContextBase()
```

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 virtual IRVAuthenticationProvider AuthenticationProvider { get; }
```

Property Value

TYPE	DESCRIPTION
[IRVAuthenticationProvider](#)	

DataProvider

Property used to return in-memory data when [RVInMemoryDataSourceItem](#) is used.

Declaration

```
public virtual IRVDataProvider DataProvider { get; }
```

Property Value

TYPE	DESCRIPTION
[IRVDataProvider](#)	

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 virtual IRVDataSourceProvider DataSourceProvider { get; }
```

Property Value

TYPE	DESCRIPTION
IRVDataSourceProvider	

Methods

GetDashboardAsync(String)

Callback method used to return the contents (in Dashboard format) of the given dashboard. See the developer guide for more information.

Declaration

```
public abstract Task<Dashboard> GetDashboardAsync(string dashboardId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashboardId	The ID of the dashboard being opened

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<Dashboard>	The stream with the contents of the requested dashboard, in rdash format.

SaveDashboardAsync(String, String, Dashboard)

Callback method used to store changes to the specified dashboard. See the developer guide for more information.

Declaration

```
public abstract Task SaveDashboardAsync(string userId, string dashboardId, Dashboard dashboard)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	The ID of the user saving changes to the dashboard
System.String	dashboardId	The ID of the dashboard being saved
Dashboard	dashboard	Dashboard object to be serialized. SerializeAsJsonAsync() to retrieve the json representation of the dashboard or SerializeAsync() to retrieve it as a.rdash stream

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	The Task object that allows this method to be implemented as an async method

Explicit Interface Implementations

IRevealSdkContext.AuthenticationProvider

Declaration

```
IRVAuthenticationProvider IRevealSdkContext.AuthenticationProvider { get; }
```

Returns

TYPE	DESCRIPTION
IRVAuthenticationProvider	

IRevealSdkContext.DataProvider

Declaration

```
IRVDataProvider IRevealSdkContext.DataProvider { get; }
```

Returns

TYPE	DESCRIPTION
IRVDataProvider	

IRevealSdkContext.DataSourceProvider

Declaration

```
IRVDataSourceProvider IRevealSdkContext.DataSourceProvider { get; }
```

Returns

TYPE	DESCRIPTION
IRVDataSourceProvider	

IRevealSdkContext.GetDashboardAsync(String)

Declaration

```
Task<Stream> IRevealSdkContext.GetDashboardAsync(string dashboardId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	dashboardId	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.IO.Stream>	

IRevealSdkContext.SaveDashboardAsync(String, String, Stream)

Declaration

```
Task IRevealSdkContext.SaveDashboardAsync(string userId, string dashboardId, Stream dashboardStream)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
System.String	dashboardId	
System.IO.Stream	dashboardStream	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	

Implements

[IRevealSdkContext](#)

Class RVAmazonWebServicesCredentials

Inheritance

System.Object

RVAmazonWebServicesCredentials

Implements

[IRVDataSourceCredential](#)

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVAmazonWebServicesCredentials : Object, 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

Declaration

```
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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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.

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	

Class RVAthenaDataSource

Amazon Athena data source

System.Object

RVDashboardDataSource

RVAthenaDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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](#)

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVAzureSynapseDataSourceItem : RVSqlServerDataSourceItem
```

Constructors

RVAzureSynapseDataSourceItem(RVAzureSynapseDataSource)

Declaration

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

Parameters

TYPE	NAME	DESCRIPTION
RVAzureSynapseDataSource	dataSource	

Class RVBaseAuthenticationProvider

Inheritance

System.Object

RVBaseAuthenticationProvider

Implements

[IRVAuthenticationProvider](#)

Namespace: **Reveal.Sdk**

Assembly: **Infragistics.Reveal.SDK.WebAPI.dll**

Syntax

```
public abstract class RVBaseAuthenticationProvider : Object, IRVAuthenticationProvider
```

Constructors

RVBaseAuthenticationProvider()

Declaration

```
protected RVBaseAuthenticationProvider()
```

Methods

ResolveCredentialsAsync(RVUserContext, RVDashboardDataSource)

Declaration

```
protected abstract Task<IRVDataSourceCredential> ResolveCredentialsAsync(RVUserContext userContext,
RVDashboardDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
[RVUserContext](#)	userContext	
[RVDashboardDataSource](#)	dataSource	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<[IRVDataSourceCredential](#)>	

ResolveCredentialsAsync(String, RVDashboardDataSource)

Declaration

```
public Task<IRVDataSourceCredential> ResolveCredentialsAsync(string userId, RVDashboardDataSource dataSource)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
[RVDashboardDataSource](#)	dataSource	

Returns

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

Implements

[IRVAuthenticationProvider](#)

Class RVBaseDataProvider

Inheritance

System.Object

RVBaseDataProvider

Implements

[IRVDataProvider](#)

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public abstract class RVBaseDataProvider : Object, IRVDataProvider
```

Constructors

RVBaseDataProvider()

Declaration

```
protected RVBaseDataProvider()
```

Methods

GetData(RVUserContext, RVInMemoryDataSourceItem)

Declaration

```
protected abstract Task<IRVInMemoryData> GetData(RVUserContext userContext, RVInMemoryDataSourceItem
dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
[RVUserContext](#)	userContext	
[RVInMemoryDataSourceItem](#)	dataSourceItem	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<[IRVInMemoryData](#)>	

GetData(String, RVInMemoryDataSourceItem)

Declaration

```
public Task<IRVInMemoryData> GetData(string userId, RVInMemoryDataSourceItem dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
[RVInMemoryDataSourceItem](#)	dataSourceItem	

Returns

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

Implements

IRVDataProvider

Class RVBaseDataSourceProvider

Inheritance

System.Object

RVBaseDataSourceProvider

Implements

IRVDataSourceProvider

Namespace: **Reveal.Sdk**

Assembly: **Infragistics.Reveal.SDK.WebAPI.dll**

Syntax

```
public abstract class RVBaseDataSourceProvider : Object, IRVDataSourceProvider
```

Constructors

RVBaseDataSourceProvider()

Declaration

```
protected RVBaseDataSourceProvider()
```

Methods

ChangeDashboardFilterDataSourceItemAsync(RVUserContext, String, RVDashboardFilter, RVDataSourceItem)

Declaration

```
protected abstract Task<RVDataSourceItem> ChangeDashboardFilterDataSourceItemAsync(RVUserContext userContext,
string dashboardId, RVDashboardFilter filter, RVDataSourceItem dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
RVUserContext	userContext	
System.String	dashboardId	
RVDashboardFilter	filter	
RVDataSourceItem	dataSourceItem	

Returns

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

ChangeDashboardFilterDataSourceItemAsync(String, String, RVDashboardFilter, RVDataSourceItem)

Declaration

```
public Task<RVDataSourceItem> ChangeDashboardFilterDataSourceItemAsync(string userId, string dashboardId,
RVDashboardFilter filter, RVDataSourceItem dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
System.String	dashboardId	
RVDashboardFilter	filter	
RVDataSourceItem	dataSourceItem	

Returns

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

ChangeVisualizationDataSourceItemAsync(RVUserContext, String, RVVisualization, RVDataSourceItem)

Declaration

```
protected abstract Task<RVDataSourceItem> ChangeVisualizationDataSourceItemAsync(RVUserContext userContext,
string dashboardId, RVVisualization visualization, RVDataSourceItem dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
RVUserContext	userContext	
System.String	dashboardId	
RVVisualization	visualization	
RVDataSourceItem	dataSourceItem	

Returns

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

ChangeVisualizationDataSourceItemAsync(String, String, RVVisualization, RVDataSourceItem)

Declaration

```
public Task<RVDataSourceItem> ChangeVisualizationDataSourceItemAsync(string userId, string dashboardId,
RVVisualization visualization, RVDataSourceItem dataSourceItem)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
System.String	dashboardId	
RVVisualization	visualization	

TYPE	NAME	DESCRIPTION
RVDataSourceItem	dataSourceItem	

Returns

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

Implements

[IRVDataSourceProvider](#)

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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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.

Syntax

```
public class RVBearerTokenDataSourceCredential : Object, 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

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

System.Object

RVDataSourceItem

RVBigQueryDataSourceItem

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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	

Class RVBoxDataSource

Box data source

Inheritance

System.Object

RVDashboardDataSource

RVBoxDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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](#)

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Inheritance

System.Object

RVChartSettings

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVChartSettings : Object
```

Constructors

RVChartSettings()

Declaration

```
public RVChartSettings()
```

Properties

LeftAxisMaxValue

Declaration

```
public Nullable<double> LeftAxisMaxValue { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Double>	

LeftAxisMinValue

Declaration

```
public Nullable<double> LeftAxisMinValue { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Double>	

RightAxisMaxValue

Declaration

```
public Nullable<double> RightAxisMaxValue { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Double>	

RightAxisMinValue

Declaration

```
public Nullable<double> RightAxisMinValue { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Double>	

```
public Nullable<double> RightAxisMinValue { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.Double>	

Class RVChartType

Inheritance

System.Object

RVChartType

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public sealed class RVChartType : Enum
```

Fields

AreaChart

Declaration

```
public const RVChartType AreaChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

BarChart

Declaration

```
public const RVChartType BarChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

BubbleChart

Declaration

```
public const RVChartType BubbleChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

BulletGraph

Declaration

```
public const RVChartType BulletGraph
```

Field Value

TYPE	DESCRIPTION
RVChartType	

CandlestickChart

Declaration

```
public const RVChartType CandlestickChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

Choropleth

Declaration

```
public const RVChartType Choropleth
```

Field Value

TYPE	DESCRIPTION
RVChartType	

ColumnChart

Declaration

```
public const RVChartType ColumnChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

ComboChart

Declaration

```
public const RVChartType ComboChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

DIY

Declaration

```
public const RVChartType DIY
```

Field Value

TYPE	DESCRIPTION
RVChartType	

DoughnutChart

Declaration

```
public const RVChartType DoughnutChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

FunnelChart

Declaration

```
public const RVChartType FunnelChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

Grid

Declaration

```
public const RVChartType Grid
```

Field Value

TYPE	DESCRIPTION
RVChartType	

Image

Declaration

```
public const RVChartType Image
```

Field Value

TYPE	DESCRIPTION
RVChartType	

Indicator

Declaration

```
public const RVChartType Indicator
```

Field Value

TYPE	DESCRIPTION
RVChartType	

IndicatorTarget

Declaration

```
public const RVChartType IndicatorTarget
```

Field Value

TYPE	DESCRIPTION
RVChartType	

LabelGauge

Declaration

```
public const RVChartType LabelGauge
```

Field Value

TYPE	DESCRIPTION
RVChartType	

LinearGauge

Declaration

```
public const RVChartType LinearGauge
```

Field Value

TYPE	DESCRIPTION
RVChartType	

LineChart

Declaration

```
public const RVChartType LineChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

OHLC_Chart

Declaration

```
public const RVChartType OHLC_Chart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

PieChart

Declaration

```
public const RVChartType PieChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

Pivot

Declaration

```
public const RVChartType Pivot
```

Field Value

TYPE	DESCRIPTION
RVChartType	

RadialGauge

Declaration

```
public const RVChartType RadialGauge
```

Field Value

TYPE	DESCRIPTION
RVChartType	

RadialLineChart

Declaration

```
public const RVChartType RadialLineChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

ScatterChart

Declaration

```
public const RVChartType ScatterChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

ScatterMap

Declaration

```
public const RVChartType ScatterMap
```

Field Value

TYPE	DESCRIPTION
RVChartType	

ScriptPython

Declaration

```
public const RVChartType ScriptPython
```

Field Value

TYPE	DESCRIPTION
RVChartType	

ScriptR

Declaration

```
public const RVChartType ScriptR
```

Field Value

TYPE	DESCRIPTION
RVChartType	

Sparkline

Declaration

```
public const RVChartType Sparkline
```

Field Value

TYPE	DESCRIPTION
RVChartType	

SplineAreaChart

Declaration

```
public const RVChartType SplineAreaChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

SplineChart

Declaration

```
public const RVChartType SplineChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

StackedAreaChart

Declaration

```
public const RVChartType StackedAreaChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

StackedBarChart

Declaration

```
public const RVChartType StackedBarChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

StackedColumnChart

Declaration

```
public const RVChartType StackedColumnChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

StepAreaChart

Declaration

```
public const RVChartType StepAreaChart
```

Field Value

TYPE	DESCRIPTION
RVChartType	

StepLineChart

Declaration

```
public const RVChartType StepLineChart
```

Field Value

TYPE	DESCRIPTION
[RVChartType](#)	

TextBox

Declaration

```
public const RVChartType TextBox
```

Field Value

TYPE	DESCRIPTION
[RVChartType](#)	

TextView

Declaration

```
public const RVChartType TextView
```

Field Value

TYPE	DESCRIPTION
[RVChartType](#)	

TimeSeriesChart

Declaration

```
public const RVChartType TimeSeriesChart
```

Field Value

TYPE	DESCRIPTION
[RVChartType](#)	

TreeMap

Declaration

```
public const RVChartType TreeMap
```

Field Value

TYPE	DESCRIPTION
[RVChartType](#)	

value__

Declaration

```
public int value__
```

Field Value

TYPE	DESCRIPTION
System.Int32	

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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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](#)

Namespace: **Reveal.Sdk**
Assembly: **Infragistics.Reveal.SDK.Server.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 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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public abstract class RVDashboardDataSource : Object
```

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	

Class RVDashboardFilter

Class used to represent a dashboard filter

Inheritance

System.Object

RVDashboardFilter

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVDashboardFilter : Object
```

Properties

Id

The ID of the filter.

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	The ID of the filter.

Title

The title of the filter.

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	The title of the filter.

Class RVDataCell

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

Inheritance

System.Object

RVDataCell

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVDataCell : Object
```

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

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](#)

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public abstract class RVDataSourceItem : Object
```

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.

```
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	

Property Value

TYPE	DESCRIPTION
System.String	

Class RVDateDashboardFilter

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

Inheritance

System.Object

RVDateDashboardFilter

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVDateDashboardFilter : Object
```

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

Class RVDateFilterType

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

Inheritance

System.Object

RVDateFilterType

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public sealed class RVDateFilterType : Enum
```

Fields

AllTime

No filter defined, all time is included

Declaration

```
public const RVDateFilterType AllTime
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

CustomRange

Custom range, an instance of RVDateRange must be set in the range property.

Declaration

```
public const RVDateFilterType CustomRange
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

LastMonth

Last 30 days

Declaration

```
public const RVDateFilterType LastMonth
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

LastWeek

Last 7 days

```
public const RVDateFilterType LastWeek
```

TYPE	DESCRIPTION
RVDateFilterType	

LastYear

Last 365 days

Declaration

```
public const RVDateFilterType LastYear
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

MonthToDate

From the first day of the current month

Declaration

```
public const RVDateFilterType MonthToDate
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

NextMonth

The next month

Declaration

```
public const RVDateFilterType NextMonth
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

NextQuarter

The next quarter

Declaration

```
public const RVDateFilterType NextQuarter
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

NextYear

The next year

Declaration

```
public const RVDateFilterType NextYear
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

PreviousMonth

The previous month

Declaration

```
public const RVDateFilterType PreviousMonth
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

PreviousQuarter

The previous quarter

Declaration

```
public const RVDateFilterType PreviousQuarter
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

PreviousYear

The previous year

Declaration

```
public const RVDateFilterType PreviousYear
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

QuarterToDate

From the first day of the current quarter

Declaration

```
public const RVDateFilterType QuarterToDate
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

ThisMonth

This month, including the rest of it

Declaration

```
public const RVDateFilterType ThisMonth
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

ThisQuarter

This quarter, including the rest of it

Declaration

```
public const RVDateFilterType ThisQuarter
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

ThisYear

This year, including the rest of it. From Jan 1st to Dec 31st of the current year

Declaration

```
public const RVDateFilterType ThisYear
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

Today

Today

Declaration

```
public const RVDateFilterType Today
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

TrailingTwelveMonths

The last 12 complete months

Declaration

```
public const RVDateFilterType TrailingTwelveMonths
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

value__

Declaration

```
public int value__
```

Field Value

TYPE	DESCRIPTION
System.Int32	

YearToDate

From Jan 1st this year to today

Declaration

```
public const RVDateFilterType YearToDate
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

Yesterday

Yesterday

Declaration

```
public const RVDateFilterType Yesterday
```

Field Value

TYPE	DESCRIPTION
RVDateFilterType	

Class RVDateRange

Class used to represent a date range for filtering.

Inheritance

System.Object

RVDateRange

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVDateRange : Object
```

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(Nullable<DateTime> fromDate, Nullable<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 Nullable<DateTime> From { get; }
```

Property Value

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

To

The end of the range

Declaration

```
public Nullable<DateTime> To { get; }
```

Property Value

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

The end of the range

Declaration

```
public Nullable<DateTime> To { get; }
```

Property Value

Class RVDropboxDataSource

Dropbox data source

System.Object

RVDashboardDataSource

RVDropboxDataSource

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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.

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

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
System.String	

Class RVExcelRange

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

Inheritance

System.Object

RVExcelRange

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVExcelRange : Object
```

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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVFieldEditorDefaultSettings : Object
```

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	

Class RVFilterValue

Inheritance

System.Object

RVFilterValue

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVFilterValue : Object
```

Properties

Label

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

Value

Declaration

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

Property Value

TYPE	DESCRIPTION
System.Object	

Methods

ToString()

Declaration

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

Returns

TYPE	DESCRIPTION
System.String	

Class RVGoogleAnalyticsDataSource

Google Analytics data source

Inheritance

System.Object

RVDashboardDataSource

RVGoogleAnalyticsDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVGoogleAnalyticsDataSource : RVDashboardDataSource
```

Constructors

RVGoogleAnalyticsDataSource()

Declaration

```
public RVGoogleAnalyticsDataSource()
```

Class RVGoogleAnalyticsDataSourceItem

Google Analytics data source item.

Inheritance

System.Object

[RVDataSourceItem](#)

RVGoogleAnalyticsDataSourceItem

Inherited Members

[RVDataSourceItem.Title](#)

[RVDataSourceItem.Subtitle](#)

[RVDataSourceItem.Id](#)

[RVDataSourceItem.Description](#)

[RVDataSourceItem.DataSource](#)

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

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 Nullable<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; }
```

TYPE	DESCRIPTION
System.String	

StartDate

Start date to use when requesting data.

Declaration

```
public Nullable<DateTime> StartDate { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<System.DateTime>	

Class RVGoogleAnalyticsResourceType

Google Analytics resource type.

Inheritance

System.Object

RVGoogleAnalyticsResourceType

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public sealed class RVGoogleAnalyticsResourceType : Enum
```

Fields

Profiles

Type used to get the list of profiles in the account, usually used in a dashboard filter.

Declaration

```
public const RVGoogleAnalyticsResourceType Profiles
```

Field Value

TYPE	DESCRIPTION
RVGoogleAnalyticsResourceType	

Report

Type used to get analytics data.

Declaration

```
public const RVGoogleAnalyticsResourceType Report
```

Field Value

TYPE	DESCRIPTION
RVGoogleAnalyticsResourceType	

value__

Declaration

```
public int value__
```

Field Value

TYPE	DESCRIPTION
System.Int32	

Class RVGoogleDriveDataSource

Google Drive data source

Inheritance

System.Object

RVDashboardDataSource

RVGoogleDriveDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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.

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVHeadersDataSourceCredentials : Object, 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

TYPE	NAME	DESCRIPTION
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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

System.Object

RVDashboardDataSource

RVHubspotDataSource

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVHubspotDataSource : RVDashboardDataSource
```

Constructors

RVHubspotDataSource()

Declaration

```
public RVHubspotDataSource()
```

Class RVHubspotDataSourceItem

HubSpot data source item, referencing a HubSpot entity.

Syntax

```
public class RVHubspotDataSourceItem : RVDataSourceItem, IRVResourceItem
```

Constructors

RVHubspotDataSourceItem()

Declaration

```
public RVHubspotDataSourceItem()
```

Properties

EndDate

End date to use when requesting data.

Declaration

```
public Nullable<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 Nullable<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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public abstract class RVInMemoryData : Object, 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.

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.

Inheritance

System.Object

RVDashboardDataSource

RVInMemoryDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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.

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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 in 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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Class RVMarketoDataSource

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

System.Object

[RVDashboardDataSource](#)

RVMarketoDataSource

Inherited Members

[RVDashboardDataSource.Id](#)

[RVDashboardDataSource.Title](#)

[RVDashboardDataSource.Subtitle](#)

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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 Nullable<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 Nullable<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

Inheritance

System.Object

RVDashboardDataSource

RVSqlBasedDataSource

RVSqlPDSDataSource

RVMySqlDataSource

Inherited Members

RVSqlPDSDataSource.ProcessDataOnServerDefaultValue

RVSqlPDSDataSource.ProcessDataOnServerReadOnly

RVSqlBasedDataSource.Host

RVSqlBasedDataSource.Port

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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	

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](#)

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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	

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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Class RVOneDriveDataSource

OneDrive data source

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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](#).

Namespace: **Reveal.Sdk**

Assembly: **Infragistics.Reveal.SDK.Server.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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk
Assembly: Infragistics.Reveal.SDK.Server.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.

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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	

```
public Dictionary<string, object> FunctionParameters { get; set; }
```

Class RVQuickBooksDataSource

QuickBooks data source

System.Object

RVDashboardDataSource

RVQuickBooksDataSource

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Inheritance

System.Object

[RVDataSourceItem](#)

RVQuickBooksDataSourceItem

Inherited Members

[RVDataSourceItem.Title](#)

[RVDataSourceItem.Subtitle](#)

[RVDataSourceItem.Id](#)

[RVDataSourceItem.Description](#)

[RVDataSourceItem.DataSource](#)

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

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

Property Value

TYPE	DESCRIPTION
System.String	

Class RVRedshiftDataSourceItem

Amazon Redshift data source item

Inheritance

System.Object

RVDataSourceItem

RVSqlBasedDataSourceItem

RVRedshiftDataSourceItem

Inherited Members

RVSqlBasedDataSourceItem.Database

RVSqlBasedDataSourceItem.Table

RVSqlBasedDataSourceItem.CustomQuery

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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	

```
public Dictionary<string, object> FunctionParameters { get; set; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.Dictionary<System.String, System.Object>	

Class RVReportingServicesDataSource

Microsoft Reporting Services (MS SSRS) data source

System.Object

RVDashboardDataSource

RVReportingServicesDataSource

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Inheritance

System.Object

RVDataSourceItem

RVReportingServicesDataSourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

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

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	

Class RVReportingServicesRenderMode

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

Inheritance

System.Object

RVReportingServicesRenderMode

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public sealed class RVReportingServicesRenderMode : Enum
```

Fields

Data

Data mode, it means the report will be exported to CSV and that data will be used as regular input data.

Declaration

```
public const RVReportingServicesRenderMode Data
```

Field Value

TYPE	DESCRIPTION
RVReportingServicesRenderMode	

Report

Report mode, it means the report will be exported to PDF and rendered that way

Declaration

```
public const RVReportingServicesRenderMode Report
```

Field Value

TYPE	DESCRIPTION
RVReportingServicesRenderMode	

value__

Declaration

```
public int value__
```

Field Value

TYPE	DESCRIPTION
System.Int32	

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.

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	

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.

Inheritance

System.Object

RVDashboardDataSource

RVRESTDataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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; }
```

Property Value

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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

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

Property Value

TYPE	DESCRIPTION
System.String	URL to the REST endpoint

Class RVS3DataSource

Amazon S3 data source

Inheritance

System.Object

RVDashboardDataSource

RVS3DataSource

Inherited Members

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVSchemaColumn : Object
```

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

RVSchemaColumnAttribute

Syntax

```
public class RVSchemaColumnAttribute : 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; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Type

Declaration

```
public Nullable<RVSchemaColumnType> Type { get; }
```

Property Value

TYPE	DESCRIPTION
System.Nullable<RVSchemaColumnType>	

Class RVSchemaColumnType

The list of data types supported by Reveal

Inheritance

System.Object

RVSchemaColumnType

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public sealed class RVSchemaColumnType : Enum
```

Fields

Date

Only date data type

Declaration

```
public const RVSchemaColumnType Date
```

Field Value

TYPE	DESCRIPTION
RVSchemaColumnType	

DateTime

Date including time

Declaration

```
public const RVSchemaColumnType DateTime
```

Field Value

TYPE	DESCRIPTION
RVSchemaColumnType	

Number

Numeric data type, including integer and floating-point values.

Declaration

```
public const RVSchemaColumnType Number
```

Field Value

TYPE	DESCRIPTION
RVSchemaColumnType	

Text

String data type

Declaration

```
public const RVSchemaColumnType Text
```

Field Value

TYPE	DESCRIPTION
RVSchemaColumnType	

Time

Only time data type

Declaration

```
public const RVSchemaColumnType Time
```

Field Value

TYPE	DESCRIPTION
RVSchemaColumnType	

value__

Declaration

```
public int value__
```

Field Value

TYPE	DESCRIPTION
System.Int32	

Class RVSharePointAuthenticationMethod

Sharepoint authentication methods

Inheritance

System.Object

RVSharePointAuthenticationMethod

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public sealed class RVSharePointAuthenticationMethod : Enum
```

Fields

Form

Forms based authentication

Declaration

```
public const RVSharePointAuthenticationMethod Form
```

Field Value

TYPE	DESCRIPTION
RVSharePointAuthenticationMethod	

Office365

Office 365 authentication

Declaration

```
public const RVSharePointAuthenticationMethod Office365
```

Field Value

TYPE	DESCRIPTION
RVSharePointAuthenticationMethod	

value__

Declaration

```
public int value__
```

Field Value

TYPE	DESCRIPTION
System.Int32	

WebLogin

Web based login authentication

Declaration

```
public const RVSharePointAuthenticationMethod WebLogin
```

Field Value

TYPE	DESCRIPTION
RVSharePointAuthenticationMethod	

Windows

Windows (NT) authentication

Declaration

```
public const RVSharePointAuthenticationMethod Windows
```

Field Value

TYPE	DESCRIPTION
RVSharePointAuthenticationMethod	

Class RVSharePointDataSource

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

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

TYPE	DESCRIPTION
System.String	

Class RVSharePointItemType

Sharepoint item type

Inheritance

System.Object

RVSharePointItemType

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public sealed class RVSharePointItemType : Enum
```

Fields

List

Sharepoint list

Declaration

```
public const RVSharePointItemType List
```

Field Value

TYPE	DESCRIPTION
RVSharePointItemType	

ListItem

Sharepoint list item

Declaration

```
public const RVSharePointItemType ListItem
```

Field Value

TYPE	DESCRIPTION
RVSharePointItemType	

People

Sharepoint people

Declaration

```
public const RVSharePointItemType People
```

Field Value

TYPE	DESCRIPTION
RVSharePointItemType	

Site

Sharepoint site or sub site

Declaration

```
public const RVSharePointItemType Site
```

Field Value

TYPE	DESCRIPTION
[RVSharePointItemType](#)	

value__

Declaration

```
public int value__
```

Field Value

TYPE	DESCRIPTION
System.Int32	

```
public const RVSharePointItemType Site
```

Field Value

TYPE	DESCRIPTION
[RVSharePointItemType](#)	

Class RVSharePointListDataSourceItem

Data source item to get data from a Sharepoint list

System.Object

RVDataSourceItem

RVBaseSharePointDataSourceItem

RVSharePointListDataSourceItem

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

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

TYPE	DESCRIPTION
System.String	

ListUrl

URL to the list

Declaration

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

Property Value

TYPE	DESCRIPTION
System.String	

View

Name of the view to use

Declaration

```
public string View { 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	

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

Namespace: **Reveal.Sdk**

Assembly: **Infragistics.Reveal.SDK.Server.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

Declaration

```
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

Inheritance

System.Object

RVDataSourceItem

RVBaseSharePointDataSourceItem

RVSharePointPeopleDataSourceItem

Implements

IRVResourceItem

Inherited Members

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

Namespace: **Reveal.Sdk**
Assembly: Infragistics.Reveal.SDK.Server.dll

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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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.

Inheritance

System.Object

RVDashboardDataSource

RVSqlBasedDataSource

RVSqlPDSDataSource

RVSnowflakeDataSource

Inherited Members

RVSqlPDSDataSource.ProcessDataOnServerDefaultValue

RVSqlPDSDataSource.ProcessDataOnServerReadOnly

RVSqlBasedDataSource.Host

RVSqlBasedDataSource.Port

RVDashboardDataSource.Id

RVDashboardDataSource.Title

RVDashboardDataSource.Subtitle

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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	

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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.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

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

Property Value

TYPE	DESCRIPTION
System.Int32	

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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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.

```
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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Inherited Members

RVSqlBasedDataSourceItem.Database

RVSqlBasedDataSourceItem.Table

RVSqlBasedDataSourceItem.CustomQuery

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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	

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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

Namespace: **Reveal.Sdk**

Assembly: **Infragistics.Reveal.SDK.Server.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](#).

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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

System.Object

RVDataSourceItem

RVSqlBasedDataSourceItem

RVSyBaseDataSourceItem

Inherited Members

RVSqlBasedDataSourceItem.Database

RVSqlBasedDataSourceItem.Table

RVSqlBasedDataSourceItem.CustomQuery

RVDataSourceItem.Title

RVDataSourceItem.Subtitle

RVDataSourceItem.Id

RVDataSourceItem.Description

RVDataSourceItem.DataSource

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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 RVUserContext

User context class that can be used to store additional information (properties) to the userId. This class is internally serialized from/to a "userId" string, the only information that can be returned for now in the SDK for the current user. To avoid breaking compatibility with previous releases we're introducing this class that can be used to encode additional information, that can be retrieved later by using FromString(String) passing the userId received from Reveal.

Inheritance

System.Object

RVUserContext

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public class RVUserContext : Object
```

Constructors

RVUserContext(String)

Declaration

```
public RVUserContext(string userId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	

RVUserContext(String, Dictionary<String, Object>)

Declaration

```
public RVUserContext(string userId, Dictionary<string, object> properties)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
System.Collections.Generic.Dictionary<System.String, System.Object>	properties	

Properties

Properties

Declaration

```
public Dictionary<string, object> Properties { get; }
```

Property Value

TYPE	DESCRIPTION
System.Collections.Generic.Dictionary<System.String, System.Object>	

UserId

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

Property Value

TYPE	DESCRIPTION
System.String	

Methods

FromString(String)

Declaration

```
public static RVUserContext FromString(string json)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	json	

Returns

TYPE	DESCRIPTION
RVUserContext	

GetProperty(String)

Declaration

```
public object GetProperty(string name)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	name	

Returns

TYPE	DESCRIPTION
System.Object	

ToString()

Declaration

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

Returns

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](#)

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVUsernamePasswordDataSourceCredential : Object, 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

Declaration

```
public RVUsernamePasswordDataSourceCredential(string userName, string password, string domain)
```

Parameters

TYPE	NAME	DESCRIPTION

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

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class RVVisualization : Object
```

Properties

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	

VisualizationType

The type of the visualization, one of: CHART, GAUGE, GRID, TREE_MAP, IMAGE, JS_EXTENSION, MAP, HEAT_MAP, SINGLE_ROW, INDICATOR, INDICATOR_TARGET, SPARKLINE, PIVOT

Declaration

```
public string VisualizationType { get; }
```

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

Namespace: **Reveal.Sdk**
Assembly: Infragistics.Reveal.SDK.Server.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	

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

Namespace: **Reveal.Sdk**

Assembly: Infragistics.Reveal.SDK.Server.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 SdkInMemoryIterator

Inheritance

System.Object

SdkInMemoryIterator

Namespace: Reveal.Sdk

Assembly: Infragistics.Reveal.SDK.Server.dll

Syntax

```
public class SdkInMemoryIterator : Object, 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	

Returns

TYPE	DESCRIPTION
System.Boolean	

Namespace Reveal.Sdk.AspNetCore

Classes

RVBaseUserContextProvider

Class to be used as the implementation of IAspNetUserContext when more information in addition to the userId is needed.

Interfaces

IAspNetUserContext

Interface to be implemented when a custom userId resolution mechanism needs to be implemented. The implementing class needs to be registered in the injection system. For example:

```
public void ConfigureServices(IServiceCollection services)
{
    ...
    services.AddSingleton<IAspNetUserContext>(myImplementation); // needs to be done before AddRevealServices
    ...
    services.AddRevealServices(...);
    ...
}
```

When no implementation of this class has been specified, the userId, wherever needed, is obtained from the supplied IRevealUserContext implementation.

Interface IAspNetUserContext

Interface to be implemented when a custom userId resolution mechanism needs to be implemented. The implementing class needs to be registered in the injection system. For example:

```
public void ConfigureServices(IServiceCollection services)
{
    ...
    services.AddSingleton<IAspNetUserContext>(myImplementation); // needs to be done before AddRevealServices
    ...
    services.AddRevealServices(...);
    ...
}
```

When no implementation of this class has been specified, the userId, wherever needed, is obtained from the supplied IRevealUserContext implementation.

Namespace: Reveal.Sdk.AspNetCore

Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public interface IAspNetUserContext
```

Methods

GetUserId(HttpContext)

A method that should extract the userId from the aspNetContext.

Declaration

```
string GetUserId(HttpContext aspnetContext)
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.AspNetCore.Http.HttpContext	aspnetContext	

Returns

TYPE	DESCRIPTION
System.String	The userId string.

Class RVBaseUserContextProvider

Class to be used as the implementation of [IAspNetUserContext](#) when more information in addition to the userId is needed.

Inheritance

System.Object

RVBaseUserContextProvider

Implements

[IAspNetUserContext](#)

Namespace: **Reveal.Sdk.AspNetCore**

Assembly: Infragistics.Reveal.SDK.WebAPI.dll

Syntax

```
public abstract class RVBaseUserContextProvider : Object, IAspNetUserContext
```

Examples

Usage:

```
public void ConfigureServices(IServiceCollection services)
{
    ...
    services.AddSingleton<IAspNetUserContext>(myImplementation); // needs to be done before AddRevealServices
    ...
    services.AddRevealServices(...);
    ...
}
```

Constructors

RVBaseUserContextProvider()

Declaration

```
protected RVBaseUserContextProvider()
```

Methods

GetUserContext(HttpContext)

Declaration

```
protected abstract RVUserContext GetUserContext(HttpContext aspnetContext)
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.AspNetCore.Http.HttpContext	aspnetContext	

Returns

TYPE	DESCRIPTION
[RVUserContext](#)	

GetUserId(HttpContext)

Declaration

```
public string GetUserId(HttpContext aspnetContext)
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.AspNetCore.Http.HttpContext	aspnetContext	

Returns

TYPE	DESCRIPTION
System.String	

Implements

IAspNetUserContext

```
public string GetUserId(HttpContext aspnetContext)
```

Parameters

TYPE	NAME	DESCRIPTION
Microsoft.AspNetCore.Http.HttpContext	aspnetContext	