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Dashboard View Model

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Instantiate the `DashboardViewModel` class found within the `InfoArch.Web.Mvc.Dashboard` namespace, allows us to configure all settings that the dashboard component require. This class facilitates the configuration of dashboard settings, encompassing tasks such as establishing database connections and configuring link for the save of status and link for the execution of drill-through reports.

Constructors

Name	Description
DashboardViewModel()	Initializes a new instance of the `DashboardViewModel` class.
DashboardViewModel(parameters)	Initializes a new instance of the `DashboardViewModel` class.

DashboardViewModel() Constructor

This is the default constructor for the `DashboardViewModel` class, which creates a new instance and initializes all properties to their default values.

DashboardViewModel(parameters) Constructor

This is the main constructor, it has the following parameters:

Parameter	Type	Description
memoryStream	MemoryStream	Represents in-memory data flow for a dashboard definition (.dDashX).
connectionString	string	The connection string used by the component to retrieve its data. See connection strings.
dashboardId	string	Definition Identifier
filterComponentParentId	string	HTML identifier of the parent element where the filter component is included, if no filters are included. It may be empty
fullGridControllerActionPath	string	A String object that specifies the absolute path where the application is hosted to perform the build of the internal paths handle by the component. The recommended path could be the following: `HttpContext.Request.Url.AbsolutePat`
drillThroughControllerAction	string	A String object that specifies the controlle action method to perform the drill-throug execution.
saveDashboardControllerAction	string	A String object that specifies the controlle action method to perform the save state action.
htmlFormId	string	Form Identifier of the element containing the dashboard component.
useNewExportToImagePro	bool	true, to enable the export to image pro mode; otherwise, false.
excelXlsxExportControllerAction	string	A String object that specifies the controlle action method to perform the Excel

Parameter	Type	Description
		exportation action.

Methods

SetState

Sets the state of the dashboard. It receives a `DRevealDataStructure` object with the current state of the Dashboard component.

Definition

```
public void SetState(DRevealDataStructure dashboardState)
```

SetParameters

Sets the global parameters the parameters can be created in the dashboard definition from its designer, and assigned from the web dashboard component programmatically. It receives a `ParameterItems` object provided by the hosting application.

Definition

```
public void SetParameters(ParameterItems userParameters)
```

SetCulture

Sets culture and receives a `CultureInfo` object provided by the hosting application.

Definition

```
public void SetCulture(CultureInfo clientCulture)
```

LoadDataDrillThrough

Loads the Drill-Through structure when the action execcuted is **perform Drill-Through** on dashboard component. It receives a `string` object that has parameters required for build it.

Definition

```
public void LoadDataDrillThrough(string drillThroughParameters)
```

Serialize

Serializes all structures needed to save dashboard component status.

Definition

```
public string Serialize()
```

Returns `string` object encrypted.

AssignUserCustomizationDefinitionModel

Assigns the user customization definition model. It receives an encrypted `string` object, which is the result of the `Serialize` method.

Definition

```
public void AssignUserCustomizationDefinitionModel(string userCustomization)
```

UpdateCustomization

Updates the user customization properties, including applied filters and conditions within the dashboard component.

Definition

```
public void UpdateCustomization()
```

SetCleanColumnsOption

Sets the setting to remove unused columns in the database query generated by the dashboard component.

Definition

```
public void SetCleanColumnsOption(bool clean)
```

EnablePivotExportExcelObject

Enables or disables a value to indicate whether the pivot export Excel object is enabled to export by the dashboard component.

Definition

```
public void EnablePivotExportExcelObject(bool enable)
```

LoadInitialConfiguration

The `LoadInitialConfiguration` method in `DashboardViewModel` initializes the configuration and prepare the all properties required by the dashboard component.

Example

```
 1  DashboardViewModel viewModel = new DashboardViewModel(
 2      memoryStream: fileStream,
 3      connectionString: " Data Source=MyServer; Initial Catalog=myDatabase;
    User ID=myUser; Password=myPassword",
 4      dashboardId: "dashboard_id",
 5      htmlFormId: "main_form",
 6      fullGridControllerActionPath: HttpContext.Request.Url.AbsolutePath,
 7      useNewExportToImagePro: true,
 8      filterComponentParentId: string.Empty,
 9      drillThroughControllerAction: string.Empty,
10      saveDashboardControllerAction: string.Empty,
11      excelXlsxExportControllerAction: string.Empty
12  );
13
14  viewModel.LoadInitialConfiguration();
```