

HMI pro BECKHOFF TWINCAT 3

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DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ PlcLed.g.i.cs	297
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DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ AlarmsWindow - Copy.g.i.cs	299
DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ AlarmsWindow.g.cs	299
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DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ LoadingWindow.g.i.cs	300
DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ LoginWindow - Copy.g.i.cs	300
DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ LoginWindow.g.cs	301
DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ LoginWindow.g.i.cs	301
DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ NewProject - Copy.g.i.cs	301
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DP_BeckhoffTwincat3/TwincatService/obj/Debug/ TemporaryGeneratedFile_5937a670-0e60-4077- 877b-f7221da3dda1.cs	252
DP_BeckhoffTwincat3/TwincatService/obj/Debug/ TemporaryGeneratedFile_E7A71F73-0F8D-4B9B-↵ B56E-8E70B10BC5D3.cs	252
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Chapter 5

Namespace Documentation

5.1 DbService Namespace Reference

Classes

- interface **ISqliteService**
- class **SqliteService**

5.2 DP_BeckhoffTwincat3 Namespace Reference

Namespaces

- namespace **Properties**

Classes

- class **App**
Interaction logic for App.xaml
- class **Bootstrapper**
- class **MainWindow**
MainWindow (p. 116)
- class **NewProject**
NewProject (p. 124)
- class **Shell**
Shell (p. 187)
- class **ViewModelMainWindow**

5.3 DP_BeckhoffTwincat3.Properties Namespace Reference

Classes

- class **Resources**
A strongly-typed resource class, for looking up localized strings, etc.
- class **Settings**

5.4 DP_BeckhoffTwincat3_Runner Namespace Reference

Namespaces

- namespace **Properties**

Classes

- class **App**
Interaction logic for App.xaml
- class **Bootstrapper**
- class **MainWindow**
MainWindow (p. 118)
- class **ViewModelMainWindow**

5.5 DP_BeckhoffTwincat3_Runner.Properties Namespace Reference

Classes

- class **Resources**
A strongly-typed resource class, for looking up localized strings, etc.
- class **Settings**

5.6 ModuleProperty Namespace Reference

Classes

- class **ModuleProperty**
- class **ObjectToVisibility**
- class **ViewModelProperty**
- class **ViewProperty**
ViewProperty (p. 230)

5.7 ModuleSolutionExplorer Namespace Reference

Classes

- class **ModuleSolutionExplorer**
- class **ViewModelSolutionExplorer**
- class **ViewSolutionExplorer**
ViewSolutionExplorer (p. 232)

5.8 ModuleToolbox Namespace Reference

Classes

- class **ModuleToolbox**
- class **PlcButton**
PlcButton (p. 147)
- class **Toolbox**
- class **ToolboxItem**
- class **ViewModelToolbox**
- class **ViewToolbox**
ViewToolbox (p. 233)

5.9 ModuleWorkSpace Namespace Reference

Classes

- class **ModuleWorkSpace**
- class **ViewModelWorkSpace**
- class **ViewWorkSpace**
ViewWorkSpace (p. 234)

5.10 ObjectLibrary Namespace Reference

Namespaces

- namespace **Controls**

Classes

- class **Agitator**
Interaction logic for Agitator.xaml
- class **Alarm**
- class **AlarmHeader**
Interaction logic for AlarmHeader.xaml
- class **Alarms**
Interaction logic for Alarms.xaml
- class **AlarmsModel**
- class **AlarmsWindow**
AlarmsWindow (p. 41)
- class **AmsNetId**
AmsNetId (p. 43)
- class **ApplicationCommands**
- class **Chart**
Interaction logic for Chart.xaml
- class **ColorToSolidColorBrushValueConverter**
- class **Content**

Interaction logic for Content.xaml

- class **ControlBase**
- class **DataChangeEvent**
- class **Design**
- class **DeviceSpace**

DeviceSpace (p. 69)

- class **Device**
- Device* (p. 70)
- class **DeviceChangeEvent**
- class **DeviceControl**

Interaction logic for Device.xaml

- class **DeviceFolder**
- class **Devices**
- class **DevicesEvent**
- class **DeviceSpace**

DeviceSpace (p. 79)

- class **DragObject**
- class **DragThumb**
- class **EnumConverter**
- interface **IApplicationCommands**
- interface **IGroupable**
- interface **ISelectable**
- class **Item**
- class **Journal**

Interaction logic for Journal.xaml

- class **JournalModel**
- class **JournalValue**
- class **LoadingWindow**

LoadingWindow (p. 109)

- class **Login**

Interaction logic for Login.xaml

- class **LoginWindow**

LoginWindow (p. 115)

- class **Menu**
- class **NewProject**

NewProject (p. 125)

- class **ObjectProperties**
- class **PageButton**

Interaction logic for PlcButton.xaml

- class **Pages**
- class **Pipel**

Interaction logic for PipeL.xaml

- class **PipeL**

Interaction logic for PipeL.xaml

- class **PipeSensor**

PipeSensor (p. 143)

- class **PipeT**

Interaction logic for PipeT.xaml

- class **PlcButton**

Interaction logic for PlcButton.xaml

- class **PlcLabel**

Interaction logic for PlcLabel.xaml

- class **PlcLed**
Interaction logic for PlcLed.xaml
- class **PlcNumericEdit**
Interaction logic for PlcNumericEdit.xaml
- class **ProcessJournal**
- class **ProjectSolution**
- class **Properties**
- class **PropertyObject**
- class **PropertyObjectEvent**
- class **Pump**
Interaction logic for Pump.xaml
- class **ReadColor**
- class **RelayCommand**
- class **ResizeThumb**
- class **RubberbandAdorner**
- class **Screen**
- class **ScreenFolder**
- class **SelectionService**
- class **Sensor**
Interaction logic for Sensor.xaml
- class **StringEvent**
- class **Tab**
- class **TabEvent**
- class **Tank**
Interaction logic for Tank.xaml
- class **Test**
Test (p. 197)
- class **TextToBool**
- class **ToolboxEA**
- class **User**
- class **UserChangeEvent**
- class **UserLoginEvent**
- class **UserWindow**
UserWindow (p. 206)
- class **ValueColor**
- class **ValueToText**
- class **Valve2**
Interaction logic for Valve2.xaml
- class **Valve3**
Valve3 (p. 213)
- class **VisuMenu**
Interaction logic for Menu.xaml
- class **WorkSpace**
- class **WriteDataChangeEvent**

Enumerations

- enum **Action** { **Action.None**, **Action.Add**, **Action.Remove** }
- enum **TabTyp** { **TabTyp.None**, **TabTyp.Screen**, **TabTyp.Design** }
- enum **AlarmsLevel** { **AlarmsLevel.Unknown**, **AlarmsLevel.Information**, **AlarmsLevel.Warning**, **AlarmsLevel.Error** }
- enum **UserLevels** { **UserLevels.None**, **UserLevels.Operator**, **UserLevels.Technical**, **UserLevels.Technologist**, **UserLevels.Admin** }

5.10.1 Enumeration Type Documentation

5.10.1.1 Action

```
enum ObjectLibrary.Action [strong]
```

Enumerator

None	
Add	
Remove	

5.10.1.2 AlarmsLevel

```
enum ObjectLibrary.AlarmsLevel [strong]
```

Enumerator

Unknown	
Information	
Warning	
Error	

5.10.1.3 TabTyp

```
enum ObjectLibrary.TabTyp [strong]
```

Enumerator

None	
Screen	
Design	

5.10.1.4 UserLevels

```
enum ObjectLibrary.UserLevels [strong]
```


Enumerator

None	
Operator	
Technical	
Technologist	
Admin	

5.11 ObjectLibrary.Controls Namespace Reference

Namespaces

- namespace **Toolbox**
- namespace **WorkSpace**

5.12 ObjectLibrary.Controls.Toolbox Namespace Reference

Classes

- class **Device**
Device (p. 71)

5.13 ObjectLibrary.Controls.WorkSpace Namespace Reference

Classes

- class **WorkSpace1**
WorkSpace1 (p. 243)

5.14 TwincatService Namespace Reference

Classes

- interface **ITCService**
- class **TCSERVICE**
- class **TwincatDevice**
- struct **TwincatVariables**

5.15 Wpf Namespace Reference

Namespaces

- namespace **CartesianChart**

5.16 Wpf.CartesianChart Namespace Reference

Namespaces

- namespace **ConstantChanges**

5.17 Wpf.CartesianChart.ConstantChanges Namespace Reference

Classes

- class **MeasureModel**

5.18 XamlGeneratedNamespace Namespace Reference

Classes

- class **GeneratedInternalTypeHelper**
GeneratedInternalTypeHelper (p. 82)

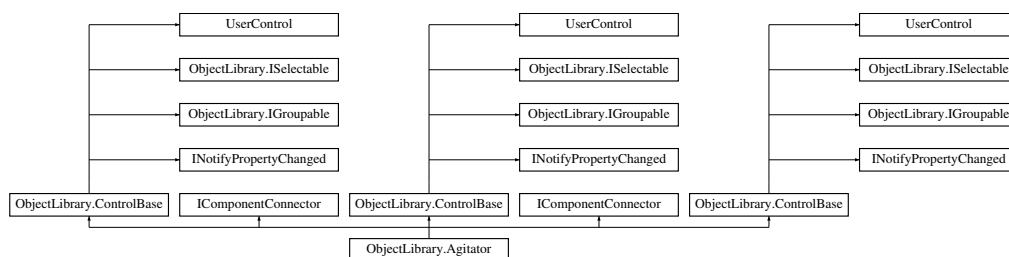
Chapter 6

Class Documentation

6.1 ObjectLibrary.Agitator Class Reference

Interaction logic for Agitator.xaml

Inheritance diagram for ObjectLibrary.Agitator:



Public Member Functions

- **Agitator** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- int **Rotation** [get, set]
- Device **Device** [get, set]
- string **ReadVariable** [get, set]
- string **ReadError** [get, set]
- object **ReadValue** [get, set]
- object **ReadErrorValue** [get, set]
- List< **ValueColor** > **RunColor** [get, set]

Additional Inherited Members

6.1.1 Detailed Description

Interaction logic for Agitator.xaml

Agitator (p. 27)

6.1.2 Constructor & Destructor Documentation

6.1.2.1 Agitator()

`ObjectLibrary.Agitator.Agitator ()`

6.1.3 Member Function Documentation

6.1.3.1 InitializeComponent() [1/2]

`void ObjectLibrary.Agitator.InitializeComponent ()`

`InitializeComponent`

6.1.3.2 InitializeComponent() [2/2]

`void ObjectLibrary.Agitator.InitializeComponent ()`

`InitializeComponent`

6.1.4 Property Documentation

6.1.4.1 BackColor

`Color ObjectLibrary.Agitator.BackColor [get], [set]`

6.1.4.2 Device

Device ObjectLibrary.Agitator.Device [get], [set]

6.1.4.3 LeftShift

double ObjectLibrary.Agitator.LeftShift [get], [set]

6.1.4.4 ObjectHeight

double ObjectLibrary.Agitator.ObjectHeight [get], [set]

6.1.4.5 ObjectWidth

double ObjectLibrary.Agitator.ObjectWidth [get], [set]

6.1.4.6 ReadError

string ObjectLibrary.Agitator.ReadError [get], [set]

6.1.4.7 ReadErrorValue

object ObjectLibrary.Agitator.ReadErrorValue [get], [set]

6.1.4.8 ReadValue

object ObjectLibrary.Agitator.ReadValue [get], [set]

6.1.4.9 ReadVariable

string ObjectLibrary.Agitator.ReadVariable [get], [set]

6.1.4.10 Rotation

```
int ObjectLibrary.Agitator.Rotation [get], [set]
```

6.1.4.11 RunColor

```
List< ValueColor> ObjectLibrary.Agitator.RunColor [get], [set]
```

6.1.4.12 TopShift

```
double ObjectLibrary.Agitator.TopShift [get], [set]
```

6.1.4.13 Typ

```
string ObjectLibrary.Agitator.Typ [get]
```

6.1.4.14 ZIndex

```
int ObjectLibrary.Agitator.ZIndex [get], [set]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Industrial/ **Agitator.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Agitator.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Agitator.g.i.cs**

6.2 ObjectLibrary.Alarm Class Reference

Properties

- **ProjectSolution Parent** [get, set]

6.2.1 Property Documentation

6.2.1.1 Parent

ProjectSolution ObjectLibrary.Alarm.Parent [get], [set]

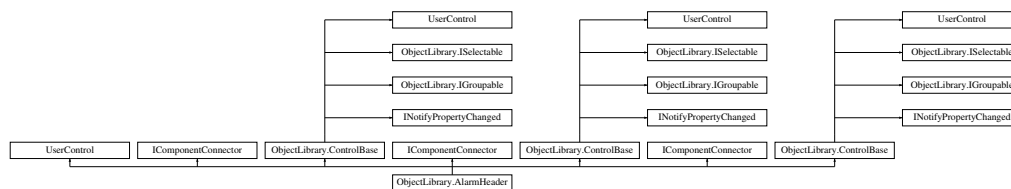
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ **Alarm.cs**

6.3 ObjectLibrary.AlarmHeader Class Reference

Interaction logic for AlarmHeader.xaml

Inheritance diagram for ObjectLibrary.AlarmHeader:



Public Member Functions

- **AlarmHeader** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Public Attributes

- string **ProjectPath**

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- HorizontalAlignment **Horizontal** [get, set]
- VerticalAlignment **Vertical** [get, set]

- string **Text** [get, set]
- Color **ForeColor** [get, set]
- FontFamily **Font_Family** [get, set]
- double **Font_Size** [get, set]
- FontStyle **Font_Style** [get, set]
- FontWeight **Font_Weight** [get, set]
- **Device Device** [get, set]
- string **AlarmList** [get, set]
- string **ReadVariable** [get, set]
- object **ReadValue** [get, set]
- List< object > **Value** [get, set]

Additional Inherited Members

6.3.1 Detailed Description

Interaction logic for AlarmHeader.xaml

AlarmHeader (p. 31)

6.3.2 Constructor & Destructor Documentation

6.3.2.1 AlarmHeader()

```
ObjectLibrary.AlarmHeader.AlarmHeader ( )
```

6.3.3 Member Function Documentation

6.3.3.1 InitializeComponent() [1/3]

```
void ObjectLibrary.AlarmHeader.InitializeComponent ( )
```

InitializeComponent

6.3.3.2 InitializeComponent() [2/3]

```
void ObjectLibrary.AlarmHeader.InitializeComponent ( )
```

InitializeComponent

6.3.3.3 InitializeComponent() [3/3]

```
void ObjectLibrary.AlarmHeader.InitializeComponent ( )
```

InitializeComponent

6.3.4 Member Data Documentation

6.3.4.1 ProjectPath

```
string ObjectLibrary.AlarmHeader.ProjectPath
```

6.3.5 Property Documentation

6.3.5.1 AlarmList

```
string ObjectLibrary.AlarmHeader.AlarmList [get], [set]
```

6.3.5.2 BackColor

```
Color ObjectLibrary.AlarmHeader.BackColor [get], [set]
```

6.3.5.3 Border_Color

```
Color ObjectLibrary.AlarmHeader.Border_Color [get], [set]
```

6.3.5.4 Border_Thickness

```
int ObjectLibrary.AlarmHeader.Border_Thickness [get], [set]
```

6.3.5.5 Device

Device ObjectLibrary.AlarmHeader.Device [get], [set]

6.3.5.6 Font_Family

FontFamily ObjectLibrary.AlarmHeader.Font_Family [get], [set]

6.3.5.7 Font_Size

double ObjectLibrary.AlarmHeader.Font_Size [get], [set]

6.3.5.8 Font_Style

FontStyle ObjectLibrary.AlarmHeader.Font_Style [get], [set]

6.3.5.9 Font_Weight

FontWeight ObjectLibrary.AlarmHeader.Font_Weight [get], [set]

6.3.5.10 ForeColor

Color ObjectLibrary.AlarmHeader.ForeColor [get], [set]

6.3.5.11 Horizontal

HorizontalAlignment ObjectLibrary.AlarmHeader.Horizontal [get], [set]

6.3.5.12 LeftShift

double ObjectLibrary.AlarmHeader.LeftShift [get], [set]

6.3.5.13 ObjectHeight

double ObjectLibrary.AlarmHeader.ObjectHeight [get], [set]

6.3.5.14 ObjectWidth

double ObjectLibrary.AlarmHeader.ObjectWidth [get], [set]

6.3.5.15 ReadValue

object ObjectLibrary.AlarmHeader.ReadValue [get], [set]

6.3.5.16 ReadVariable

string ObjectLibrary.AlarmHeader.ReadVariable [get], [set]

6.3.5.17 Text

string ObjectLibrary.AlarmHeader.Text [get], [set]

6.3.5.18 TopShift

double ObjectLibrary.AlarmHeader.TopShift [get], [set]

6.3.5.19 Typ

string ObjectLibrary.AlarmHeader.Typ [get]

6.3.5.20 Value

List<object> ObjectLibrary.AlarmHeader.Value [get], [set]

6.3.5.21 Vertical

```
VerticalAlignment ObjectLibrary.AlarmHeader.Vertical [get], [set]
```

6.3.5.22 ZIndex

```
int ObjectLibrary.AlarmHeader.ZIndex [get], [set]
```

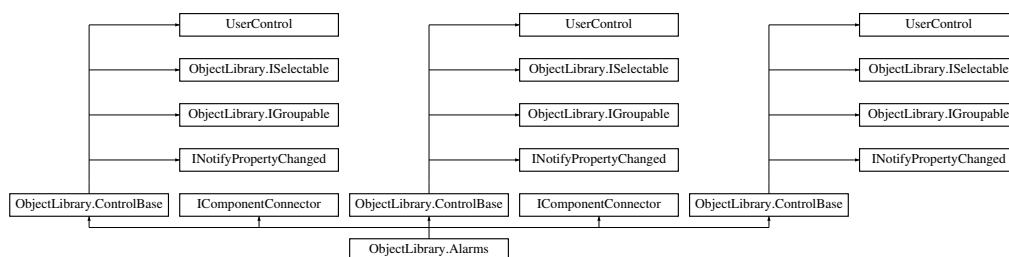
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/DesignSpace/Controls/ **AlarmHeader.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/ **AlarmHeader.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/ **AlarmHeader.g.i.cs**

6.4 ObjectLibrary.Alarms Class Reference

Interaction logic for Alarms.xaml

Inheritance diagram for ObjectLibrary.Alarms:



Public Member Functions

- **Alarms ()**
- void **InitializeComponent ()**
InitializeComponent
- void **InitializeComponent ()**
InitializeComponent

Public Attributes

- string **ProjectPath**

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- int **Rotation** [get, set]
- **Device Device** [get, set]
- string **ReadVariable** [get, set]
- string **AlarmList** [get, set]
- object **ReadValue** [get, set]
- ObservableCollection< **AlarmsModel** > **Value** [get, set]

Additional Inherited Members

6.4.1 Detailed Description

Interaction logic for Alarms.xaml

Alarms (p. 36)

6.4.2 Constructor & Destructor Documentation

6.4.2.1 Alarms()

```
ObjectLibrary.Alarms.Alarms ( )
```

6.4.3 Member Function Documentation

6.4.3.1 InitializeComponent() [1/2]

```
void ObjectLibrary.Alarms.InitializeComponent ( )
```

InitializeComponent

6.4.3.2 InitializeComponent() [2/2]

```
void ObjectLibrary.Alarms.InitializeComponent ( )
```

InitializeComponent

6.4.4 Member Data Documentation

6.4.4.1 ProjectPath

```
string ObjectLibrary.Alarms.ProjectPath
```

6.4.5 Property Documentation

6.4.5.1 AlarmList

```
string ObjectLibrary.Alarms.AlarmList [get], [set]
```

6.4.5.2 BackColor

```
Color ObjectLibrary.Alarms.BackColor [get], [set]
```

6.4.5.3 Device

```
Device ObjectLibrary.Alarms.Device [get], [set]
```

6.4.5.4 LeftShift

```
double ObjectLibrary.Alarms.LeftShift [get], [set]
```

6.4.5.5 ObjectHeight

double ObjectLibrary.Alarms.ObjectHeight [get], [set]

6.4.5.6 ObjectWidth

double ObjectLibrary.Alarms.ObjectWidth [get], [set]

6.4.5.7 ReadValue

object ObjectLibrary.Alarms.ReadValue [get], [set]

6.4.5.8 ReadVariable

string ObjectLibrary.Alarms.ReadVariable [get], [set]

6.4.5.9 Rotation

int ObjectLibrary.Alarms.Rotation [get], [set]

6.4.5.10 TopShift

double ObjectLibrary.Alarms.TopShift [get], [set]

6.4.5.11 Typ

string ObjectLibrary.Alarms.Typ [get]

6.4.5.12 Value

ObservableCollection< **AlarmsModel**> ObjectLibrary.Alarms.Value [get], [set]

6.4.5.13 ZIndex

```
int ObjectLibrary.Alarms.ZIndex [get], [set]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Diagnostic/ **Alarms.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/ **Alarms.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/ **Alarms.g.i.cs**

6.5 ObjectLibrary.AlarmsModel Class Reference

Properties

- int **ID** [get, set]
- string **Description** [get, set]
- string **IO** [get, set]
- **AlarmsLevel AlarmLevel** [get, set]

6.5.1 Property Documentation

6.5.1.1 AlarmLevel

```
AlarmsLevel ObjectLibrary.AlarmsModel.AlarmLevel [get], [set]
```

6.5.1.2 Description

```
string ObjectLibrary.AlarmsModel.Description [get], [set]
```

6.5.1.3 ID

```
int ObjectLibrary.AlarmsModel.ID [get], [set]
```

6.5.1.4 IO

```
string ObjectLibrary.AlarmsModel.IO [get], [set]
```

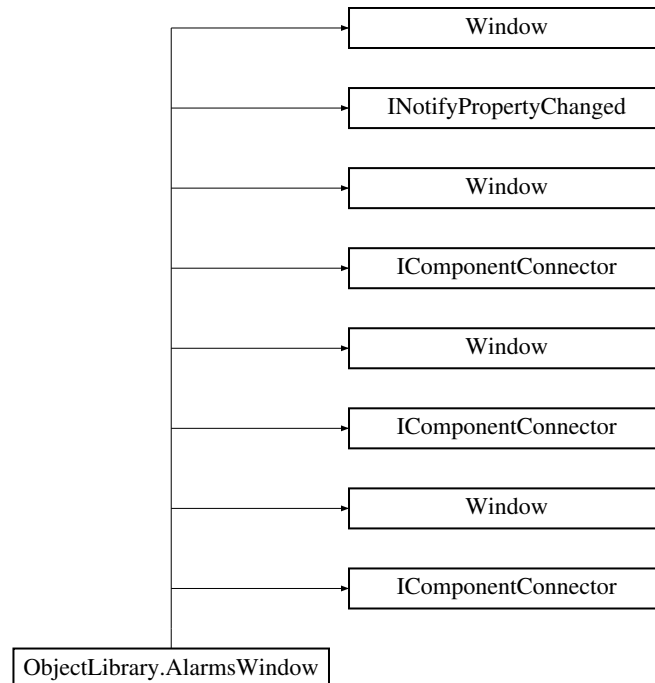
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Alarms/ **AlarmsModel.cs**

6.6 ObjectLibrary.AlarmsWindow Class Reference

AlarmsWindow (p. 41)

Inheritance diagram for ObjectLibrary.AlarmsWindow:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **AlarmsWindow** (string **ProjectPath**)

Public Attributes

- string **ProjectPath** = ""

Protected Member Functions

- void **Changed** (string propertyName)

Properties

- **RelayCommand RemoveCommand** [get]

Events

- PropertyChangedEventHandler **PropertyChanged**

6.6.1 Detailed Description

AlarmsWindow (p. 41)

Interaction logic for NewProject.xaml

6.6.2 Constructor & Destructor Documentation

6.6.2.1 AlarmsWindow()

```
ObjectLibrary.AlarmsWindow.AlarmsWindow (
    string ProjectPath )
```

6.6.3 Member Function Documentation

6.6.3.1 Changed()

```
void ObjectLibrary.AlarmsWindow.Changed (
    string propertyName ) [protected]
```

6.6.3.2 InitializeComponent() [1/3]

```
void ObjectLibrary.AlarmsWindow.InitializeComponent ( )
```

InitializeComponent

6.6.3.3 InitializeComponent() [2/3]

```
void ObjectLibrary.AlarmsWindow.InitializeComponent ( )
```

InitializeComponent

6.6.3.4 InitializeComponent() [3/3]

```
void ObjectLibrary.AlarmsWindow.InitializeComponent ( )
```

InitializeComponent

6.6.4 Member Data Documentation

6.6.4.1 ProjectPath

```
string ObjectLibrary.AlarmsWindow.ProjectPath = ""
```

6.6.5 Property Documentation

6.6.5.1 RemoveCommand

```
RelayCommand ObjectLibrary.AlarmsWindow.RemoveCommand [get]
```

6.6.6 Event Documentation

6.6.6.1 PropertyChanged

```
PropertyChangedEventHandler ObjectLibrary.AlarmsWindow.PropertyChanged
```

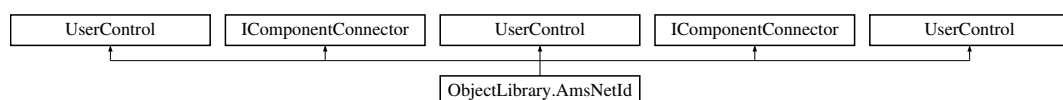
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **AlarmsWindow - Copy.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **AlarmsWindow.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **AlarmsWindow.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/Windows/ **AlarmsWindow.xaml.cs**

6.7 ObjectLibrary.AmsNetId Class Reference

AmsNetId (p. 43)

Inheritance diagram for ObjectLibrary.AmsNetId:



Public Member Functions

- **AmsNetId** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- string **NetId** [get]

6.7.1 Detailed Description

AmsNetId (p. 43)

6.7.2 Constructor & Destructor Documentation

6.7.2.1 AmsNetId()

`ObjectLibrary.AmsNetId.AmsNetId ()`

6.7.3 Member Function Documentation

6.7.3.1 InitializeComponent() [1/2]

`void ObjectLibrary.AmsNetId.InitializeComponent ()`

`InitializeComponent`

6.7.3.2 InitializeComponent() [2/2]

`void ObjectLibrary.AmsNetId.InitializeComponent ()`

`InitializeComponent`

6.7.4 Property Documentation

6.7.4.1 NetId

```
string ObjectLibrary.AmsNetId.NetId [get]
```

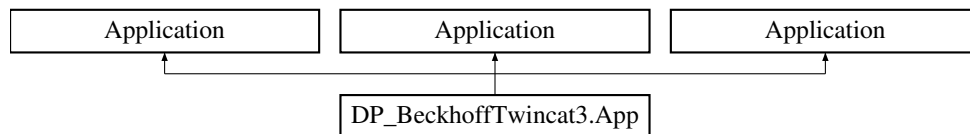
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/DevicesControl/ **AmsNetId.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DevicesControl/ **AmsNetId.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DevicesControl/ **AmsNetId.g.i.cs**

6.8 DP_BeckhoffTwincat3.App Class Reference

Interaction logic for App.xaml

Inheritance diagram for DP_BeckhoffTwincat3.App:



Static Public Member Functions

- static void **Main** ()
Application Entry Point.
- static void **Main** ()
Application Entry Point.

Protected Member Functions

- override void **OnStartup** (StartupEventArgs e)

6.8.1 Detailed Description

Interaction logic for App.xaml

App (p. 45)

6.8.2 Member Function Documentation

6.8.2.1 Main() [1/2]

```
static void DP_BeckhoffTwincat3.App.Main ( ) [static]
```

Application Entry Point.

6.8.2.2 Main() [2/2]

```
static void DP_BeckhoffTwincat3.App.Main ( ) [static]
```

Application Entry Point.

6.8.2.3 OnStartup()

```
override void DP_BeckhoffTwincat3.App.OnStartup (
    StartupEventArgs e ) [protected]
```

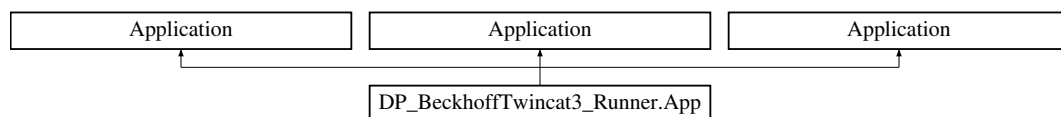
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/ **App.xaml.cs**
- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/ **App.g.cs**
- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/ **App.g.i.cs**

6.9 DP_BeckhoffTwincat3_Runner.App Class Reference

Interaction logic for App.xaml

Inheritance diagram for DP_BeckhoffTwincat3_Runner.App:

**Static Public Member Functions**

- static void **Main** ()
Application Entry Point.
- static void **Main** ()
Application Entry Point.

Protected Member Functions

- override void **OnStartup** (StartupEventArgs e)

6.9.1 Detailed Description

Interaction logic for App.xaml

App (p. 46)

6.9.2 Member Function Documentation

6.9.2.1 Main() [1/2]

```
static void DP_BeckhoffTwincat3_Runner.App.Main ( ) [static]
```

Application Entry Point.

6.9.2.2 Main() [2/2]

```
static void DP_BeckhoffTwincat3_Runner.App.Main ( ) [static]
```

Application Entry Point.

6.9.2.3 OnStartup()

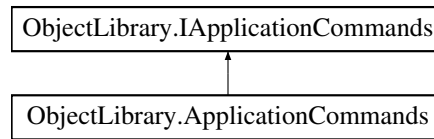
```
override void DP_BeckhoffTwincat3_Runner.App.OnStartup (
    StartupEventArgs e ) [protected]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/ **App.xaml.cs**
- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/ **App.g.cs**
- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/ **App.g.i.cs**

6.10 ObjectLibrary.ApplicationCommands Class Reference

Inheritance diagram for ObjectLibrary.ApplicationCommands:



Properties

- CompositeCommand **NewProject** [get]
- CompositeCommand **SaveProject** [get]
- CompositeCommand **OpenProject** [get]
- CompositeCommand **CloseProject** [get]
- CompositeCommand **CloseAllTab** [get]
- CompositeCommand **NewScreen** [get]
- CompositeCommand **BringForward** [get]
- CompositeCommand **BringToFront** [get]
- CompositeCommand **SendBackward** [get]
- CompositeCommand **SendToBack** [get]
- CompositeCommand **Group** [get]
- CompositeCommand **Ungroup** [get]
- CompositeCommand **Cut** [get]
- CompositeCommand **Copy** [get]
- CompositeCommand **Paste** [get]
- CompositeCommand **Delete** [get]
- CompositeCommand **SelectAll** [get]
- CompositeCommand **AlignTop** [get]
- CompositeCommand **AlignDown** [get]
- CompositeCommand **AlignLeft** [get]
- CompositeCommand **AlignRight** [get]
- CompositeCommand **Run** [get]
- CompositeCommand **Stop** [get]
- CompositeCommand **Default** [get]

6.10.1 Property Documentation

6.10.1.1 AlignDown

CompositeCommand ObjectLibrary.ApplicationCommands.AlignDown [get]

6.10.1.2 AlignLeft

CompositeCommand ObjectLibrary.ApplicationCommands.AlignLeft [get]

6.10.1.3 AlignRight

CompositeCommand ObjectLibrary.ApplicationCommands.AlignRight [get]

6.10.1.4 AlignTop

CompositeCommand ObjectLibrary.ApplicationCommands.AlignTop [get]

6.10.1.5 BringForward

CompositeCommand ObjectLibrary.ApplicationCommands.BringForward [get]

6.10.1.6 BringToFront

CompositeCommand ObjectLibrary.ApplicationCommands.BringToFront [get]

6.10.1.7 CloseAllTab

CompositeCommand ObjectLibrary.ApplicationCommands.CloseAllTab [get]

6.10.1.8 CloseProject

CompositeCommand ObjectLibrary.ApplicationCommands.CloseProject [get]

6.10.1.9 Copy

CompositeCommand ObjectLibrary.ApplicationCommands.Copy [get]

6.10.1.10 Cut

CompositeCommand ObjectLibrary.ApplicationCommands.Cut [get]

6.10.1.11 Default

CompositeCommand ObjectLibrary.ApplicationCommands.Default [get]

6.10.1.12 Delete

CompositeCommand ObjectLibrary.ApplicationCommands.Delete [get]

6.10.1.13 Group

CompositeCommand ObjectLibrary.ApplicationCommands.Group [get]

6.10.1.14 NewProject

CompositeCommand ObjectLibrary.ApplicationCommands.NewProject [get]

6.10.1.15 NewScreen

CompositeCommand ObjectLibrary.ApplicationCommands.NewScreen [get]

6.10.1.16 OpenProject

CompositeCommand ObjectLibrary.ApplicationCommands.OpenProject [get]

6.10.1.17 Paste

CompositeCommand ObjectLibrary.ApplicationCommands.Paste [get]

6.10.1.18 Run

CompositeCommand ObjectLibrary.ApplicationCommands.Run [get]

6.10.1.19 SaveProject

CompositeCommand ObjectLibrary.ApplicationCommands.SaveProject [get]

6.10.1.20 SelectAll

CompositeCommand ObjectLibrary.ApplicationCommands.SelectAll [get]

6.10.1.21 SendBackward

CompositeCommand ObjectLibrary.ApplicationCommands.SendBackward [get]

6.10.1.22 SendToBack

CompositeCommand ObjectLibrary.ApplicationCommands.SendToBack [get]

6.10.1.23 Stop

CompositeCommand ObjectLibrary.ApplicationCommands.Stop [get]

6.10.1.24 Ungroup

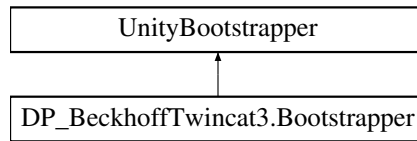
CompositeCommand ObjectLibrary.ApplicationCommands.Ungroup [get]

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Commands/ **ApplicationCommands.cs**

6.11 DP_BeckhoffTwincat3.Bootstrapper Class Reference

Inheritance diagram for DP_BeckhoffTwincat3.Bootstrapper:



Protected Member Functions

- override DependencyObject **CreateShell** ()
- override void **InitializeShell** ()
- override void **ConfigureModuleCatalog** ()
- override void **ConfigureContainer** ()

6.11.1 Member Function Documentation

6.11.1.1 ConfigureContainer()

```
override void DP_BeckhoffTwincat3.Bootstrapper.ConfigureContainer ( ) [protected]
```

6.11.1.2 ConfigureModuleCatalog()

```
override void DP_BeckhoffTwincat3.Bootstrapper.ConfigureModuleCatalog ( ) [protected]
```

6.11.1.3 CreateShell()

```
override DependencyObject DP_BeckhoffTwincat3.Bootstrapper.CreateShell ( ) [protected]
```

6.11.1.4 InitializeShell()

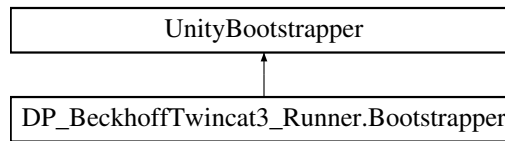
```
override void DP_BeckhoffTwincat3.Bootstrapper.InitializeShell ( ) [protected]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/ **Bootstrapper.cs**

6.12 DP_BeckhoffTwincat3_Runner.Bootstrapper Class Reference

Inheritance diagram for DP_BeckhoffTwincat3_Runner.Bootstrapper:



Protected Member Functions

- override DependencyObject **CreateShell** ()
Make main window class as Prism shell
- override void **InitializeShell** ()
Set the application's window to the current shell and display it
- override void **ConfigureModuleCatalog** ()
- override void **ConfigureContainer** ()

6.12.1 Member Function Documentation

6.12.1.1 ConfigureContainer()

```
override void DP_BeckhoffTwincat3_Runner.Bootstrapper.ConfigureContainer ( ) [protected]
```

6.12.1.2 ConfigureModuleCatalog()

```
override void DP_BeckhoffTwincat3_Runner.Bootstrapper.ConfigureModuleCatalog ( ) [protected]
```

6.12.1.3 CreateShell()

```
override DependencyObject DP_BeckhoffTwincat3_Runner.Bootstrapper.CreateShell ( ) [protected]
```

Make main window class as Prism shell

6.12.1.4 InitializeShell()

```
override void DP_BeckhoffTwincat3_Runner.Bootstrapper.InitializeShell ( ) [protected]
```

Set the application's window to the current shell and display it

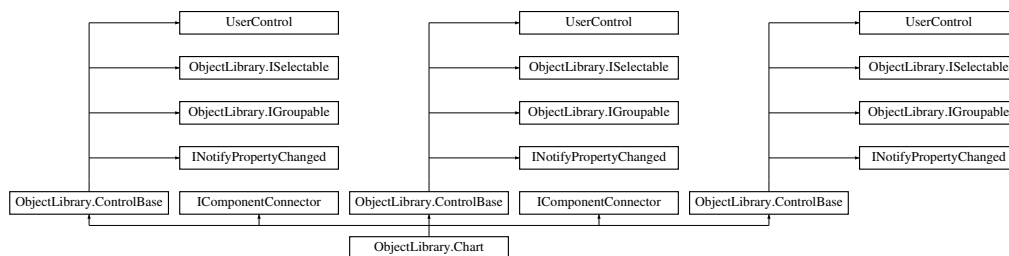
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/ **Bootstrapper.cs**

6.13 ObjectLibrary.Chart Class Reference

Interaction logic for Chart.xaml

Inheritance diagram for ObjectLibrary.Chart:



Public Member Functions

- **Chart** ()
- void **AddValues** (int index, double Value)
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- SeriesCollection **SeriesCollection** [get, set]
- ChartValues< **MeasureModel** > **ChartValues** [get, set]
- Func< double, string > **DateTimeFormatter** [get, set]
- double **AxisStep** [get, set]
- double **AxisUnit** [get, set]
- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **ForeColor** [get, set]
- FontFamily **Font_Family** [get, set]

- double **Font_Size** [get, set]
- FontStyle **Font_Style** [get, set]
- FontWeight **Font_Weight** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- int **Samples** [get, set]
- int **Period** [get, set]
- int **AxisStepInit** [get, set]
- **Device Device** [get, set]
- ObservableCollection< **ReadColor** > **ChartLines** [get, set]
- double **AxisMax** [get, set]
- double **AxisMin** [get, set]

Additional Inherited Members

6.13.1 Detailed Description

Interaction logic for Chart.xaml

Chart (p. 54)

6.13.2 Constructor & Destructor Documentation

6.13.2.1 Chart()

```
ObjectLibrary.Chart.Chart ( )
```

6.13.3 Member Function Documentation

6.13.3.1 AddValues()

```
void ObjectLibrary.Chart.AddValues (
    int index,
    double Value )
```

6.13.3.2 InitializeComponent() [1/2]

```
void ObjectLibrary.Chart.InitializeComponent ( )
```

InitializeComponent

6.13.3.3 InitializeComponent() [2/2]

```
void ObjectLibrary.Chart.InitializeComponent ( )
```

InitializeComponent

6.13.4 Property Documentation

6.13.4.1 AxisMax

```
double ObjectLibrary.Chart.AxisMax [get], [set]
```

6.13.4.2 AxisMin

```
double ObjectLibrary.Chart.AxisMin [get], [set]
```

6.13.4.3 AxisStep

```
double ObjectLibrary.Chart.AxisStep [get], [set]
```

6.13.4.4 AxisStepInit

```
int ObjectLibrary.Chart.AxisStepInit [get], [set]
```

6.13.4.5 AxisUnit

```
double ObjectLibrary.Chart.AxisUnit [get], [set]
```

6.13.4.6 BackColor

```
Color ObjectLibrary.Chart.BackColor [get], [set]
```


6.13.4.7 Border_Color

Color ObjectLibrary.Chart.Border_Color [get], [set]

6.13.4.8 Border_Thickness

int ObjectLibrary.Chart.Border_Thickness [get], [set]

6.13.4.9 ChartLines

ObservableCollection< **ReadColor**> ObjectLibrary.Chart.ChartLines [get], [set]

6.13.4.10 ChartValues

ChartValues< **MeasureModel**> ObjectLibrary.Chart.ChartValues [get], [set]

6.13.4.11 DateTimeFormatter

Func<double, string> ObjectLibrary.Chart.DateTimeFormatter [get], [set]

6.13.4.12 Device

Device ObjectLibrary.Chart.Device [get], [set]

6.13.4.13 Font_Family

FontFamily ObjectLibrary.Chart.Font_Family [get], [set]

6.13.4.14 Font_Size

double ObjectLibrary.Chart.Font_Size [get], [set]

6.13.4.15 Font_Style

FontStyle ObjectLibrary.Chart.Font_Style [get], [set]

6.13.4.16 Font_Weight

FontWeight ObjectLibrary.Chart.Font_Weight [get], [set]

6.13.4.17 ForeColor

Color ObjectLibrary.Chart.ForeColor [get], [set]

6.13.4.18 LeftShift

double ObjectLibrary.Chart.LeftShift [get], [set]

6.13.4.19 ObjectHeight

double ObjectLibrary.Chart.ObjectHeight [get], [set]

6.13.4.20 ObjectWidth

double ObjectLibrary.Chart.ObjectWidth [get], [set]

6.13.4.21 Period

int ObjectLibrary.Chart.Period [get], [set]

6.13.4.22 Samples

int ObjectLibrary.Chart.Samples [get], [set]

6.13.4.23 SeriesCollection

```
SeriesCollection ObjectLibrary.Chart.SeriesCollection [get], [set]
```

6.13.4.24 TopShift

```
double ObjectLibrary.Chart.TopShift [get], [set]
```

6.13.4.25 Typ

```
string ObjectLibrary.Chart.Typ [get]
```

6.13.4.26 ZIndex

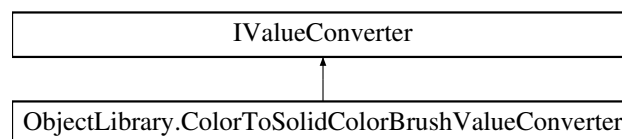
```
int ObjectLibrary.Chart.ZIndex [get], [set]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Standard/ **Chart.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ **Chart.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ **Chart.g.i.cs**

6.14 ObjectLibrary.ColorToSolidColorBrushValueConverter Class Reference

Inheritance diagram for ObjectLibrary.ColorToSolidColorBrushValueConverter:



Public Member Functions

- object **Convert** (object value, Type targetType, object parameter, CultureInfo culture)
- object **ConvertBack** (object value, Type targetType, object parameter, CultureInfo culture)

6.14.1 Member Function Documentation

6.14.1.1 Convert()

```
object ObjectLibrary.ColorToSolidColorBrushValueConverter.Convert (
    object value,
    Type targetType,
    object parameter,
    CultureInfo culture )
```

6.14.1.2 ConvertBack()

```
object ObjectLibrary.ColorToSolidColorBrushValueConverter.ConvertBack (
    object value,
    Type targetType,
    object parameter,
    CultureInfo culture )
```

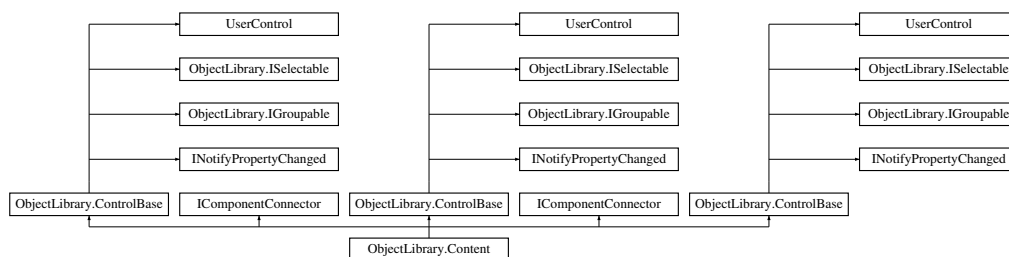
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Converter/ **ColorToSolidColorBrushValueConverter .cs**

6.15 ObjectLibrary.Content Class Reference

Interaction logic for Content.xaml

Inheritance diagram for ObjectLibrary.Content:



Public Member Functions

- **Content** ()
- void **AddChild** (UIElement child)
- void **ClearChildren** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]

Additional Inherited Members

6.15.1 Detailed Description

Interaction logic for Content.xaml

Content (p. 60)

6.15.2 Constructor & Destructor Documentation

6.15.2.1 Content()

```
ObjectLibrary.Content.Content ( )
```

6.15.3 Member Function Documentation

6.15.3.1 AddChild()

```
void ObjectLibrary.Content.AddChild (
    UIElement child )
```

6.15.3.2 ClearChildren()

```
void ObjectLibrary.Content.ClearChildren ( )
```

6.15.3.3 InitializeComponent() [1/2]

```
void ObjectLibrary.Content.InitializeComponent ( )
```

InitializeComponent

6.15.3.4 InitializeComponent() [2/2]

```
void ObjectLibrary.Content.InitializeComponent ( )
```

InitializeComponent

6.15.4 Property Documentation**6.15.4.1 BackColor**

```
Color ObjectLibrary.Content.BackColor [get], [set]
```

6.15.4.2 Border_Color

```
Color ObjectLibrary.Content.Border_Color [get], [set]
```

6.15.4.3 Border_Thickness

```
int ObjectLibrary.Content.Border_Thickness [get], [set]
```

6.15.4.4 LeftShift

```
double ObjectLibrary.Content.LeftShift [get], [set]
```

6.15.4.5 ObjectHeight

```
double ObjectLibrary.Content.ObjectHeight [get], [set]
```

6.15.4.6 ObjectWidth

```
double ObjectLibrary.Content.ObjectWidth [get], [set]
```

6.15.4.7 TopShift

```
double ObjectLibrary.Content.TopShift [get], [set]
```

6.15.4.8 Typ

```
string ObjectLibrary.Content.Typ [get]
```

6.15.4.9 ZIndex

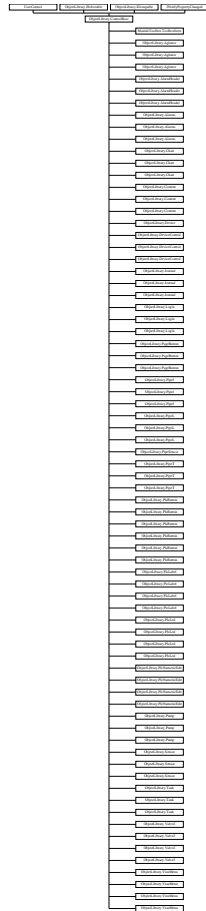
```
int ObjectLibrary.Content.ZIndex [get], [set]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/DesignSpace/Controls/ **Content.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/ **Content.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/ **Content.g.i.cs**

6.16 ObjectLibrary.ControlBase Class Reference

Inheritance diagram for ObjectLibrary.ControlBase:



Public Member Functions

- **ControlBase** ()
- **ControlBase** (Guid id)

Static Public Attributes

- static readonly DependencyProperty **ParentIDProperty** = DependencyProperty.Register("ParentID", typeof(Guid), typeof(**ControlBase**))
- static readonly DependencyProperty **IsGroupProperty**
- static readonly DependencyProperty **IsSelectedProperty**

Protected Member Functions

- void **Changed** (string propertyName)
- virtual void **OnWrite** (**WriteDataChangeEvent** e)
- override void **OnPreviewMouseDown** (MouseButtonEventArgs e)

Properties

- Guid **ID** [get]
- Guid **ParentID** [get, set]
- bool **IsGroup** [get, set]
- bool **IsSelected** [get, set]
- bool **Run** [get, set]

Events

- PropertyChangedEventHandler **PropertyChanged**
- EventHandler< **WriteDataChangeEvent** > **WriteChange** = delegate { }

6.16.1 Constructor & Destructor Documentation

6.16.1.1 ControlBase() [1/2]

```
ObjectLibrary.ControlBase.ControlBase ( )
```

6.16.1.2 ControlBase() [2/2]

```
ObjectLibrary.ControlBase.ControlBase (
    Guid id )
```

6.16.2 Member Function Documentation

6.16.2.1 Changed()

```
void ObjectLibrary.ControlBase.Changed (
    string propertyName ) [protected]
```

6.16.2.2 OnPreviewMouseDown()

```
override void ObjectLibrary.ControlBase.OnPreviewMouseDown (
    MouseButtonEventArgs e ) [protected]
```

6.16.2.3 OnWrite()

```
virtual void ObjectLibrary.ControlBase.OnWrite (
    WriteDataChangeEvent e ) [protected], [virtual]
```

6.16.3 Member Data Documentation

6.16.3.1 IsGroupProperty

readonly DependencyProperty ObjectLibrary.ControlBase.IsGroupProperty [static]

Initial value:

```
=  
    DependencyProperty.Register("IsGroup", typeof(bool), typeof(Item))
```

6.16.3.2 IsSelectedProperty

readonly DependencyProperty ObjectLibrary.ControlBase.IsSelectedProperty [static]

Initial value:

```
=  
    DependencyProperty.Register("IsSelected",  
                                typeof(bool),  
                                typeof(Item),  
                                new FrameworkPropertyMetadata(false))
```

6.16.3.3 ParentIDProperty

```
readonly DependencyProperty ObjectLibrary.ControlBase.ParentIDProperty = DependencyProperty.<-  
Register("ParentID", typeof(Guid), typeof( ControlBase)) [static]
```

6.16.4 Property Documentation

6.16.4.1 ID

Guid ObjectLibrary.ControlBase.ID [get]

6.16.4.2 IsGroup

```
bool ObjectLibrary.ControlBase.IsGroup [get], [set]
```

6.16.4.3 IsSelected

```
bool ObjectLibrary.ControlBase.IsSelected [get], [set]
```

6.16.4.4 ParentID

```
Guid ObjectLibrary.ControlBase.ParentID [get], [set]
```

6.16.4.5 Run

```
bool ObjectLibrary.ControlBase.Run [get], [set]
```

6.16.5 Event Documentation

6.16.5.1 PropertyChanged

```
PropertyChangedEventHandler ObjectLibrary.ControlBase.PropertyChanged
```

6.16.5.2 WriteChange

```
EventHandler< WriteDataChangeEvent> ObjectLibrary.ControlBase.WriteChange = delegate { }
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/ **ControlBase.cs**

6.17 ObjectLibrary.DataChangeEvent Class Reference

Properties

- string **DeviceName** [get, set]
- string **VariableName** [get, set]
- object **Data** [get, set]

6.17.1 Property Documentation

6.17.1.1 Data

```
object ObjectLibrary.DataChangeEvent.Data [get], [set]
```

6.17.1.2 DeviceName

```
string ObjectLibrary.DataChangeEvent.DeviceName [get], [set]
```

6.17.1.3 VariableName

```
string ObjectLibrary.DataChangeEvent.VariableName [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Device/ **DataChangeEvent.cs**

6.18 ObjectLibrary.Design Class Reference

Properties

- **ProjectSolution Parent** [get, set]
- **Workspace workspace** [get, set]

6.18.1 Property Documentation

6.18.1.1 Parent

```
ProjectSolution ObjectLibrary.Design.Parent [get], [set]
```

6.18.1.2 workSpace

WorkSpace ObjectLibrary.Design.workSpace [get], [set]

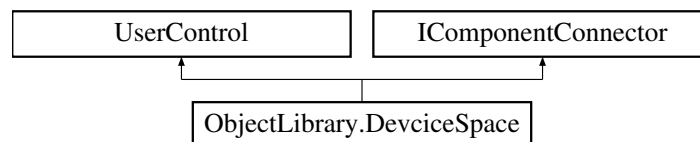
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ **Design.cs**

6.19 ObjectLibrary.DeviceSpace Class Reference

DevciceSpace (p. 69)

Inheritance diagram for ObjectLibrary.DeviceSpace:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

6.19.1 Detailed Description

DevciceSpace (p. 69)

6.19.2 Member Function Documentation

6.19.2.1 InitializeComponent()

```
void ObjectLibrary.DeviceSpace.InitializeComponent ( )
```

InitializeComponent

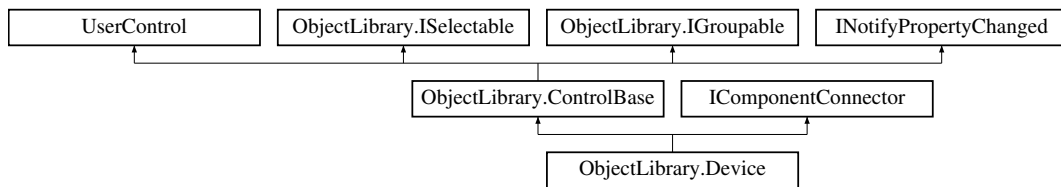
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DeviceSpace/ **DevciceSpace.g.i.cs**

6.20 ObjectLibrary.Device Class Reference

Device (p. 70)

Inheritance diagram for ObjectLibrary.Device:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

Properties

- string **Name** [get, set]
- string **AmsNetId** [get, set]
- **DeviceFolder Parent** [get, set]

Additional Inherited Members

6.20.1 Detailed Description

Device (p. 70)

6.20.2 Member Function Documentation

6.20.2.1 InitializeComponent()

```
void ObjectLibrary.Device.InitializeComponent ( )
```

InitializeComponent

6.20.3 Property Documentation

6.20.3.1 AmsNetId

```
string ObjectLibrary.Device.AmsNetId [get], [set]
```

6.20.3.2 Name

```
string ObjectLibrary.Device.Name [get], [set]
```

6.20.3.3 Parent

```
DeviceFolder ObjectLibrary.Device.Parent [get], [set]
```

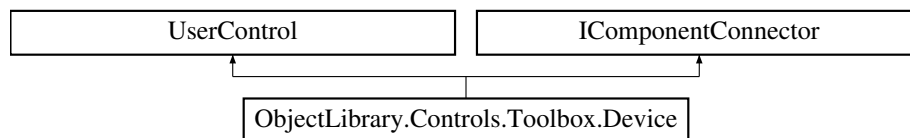
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ **Device.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/ **Device.g.i.cs**

6.21 ObjectLibrary.Controls.Toolbox.Device Class Reference

Device (p. 71)

Inheritance diagram for ObjectLibrary.Controls.Toolbox.Device:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

6.21.1 Detailed Description

Device (p. 71)

6.21.2 Member Function Documentation

6.21.2.1 InitializeComponent()

```
void ObjectLibrary.Controls.Toolbox.Device.InitializeComponent ( )
```

InitializeComponent

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/ **Device.g.i.cs**

6.22 ObjectLibrary.DeviceChangeEvent Class Reference

Properties

- string **DeviceName** [get, set]
- string **AdsState** [get, set]
- string **ConnectionState** [get, set]

6.22.1 Property Documentation

6.22.1.1 AdsState

```
string ObjectLibrary.DeviceChangeEvent.AdsState [get], [set]
```

6.22.1.2 ConnectionState

```
string ObjectLibrary.DeviceChangeEvent.ConnectionState [get], [set]
```

6.22.1.3 DeviceName

```
string ObjectLibrary.DeviceChangeEvent.DeviceName [get], [set]
```

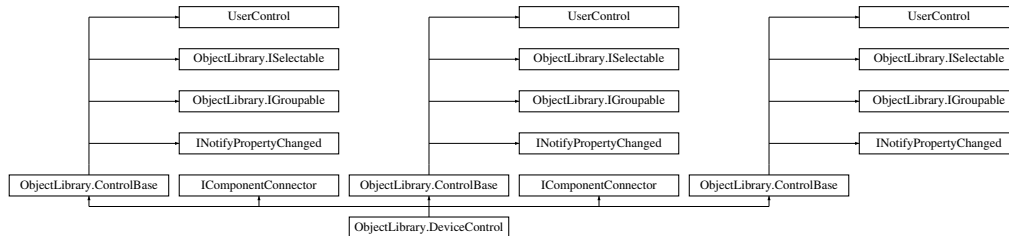
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Device/ **DeviceChangeEvent.cs**

6.23 ObjectLibrary.DeviceControl Class Reference

Interaction logic for Device.xaml

Inheritance diagram for ObjectLibrary.DeviceControl:



Public Member Functions

- **DeviceControl** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **ForeColor** [get, set]
- FontFamily **Font_Family** [get, set]
- double **Font_Size** [get, set]
- FontStyle **Font_Style** [get, set]
- FontWeight **Font_Weight** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- int **Rotation** [get, set]
- **Device Device** [get, set]
- string **ConnectionState** [get, set]
- string **ADSSState** [get, set]

Additional Inherited Members

6.23.1 Detailed Description

Interaction logic for Device.xaml

DeviceControl (p. 73)

6.23.2 Constructor & Destructor Documentation

6.23.2.1 DeviceControl()

`ObjectLibrary.DeviceControl.DeviceControl ()`

6.23.3 Member Function Documentation

6.23.3.1 InitializeComponent() [1/2]

`void ObjectLibrary.DeviceControl.InitializeComponent ()`

`InitializeComponent`

6.23.3.2 InitializeComponent() [2/2]

`void ObjectLibrary.DeviceControl.InitializeComponent ()`

`InitializeComponent`

6.23.4 Property Documentation

6.23.4.1 ADSSState

`string ObjectLibrary.DeviceControl.ADSSState [get], [set]`

6.23.4.2 BackColor

`Color ObjectLibrary.DeviceControl.BackColor [get], [set]`

6.23.4.3 Border_Color

Color ObjectLibrary.DeviceControl.Border_Color [get], [set]

6.23.4.4 Border_Thickness

int ObjectLibrary.DeviceControl.Border_Thickness [get], [set]

6.23.4.5 ConnectionState

string ObjectLibrary.DeviceControl.ConnectionState [get], [set]

6.23.4.6 Device

Device ObjectLibrary.DeviceControl.Device [get], [set]

6.23.4.7 Font_Family

FontFamily ObjectLibrary.DeviceControl.Font_Family [get], [set]

6.23.4.8 Font_Size

double ObjectLibrary.DeviceControl.Font_Size [get], [set]

6.23.4.9 Font_Style

FontStyle ObjectLibrary.DeviceControl.Font_Style [get], [set]

6.23.4.10 Font_Weight

FontWeight ObjectLibrary.DeviceControl.Font_Weight [get], [set]

6.23.4.11 ForeColor

Color ObjectLibrary.DeviceControl.ForeColor [get], [set]

6.23.4.12 LeftShift

double ObjectLibrary.DeviceControl.LeftShift [get], [set]

6.23.4.13 ObjectHeight

double ObjectLibrary.DeviceControl.ObjectHeight [get], [set]

6.23.4.14 ObjectWidth

double ObjectLibrary.DeviceControl.ObjectWidth [get], [set]

6.23.4.15 Rotation

int ObjectLibrary.DeviceControl.Rotation [get], [set]

6.23.4.16 TopShift

double ObjectLibrary.DeviceControl.TopShift [get], [set]

6.23.4.17 Typ

string ObjectLibrary.DeviceControl.Typ [get]

6.23.4.18 ZIndex

```
int ObjectLibrary.DeviceControl.ZIndex [get], [set]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Diagnostic/ **DeviceControl.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/ **DeviceControl.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/ **DeviceControl.g.i.cs**

6.24 ObjectLibrary.DeviceFolder Class Reference

Public Member Functions

- **DeviceFolder** ()

Properties

- **ProjectSolution Parent** [get, set]
- **ObservableCollection< Device > Devices** [get, set]

6.24.1 Constructor & Destructor Documentation

6.24.1.1 DeviceFolder()

```
ObjectLibrary.DeviceFolder.DeviceFolder ( )
```

6.24.2 Property Documentation

6.24.2.1 Devices

```
ObservableCollection< Device> ObjectLibrary.DeviceFolder.Devices [get], [set]
```

6.24.2.2 Parent

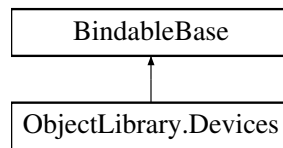
```
ProjectSolution ObjectLibrary.DeviceFolder.Parent [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ **DeviceFolder.cs**

6.25 ObjectLibrary.Devices Class Reference

Inheritance diagram for ObjectLibrary.Devices:



Public Member Functions

- **Devices** ()

Properties

- **Device device** [get, set]
- **Action action** [get, set]

6.25.1 Constructor & Destructor Documentation

6.25.1.1 Devices()

```
ObjectLibrary.Devices.Devices ( )
```

6.25.2 Property Documentation

6.25.2.1 action

```
Action ObjectLibrary.Devices.action [get], [set]
```

6.25.2.2 device

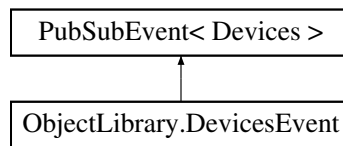
```
Device ObjectLibrary.Devices.device [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/ **Devices.cs**

6.26 ObjectLibrary.DevicesEvent Class Reference

Inheritance diagram for ObjectLibrary.DevicesEvent:



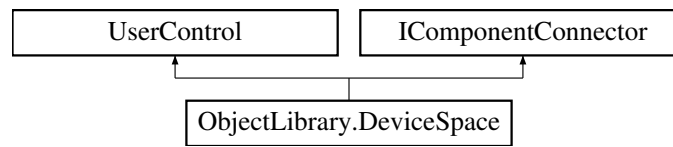
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/ **Devices.cs**

6.27 ObjectLibrary.DeviceSpace Class Reference

DeviceSpace (p. 79)

Inheritance diagram for ObjectLibrary.DeviceSpace:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

6.27.1 Detailed Description

DeviceSpace (p. 79)

6.27.2 Member Function Documentation

6.27.2.1 InitializeComponent()

```
void ObjectLibrary.DeviceSpace.InitializeComponent ( )
```

InitializeComponent

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DeviceSpace/ **DeviceSpace.g.i.cs**

6.28 ObjectLibrary.DragObject Class Reference

Properties

- **ControlBase UI** [get, set]
- Size **DesiredSize** [get, set]

6.28.1 Property Documentation

6.28.1.1 DesiredSize

Size ObjectLibrary.DragObject.DesiredSize [get], [set]

6.28.1.2 UI

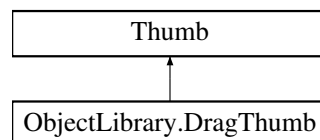
ControlBase ObjectLibrary.DragObject.UI [get], [set]

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/ **DragObject.cs**

6.29 ObjectLibrary.DragThumb Class Reference

Inheritance diagram for ObjectLibrary.DragThumb:



Public Member Functions

- **DragThumb** ()

6.29.1 Constructor & Destructor Documentation

6.29.1.1 DragThumb()

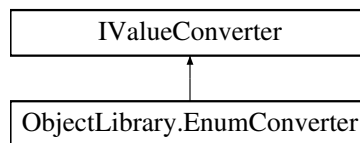
`ObjectLibrary.DragThumb.DragThumb ()`

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/ **DragThumb.cs**

6.30 ObjectLibrary.EnumConverter Class Reference

Inheritance diagram for ObjectLibrary.EnumConverter:



Public Member Functions

- object **Convert** (object value, Type targetType, object parameter, System.Globalization.CultureInfo culture)
- object **ConvertBack** (object value, Type targetType, object parameter, System.Globalization.CultureInfo culture)

6.30.1 Member Function Documentation

6.30.1.1 Convert()

```
object ObjectLibrary.EnumConverter.Convert (
    object value,
    Type targetType,
    object parameter,
    System.Globalization.CultureInfo culture )
```

6.30.1.2 ConvertBack()

```
object ObjectLibrary.EnumConverter.ConvertBack (
    object value,
    Type targetType,
    object parameter,
    System.Globalization.CultureInfo culture )
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Converter/ **EnumConverter.cs**

6.31 XamlGeneratedNamespace.GeneratedInternalTypeHelper Class Reference

GeneratedInternalTypeHelper (p. 82)

Inheritance diagram for XamlGeneratedNamespace.GeneratedInternalTypeHelper:



Protected Member Functions

- override object **CreateInstance** (System.Type type, System.Globalization.CultureInfo culture)
CreateInstance
- override object **GetPropertyValue** (System.Reflection.PropertyInfo propertyInfo, object target, System.Globalization.CultureInfo culture)
GetPropertyValue
- override void **SetPropertyValue** (System.Reflection.PropertyInfo propertyInfo, object target, object value, System.Globalization.CultureInfo culture)
SetPropertyValue
- override System.Delegate **CreateDelegate** (System.Type delegateType, object target, string handler)
CreateDelegate
- override void **AddEventHandler** (System.Reflection.EventInfo eventInfo, object target, System.Delegate handler)
AddEventHandler
- override object **CreateInstance** (System.Type type, System.Globalization.CultureInfo culture)
CreateInstance
- override object **GetPropertyValue** (System.Reflection.PropertyInfo propertyInfo, object target, System.Globalization.CultureInfo culture)
GetPropertyValue
- override void **SetPropertyValue** (System.Reflection.PropertyInfo propertyInfo, object target, object value, System.Globalization.CultureInfo culture)
SetPropertyValue
- override System.Delegate **CreateDelegate** (System.Type delegateType, object target, string handler)
CreateDelegate
- override void **AddEventHandler** (System.Reflection.EventInfo eventInfo, object target, System.Delegate handler)
AddEventHandler
- override object **CreateInstance** (System.Type type, System.Globalization.CultureInfo culture)
CreateInstance
- override object **GetPropertyValue** (System.Reflection.PropertyInfo propertyInfo, object target, System.Globalization.CultureInfo culture)
GetPropertyValue
- override void **SetPropertyValue** (System.Reflection.PropertyInfo propertyInfo, object target, object value, System.Globalization.CultureInfo culture)
SetPropertyValue
- override System.Delegate **CreateDelegate** (System.Type delegateType, object target, string handler)
CreateDelegate
- override void **AddEventHandler** (System.Reflection.EventInfo eventInfo, object target, System.Delegate handler)
AddEventHandler
- override object **CreateInstance** (System.Type type, System.Globalization.CultureInfo culture)

CreateInstance

- override object **GetProperty** (System.Reflection.PropertyInfo propertyInfo, object target, System.Globalization.CultureInfo culture)

GetProperty

- override void **SetProperty** (System.Reflection.PropertyInfo propertyInfo, object target, object value, System.Globalization.CultureInfo culture)

SetProperty

- override System.Delegate **CreateDelegate** (System.Type delegateType, object target, string handler)

CreateDelegate

- override void **AddEventHandler** (System.Reflection.EventInfo eventInfo, object target, System.Delegate handler)

AddEventHandler

- override object **CreateInstance** (System.Type type, System.Globalization.CultureInfo culture)

CreateInstance

- override object **GetProperty** (System.Reflection.PropertyInfo propertyInfo, object target, System.Globalization.CultureInfo culture)

GetProperty

- override void **SetProperty** (System.Reflection.PropertyInfo propertyInfo, object target, object value, System.Globalization.CultureInfo culture)

SetProperty

- override System.Delegate **CreateDelegate** (System.Type delegateType, object target, string handler)

CreateDelegate

- override void **AddEventHandler** (System.Reflection.EventInfo eventInfo, object target, System.Delegate handler)

AddEventHandler

- override object **CreateInstance** (System.Type type, System.Globalization.CultureInfo culture)

CreateInstance

- override object **GetProperty** (System.Reflection.PropertyInfo propertyInfo, object target, System.Globalization.CultureInfo culture)

GetProperty

- override void **SetProperty** (System.Reflection.PropertyInfo propertyInfo, object target, object value, System.Globalization.CultureInfo culture)

SetProperty

- override System.Delegate **CreateDelegate** (System.Type delegateType, object target, string handler)

CreateDelegate

- override void **AddEventHandler** (System.Reflection.EventInfo eventInfo, object target, System.Delegate handler)

AddEventHandler

6.31.1 Detailed Description

GeneratedInternalTypeHelper (p. 82)

6.31.2 Member Function Documentation

6.31.2.1 AddEventHandler() [1/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.AddEventHandler (
    System.Reflection.EventInfo eventInfo,
    object target,
    System.Delegate handler ) [protected]
```

AddEventHandler

6.31.2.2 AddEventHandler() [2/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.AddEventHandler (
    System.Reflection.EventInfo eventInfo,
    object target,
    System.Delegate handler ) [protected]
```

AddEventHandler

6.31.2.3 AddEventHandler() [3/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.AddEventHandler (
    System.Reflection.EventInfo eventInfo,
    object target,
    System.Delegate handler ) [protected]
```

AddEventHandler

6.31.2.4 AddEventHandler() [4/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.AddEventHandler (
    System.Reflection.EventInfo eventInfo,
    object target,
    System.Delegate handler ) [protected]
```

AddEventHandler

6.31.2.5 AddEventHandler() [5/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.AddEventHandler (
    System.Reflection.EventInfo eventInfo,
    object target,
    System.Delegate handler ) [protected]
```

AddEventHandler

6.31.2.6 AddEventHandler() [6/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.AddEventHandler (
    System.Reflection.EventInfo eventInfo,
    object target,
    System.Delegate handler ) [protected]
```

AddEventHandler

6.31.2.7 CreateDelegate() [1/6]

```
override System.Delegate XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateDelegate (
    System.Type delegateType,
    object target,
    string handler ) [protected]
```

CreateDelegate

6.31.2.8 CreateDelegate() [2/6]

```
override System.Delegate XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateDelegate (
    System.Type delegateType,
    object target,
    string handler ) [protected]
```

CreateDelegate

6.31.2.9 CreateDelegate() [3/6]

```
override System.Delegate XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateDelegate (
    System.Type delegateType,
    object target,
    string handler ) [protected]
```

CreateDelegate

6.31.2.10 CreateDelegate() [4/6]

```
override System.Delegate XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateDelegate (
    System.Type delegateType,
    object target,
    string handler ) [protected]
```

CreateDelegate

6.31.2.11 CreateDelegate() [5/6]

```
override System.Delegate XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateDelegate (
    System.Type delegateType,
    object target,
    string handler ) [protected]
```

CreateDelegate

6.31.2.12 CreateDelegate() [6/6]

```
override System.Delegate XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateDelegate (
    System.Type delegateType,
    object target,
    string handler ) [protected]
```

CreateDelegate

6.31.2.13 CreateInstance() [1/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateInstance (
    System.Type type,
    System.Globalization.CultureInfo culture ) [protected]
```

CreateInstance

6.31.2.14 CreateInstance() [2/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateInstance (
    System.Type type,
    System.Globalization.CultureInfo culture ) [protected]
```

CreateInstance

6.31.2.15 CreateInstance() [3/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateInstance (
    System.Type type,
    System.Globalization.CultureInfo culture ) [protected]
```

CreateInstance

6.31.2.16 CreateInstance() [4/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateInstance (
    System.Type type,
    System.Globalization.CultureInfo culture ) [protected]
```

CreateInstance

6.31.2.17 CreateInstance() [5/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateInstance (
    System.Type type,
    System.Globalization.CultureInfo culture ) [protected]
```

CreateInstance

6.31.2.18 CreateInstance() [6/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.CreateInstance (
    System.Type type,
    System.Globalization.CultureInfo culture ) [protected]
```

CreateInstance

6.31.2.19 GetPropertyValue() [1/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.GetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    System.Globalization.CultureInfo culture ) [protected]
```

GetPropertyValue

6.31.2.20 GetPropertyValue() [2/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.GetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    System.Globalization.CultureInfo culture ) [protected]
```

GetPropertyValue

6.31.2.21 GetPropertyValue() [3/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.GetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    System.Globalization.CultureInfo culture ) [protected]
```

GetPropertyValue

6.31.2.22 GetPropertyValue() [4/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.GetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    System.Globalization.CultureInfo culture ) [protected]
```

GetPropertyValue

6.31.2.23 GetPropertyValue() [5/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.GetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    System.Globalization.CultureInfo culture ) [protected]
```

GetPropertyValue

6.31.2.24 GetPropertyValue() [6/6]

```
override object XamlGeneratedNamespace.GeneratedInternalTypeHelper.GetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    System.Globalization.CultureInfo culture ) [protected]
```

GetPropertyValue

6.31.2.25 SetPropertyValue() [1/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.SetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    object value,
    System.Globalization.CultureInfo culture ) [protected]
```

SetPropertyValue

6.31.2.26 SetPropertyValue() [2/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.SetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    object value,
    System.Globalization.CultureInfo culture ) [protected]
```

SetPropertyValue

6.31.2.27 SetPropertyValue() [3/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.SetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    object value,
    System.Globalization.CultureInfo culture ) [protected]
```

SetPropertyValue

6.31.2.28 SetPropertyValue() [4/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.SetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    object value,
    System.Globalization.CultureInfo culture ) [protected]
```

SetPropertyValue

6.31.2.29 SetPropertyValue() [5/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.SetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    object value,
    System.Globalization.CultureInfo culture ) [protected]
```

SetPropertyValue

6.31.2.30 SetPropertyValue() [6/6]

```
override void XamlGeneratedNamespace.GeneratedInternalTypeHelper.SetPropertyValue (
    System.Reflection.PropertyInfo propertyInfo,
    object target,
    object value,
    System.Globalization.CultureInfo culture ) [protected]
```

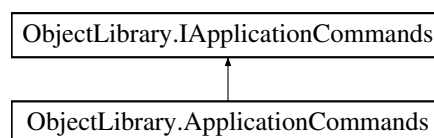
SetPropertyValue

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/ **GeneratedInternalTypeHelper.g.i.cs**

6.32 ObjectLibrary.IApplicationCommands Interface Reference

Inheritance diagram for ObjectLibrary.IApplicationCommands:



Properties

- CompositeCommand **NewProject** [get]
- CompositeCommand **SaveProject** [get]
- CompositeCommand **OpenProject** [get]
- CompositeCommand **CloseProject** [get]
- CompositeCommand **CloseAllTab** [get]
- CompositeCommand **NewScreen** [get]
- CompositeCommand **BringForward** [get]
- CompositeCommand **BringToFront** [get]
- CompositeCommand **SendBackward** [get]
- CompositeCommand **SendToBack** [get]
- CompositeCommand **Group** [get]
- CompositeCommand **Ungroup** [get]
- CompositeCommand **Cut** [get]
- CompositeCommand **Copy** [get]
- CompositeCommand **Paste** [get]
- CompositeCommand **Delete** [get]
- CompositeCommand **SelectAll** [get]
- CompositeCommand **AlignTop** [get]
- CompositeCommand **AlignDown** [get]
- CompositeCommand **AlignLeft** [get]
- CompositeCommand **AlignRight** [get]
- CompositeCommand **Run** [get]
- CompositeCommand **Stop** [get]
- CompositeCommand **Default** [get]

6.32.1 Property Documentation

6.32.1.1 AlignDown

CompositeCommand ObjectLibrary.IApplicationCommands.AlignDown [get]

6.32.1.2 AlignLeft

CompositeCommand ObjectLibrary.IApplicationCommands.AlignLeft [get]

6.32.1.3 AlignRight

CompositeCommand ObjectLibrary.IApplicationCommands.AlignRight [get]

6.32.1.4 AlignTop

CompositeCommand ObjectLibrary.IApplicationCommands.AlignTop [get]

6.32.1.5 BringForward

CompositeCommand ObjectLibrary.IApplicationCommands.BringForward [get]

6.32.1.6 BringToFront

CompositeCommand ObjectLibrary.IApplicationCommands.BringToFront [get]

6.32.1.7 CloseAllTab

CompositeCommand ObjectLibrary.IApplicationCommands.CloseAllTab [get]

6.32.1.8 CloseProject

CompositeCommand ObjectLibrary.IApplicationCommands.CloseProject [get]

6.32.1.9 Copy

CompositeCommand ObjectLibrary.IApplicationCommands.Copy [get]

6.32.1.10 Cut

CompositeCommand ObjectLibrary.IApplicationCommands.Cut [get]

6.32.1.11 Default

CompositeCommand ObjectLibrary.IApplicationCommands.Default [get]

6.32.1.12 Delete

CompositeCommand ObjectLibrary.IApplicationCommands.Delete [get]

6.32.1.13 Group

CompositeCommand ObjectLibrary.IApplicationCommands.Group [get]

6.32.1.14 NewProject

CompositeCommand ObjectLibrary.IApplicationCommands.NewProject [get]

6.32.1.15 NewScreen

CompositeCommand ObjectLibrary.IApplicationCommands.NewScreen [get]

6.32.1.16 OpenProject

CompositeCommand ObjectLibrary.IApplicationCommands.OpenProject [get]

6.32.1.17 Paste

CompositeCommand ObjectLibrary.IApplicationCommands.Paste [get]

6.32.1.18 Run

CompositeCommand ObjectLibrary.IApplicationCommands.Run [get]

6.32.1.19 SaveProject

CompositeCommand ObjectLibrary.IApplicationCommands.SaveProject [get]

6.32.1.20 SelectAll

CompositeCommand ObjectLibrary.IApplicationCommands.SelectAll [get]

6.32.1.21 SendBackward

CompositeCommand ObjectLibrary.IApplicationCommands.SendBackward [get]

6.32.1.22 SendToBack

CompositeCommand ObjectLibrary.IApplicationCommands.SendToBack [get]

6.32.1.23 Stop

CompositeCommand ObjectLibrary.IApplicationCommands.Stop [get]

6.32.1.24 Ungroup

CompositeCommand ObjectLibrary.IApplicationCommands.Ungroup [get]

The documentation for this interface was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Commands/ **ApplicationCommands.cs**

6.33 ObjectLibrary.IGroupable Interface Reference

Inheritance diagram for ObjectLibrary.IGroupable:



Properties

- Guid **ID** [get]
- Guid **ParentID** [get, set]
- bool **IsGroup** [get, set]

6.33.1 Property Documentation

6.33.1.1 ID

Guid ObjectLibrary.IGroupable.ID [get]

6.33.1.2 IsGroup

bool ObjectLibrary.IGroupable.IsGroup [get], [set]

6.33.1.3 ParentID

Guid ObjectLibrary.IGroupable.ParentID [get], [set]

The documentation for this interface was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/ **IGroupable.cs**

6.34 ObjectLibrary.ISelectable Interface Reference

Inheritance diagram for ObjectLibrary.ISelectable:



Properties

- bool **IsSelected** [get, set]

6.34.1 Property Documentation

6.34.1.1 IsSelected

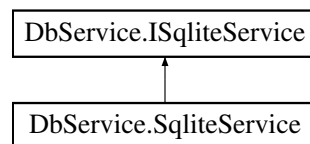
```
bool ObjectLibrary.ISelectable.IsSelected [get], [set]
```

The documentation for this interface was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/ **ISelectable.cs**

6.35 DbService.ISqliteService Interface Reference

Inheritance diagram for DbService.ISqliteService:



Public Member Functions

- void **CreateProject** (string ProjectPath)
- void **OpenProject** (string ProjectPath)
- bool **Login** (string UserName, string Password)
- ObservableCollection< string > **GetAlarmTable** (string ProjectPath)
- void **AddUserJournal** (string UserName, string Description, string New)
- void **AddProcessJournal** (string UserName, string Description)

Events

- EventHandler< **UserChangeEvent** > **UserChanged**

6.35.1 Member Function Documentation

6.35.1.1 AddProcessJournal()

```
void DbService.ISqliteService.AddProcessJournal (
    string UserName,
    string Description )
```

Implemented in **DbService.SqliteService** (p. 189).

6.35.1.2 AddUserJournal()

```
void DbService.ISqliteService.AddUserJournal (
    string UserName,
    string Description,
    string New )
```

Implemented in **DbService.SqliteService** (p. 189).

6.35.1.3 CreateProject()

```
void DbService.ISqliteService.CreateProject (
    string ProjectPath )
```

Implemented in **DbService.SqliteService** (p. 189).

6.35.1.4 GetAlarmTable()

```
ObservableCollection<string> DbService.ISqliteService.GetAlarmTable (
    string ProjectPath )
```

Implemented in **DbService.SqliteService** (p. 189).

6.35.1.5 Login()

```
bool DbService.ISqliteService.Login (
    string UserName,
    string Password )
```

Implemented in **DbService.SqliteService** (p. 189).

6.35.1.6 OpenProject()

```
void DbService.ISqliteService.OpenProject (
    string ProjectPath )
```

Implemented in **DbService.SqliteService** (p. 189).

6.35.2 Event Documentation

6.35.2.1 UserChanged

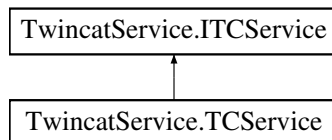
```
EventHandler< UserChangeEvent> DbService.ISqliteService.UserChanged
```

The documentation for this interface was generated from the following file:

- DP_BeckhoffTwincat3/SqliteService/ **ISqliteService.cs**

6.36 TwincatService.ITCService Interface Reference

Inheritance diagram for TwincatService.ITCService:



Public Member Functions

- void **Add** (**Device** device)
- void **Remove** (**Device** device)
- void **WriteData** (**Device** device, string VariableName, object Value)

Events

- EventHandler< **DataChangeEvent** > **DataChanged**
- EventHandler< **DeviceChangeEvent** > **DeviceChanged**

6.36.1 Member Function Documentation

6.36.1.1 Add()

```
void TwincatService.ITCService.Add (
    Device device )
```

Implemented in **TwincatService.TCService** (p. 195).

6.36.1.2 Remove()

```
void TwincatService.ITCService.Remove (
    Device device )
```

Implemented in **TwincatService.TCService** (p. 196).

6.36.1.3 WriteData()

```
void TwincatService.ITCService.WriteData (
    Device device,
    string VariableName,
    object Value )
```

Implemented in **TwincatService.TCService** (p. 196).

6.36.2 Event Documentation

6.36.2.1 DataChanged

```
EventHandler< DataChangeEvent> TwincatService.ITCService.DataChanged
```

6.36.2.2 DeviceChanged

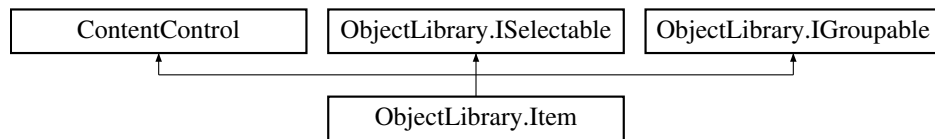
```
EventHandler< DeviceChangeEvent> TwincatService.ITCService.DeviceChanged
```

The documentation for this interface was generated from the following file:

- DP_BeckhoffTwincat3/TwincatService/ **ITCService.cs**

6.37 ObjectLibrary.Item Class Reference

Inheritance diagram for ObjectLibrary.Item:



Public Member Functions

- **Item** (Guid id)
- **Item** ()

Static Public Member Functions

- static ControlTemplate **GetDragThumbTemplate** (UIElement element)
- static void **SetDragThumbTemplate** (UIElement element, ControlTemplate value)

Static Public Attributes

- static readonly DependencyProperty **ParentIDProperty** = DependencyProperty.Register("ParentID", typeof(Guid), typeof(**Item**))
- static readonly DependencyProperty **IsGroupProperty**
- static readonly DependencyProperty **IsSelectedProperty**
- static readonly DependencyProperty **DragThumbTemplateProperty**

Protected Member Functions

- override void **OnPreviewMouseDown** (MouseButtonEventArgs e)

Properties

- Guid **ID** [get]
- Guid **ParentID** [get, set]
- bool **IsGroup** [get, set]
- bool **IsSelected** [get, set]

6.37.1 Constructor & Destructor Documentation

6.37.1.1 Item() [1/2]

```
ObjectLibrary.Item.Item (
    Guid id )
```

6.37.1.2 Item() [2/2]

```
ObjectLibrary.Item.Item ( )
```

6.37.2 Member Function Documentation

6.37.2.1 GetDragThumbTemplate()

```
static ControlTemplate ObjectLibrary.Item.GetDragThumbTemplate (
    UIElement element ) [static]
```

6.37.2.2 OnPreviewMouseDown()

```
override void ObjectLibrary.Item.OnPreviewMouseDown (
    MouseButtonEventArgs e ) [protected]
```

6.37.2.3 SetDragThumbTemplate()

```
static void ObjectLibrary.Item.SetDragThumbTemplate (
    UIElement element,
    ControlTemplate value ) [static]
```

6.37.3 Member Data Documentation

6.37.3.1 DragThumbTemplateProperty

```
readonly DependencyProperty ObjectLibrary.Item.DragThumbTemplateProperty [static]
```

Initial value:

```
=
    DependencyProperty.RegisterAttached("DragThumbTemplate", typeof(ControlTemplate), typeof(Item))
```

6.37.3.2 IsGroupProperty

```
readonly DependencyProperty ObjectLibrary.Item.IsGroupProperty [static]
```

Initial value:

```
=  
    DependencyProperty.Register("IsGroup", typeof(bool), typeof(Item))
```

6.37.3.3 IsSelectedProperty

```
readonly DependencyProperty ObjectLibrary.Item.IsSelectedProperty [static]
```

Initial value:

```
=  
    DependencyProperty.Register("IsSelected",  
                                typeof(bool),  
                                typeof(Item),  
                                new FrameworkPropertyMetadata(false))
```

6.37.3.4 ParentIDProperty

```
readonly DependencyProperty ObjectLibrary.Item.ParentIDProperty = DependencyProperty.Register("Parent↔  
ID", typeof(Guid), typeof( Item)) [static]
```

6.37.4 Property Documentation

6.37.4.1 ID

```
Guid ObjectLibrary.Item.ID [get]
```

6.37.4.2 IsGroup

```
bool ObjectLibrary.Item.IsGroup [get], [set]
```

6.37.4.3 IsSelected

```
bool ObjectLibrary.Item.IsSelected [get], [set]
```

6.37.4.4 ParentID

```
Guid ObjectLibrary.Item.ParentID [get], [set]
```

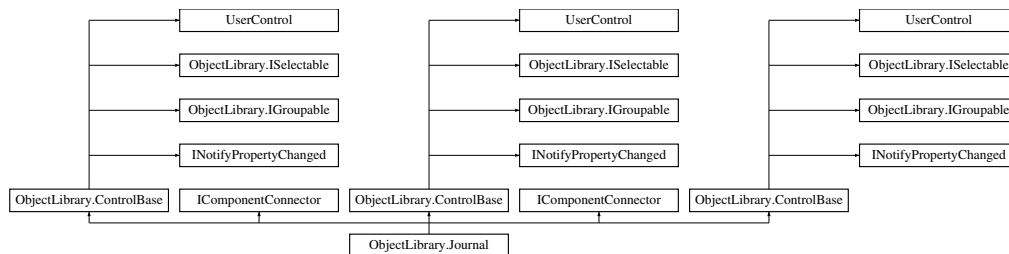
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/ **Item.cs**

6.38 ObjectLibrary.Journal Class Reference

Interaction logic for Journal.xaml

Inheritance diagram for ObjectLibrary.Journal:



Public Member Functions

- **Journal** ()
- void **Refresh** ()
- void **RefreshProcess** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Public Attributes

- string **ProjectPath**

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **ForeColor** [get, set]
- FontFamily **Font_Family** [get, set]
- double **Font_Size** [get, set]
- FontStyle **Font_Style** [get, set]
- FontWeight **Font_Weight** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- int **Rotation** [get, set]
- List< **JournalValue** > **Process** [get, set]

Additional Inherited Members

6.38.1 Detailed Description

Interaction logic for Journal.xaml

Journal (p. 103)

6.38.2 Constructor & Destructor Documentation

6.38.2.1 Journal()

ObjectLibrary.Journal.Journal ()

6.38.3 Member Function Documentation

6.38.3.1 InitializeComponent() [1/2]

void ObjectLibrary.Journal.InitializeComponent ()

InitializeComponent

6.38.3.2 InitializeComponent() [2/2]

```
void ObjectLibrary.Journal.InitializeComponent ( )
```

InitializeComponent

6.38.3.3 Refresh()

```
void ObjectLibrary.Journal.Refresh ( )
```

6.38.3.4 RefreshProcess()

```
void ObjectLibrary.Journal.RefreshProcess ( )
```

6.38.4 Member Data Documentation

6.38.4.1 ProjectPath

```
string ObjectLibrary.Journal.ProjectPath
```

6.38.5 Property Documentation

6.38.5.1 BackColor

```
Color ObjectLibrary.Journal.BackColor [get], [set]
```

6.38.5.2 Border_Color

```
Color ObjectLibrary.Journal.Border_Color [get], [set]
```

6.38.5.3 Border_Thickness

`int ObjectLibrary.Journal.Border_Thickness [get], [set]`

6.38.5.4 Font_Family

`FontFamily ObjectLibrary.Journal.Font_Family [get], [set]`

6.38.5.5 Font_Size

`double ObjectLibrary.Journal.Font_Size [get], [set]`

6.38.5.6 Font_Style

`FontStyle ObjectLibrary.Journal.Font_Style [get], [set]`

6.38.5.7 Font_Weight

`FontWeight ObjectLibrary.Journal.Font_Weight [get], [set]`

6.38.5.8 ForeColor

`Color ObjectLibrary.Journal.ForeColor [get], [set]`

6.38.5.9 LeftShift

`double ObjectLibrary.Journal.LeftShift [get], [set]`

6.38.5.10 ObjectHeight

`double ObjectLibrary.Journal.ObjectHeight [get], [set]`

6.38.5.11 ObjectWidth

```
double ObjectLibrary.Journal.ObjectWidth [get], [set]
```

6.38.5.12 Process

```
List< JournalValue> ObjectLibrary.Journal.Process [get], [set]
```

6.38.5.13 Rotation

```
int ObjectLibrary.Journal.Rotation [get], [set]
```

6.38.5.14 TopShift

```
double ObjectLibrary.Journal.TopShift [get], [set]
```

6.38.5.15 Typ

```
string ObjectLibrary.Journal.Typ [get]
```

6.38.5.16 ZIndex

```
int ObjectLibrary.Journal.ZIndex [get], [set]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Diagnostic/ **Journal.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/ **Journal.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/ **Journal.g.i.cs**

6.39 ObjectLibrary.JournalModel Class Reference

Properties

- int **id** [get, set]
- string **UserName** [get, set]
- DateTime **date** [get, set]
- string **Description** [get, set]
- string **NewValue** [get, set]

6.39.1 Property Documentation

6.39.1.1 date

`DateTime ObjectLibrary.JournalModel.date [get], [set]`

6.39.1.2 Description

`string ObjectLibrary.JournalModel.Description [get], [set]`

6.39.1.3 id

`int ObjectLibrary.JournalModel.id [get], [set]`

6.39.1.4 NewValue

`string ObjectLibrary.JournalModel.NewValue [get], [set]`

6.39.1.5 UserName

`string ObjectLibrary.JournalModel.UserName [get], [set]`

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Journal/ **JournalModel.cs**

6.40 ObjectLibrary.JournalValue Class Reference

Properties

- string **ReadVariable** [get, set]
- string **Description** [get, set]
- string **DeviceName** [get, set]
- int **Value** [get, set]

6.40.1 Property Documentation

6.40.1.1 Description

```
string ObjectLibrary.JournalValue.Description [get], [set]
```

6.40.1.2 DeviceName

```
string ObjectLibrary.JournalValue.DeviceName [get], [set]
```

6.40.1.3 ReadVariable

```
string ObjectLibrary.JournalValue.ReadVariable [get], [set]
```

6.40.1.4 Value

```
int ObjectLibrary.JournalValue.Value [get], [set]
```

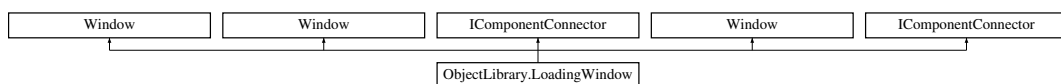
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Journal/ **JournalValue.cs**

6.41 ObjectLibrary.LoadingWindow Class Reference

LoadingWindow (p. 109)

Inheritance diagram for ObjectLibrary.LoadingWindow:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **LoadingWindow** ()

6.41.1 Detailed Description

LoadingWindow (p. 109)

Interaction logic for NewProject.xaml

6.41.2 Constructor & Destructor Documentation

6.41.2.1 LoadingWindow()

`ObjectLibrary.LoadingWindow.LoadingWindow ()`

6.41.3 Member Function Documentation

6.41.3.1 InitializeComponent() [1/2]

`void ObjectLibrary.LoadingWindow.InitializeComponent ()`

InitializeComponent

6.41.3.2 InitializeComponent() [2/2]

`void ObjectLibrary.LoadingWindow.InitializeComponent ()`

InitializeComponent

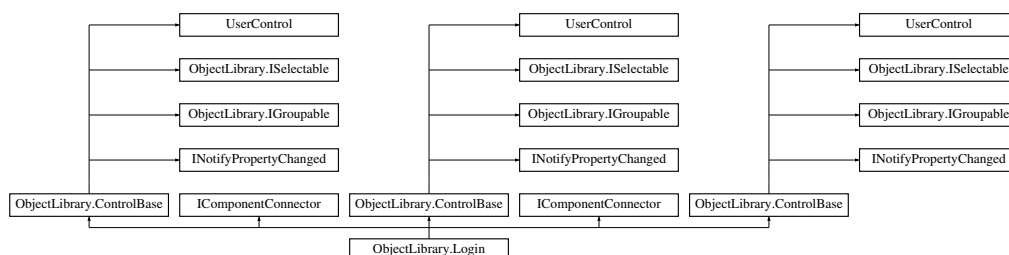
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **LoadingWindow.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **LoadingWindow.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/Windows/ **LoadingWindow.xaml.cs**

6.42 ObjectLibrary.Login Class Reference

Interaction logic for Login.xaml

Inheritance diagram for ObjectLibrary.Login:



Public Member Functions

- **Login** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Protected Member Functions

- virtual void **OnLogin** (**UserLoginEvent** e)

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **ForeColor** [get, set]
- FontFamily **Font_Family** [get, set]
- double **Font_Size** [get, set]
- FontStyle **Font_Style** [get, set]
- FontWeight **Font_Weight** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- HorizontalAlignment **Horizontal** [get, set]
- VerticalAlignment **Vertical** [get, set]
- int **Rotation** [get, set]
- string **UserName** [get, set]
- **UserLevels** **UserLevel** [get, set]

Events

- EventHandler< **UserLoginEvent** > **LoginChange** = delegate { }

Additional Inherited Members

6.42.1 Detailed Description

Interaction logic for Login.xaml

Login (p. 110)

6.42.2 Constructor & Destructor Documentation

6.42.2.1 Login()

`ObjectLibrary.Login.Login ()`

6.42.3 Member Function Documentation

6.42.3.1 InitializeComponent() [1/2]

`void ObjectLibrary.Login.InitializeComponent ()`

InitializeComponent

6.42.3.2 InitializeComponent() [2/2]

`void ObjectLibrary.Login.InitializeComponent ()`

InitializeComponent

6.42.3.3 OnLogin()

`virtual void ObjectLibrary.Login.OnLogin (
 UserLoginEvent e) [protected], [virtual]`

6.42.4 Property Documentation

6.42.4.1 BackColor

`Color ObjectLibrary.Login.BackColor [get], [set]`

6.42.4.2 Border_Color

`Color ObjectLibrary.Login.Border_Color [get], [set]`

6.42.4.3 Border_Thickness

`int ObjectLibrary.Login.Border_Thickness [get], [set]`

6.42.4.4 Font_Family

`FontFamily ObjectLibrary.Login.Font_Family [get], [set]`

6.42.4.5 Font_Size

`double ObjectLibrary.Login.Font_Size [get], [set]`

6.42.4.6 Font_Style

`FontStyle ObjectLibrary.Login.Font_Style [get], [set]`

6.42.4.7 Font_Weight

`FontWeight ObjectLibrary.Login.Font_Weight [get], [set]`

6.42.4.8 ForeColor

`Color ObjectLibrary.Login.ForeColor [get], [set]`

6.42.4.9 Horizontal

`HorizontalAlignment ObjectLibrary.Login.Horizontal [get], [set]`

6.42.4.10 LeftShift

`double ObjectLibrary.Login.LeftShift [get], [set]`

6.42.4.11 ObjectHeight

```
double ObjectLibrary.Login.ObjectHeight [get], [set]
```

6.42.4.12 ObjectWidth

```
double ObjectLibrary.Login.ObjectWidth [get], [set]
```

6.42.4.13 Rotation

```
int ObjectLibrary.Login.Rotation [get], [set]
```

6.42.4.14 TopShift

```
double ObjectLibrary.Login.TopShift [get], [set]
```

6.42.4.15 Typ

```
string ObjectLibrary.Login.Typ [get]
```

6.42.4.16 UserLevel

```
UserLevels ObjectLibrary.Login.UserLevel [get], [set]
```

6.42.4.17 UserName

```
string ObjectLibrary.Login.UserName [get], [set]
```

6.42.4.18 Vertical

```
VerticalAlignment ObjectLibrary.Login.Vertical [get], [set]
```

6.42.4.19 ZIndex

```
int ObjectLibrary.Login.ZIndex [get], [set]
```

6.42.5 Event Documentation

6.42.5.1 LoginChange

```
EventHandler< UserLoginEvent> ObjectLibrary.Login.LoginChange = delegate { }
```

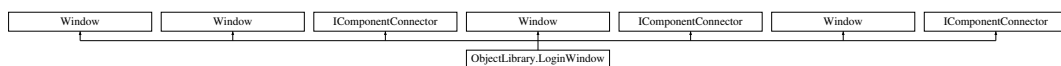
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Diagnostic/ **Login.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/ **Login.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/ **Login.g.i.cs**

6.43 ObjectLibrary.LoginWindow Class Reference

LoginWindow (p. 115)

Inheritance diagram for ObjectLibrary.LoginWindow:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **LoginWindow** ()

6.43.1 Detailed Description

LoginWindow (p. 115)

Interaction logic for NewProject.xaml

6.43.2 Constructor & Destructor Documentation

6.43.2.1 LoginWindow()

```
ObjectLibrary.LoginWindow.LoginWindow ( )
```

6.43.3 Member Function Documentation

6.43.3.1 InitializeComponent() [1/3]

```
void ObjectLibrary.LoginWindow.InitializeComponent ( )
```

InitializeComponent

6.43.3.2 InitializeComponent() [2/3]

```
void ObjectLibrary.LoginWindow.InitializeComponent ( )
```

InitializeComponent

6.43.3.3 InitializeComponent() [3/3]

```
void ObjectLibrary.LoginWindow.InitializeComponent ( )
```

InitializeComponent

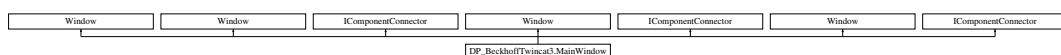
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **LoginWindow - Copy.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **LoginWindow.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **LoginWindow.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/Windows/ **LoginWindow.xaml.cs**

6.44 DP_BeckhoffTwincat3.MainWindow Class Reference

MainWindow (p. 116)

Inheritance diagram for DP_BeckhoffTwincat3.MainWindow:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **MainWindow** (**ViewModelMainWindow** viewModelMainWindow)

6.44.1 Detailed Description

MainWindow (p. 116)

Interaction logic for MainWindow.xaml

6.44.2 Constructor & Destructor Documentation

6.44.2.1 MainWindow()

```
DP_BeckhoffTwincat3.MainWindow.MainWindow (
    ViewModelMainWindow viewModelMainWindow )
```

6.44.3 Member Function Documentation

6.44.3.1 InitializeComponent() [1/3]

```
void DP_BeckhoffTwincat3.MainWindow.InitializeComponent ( )
```

InitializeComponent

6.44.3.2 InitializeComponent() [2/3]

```
void DP_BeckhoffTwincat3.MainWindow.InitializeComponent ( )
```

InitializeComponent

6.44.3.3 InitializeComponent() [3/3]

```
void DP_BeckhoffTwincat3.MainWindow.InitializeComponent ( )
```

InitializeComponent

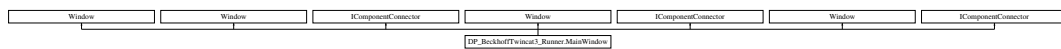
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/ **MainWindow.g.i.cs**
- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/Window/ **MainWindow.g.cs**
- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/Window/ **MainWindow.xaml.cs**

6.45 DP_BeckhoffTwincat3_Runner.MainWindow Class Reference

MainWindow (p. 118)

Inheritance diagram for DP_BeckhoffTwincat3_Runner.MainWindow:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **MainWindow** (**ViewModelMainWindow** viewModelMainWindow)

6.45.1 Detailed Description

MainWindow (p. 118)

Interaction logic for MainWindow.xaml

6.45.2 Constructor & Destructor Documentation

6.45.2.1 MainWindow()

```
DP_BeckhoffTwincat3_Runner.MainWindow.MainWindow (
    ViewModelMainWindow viewModelMainWindow )
```

6.45.3 Member Function Documentation

6.45.3.1 InitializeComponent() [1/3]

```
void DP_BeckhoffTwincat3_Runner.MainWindow.InitializeComponent ( )
```

InitializeComponent

6.45.3.2 InitializeComponent() [2/3]

```
void DP_BeckhoffTwincat3_Runner.MainWindow.InitializeComponent ( )
```

InitializeComponent

6.45.3.3 InitializeComponent() [3/3]

```
void DP_BeckhoffTwincat3_Runner.MainWindow.InitializeComponent ( )
```

InitializeComponent

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/ **MainWindow.g.i.cs**
- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/Window/ **MainWindow.g.cs**
- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/Window/ **MainWindow.xaml.cs**

6.46 Wpf.CartesianChart.ConstantChanges.MeasureModel Class Reference

Properties

- DateTime **DateTime** [get, set]
- double **Value** [get, set]

6.46.1 Property Documentation

6.46.1.1 DateTime

`DateTime Wpf.CartesianChart.ConstantChanges.MeasureModel.DateTime [get], [set]`

6.46.1.2 Value

`double Wpf.CartesianChart.ConstantChanges.MeasureModel.Value [get], [set]`

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Chart/ **MeasureModel.cs**

6.47 ObjectLibrary.Menu Class Reference

Properties

- **ProjectSolution Parent** [get, set]
- **Workspace workSpace** [get, set]

6.47.1 Property Documentation

6.47.1.1 Parent

`ProjectSolution ObjectLibrary.Menu.Parent [get], [set]`

6.47.1.2 workSpace

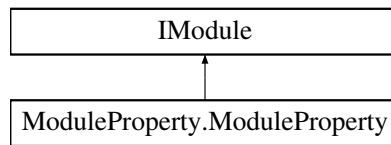
`Workspace ObjectLibrary.Menu.workSpace [get], [set]`

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ **Menu.cs**

6.48 ModuleProperty.ModuleProperty Class Reference

Inheritance diagram for ModuleProperty.ModuleProperty:



Public Member Functions

- **ModuleProperty** (IRegionManager regionManager, IUnityContainer container)
- void **Initialize** ()

6.48.1 Constructor & Destructor Documentation

6.48.1.1 ModuleProperty()

```
ModuleProperty.ModuleProperty.ModuleProperty (
    IRegionManager regionManager,
    IUnityContainer container )
```

6.48.2 Member Function Documentation

6.48.2.1 Initialize()

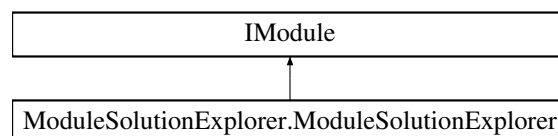
```
void ModuleProperty.ModuleProperty.Initialize ( )
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleProperty/ **ModuleProperty.cs**

6.49 ModuleSolutionExplorer.ModuleSolutionExplorer Class Reference

Inheritance diagram for ModuleSolutionExplorer.ModuleSolutionExplorer:



Public Member Functions

- **ModuleSolutionExplorer** (IRegionManager regionManager, IUnityContainer container)
- void **Initialize** ()

6.49.1 Constructor & Destructor Documentation

6.49.1.1 ModuleSolutionExplorer()

```
ModuleSolutionExplorer.ModuleSolutionExplorer.ModuleSolutionExplorer (
    IRegionManager regionManager,
    IUnityContainer container )
```

6.49.2 Member Function Documentation

6.49.2.1 Initialize()

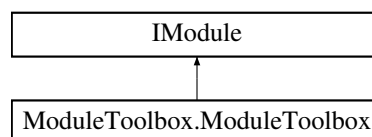
```
void ModuleSolutionExplorer.ModuleSolutionExplorer.Initialize ( )
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleSolutionExplorer/ **ModuleSolutionExplorer.cs**

6.50 ModuleToolbox.ModuleToolbox Class Reference

Inheritance diagram for ModuleToolbox.ModuleToolbox:



Public Member Functions

- **ModuleToolbox** (IRegionManager regionManager, IUnityContainer container)
- void **Initialize** ()

6.50.1 Constructor & Destructor Documentation

6.50.1.1 ModuleToolbox()

```
ModuleToolbox.ModuleToolbox.ModuleToolbox (
    IRegionManager regionManager,
    IUnityContainer container )
```

6.50.2 Member Function Documentation

6.50.2.1 Initialize()

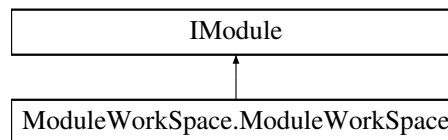
```
void ModuleToolbox.ModuleToolbox.Initialize ( )
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleToolbox/ **ModuleToolbox.cs**

6.51 ModuleWorkSpace.ModuleWorkSpace Class Reference

Inheritance diagram for ModuleWorkSpace.ModuleWorkSpace:



Public Member Functions

- **ModuleWorkSpace** (IRegionManager *regionManager*, IUnityContainer *container*)
- void **Initialize** ()

6.51.1 Constructor & Destructor Documentation

6.51.1.1 ModuleWorkSpace()

```
ModuleWorkSpace.ModuleWorkSpace.ModuleWorkSpace (
    IRegionManager regionManager,
    IUnityContainer container )
```

6.51.2 Member Function Documentation

6.51.2.1 Initialize()

```
void ModuleWorkSpace.ModuleWorkSpace.Initialize ( )
```

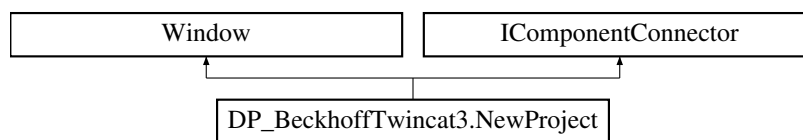
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleWorkSpace/ **ModuleWorkSpace.cs**

6.52 DP_BeckhoffTwincat3.NewProject Class Reference

NewProject (p. 124)

Inheritance diagram for DP_BeckhoffTwincat3.NewProject:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

6.52.1 Detailed Description

NewProject (p. 124)

6.52.2 Member Function Documentation

6.52.2.1 InitializeComponent()

```
void DP_BeckhoffTwincat3.NewProject.InitializeComponent ( )
```

InitializeComponent

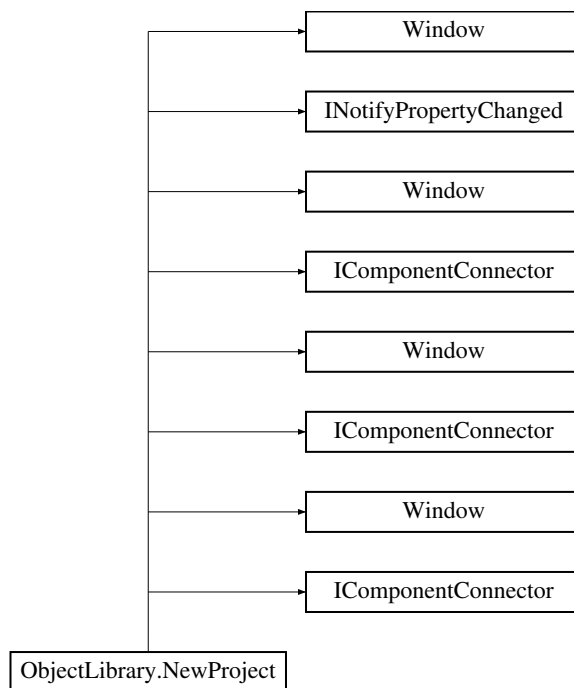
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/Window/ **NewProject.g.i.cs**

6.53 ObjectLibrary.NewProject Class Reference

NewProject (p. 125)

Inheritance diagram for ObjectLibrary.NewProject:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **NewProject** ()

Properties

- string **ProjectName** [get, set]
- string **ProjectPath** [get, set]
- int **ResolutionHeight** [get, set]
- int **ResolutionWidth** [get, set]

Events

- PropertyChangedEventHandler **PropertyChanged**

6.53.1 Detailed Description

NewProject (p. 125)

Interaction logic for NewProject.xaml

6.53.2 Constructor & Destructor Documentation

6.53.2.1 NewProject()

`ObjectLibrary.NewProject.NewProject ()`

6.53.3 Member Function Documentation

6.53.3.1 InitializeComponent() [1/3]

`void ObjectLibrary.NewProject.InitializeComponent ()`

`InitializeComponent`

6.53.3.2 InitializeComponent() [2/3]

`void ObjectLibrary.NewProject.InitializeComponent ()`

`InitializeComponent`

6.53.3.3 InitializeComponent() [3/3]

`void ObjectLibrary.NewProject.InitializeComponent ()`

`InitializeComponent`

6.53.4 Property Documentation

6.53.4.1 ProjectName

```
string ObjectLibrary.NewProject.ProjectName [get], [set]
```

6.53.4.2 ProjectPath

```
string ObjectLibrary.NewProject.ProjectPath [get], [set]
```

6.53.4.3 ResolutionHeight

```
int ObjectLibrary.NewProject.ResolutionHeight [get], [set]
```

6.53.4.4 ResolutionWidth

```
int ObjectLibrary.NewProject.ResolutionWidth [get], [set]
```

6.53.5 Event Documentation

6.53.5.1 PropertyChanged

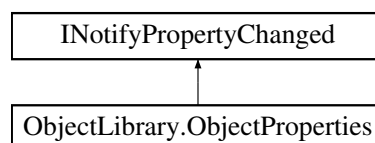
```
PropertyChangedEventHandler ObjectLibrary.NewProject.PropertyChanged
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **NewProject - Copy.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **NewProject.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **NewProject.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/Windows/ **NewProject.xaml.cs**

6.54 ObjectLibrary.ObjectProperties Class Reference

Inheritance diagram for ObjectLibrary.ObjectProperties:



Public Member Functions

- **ObjectProperties** (string **Typ**)

Protected Member Functions

- void **Changed** (string propertyName)

Properties

- string **Typ** [get]
- string **Name** [get, set]
- double **Width** [get, set]
- double **Height** [get, set]
- double **x** [get, set]
- double **y** [get, set]
- Color **Background** [get, set]
- Color **Foreground** [get, set]
- FontFamily **FontFamily** [get, set]
- double **FontSize** [get, set]
- FontStyle **FontStyle** [get, set]
- FontWeight **FontWeight** [get, set]
- Color **BorderColor** [get, set]
- int **BorderThickness** [get, set]
- HorizontalAlignment **HorizontalAlignment** [get, set]
- VerticalAlignment **VerticalAlignment** [get, set]
- string **Text** [get, set]

Events

- PropertyChangedEventHandler **PropertyChanged**

6.54.1 Constructor & Destructor Documentation

6.54.1.1 ObjectProperties()

```
ObjectLibrary.ObjectProperties.ObjectProperties (
    string Typ )
```

6.54.2 Member Function Documentation

6.54.2.1 Changed()

```
void ObjectLibrary.ObjectProperties.Changed (
    string propertyName ) [protected]
```

6.54.3 Property Documentation

6.54.3.1 Background

```
Color ObjectLibrary.ObjectProperties.Background [get], [set]
```

6.54.3.2 BorderColor

```
Color ObjectLibrary.ObjectProperties.BorderColor [get], [set]
```

6.54.3.3 BorderThickness

```
int ObjectLibrary.ObjectProperties.BorderThickness [get], [set]
```

6.54.3.4 FontFamily

```
FontFamily ObjectLibrary.ObjectProperties.FontFamily [get], [set]
```

6.54.3.5 FontSize

```
double ObjectLibrary.ObjectProperties.FontSize [get], [set]
```

6.54.3.6 FontStyle

```
FontStyle ObjectLibrary.ObjectProperties.FontStyle [get], [set]
```

6.54.3.7 FontWeight

FontWeight ObjectLibrary.ObjectProperties.FontWeight [get], [set]

6.54.3.8 Foreground

Color ObjectLibrary.ObjectProperties.Foreground [get], [set]

6.54.3.9 Height

double ObjectLibrary.ObjectProperties.Height [get], [set]

6.54.3.10 HorizontalAlignment

HorizontalAlignment ObjectLibrary.ObjectProperties.HorizontalAlignment [get], [set]

6.54.3.11 Name

string ObjectLibrary.ObjectProperties.Name [get], [set]

6.54.3.12 Text

string ObjectLibrary.ObjectProperties.Text [get], [set]

6.54.3.13 Typ

string ObjectLibrary.ObjectProperties.Typ [get]

6.54.3.14 VerticalAlignment

VerticalAlignment ObjectLibrary.ObjectProperties.VerticalAlignment [get], [set]

6.54.3.15 Width

```
double ObjectLibrary.ObjectProperties.Width [get], [set]
```

6.54.3.16 x

```
double ObjectLibrary.ObjectProperties.x [get], [set]
```

6.54.3.17 y

```
double ObjectLibrary.ObjectProperties.y [get], [set]
```

6.54.4 Event Documentation

6.54.4.1 PropertyChanged

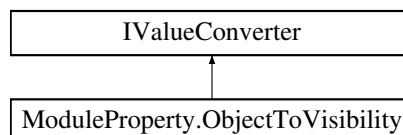
```
PropertyChangedEventHandler ObjectLibrary.ObjectProperties.PropertyChanged
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/ **ObjectProperties.cs**

6.55 ModuleProperty.ObjectToVisibility Class Reference

Inheritance diagram for ModuleProperty.ObjectToVisibility:



Public Member Functions

- object **Convert** (object value, Type targetType, object parameter, CultureInfo culture)
- object **ConvertBack** (object value, Type targetType, object parameter, CultureInfo culture)

6.55.1 Member Function Documentation

6.55.1.1 Convert()

```
object ModuleProperty.ObjectToVisibility.Convert (
    object value,
    Type targetType,
    object parameter,
    CultureInfo culture )
```

6.55.1.2 ConvertBack()

```
object ModuleProperty.ObjectToVisibility.ConvertBack (
    object value,
    Type targetType,
    object parameter,
    CultureInfo culture )
```

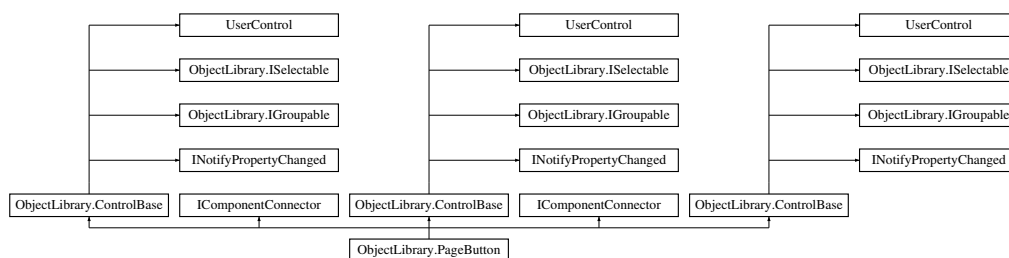
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleProperty/Converter/ **ObjectToVisibility.cs**

6.56 ObjectLibrary.PageButton Class Reference

Interaction logic for PlcButton.xaml

Inheritance diagram for ObjectLibrary.PageButton:



Public Member Functions

- **PageButton ()**
- void **InitializeComponent ()**
InitializeComponent
- void **InitializeComponent ()**
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **ForeColor** [get, set]
- FontFamily **Font_Family** [get, set]
- double **Font_Size** [get, set]
- FontStyle **Font_Style** [get, set]
- FontWeight **Font_Weight** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- HorizontalAlignment **Horizontal** [get, set]
- VerticalAlignment **Vertical** [get, set]
- string **Text** [get, set]
- string **Page** [get, set]

Events

- EventHandler< string > **PageChange** = delegate { }

Additional Inherited Members

6.56.1 Detailed Description

Interaction logic for PlcButton.xaml

PageButton (p. 132)

6.56.2 Constructor & Destructor Documentation

6.56.2.1 PageButton()

```
ObjectLibrary.PageButton.PageButton ( )
```

6.56.3 Member Function Documentation

6.56.3.1 InitializeComponent() [1/2]

```
void ObjectLibrary.PageButton.InitializeComponent ( )
```

InitializeComponent

6.56.3.2 InitializeComponent() [2/2]

```
void ObjectLibrary.PageButton.InitializeComponent ( )
```

InitializeComponent

6.56.4 Property Documentation**6.56.4.1 BackColor**

```
Color ObjectLibrary.PageButton.BackColor [get], [set]
```

6.56.4.2 Border_Color

```
Color ObjectLibrary.PageButton.Border_Color [get], [set]
```

6.56.4.3 Border_Thickness

```
int ObjectLibrary.PageButton.Border_Thickness [get], [set]
```

6.56.4.4 Font_Family

```
FontFamily ObjectLibrary.PageButton.Font_Family [get], [set]
```

6.56.4.5 Font_Size

```
double ObjectLibrary.PageButton.Font_Size [get], [set]
```

6.56.4.6 Font_Style

FontStyle ObjectLibrary.PageButton.Font_Style [get], [set]

6.56.4.7 Font_Weight

FontWeight ObjectLibrary.PageButton.Font_Weight [get], [set]

6.56.4.8 ForeColor

Color ObjectLibrary.PageButton.ForeColor [get], [set]

6.56.4.9 Horizontal

HorizontalAlignment ObjectLibrary.PageButton.Horizontal [get], [set]

6.56.4.10 LeftShift

double ObjectLibrary.PageButton.LeftShift [get], [set]

6.56.4.11 ObjectHeight

double ObjectLibrary.PageButton.ObjectHeight [get], [set]

6.56.4.12 ObjectWidth

double ObjectLibrary.PageButton.ObjectWidth [get], [set]

6.56.4.13 Page

string ObjectLibrary.PageButton.Page [get], [set]

6.56.4.14 Text

```
string ObjectLibrary.PageButton.Text [get], [set]
```

6.56.4.15 TopShift

```
double ObjectLibrary.PageButton.TopShift [get], [set]
```

6.56.4.16 Typ

```
string ObjectLibrary.PageButton.Typ [get]
```

6.56.4.17 Vertical

```
VerticalAlignment ObjectLibrary.PageButton.Vertical [get], [set]
```

6.56.4.18 ZIndex

```
int ObjectLibrary.PageButton.ZIndex [get], [set]
```

6.56.5 Event Documentation

6.56.5.1 PageChange

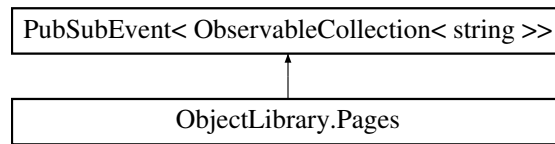
```
EventHandler<string> ObjectLibrary.PageButton.PageChange = delegate { }
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Pages/ **PageButton.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pages/ **PageButton.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pages/ **PageButton.g.i.cs**

6.57 ObjectLibrary.Pages Class Reference

Inheritance diagram for ObjectLibrary.Pages:



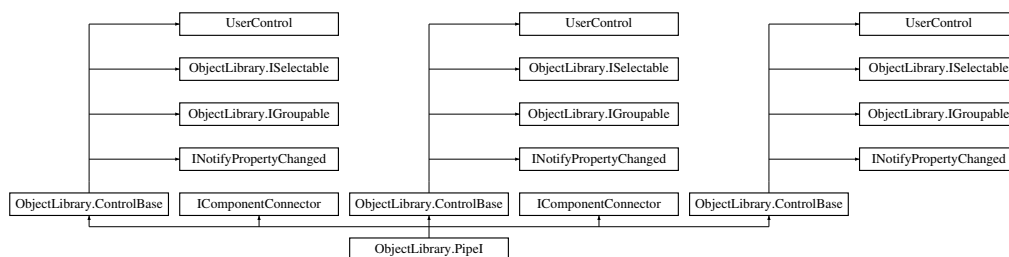
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/ **Pages.cs**

6.58 ObjectLibrary.Pipel Class Reference

Interaction logic for Pipel.xaml

Inheritance diagram for ObjectLibrary.Pipel:



Public Member Functions

- **Pipel ()**
- void **InitializeComponent ()**
InitializeComponent
- void **InitializeComponent ()**
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- int **Rotation** [get, set]
- Device **Device** [get, set]
- string **ReadVariable** [get, set]
- object **ReadValue** [get, set]
- List< **ValueColor** > **RunColor** [get, set]

Additional Inherited Members

6.58.1 Detailed Description

Interaction logic for PipeI.xml

PipeI (p. 137)

6.58.2 Constructor & Destructor Documentation

6.58.2.1 PipeI()

```
ObjectLibrary.PipeI.PipeI ( )
```

6.58.3 Member Function Documentation

6.58.3.1 InitializeComponent() [1/2]

```
void ObjectLibrary.PipeI.InitializeComponent ( )
```

InitializeComponent

6.58.3.2 InitializeComponent() [2/2]

```
void ObjectLibrary.PipeI.InitializeComponent ( )
```

InitializeComponent

6.58.4 Property Documentation

6.58.4.1 BackColor

```
Color ObjectLibrary.PipeI.BackColor [get], [set]
```

6.58.4.2 Device

Device ObjectLibrary.PipeI.Device [get], [set]

6.58.4.3 LeftShift

double ObjectLibrary.PipeI.LeftShift [get], [set]

6.58.4.4 ObjectHeight

double ObjectLibrary.PipeI.ObjectHeight [get], [set]

6.58.4.5 ObjectWidth

double ObjectLibrary.PipeI.ObjectWidth [get], [set]

6.58.4.6 ReadValue

object ObjectLibrary.PipeI.ReadValue [get], [set]

6.58.4.7 ReadVariable

string ObjectLibrary.PipeI.ReadVariable [get], [set]

6.58.4.8 Rotation

int ObjectLibrary.PipeI.Rotation [get], [set]

6.58.4.9 RunColor

List< **ValueColor**> ObjectLibrary.PipeI.RunColor [get], [set]

6.58.4.10 TopShift

```
double ObjectLibrary.PipeI.TopShift [get], [set]
```

6.58.4.11 Typ

```
string ObjectLibrary.PipeI.Typ [get]
```

6.58.4.12 ZIndex

```
int ObjectLibrary.PipeI.ZIndex [get], [set]
```

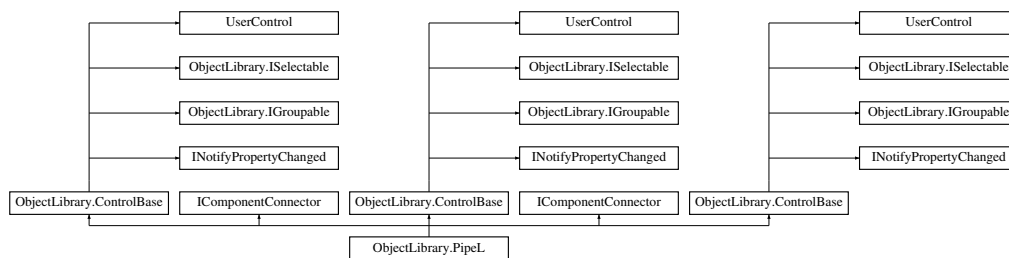
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Pipe/ **Pipel.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/ **Pipel.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/ **Pipel.g.i.cs**

6.59 ObjectLibrary.PipeL Class Reference

Interaction logic for PipeL.xaml

Inheritance diagram for ObjectLibrary.PipeL:



Public Member Functions

- **PipeL ()**
- void **InitializeComponent ()**
InitializeComponent
- void **InitializeComponent ()**
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- int **Rotation** [get, set]
- Device **Device** [get, set]
- string **ReadVariable** [get, set]
- object **ReadValue** [get, set]
- List< **ValueColor** > **RunColor** [get, set]

Additional Inherited Members

6.59.1 Detailed Description

Interaction logic for PipeL.xml

PipeL (p. 140)

6.59.2 Constructor & Destructor Documentation

6.59.2.1 PipeL()

```
ObjectLibrary.PipeL.PipeL ( )
```

6.59.3 Member Function Documentation

6.59.3.1 InitializeComponent() [1/2]

```
void ObjectLibrary.PipeL.InitializeComponent ( )
```

InitializeComponent

6.59.3.2 InitializeComponent() [2/2]

```
void ObjectLibrary.PipeL.InitializeComponent ( )
```

InitializeComponent

6.59.4 Property Documentation

6.59.4.1 BackColor

Color ObjectLibrary.PipeL.BackColor [get], [set]

6.59.4.2 Device

Device ObjectLibrary.PipeL.Device [get], [set]

6.59.4.3 LeftShift

double ObjectLibrary.PipeL.LeftShift [get], [set]

6.59.4.4 ObjectHeight

double ObjectLibrary.PipeL.ObjectHeight [get], [set]

6.59.4.5 ObjectWidth

double ObjectLibrary.PipeL.ObjectWidth [get], [set]

6.59.4.6 ReadValue

object ObjectLibrary.PipeL.ReadValue [get], [set]

6.59.4.7 ReadVariable

string ObjectLibrary.PipeL.ReadVariable [get], [set]

6.59.4.8 Rotation

```
int ObjectLibrary.PipeL.Rotation [get], [set]
```

6.59.4.9 RunColor

```
List< ValueColor> ObjectLibrary.PipeL.RunColor [get], [set]
```

6.59.4.10 TopShift

```
double ObjectLibrary.PipeL.TopShift [get], [set]
```

6.59.4.11 Typ

```
string ObjectLibrary.PipeL.Typ [get]
```

6.59.4.12 ZIndex

```
int ObjectLibrary.PipeL.ZIndex [get], [set]
```

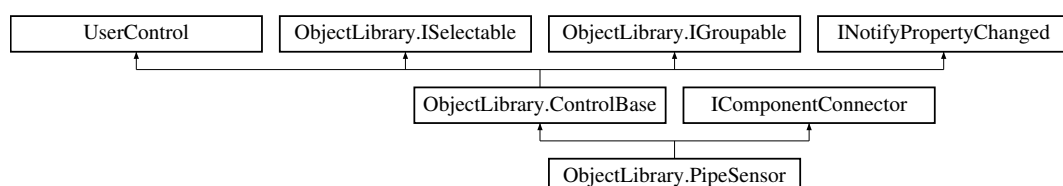
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Pipe/ **PipeL.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/ **PipeL.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/ **PipeL.g.i.cs**

6.60 ObjectLibrary.PipeSensor Class Reference

PipeSensor (p. 143)

Inheritance diagram for ObjectLibrary.PipeSensor:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

Additional Inherited Members

6.60.1 Detailed Description

PipeSensor (p. 143)

6.60.2 Member Function Documentation

6.60.2.1 InitializeComponent()

```
void ObjectLibrary.PipeSensor.InitializeComponent ( )
```

InitializeComponent

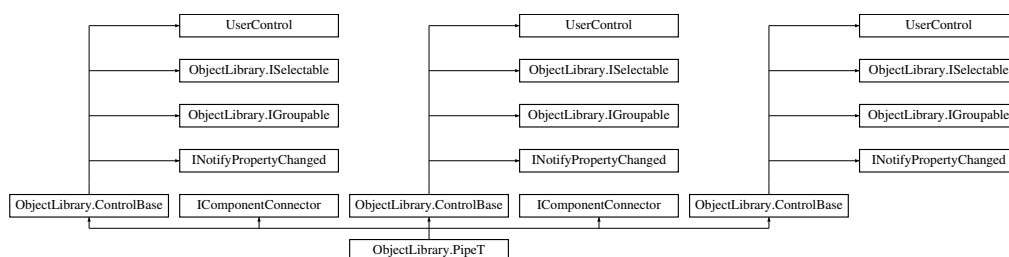
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/ **PipeSensor.g.i.cs**

6.61 ObjectLibrary.PipeT Class Reference

Interaction logic for PipeT.xaml

Inheritance diagram for ObjectLibrary.PipeT:



Public Member Functions

- **PipeT** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- int **Rotation** [get, set]
- Device **Device** [get, set]
- string **ReadVariable** [get, set]
- object **ReadValue** [get, set]
- List< **ValueColor** > **RunColor** [get, set]

Additional Inherited Members

6.61.1 Detailed Description

Interaction logic for PipeT.xml

PipeT (p. 144)

6.61.2 Constructor & Destructor Documentation

6.61.2.1 PipeT()

```
ObjectLibrary.PipeT.PipeT ( )
```

6.61.3 Member Function Documentation

6.61.3.1 InitializeComponent() [1/2]

```
void ObjectLibrary.PipeT.InitializeComponent ( )
```

InitializeComponent

6.61.3.2 InitializeComponent() [2/2]

```
void ObjectLibrary.PipeT.InitializeComponent ( )
```

InitializeComponent

6.61.4 Property Documentation

6.61.4.1 BackColor

`Color ObjectLibrary.PipeT.BackColor [get], [set]`

6.61.4.2 Device

Device `ObjectLibrary.PipeT.Device [get], [set]`

6.61.4.3 LeftShift

`double ObjectLibrary.PipeT.LeftShift [get], [set]`

6.61.4.4 ObjectHeight

`double ObjectLibrary.PipeT.ObjectHeight [get], [set]`

6.61.4.5 ObjectWidth

`double ObjectLibrary.PipeT.ObjectWidth [get], [set]`

6.61.4.6 ReadValue

`object ObjectLibrary.PipeT.ReadValue [get], [set]`

6.61.4.7 ReadVariable

`string ObjectLibrary.PipeT.ReadVariable [get], [set]`

6.61.4.8 Rotation

```
int ObjectLibrary.PipeT.Rotation [get], [set]
```

6.61.4.9 RunColor

```
List< ValueColor> ObjectLibrary.PipeT.RunColor [get], [set]
```

6.61.4.10 TopShift

```
double ObjectLibrary.PipeT.TopShift [get], [set]
```

6.61.4.11 Typ

```
string ObjectLibrary.PipeT.Typ [get]
```

6.61.4.12 ZIndex

```
int ObjectLibrary.PipeT.ZIndex [get], [set]
```

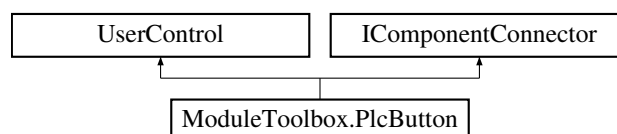
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Pipe/ **PipeT.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/ **PipeT.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/ **PipeT.g.i.cs**

6.62 ModuleToolbox.PlcButton Class Reference

PlcButton (p. 147)

Inheritance diagram for ModuleToolbox.PlcButton:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

6.62.1 Detailed Description

PlcButton (p. 147)

6.62.2 Member Function Documentation

6.62.2.1 InitializeComponent()

```
void ModuleToolbox.PlcButton.InitializeComponent ( )
```

InitializeComponent

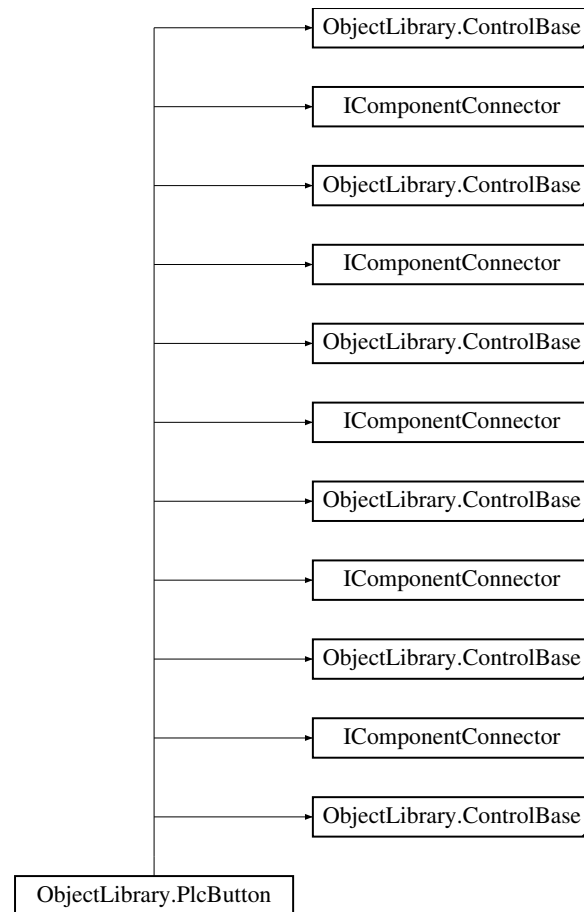
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/Resources/UserControl/ **PlcButton.g.i.cs**

6.63 ObjectLibrary.PlcButton Class Reference

Interaction logic for PlcButton.xaml

Inheritance diagram for ObjectLibrary.PlcButton:



Public Member Functions

- **PlcButton** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]

- Color **ForeColor** [get, set]
- FontFamily **Font_Family** [get, set]
- double **Font_Size** [get, set]
- FontStyle **Font_Style** [get, set]
- FontWeight **Font_Weight** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- HorizontalAlignment **Horizontal** [get, set]
- VerticalAlignment **Vertical** [get, set]
- string **Text** [get, set]
- **Device Device** [get, set]
- string **ReadVariable** [get, set]
- string **WriteVariable** [get, set]
- **UserLevels UserLevel** [get, set]
- object **ReadValue** [get, set]
- List< **ValueColor** > **RunColor** [get, set]

Additional Inherited Members

6.63.1 Detailed Description

Interaction logic for PlcButton.xaml

PlcButton (p. 148)

6.63.2 Constructor & Destructor Documentation

6.63.2.1 PlcButton()

```
ObjectLibrary.PlcButton.PlcButton ( )
```

6.63.3 Member Function Documentation

6.63.3.1 InitializeComponent() [1/5]

```
void ObjectLibrary.PlcButton.InitializeComponent ( )
```

InitializeComponent

6.63.3.2 InitializeComponent() [2/5]

```
void ObjectLibrary.PlcButton.InitializeComponent ( )
```

InitializeComponent

6.63.3.3 InitializeComponent() [3/5]

```
void ObjectLibrary.PlcButton.InitializeComponent ( )
```

InitializeComponent

6.63.3.4 InitializeComponent() [4/5]

```
void ObjectLibrary.PlcButton.InitializeComponent ( )
```

InitializeComponent

6.63.3.5 InitializeComponent() [5/5]

```
void ObjectLibrary.PlcButton.InitializeComponent ( )
```

InitializeComponent

6.63.4 Property Documentation**6.63.4.1 BackColor**

```
Color ObjectLibrary.PlcButton.BackColor [get], [set]
```

6.63.4.2 Border_Color

```
Color ObjectLibrary.PlcButton.Border_Color [get], [set]
```

6.63.4.3 Border_Thickness

`int ObjectLibrary.PlcButton.Border_Thickness [get], [set]`

6.63.4.4 Device

Device `ObjectLibrary.PlcButton.Device [get], [set]`

6.63.4.5 Font_Family

`FontFamily ObjectLibrary.PlcButton.Font_Family [get], [set]`

6.63.4.6 Font_Size

`double ObjectLibrary.PlcButton.Font_Size [get], [set]`

6.63.4.7 Font_Style

`FontStyle ObjectLibrary.PlcButton.Font_Style [get], [set]`

6.63.4.8 Font_Weight

`FontWeight ObjectLibrary.PlcButton.Font_Weight [get], [set]`

6.63.4.9 ForeColor

`Color ObjectLibrary.PlcButton.ForeColor [get], [set]`

6.63.4.10 Horizontal

`HorizontalAlignment ObjectLibrary.PlcButton.Horizontal [get], [set]`

6.63.4.11 LeftShift

double ObjectLibrary.PlcButton.LeftShift [get], [set]

6.63.4.12 ObjectHeight

double ObjectLibrary.PlcButton.ObjectHeight [get], [set]

6.63.4.13 ObjectWidth

double ObjectLibrary.PlcButton.ObjectWidth [get], [set]

6.63.4.14 ReadValue

object ObjectLibrary.PlcButton.ReadValue [get], [set]

6.63.4.15 ReadVariable

string ObjectLibrary.PlcButton.ReadVariable [get], [set]

6.63.4.16 RunColor

List< **ValueColor**> ObjectLibrary.PlcButton.RunColor [get], [set]

6.63.4.17 Text

string ObjectLibrary.PlcButton.Text [get], [set]

6.63.4.18 TopShift

double ObjectLibrary.PlcButton.TopShift [get], [set]

6.63.4.19 Typ

```
string ObjectLibrary.PlcButton.Type [get]
```

6.63.4.20 UserLevel

```
UserLevels ObjectLibrary.PlcButton.UserLevel [get], [set]
```

6.63.4.21 Vertical

```
VerticalAlignment ObjectLibrary.PlcButton.Vertical [get], [set]
```

6.63.4.22 WriteVariable

```
string ObjectLibrary.PlcButton.WriteVariable [get], [set]
```

6.63.4.23 ZIndex

```
int ObjectLibrary.PlcButton.ZIndex [get], [set]
```

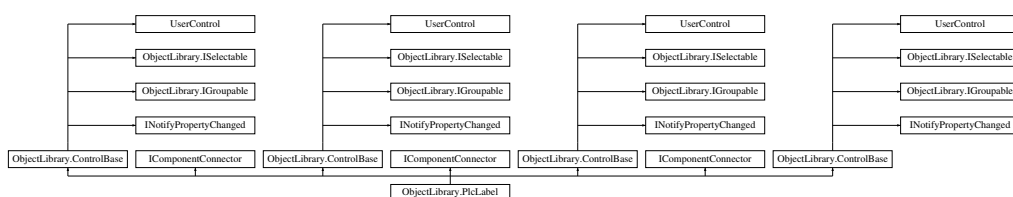
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Standard/ **PlcButton.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pages/ **PlcButton - Copy.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ **PlcButton.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ **PlcButton.g.i.cs**

6.64 ObjectLibrary.PlcLabel Class Reference

Interaction logic for PlcLabel.xaml

Inheritance diagram for ObjectLibrary.PlcLabel:



Public Member Functions

- **PlcLabel** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **ForeColor** [get, set]
- FontFamily **Font_Family** [get, set]
- double **Font_Size** [get, set]
- FontStyle **Font_Style** [get, set]
- FontWeight **Font_Weight** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- HorizontalAlignment **Horizontal** [get, set]
- VerticalAlignment **Vertical** [get, set]
- string **Text** [get, set]
- **Device Device** [get, set]
- string **ReadVariable** [get, set]
- string **Floating** [get, set]
- object **ReadValue** [get, set]
- List< **ValueToText** > **ValueToText** [get, set]

Additional Inherited Members

6.64.1 Detailed Description

Interaction logic for PlcLabel.xaml

PlcLabel (p. 154)

6.64.2 Constructor & Destructor Documentation

6.64.2.1 PlcLabel()

`ObjectLibrary.PlcLabel.PlcLabel ()`

6.64.3 Member Function Documentation

6.64.3.1 InitializeComponent() [1/3]

`void ObjectLibrary.PlcLabel.InitializeComponent ()`

InitializeComponent

6.64.3.2 InitializeComponent() [2/3]

`void ObjectLibrary.PlcLabel.InitializeComponent ()`

InitializeComponent

6.64.3.3 InitializeComponent() [3/3]

`void ObjectLibrary.PlcLabel.InitializeComponent ()`

InitializeComponent

6.64.4 Property Documentation

6.64.4.1 BackColor

`Color ObjectLibrary.PlcLabel.BackColor [get], [set]`

6.64.4.2 Border_Color

`Color ObjectLibrary.PlcLabel.Border_Color [get], [set]`

6.64.4.3 Border_Thickness

`int ObjectLibrary.PlcLabel.Border_Thickness [get], [set]`

6.64.4.4 Device

Device `ObjectLibrary.PlcLabel.Device [get], [set]`

6.64.4.5 Floating

`string ObjectLibrary.PlcLabel.Floating [get], [set]`

6.64.4.6 Font_Family

`FontFamily ObjectLibrary.PlcLabel.Font_Family [get], [set]`

6.64.4.7 Font_Size

`double ObjectLibrary.PlcLabel.Font_Size [get], [set]`

6.64.4.8 Font_Style

`FontStyle ObjectLibrary.PlcLabel.Font_Style [get], [set]`

6.64.4.9 Font_Weight

`FontWeight ObjectLibrary.PlcLabel.Font_Weight [get], [set]`

6.64.4.10 ForeColor

`Color ObjectLibrary.PlcLabel.ForeColor [get], [set]`

6.64.4.11 Horizontal

HorizontalAlignment ObjectLibrary.PlcLabel.Horizontal [get], [set]

6.64.4.12 LeftShift

double ObjectLibrary.PlcLabel.LeftShift [get], [set]

6.64.4.13 ObjectHeight

double ObjectLibrary.PlcLabel.ObjectHeight [get], [set]

6.64.4.14 ObjectWidth

double ObjectLibrary.PlcLabel.ObjectWidth [get], [set]

6.64.4.15 ReadValue

object ObjectLibrary.PlcLabel.ReadValue [get], [set]

6.64.4.16 ReadVariable

string ObjectLibrary.PlcLabel.ReadVariable [get], [set]

6.64.4.17 Text

string ObjectLibrary.PlcLabel.Text [get], [set]

6.64.4.18 TopShift

double ObjectLibrary.PlcLabel.TopShift [get], [set]

6.64.4.19 Typ

```
string ObjectLibrary.PlcLabel.Typ [get]
```

6.64.4.20 ValueToText

```
List< ValueToText> ObjectLibrary.PlcLabel.ValueToText [get], [set]
```

6.64.4.21 Vertical

```
VerticalAlignment ObjectLibrary.PlcLabel.Vertical [get], [set]
```

6.64.4.22 ZIndex

```
int ObjectLibrary.PlcLabel.ZIndex [get], [set]
```

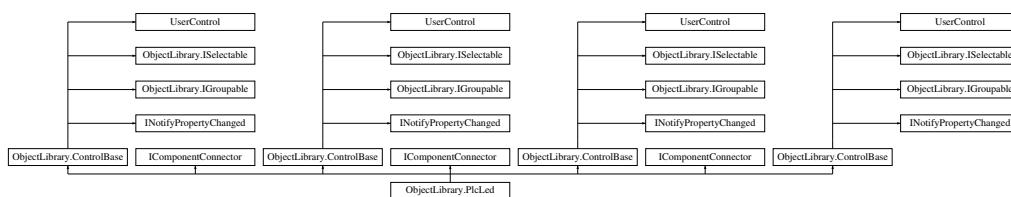
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Standard/ **PlcLabel.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ **PlcLabel.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ **PlcLabel.g.i.cs**

6.65 ObjectLibrary.PlcLed Class Reference

Interaction logic for PlcLed.xaml

Inheritance diagram for ObjectLibrary.PlcLed:



Public Member Functions

- **PlcLed ()**
- void **InitializeComponent ()**
InitializeComponent
- void **InitializeComponent ()**
InitializeComponent
- void **InitializeComponent ()**
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- **Device Device** [get, set]
- string **ReadVariable** [get, set]
- string **WriteVariable** [get, set]
- object **ReadValue** [get, set]
- List< **ValueColor** > **RunColor** [get, set]

Additional Inherited Members

6.65.1 Detailed Description

Interaction logic for PlcLed.xml

PlcLed (p. 159)

6.65.2 Constructor & Destructor Documentation

6.65.2.1 PlcLed()

```
ObjectLibrary.PlcLed.PlcLed ( )
```

6.65.3 Member Function Documentation

6.65.3.1 InitializeComponent() [1/3]

```
void ObjectLibrary.PlcLed.InitializeComponent ( )
```

InitializeComponent

6.65.3.2 InitializeComponent() [2/3]

```
void ObjectLibrary.PlcLed.InitializeComponent ( )
```

InitializeComponent

6.65.3.3 InitializeComponent() [3/3]

```
void ObjectLibrary.PlcLed.InitializeComponent ( )
```

InitializeComponent

6.65.4 Property Documentation

6.65.4.1 BackColor

```
Color ObjectLibrary.PlcLed.BackColor [get], [set]
```

6.65.4.2 Border_Color

```
Color ObjectLibrary.PlcLed.Border_Color [get], [set]
```

6.65.4.3 Border_Thickness

```
int ObjectLibrary.PlcLed.Border_Thickness [get], [set]
```

6.65.4.4 Device

```
Device ObjectLibrary.PlcLed.Device [get], [set]
```

6.65.4.5 LeftShift

```
double ObjectLibrary.PlcLed.LeftShift [get], [set]
```

6.65.4.6 ObjectHeight

`double ObjectLibrary.PlcLed.ObjectHeight [get], [set]`

6.65.4.7 ObjectWidth

`double ObjectLibrary.PlcLed.ObjectWidth [get], [set]`

6.65.4.8 ReadValue

`object ObjectLibrary.PlcLed.ReadValue [get], [set]`

6.65.4.9 ReadVariable

`string ObjectLibrary.PlcLed.ReadVariable [get], [set]`

6.65.4.10 RunColor

`List< ValueColor> ObjectLibrary.PlcLed.RunColor [get], [set]`

6.65.4.11 TopShift

`double ObjectLibrary.PlcLed.TopShift [get], [set]`

6.65.4.12 Typ

`string ObjectLibrary.PlcLed.Typ [get]`

6.65.4.13 WriteVariable

`string ObjectLibrary.PlcLed.WriteVariable [get], [set]`

6.65.4.14 ZIndex

```
int ObjectLibrary.PlcLed.ZIndex [get], [set]
```

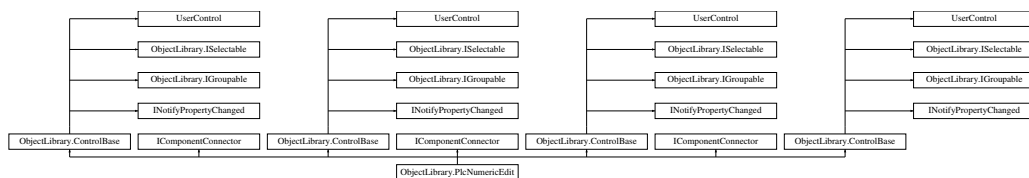
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Standard/ **PlcLed.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ **PlcLed.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ **PlcLed.g.i.cs**

6.66 ObjectLibrary.PlcNumericEdit Class Reference

Interaction logic for PlcNumericEdit.xaml

Inheritance diagram for ObjectLibrary.PlcNumericEdit:



Public Member Functions

- **PlcNumericEdit ()**
- void **InitializeComponent ()**
InitializeComponent
- void **InitializeComponent ()**
InitializeComponent
- void **InitializeComponent ()**
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **ForeColor** [get, set]
- FontFamily **Font_Family** [get, set]
- double **Font_Size** [get, set]
- FontStyle **Font_Style** [get, set]
- FontWeight **Font_Weight** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- HorizontalAlignment **Horizontal** [get, set]

- VerticalAlignment **Vertical** [get, set]
- string **Text** [get, set]
- string **Value** [get, set]
- **Device Device** [get, set]
- string **ReadVariable** [get, set]
- string **WriteVariable** [get, set]
- **UserLevels UserLevel** [get, set]
- object **ReadValue** [get, set]
- double **LimitL** [get, set]
- double **LimitH** [get, set]
- double **Step** [get, set]

Additional Inherited Members

6.66.1 Detailed Description

Interaction logic for PlcNumericEdit.xaml

PlcNumericEdit (p. 163)

6.66.2 Constructor & Destructor Documentation

6.66.2.1 PlcNumericEdit()

```
ObjectLibrary.PlcNumericEdit.PlcNumericEdit ( )
```

6.66.3 Member Function Documentation

6.66.3.1 InitializeComponent() [1/3]

```
void ObjectLibrary.PlcNumericEdit.InitializeComponent ( )
```

InitializeComponent

6.66.3.2 InitializeComponent() [2/3]

```
void ObjectLibrary.PlcNumericEdit.InitializeComponent ( )
```

InitializeComponent

6.66.3.3 InitializeComponent() [3/3]

```
void ObjectLibrary.PlcNumericEdit.InitializeComponent ( )
```

InitializeComponent

6.66.4 Property Documentation

6.66.4.1 BackColor

```
Color ObjectLibrary.PlcNumericEdit.BackColor [get], [set]
```

6.66.4.2 Border_Color

```
Color ObjectLibrary.PlcNumericEdit.Border_Color [get], [set]
```

6.66.4.3 Border_Thickness

```
int ObjectLibrary.PlcNumericEdit.Border_Thickness [get], [set]
```

6.66.4.4 Device

```
Device ObjectLibrary.PlcNumericEdit.Device [get], [set]
```

6.66.4.5 Font_Family

```
FontFamily ObjectLibrary.PlcNumericEdit.Font_Family [get], [set]
```

6.66.4.6 Font_Size

```
double ObjectLibrary.PlcNumericEdit.Font_Size [get], [set]
```

6.66.4.7 Font_Style

FontStyle ObjectLibrary.PlcNumericEdit.Font_Style [get], [set]

6.66.4.8 Font_Weight

FontWeight ObjectLibrary.PlcNumericEdit.Font_Weight [get], [set]

6.66.4.9 ForeColor

Color ObjectLibrary.PlcNumericEdit.ForeColor [get], [set]

6.66.4.10 Horizontal

HorizontalAlignment ObjectLibrary.PlcNumericEdit.Horizontal [get], [set]

6.66.4.11 LeftShift

double ObjectLibrary.PlcNumericEdit.LeftShift [get], [set]

6.66.4.12 LimitH

double ObjectLibrary.PlcNumericEdit.LimitH [get], [set]

6.66.4.13 LimitL

double ObjectLibrary.PlcNumericEdit.LimitL [get], [set]

6.66.4.14 ObjectHeight

double ObjectLibrary.PlcNumericEdit.ObjectHeight [get], [set]

6.66.4.15 ObjectWidth

double ObjectLibrary.PlcNumericEdit.ObjectWidth [get], [set]

6.66.4.16 ReadValue

object ObjectLibrary.PlcNumericEdit.ReadValue [get], [set]

6.66.4.17 ReadVariable

string ObjectLibrary.PlcNumericEdit.ReadVariable [get], [set]

6.66.4.18 Step

double ObjectLibrary.PlcNumericEdit.Step [get], [set]

6.66.4.19 Text

string ObjectLibrary.PlcNumericEdit.Text [get], [set]

6.66.4.20 TopShift

double ObjectLibrary.PlcNumericEdit.TopShift [get], [set]

6.66.4.21 Typ

string ObjectLibrary.PlcNumericEdit.Typ [get]

6.66.4.22 UserLevel

UserLevels ObjectLibrary.PlcNumericEdit.UserLevel [get], [set]

6.66.4.23 Value

```
string ObjectLibrary.PlcNumericEdit.Value [get], [set]
```

6.66.4.24 Vertical

```
VerticalAlignment ObjectLibrary.PlcNumericEdit.Vertical [get], [set]
```

6.66.4.25 WriteVariable

```
string ObjectLibrary.PlcNumericEdit.WriteVariable [get], [set]
```

6.66.4.26 ZIndex

```
int ObjectLibrary.PlcNumericEdit.ZIndex [get], [set]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Standard/ **PlcNumericEdit.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ **PlcNumericEdit.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/ **PlcNumericEdit.g.i.cs**

6.67 ObjectLibrary.ProcessJournal Class Reference

Properties

- int **id** [get, set]
- string **UserName** [get, set]
- DateTime **date** [get, set]
- string **Description** [get, set]

6.67.1 Property Documentation

6.67.1.1 date

```
DateTime ObjectLibrary.ProcessJournal.date [get], [set]
```


6.67.1.2 Description

```
string ObjectLibrary.ProcessJournal.Description [get], [set]
```

6.67.1.3 id

```
int ObjectLibrary.ProcessJournal.id [get], [set]
```

6.67.1.4 UserName

```
string ObjectLibrary.ProcessJournal.UserName [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Journal/ **ProcessJournal.cs**

6.68 ObjectLibrary.ProjectSolution Class Reference

Properties

- string **Name** [get, set]
- string **Path** [get, set]
- **User Users** [get, set]
- **Alarm Alarms** [get, set]
- **Properties Property** [get, set]
- **Design Design** [get, set]
- **Menu Menu** [get, set]
- **DeviceFolder FolderDevice** [get, set]
- **ScreenFolder FolderScreen** [get, set]
- IList< object > **Items** [get]

6.68.1 Property Documentation

6.68.1.1 Alarms

```
Alarm ObjectLibrary.ProjectSolution.Alarms [get], [set]
```

6.68.1.2 Design

Design ObjectLibrary.ProjectSolution.Design [get], [set]

6.68.1.3 FolderDevice

DeviceFolder ObjectLibrary.ProjectSolution.FolderDevice [get], [set]

6.68.1.4 FolderScreen

ScreenFolder ObjectLibrary.ProjectSolution.FolderScreen [get], [set]

6.68.1.5 Items

ICollection<object> ObjectLibrary.ProjectSolution.Items [get]

6.68.1.6 Menu

Menu ObjectLibrary.ProjectSolution.Menu [get], [set]

6.68.1.7 Name

string ObjectLibrary.ProjectSolution.Name [get], [set]

6.68.1.8 Path

string ObjectLibrary.ProjectSolution.Path [get], [set]

6.68.1.9 Property

Properties ObjectLibrary.ProjectSolution.Property [get], [set]

6.68.1.10 Users

User ObjectLibrary.ProjectSolution.Users [get], [set]

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ **ProjectSolution.cs**

6.69 ObjectLibrary.Properties Class Reference

Properties

- int **VisualisationWidth** [get, set]
- int **VisualisationHeight** [get, set]

6.69.1 Property Documentation

6.69.1.1 VisualisationHeight

int ObjectLibrary.Properties.VisualisationHeight [get], [set]

6.69.1.2 VisualisationWidth

int ObjectLibrary.Properties.VisualisationWidth [get], [set]

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ **Properties.cs**

6.70 ObjectLibrary.PropertyObject Class Reference

Public Member Functions

- **PropertyObject** (object **PropertyObj**)

Properties

- object **PropertyObj** [get, set]

6.70.1 Constructor & Destructor Documentation

6.70.1.1 PropertyObject()

```
ObjectLibrary.PropertyObject.PropertyObject (
    object PropertyObj )
```

6.70.2 Property Documentation

6.70.2.1 PropertyObj

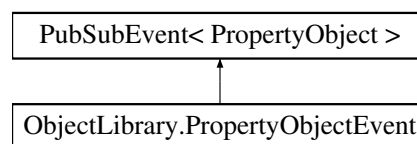
```
object ObjectLibrary.PropertyObject.PropertyObj [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/ **PropertyObject.cs**

6.71 ObjectLibrary.PropertyObjectEvent Class Reference

Inheritance diagram for ObjectLibrary.PropertyObjectEvent:



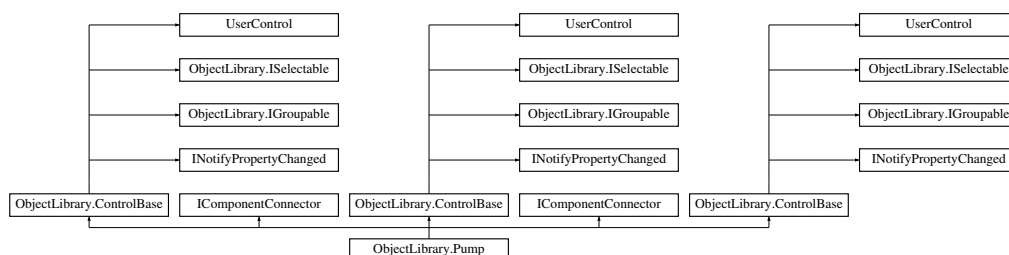
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/ **PropertyObject.cs**

6.72 ObjectLibrary.Pump Class Reference

Interaction logic for Pump.xaml

Inheritance diagram for ObjectLibrary.Pump:



Public Member Functions

- **Pump** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- int **Rotation** [get, set]
- **Device Device** [get, set]
- string **ReadVariable** [get, set]
- string **ReadError** [get, set]
- object **ReadValue** [get, set]
- object **ReadErrorValue** [get, set]
- List< **ValueColor** > **RunColor** [get, set]

Additional Inherited Members

6.72.1 Detailed Description

Interaction logic for Pump.xaml

Pump (p. 172)

6.72.2 Constructor & Destructor Documentation

6.72.2.1 Pump()

ObjectLibrary.Pump.Pump ()

6.72.3 Member Function Documentation

6.72.3.1 InitializeComponent() [1/2]

```
void ObjectLibrary.Pump.InitializeComponent ( )
```

InitializeComponent

6.72.3.2 InitializeComponent() [2/2]

```
void ObjectLibrary.Pump.InitializeComponent ( )
```

InitializeComponent

6.72.4 Property Documentation**6.72.4.1 BackColor**

```
Color ObjectLibrary.Pump.BackColor [get], [set]
```

6.72.4.2 Device

```
Device ObjectLibrary.Pump.Device [get], [set]
```

6.72.4.3 LeftShift

```
double ObjectLibrary.Pump.LeftShift [get], [set]
```

6.72.4.4 ObjectHeight

```
double ObjectLibrary.Pump.ObjectHeight [get], [set]
```

6.72.4.5 ObjectWidth

```
double ObjectLibrary.Pump.ObjectWidth [get], [set]
```

6.72.4.6 ReadError

string ObjectLibrary.Pump.ReadError [get], [set]

6.72.4.7 ReadErrorValue

object ObjectLibrary.Pump.ReadErrorValue [get], [set]

6.72.4.8 ReadValue

object ObjectLibrary.Pump.ReadValue [get], [set]

6.72.4.9 ReadVariable

string ObjectLibrary.Pump.ReadVariable [get], [set]

6.72.4.10 Rotation

int ObjectLibrary.Pump.Rotation [get], [set]

6.72.4.11 RunColor

List< **ValueColor**> ObjectLibrary.Pump.RunColor [get], [set]

6.72.4.12 TopShift

double ObjectLibrary.Pump.TopShift [get], [set]

6.72.4.13 Typ

string ObjectLibrary.Pump.Typ [get]

6.72.4.14 ZIndex

```
int ObjectLibrary.Pump.ZIndex [get], [set]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Industrial/ **Pump.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Pump.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Pump.g.i.cs**

6.73 ObjectLibrary.ReadColor Class Reference

Properties

- Color **Color** [get, set]
- string **ReadValue** [get, set]
- string **Title** [get, set]

6.73.1 Property Documentation

6.73.1.1 Color

```
Color ObjectLibrary.ReadColor.Color [get], [set]
```

6.73.1.2 ReadValue

```
string ObjectLibrary.ReadColor.ReadValue [get], [set]
```

6.73.1.3 Title

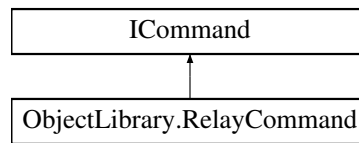
```
string ObjectLibrary.ReadColor.Title [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Properties/ **ReadColor.cs**

6.74 ObjectLibrary.RelayCommand Class Reference

Inheritance diagram for ObjectLibrary.RelayCommand:



Public Member Functions

- **RelayCommand** (**Action**< object > execute)
- **RelayCommand** (**Action**< object > execute, **Predicate**< object > canExecute)
- bool **CanExecute** (object parameter)
- void **Execute** (object parameter)

Properties

- EventHandler **CanExecuteChanged**

6.74.1 Constructor & Destructor Documentation

6.74.1.1 RelayCommand() [1/2]

```
ObjectLibrary.RelayCommand.RelayCommand (
    Action< object > execute )
```

6.74.1.2 RelayCommand() [2/2]

```
ObjectLibrary.RelayCommand.RelayCommand (
    Action< object > execute,
    Predicate< object > canExecute )
```

6.74.2 Member Function Documentation

6.74.2.1 CanExecute()

```
bool ObjectLibrary.RelayCommand.CanExecute (
    object parameter )
```

6.74.2.2 Execute()

```
void ObjectLibrary.RelayCommand.Execute (
    object parameter )
```

6.74.3 Property Documentation

6.74.3.1 CanExecuteChanged

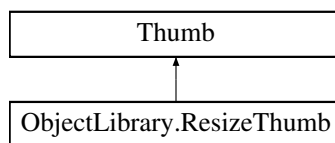
```
EventHandler ObjectLibrary.RelayCommand.CanExecuteChanged [add], [remove]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Commands/ **RelayCommand.cs**

6.75 ObjectLibrary.ResizeThumb Class Reference

Inheritance diagram for ObjectLibrary.ResizeThumb:



Public Member Functions

- **ResizeThumb ()**

6.75.1 Constructor & Destructor Documentation

6.75.1.1 ResizeThumb()

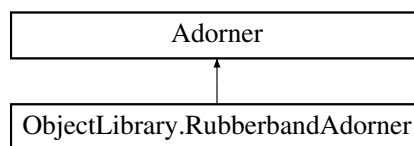
```
ObjectLibrary.ResizeThumb.ResizeThumb ( )
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/ **ResizeThumb.cs**

6.76 ObjectLibrary.RubberbandAdorner Class Reference

Inheritance diagram for ObjectLibrary.RubberbandAdorner:



Public Member Functions

- **RubberbandAdorner** (**WorkSpace** designerCanvas, Point? dragStartPoint)

Protected Member Functions

- override void **OnMouseMove** (System.Windows.Input.MouseEventArgs e)
- override void **OnMouseUp** (System.Windows.Input.MouseButtonEventArgs e)
- override void **OnRender** (DrawingContext dc)

6.76.1 Constructor & Destructor Documentation

6.76.1.1 RubberbandAdorner()

```
ObjectLibrary.RubberbandAdorner.RubberbandAdorner (
    WorkSpace designerCanvas,
    Point? dragStartPoint )
```

6.76.2 Member Function Documentation

6.76.2.1 OnMouseMove()

```
override void ObjectLibrary.RubberbandAdorner.OnMouseMove (
    System.Windows.Input.MouseEventArgs e ) [protected]
```

6.76.2.2 OnMouseUp()

```
override void ObjectLibrary.RubberbandAdorner.OnMouseUp (
    System.Windows.Input.MouseButtonEventArgs e ) [protected]
```

6.76.2.3 OnRender()

```
override void ObjectLibrary.RubberbandAdorner.OnRender (
    DrawingContext dc ) [protected]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/ **RubberbandAdorner.cs**

6.77 ObjectLibrary.Screen Class Reference

Properties

- **ScreenFolder Parent** [get, set]
- **WorkSpace workSpace** [get, set]

6.77.1 Property Documentation

6.77.1.1 Parent

```
ScreenFolder ObjectLibrary.Screen.Parent [get], [set]
```

6.77.1.2 workSpace

```
WorkSpace ObjectLibrary.Screen.workSpace [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ **Screen.cs**

6.78 ObjectLibrary.ScreenFolder Class Reference

Public Member Functions

- **ScreenFolder** ()

Properties

- **ProjectSolution Parent** [get, set]
- **ObservableCollection< Screen > Screens** [get, set]

6.78.1 Constructor & Destructor Documentation

6.78.1.1 ScreenFolder()

```
ObjectLibrary.ScreenFolder.ScreenFolder ( )
```

6.78.2 Property Documentation

6.78.2.1 Parent

```
ProjectSolution ObjectLibrary.ScreenFolder.Parent [get], [set]
```

6.78.2.2 Screens

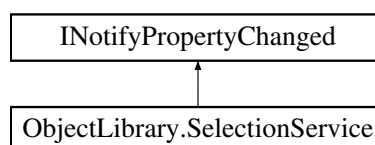
```
ObservableCollection< Screen> ObjectLibrary.ScreenFolder.Screens [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ **ScreenFolder.cs**

6.79 ObjectLibrary.SelectionService Class Reference

Inheritance diagram for ObjectLibrary.SelectionService:



Public Member Functions

- **SelectionService** (Canvas canvas)
- void **SelectItem** (**ISelectable** item)
- void **AddToSelection** (**ISelectable** item)
- void **RemoveFromSelection** (**ISelectable** item)
- void **ClearSelection** ()
- void **SelectAll** ()
- List< **IGroupable** > **GetGroupMembers** (**IGroupable** item)

Properties

- Object **LastSelected** [get, set]
- List< **ISelectable** > **CurrentSelection** [get]

Events

- PropertyChangedEventHandler **PropertyChanged**

6.79.1 Constructor & Destructor Documentation

6.79.1.1 SelectionService()

```
ObjectLibrary.SelectionService.SelectionService (
    Canvas canvas )
```

6.79.2 Member Function Documentation

6.79.2.1 AddToSelection()

```
void ObjectLibrary.SelectionService.AddToSelection (
    ISelectable item )
```

6.79.2.2 ClearSelection()

```
void ObjectLibrary.SelectionService.ClearSelection ( )
```

6.79.2.3 GetGroupMembers()

```
List< IGroupable> ObjectLibrary.SelectionService.GetGroupMembers (
    IGroupable item )
```

6.79.2.4 RemoveFromSelection()

```
void ObjectLibrary.SelectionService.RemoveFromSelection (
    ISelectable item )
```

6.79.2.5 SelectAll()

```
void ObjectLibrary.SelectionService.SelectAll ( )
```

6.79.2.6 SelectItem()

```
void ObjectLibrary.SelectionService.SelectItem (
    ISelectable item )
```

6.79.3 Property Documentation

6.79.3.1 CurrentSelection

```
List< ISelectable> ObjectLibrary.SelectionService.CurrentSelection [get]
```

6.79.3.2 LastSelected

```
Object ObjectLibrary.SelectionService.LastSelected [get], [set]
```

6.79.4 Event Documentation

6.79.4.1 PropertyChanged

PropertyChangedEventHandler ObjectLibrary.SelectionService.PropertyChanged

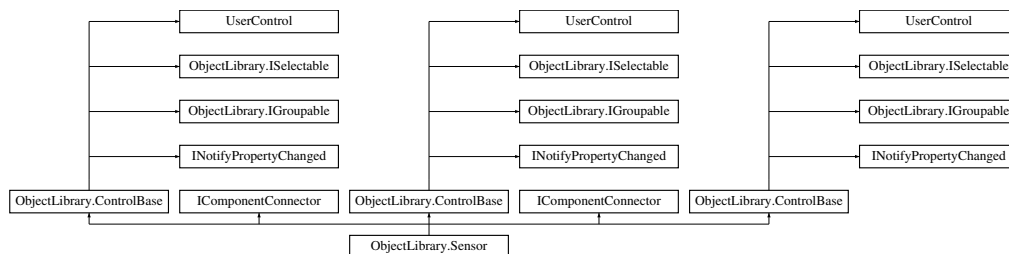
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/ **SelectionService.cs**

6.80 ObjectLibrary.Sensor Class Reference

Interaction logic for Sensor.xaml

Inheritance diagram for ObjectLibrary.Sensor:



Public Member Functions

- **Sensor ()**
- void **InitializeComponent ()**
InitializeComponent
- void **InitializeComponent ()**
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- int **Rotation** [get, set]
- Device **Device** [get, set]
- string **ReadVariable** [get, set]
- object **ReadValue** [get, set]
- List< **ValueColor** > **RunColor** [get, set]

Additional Inherited Members

6.80.1 Detailed Description

Interaction logic for Sensor.xaml

Sensor (p. 184)

6.80.2 Constructor & Destructor Documentation

6.80.2.1 Sensor()

```
ObjectLibrary.Sensor.Sensor ( )
```

6.80.3 Member Function Documentation

6.80.3.1 InitializeComponent() [1/2]

```
void ObjectLibrary.Sensor.InitializeComponent ( )
```

InitializeComponent

6.80.3.2 InitializeComponent() [2/2]

```
void ObjectLibrary.Sensor.InitializeComponent ( )
```

InitializeComponent

6.80.4 Property Documentation

6.80.4.1 BackColor

```
Color ObjectLibrary.Sensor.BackColor [get], [set]
```

6.80.4.2 Device

Device ObjectLibrary.Sensor.Device [get], [set]

6.80.4.3 LeftShift

double ObjectLibrary.Sensor.LeftShift [get], [set]

6.80.4.4 ObjectHeight

double ObjectLibrary.Sensor.ObjectHeight [get], [set]

6.80.4.5 ObjectWidth

double ObjectLibrary.Sensor.ObjectWidth [get], [set]

6.80.4.6 ReadValue

object ObjectLibrary.Sensor.ReadValue [get], [set]

6.80.4.7 ReadVariable

string ObjectLibrary.Sensor.ReadVariable [get], [set]

6.80.4.8 Rotation

int ObjectLibrary.Sensor.Rotation [get], [set]

6.80.4.9 RunColor

List< **ValueColor**> ObjectLibrary.Sensor.RunColor [get], [set]

6.80.4.10 TopShift

```
double ObjectLibrary.Sensor.TopShift [get], [set]
```

6.80.4.11 Typ

```
string ObjectLibrary.Sensor.Typ [get]
```

6.80.4.12 ZIndex

```
int ObjectLibrary.Sensor.ZIndex [get], [set]
```

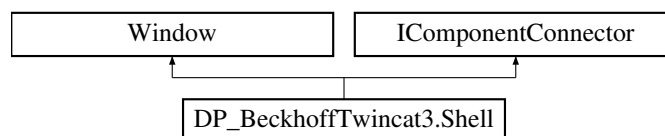
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Industrial/ **Sensor.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Sensor.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Sensor.g.i.cs**

6.81 DP_BeckhoffTwincat3.Shell Class Reference

Shell (p. 187)

Inheritance diagram for DP_BeckhoffTwincat3.Shell:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

6.81.1 Detailed Description

Shell (p. 187)

6.81.2 Member Function Documentation

6.81.2.1 InitializeComponent()

```
void DP_BeckhoffTwincat3.Shell.InitializeComponent ( )
```

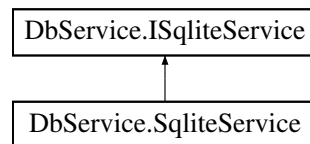
InitializeComponent

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/ **Shell.g.i.cs**

6.82 DbService.SqliteService Class Reference

Inheritance diagram for DbService.SqliteService:



Public Member Functions

- **SqliteService** ()
- void **CreateProject** (string ProjectPath)
- void **OpenProject** (string ProjectPath)
- bool **Login** (string **UserName**, string Password)
- ObservableCollection< string > **GetAlarmTable** (string ProjectPath)
- void **AddUserJournal** (string **UserName**, string Description, string New)
- void **AddProcessJournal** (string **UserName**, string Description)

Properties

- string **UserName** [get, set]
- **UserLevels** **UserLevel** [get, set]

Events

- EventHandler< **UserChangeEvent** > **UserChanged**

6.82.1 Constructor & Destructor Documentation

6.82.1.1 SqliteService()

```
DbService.SqliteService.SqliteService ( )
```

6.82.2 Member Function Documentation

6.82.2.1 AddProcessJournal()

```
void DbService.SqliteService.AddProcessJournal (
    string UserName,
    string Description )
```

Implements **DbService.ISqliteService** (p. 96).

6.82.2.2 AddUserJournal()

```
void DbService.SqliteService.AddUserJournal (
    string UserName,
    string Description,
    string New )
```

Implements **DbService.ISqliteService** (p. 97).

6.82.2.3 CreateProject()

```
void DbService.SqliteService.CreateProject (
    string ProjectPath )
```

Implements **DbService.ISqliteService** (p. 97).

6.82.2.4 GetAlarmTable()

```
ObservableCollection<string> DbService.SqliteService.GetAlarmTable (
    string ProjectPath )
```

Implements **DbService.ISqliteService** (p. 97).

6.82.2.5 Login()

```
bool DbService.SqliteService.Login (
    string UserName,
    string Password )
```

Implements **DbService.ISqliteService** (p. 97).

6.82.2.6 OpenProject()

```
void DbService.SqliteService.OpenProject (
    string ProjectPath )
```

Implements **DbService.ISqliteService** (p. 97).

6.82.3 Property Documentation

6.82.3.1 UserLevel

```
UserLevels DbService.SqliteService.UserLevel [get], [set]
```

6.82.3.2 UserName

```
string DbService.SqliteService.UserName [get], [set]
```

6.82.4 Event Documentation

6.82.4.1 UserChanged

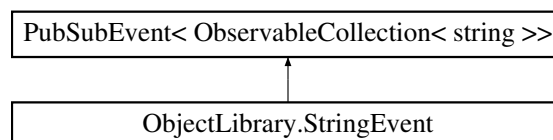
```
EventHandler< UserChangeEvent> DbService.SqliteService.UserChanged
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/SqliteService/ **SqliteService.cs**

6.83 ObjectLibrary.StringEvent Class Reference

Inheritance diagram for ObjectLibrary.StringEvent:



The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/ **StringEvent.cs**

6.84 ObjectLibrary.Tab Class Reference

Public Member Functions

- **Tab** (UIElement content)

Properties

- UIElement **Content** [get, set]

6.84.1 Constructor & Destructor Documentation

6.84.1.1 Tab()

```
ObjectLibrary.Tab.Tab (
    UIElement content )
```

6.84.2 Property Documentation

6.84.2.1 Content

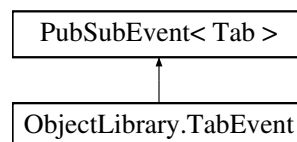
```
UIElement ObjectLibrary.Tab.Content [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/ **Tabs.cs**

6.85 ObjectLibrary.TabEvent Class Reference

Inheritance diagram for ObjectLibrary.TabEvent:



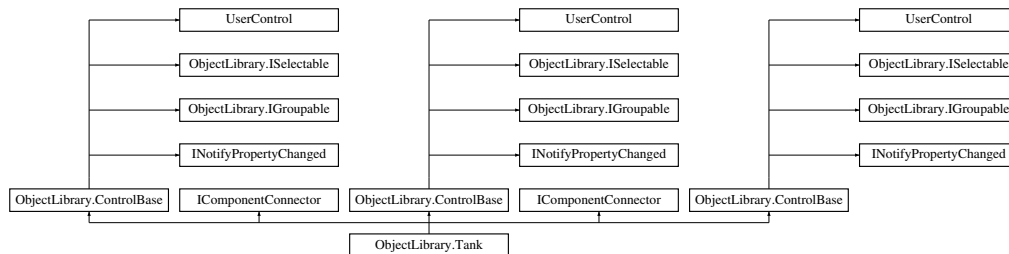
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/ **Tabs.cs**

6.86 ObjectLibrary.Tank Class Reference

Interaction logic for Tank.xaml

Inheritance diagram for ObjectLibrary.Tank:



Public Member Functions

- **Tank** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- int **Rotation** [get, set]
- **Device Device** [get, set]
- string **ReadVariable** [get, set]
- object **ReadValue** [get, set]
- List< **ValueColor** > **RunColor** [get, set]

Additional Inherited Members

6.86.1 Detailed Description

Interaction logic for Tank.xaml

Tank (p. 192)

6.86.2 Constructor & Destructor Documentation

6.86.2.1 Tank()

```
ObjectLibrary.Tank.Tank ( )
```

6.86.3 Member Function Documentation

6.86.3.1 InitializeComponent() [1/2]

```
void ObjectLibrary.Tank.InitializeComponent ( )
```

InitializeComponent

6.86.3.2 InitializeComponent() [2/2]

```
void ObjectLibrary.Tank.InitializeComponent ( )
```

InitializeComponent

6.86.4 Property Documentation

6.86.4.1 BackColor

```
Color ObjectLibrary.Tank.BackColor [get], [set]
```

6.86.4.2 Device

```
Device ObjectLibrary.Tank.Device [get], [set]
```

6.86.4.3 LeftShift

```
double ObjectLibrary.Tank.LeftShift [get], [set]
```

6.86.4.4 ObjectHeight

double ObjectLibrary.Tank.ObjectHeight [get], [set]

6.86.4.5 ObjectWidth

double ObjectLibrary.Tank.ObjectWidth [get], [set]

6.86.4.6 ReadValue

object ObjectLibrary.Tank.ReadValue [get], [set]

6.86.4.7 ReadVariable

string ObjectLibrary.Tank.ReadVariable [get], [set]

6.86.4.8 Rotation

int ObjectLibrary.Tank.Rotation [get], [set]

6.86.4.9 RunColor

List< **ValueColor**> ObjectLibrary.Tank.RunColor [get], [set]

6.86.4.10 TopShift

double ObjectLibrary.Tank.TopShift [get], [set]

6.86.4.11 Typ

string ObjectLibrary.Tank.Typ [get]

6.86.4.12 ZIndex

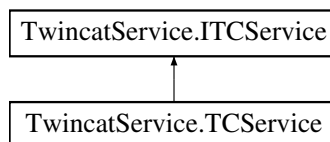
```
int ObjectLibrary.Tank.ZIndex [get], [set]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Industrial/ **Tank.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Tank.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Tank.g.i.cs**

6.87 TwincatService.TCService Class Reference

Inheritance diagram for TwincatService.TCService:



Public Member Functions

- **TCService** ()
- void **Add** (**Device** device)
- void **Remove** (**Device** device)
- void **WriteData** (**Device** device, string VariableName, object Value)

Events

- EventHandler< **DataChangeEvent** > **DataChanged** = delegate { }
- EventHandler< **DeviceChangeEvent** > **DeviceChanged** = delegate { }

6.87.1 Constructor & Destructor Documentation

6.87.1.1 TCService()

```
TwincatService.TCService.TCService ( )
```

6.87.2 Member Function Documentation

6.87.2.1 Add()

```
void TwincatService.TCService.Add (
    Device device )
```

Implements **TwincatService.ITCService** (p. 98).

6.87.2.2 Remove()

```
void TwincatService.TCService.Remove (
    Device device )
```

Implements **TwincatService.ITCService** (p. 99).

6.87.2.3 WriteData()

```
void TwincatService.TCService.WriteData (
    Device device,
    string VariableName,
    object Value )
```

Implements **TwincatService.ITCService** (p. 99).

6.87.3 Event Documentation

6.87.3.1 DataChanged

```
EventHandler< DataChangeEvent> TwincatService.TCService.DataChanged = delegate { }
```

6.87.3.2 DeviceChanged

```
EventHandler< DeviceChangeEvent> TwincatService.TCService.DeviceChanged = delegate { }
```

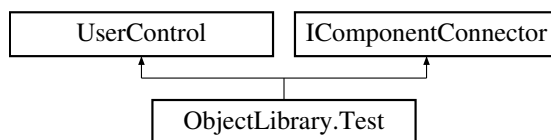
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/TwincatService/ **TCService.cs**

6.88 ObjectLibrary.Test Class Reference

Test (p. 197)

Inheritance diagram for ObjectLibrary.Test:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

6.88.1 Detailed Description

Test (p. 197)

6.88.2 Member Function Documentation

6.88.2.1 InitializeComponent()

```
void ObjectLibrary.Test.InitializeComponent ( )
```

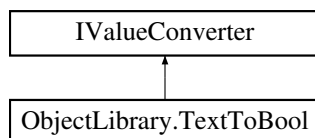
InitializeComponent

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Dialog/ **Test.g.i.cs**

6.89 ObjectLibrary.TextToBool Class Reference

Inheritance diagram for ObjectLibrary.TextToBool:



Public Member Functions

- object **Convert** (object value, Type targetType, object parameter, CultureInfo culture)
- object **ConvertBack** (object value, Type targetType, object parameter, CultureInfo culture)

6.89.1 Member Function Documentation

6.89.1.1 Convert()

```
object ObjectLibrary.TextToBool.Convert (
    object value,
    Type targetType,
    object parameter,
    CultureInfo culture )
```

6.89.1.2 ConvertBack()

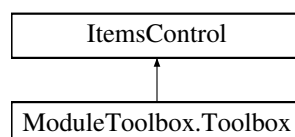
```
object ObjectLibrary.TextToBool.ConvertBack (
    object value,
    Type targetType,
    object parameter,
    CultureInfo culture )
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Converter/ **TextToBool.cs**

6.90 ModuleToolbox.Toolbox Class Reference

Inheritance diagram for ModuleToolbox.Toolbox:



Protected Member Functions

- override DependencyObject **GetContainerForItemOverride** ()
- override bool **IsItemItsOwnContainerOverride** (object item)

Properties

- Size **ItemSize** [get, set]

6.90.1 Member Function Documentation

6.90.1.1 GetContainerForItemOverride()

```
override DependencyObject ModuleToolbox.Toolbox.GetContainerForItemOverride ( ) [protected]
```

6.90.1.2 IsItemItsOwnContainerOverride()

```
override bool ModuleToolbox.Toolbox.IsItemItsOwnContainerOverride (
    object item ) [protected]
```

6.90.2 Property Documentation

6.90.2.1 ItemSize

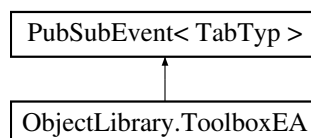
```
Size ModuleToolbox.Toolbox.ItemSize [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleToolbox/Resources/Toolbox/ **Toolbox.cs**

6.91 ObjectLibrary.ToolboxEA Class Reference

Inheritance diagram for ObjectLibrary.ToolboxEA:

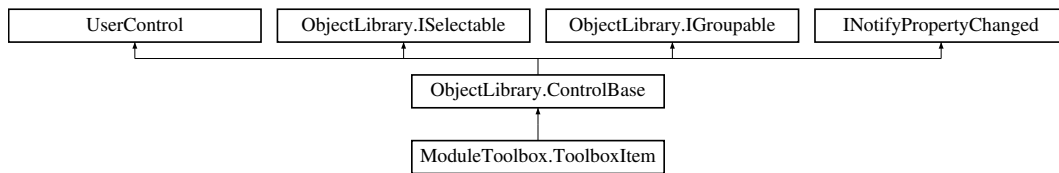


The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/ **ToolboxEA.cs**

6.92 ModuleToolbox.ToolboxItem Class Reference

Inheritance diagram for ModuleToolbox.ToolboxItem:



Protected Member Functions

- override void **OnPreviewMouseDown** (MouseButtonEventArgs e)
- override void **OnMouseMove** (MouseEventArgs e)

Additional Inherited Members

6.92.1 Member Function Documentation

6.92.1.1 OnMouseMove()

```

override void ModuleToolbox.ToolboxItem.OnMouseMove (
    MouseEventArgs e ) [protected]
  
```

6.92.1.2 OnPreviewMouseDown()

```

override void ModuleToolbox.ToolboxItem.OnPreviewMouseDown (
    MouseButtonEventArgs e ) [protected]
  
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleToolbox/Resources/Toolbox/ **ToolboxItem.cs**

6.93 TwincatService.TwincatDevice Class Reference

Public Member Functions

- **TwincatDevice** ()
- void **Connect** (**Device** device)
- void **Disconnect** ()
- void **Write** (string VariableName, object obj)

Public Attributes

- List< **TwincatVariables** > **Variables** = new List< **TwincatVariables**>()

Properties

- AdsState **AdsState** [get]
- ConnectionState **ConnectionState** [get]
- Device **tcDevice** [get]

Events

- EventHandler< **DataChangeEvent** > **DataChanged** = delegate { }
- EventHandler< **DeviceChangeEvent** > **DeviceChanged** = delegate { }

6.93.1 Constructor & Destructor Documentation

6.93.1.1 TwincatDevice()

```
TwincatService.TwincatDevice.TwincatDevice ( )
```

6.93.2 Member Function Documentation

6.93.2.1 Connect()

```
void TwincatService.TwincatDevice.Connect (
    Device device )
```

6.93.2.2 Disconnect()

```
void TwincatService.TwincatDevice.Disconnect ( )
```

6.93.2.3 Write()

```
void TwincatService.TwincatDevice.Write (
    string VariableName,
    object obj )
```

6.93.3 Member Data Documentation

6.93.3.1 Variables

```
List< TwincatVariables> TwincatService.TwincatDevice.Variables = new List< TwincatVariables>()
```

6.93.4 Property Documentation

6.93.4.1 AdsState

```
AdsState TwincatService.TwincatDevice.AdsState [get]
```

6.93.4.2 ConnectionState

```
ConnectionState TwincatService.TwincatDevice.ConnectionState [get]
```

6.93.4.3 tcDevice

```
Device TwincatService.TwincatDevice.tcDevice [get]
```

6.93.5 Event Documentation

6.93.5.1 DataChanged

```
EventHandler< DataChangeEvent> TwincatService.TwincatDevice.DataChanged = delegate { }
```

6.93.5.2 DeviceChanged

```
EventHandler< DeviceChangeEvent> TwincatService.TwincatDevice.DeviceChanged = delegate { }
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/TwincatService/ **TwincatDevice.cs**

6.94 TwincatService.TwincatVariables Struct Reference

Public Attributes

- string **VariableName**
- string **VariableType**
- long **IndexGroup**
- long **IndexOffset**
- int **DataSize**
- DataTypeCategory **Category**
- int **NumberOfSymbols**
- object **Data**
- int **Handle**
- AdsStream **dataStream**

6.94.1 Member Data Documentation

6.94.1.1 Category

DataTypeCategory TwincatService.TwincatVariables.Category

6.94.1.2 Data

object TwincatService.TwincatVariables.Data

6.94.1.3 DataSize

int TwincatService.TwincatVariables.DataSize

6.94.1.4 dataStream

AdsStream TwincatService.TwincatVariables.dataStream

6.94.1.5 Handle

int TwincatService.TwincatVariables.Handle

6.94.1.6 IndexGroup

```
long TwincatService.TwincatVariables.IndexGroup
```

6.94.1.7 IndexOffset

```
long TwincatService.TwincatVariables.IndexOffset
```

6.94.1.8 NumberOfSymbols

```
int TwincatService.TwincatVariables.NumberOfSymbols
```

6.94.1.9 VariableName

```
string TwincatService.TwincatVariables.VariableName
```

6.94.1.10 VariableType

```
string TwincatService.TwincatVariables.VariableType
```

The documentation for this struct was generated from the following file:

- DP_BeckhoffTwincat3/TwincatService/ **TwincatVariables.cs**

6.95 ObjectLibrary.User Class Reference

Properties

- **ProjectSolution Parent** [get, set]

6.95.1 Property Documentation

6.95.1.1 Parent

ProjectSolution ObjectLibrary.User.Parent [get], [set]

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Login/ **User.cs**

6.96 ObjectLibrary.UserChangeEvent Class Reference

Properties

- string **UserName** [get, set]
- **UserLevels** userLevels [get, set]

6.96.1 Property Documentation

6.96.1.1 userLevels

UserLevels ObjectLibrary.UserChangeEvent.userLevels [get], [set]

6.96.1.2 UserName

string ObjectLibrary.UserChangeEvent.UserName [get], [set]

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Login/ **UserChangeEvent.cs**

6.97 ObjectLibrary.UserLoginEvent Class Reference

Properties

- string **UserName** [get, set]
- string **Password** [get, set]

6.97.1 Property Documentation

6.97.1.1 Password

```
string ObjectLibrary.UserLoginEvent.Password [get], [set]
```

6.97.1.2 UserName

```
string ObjectLibrary.UserLoginEvent.UserName [get], [set]
```

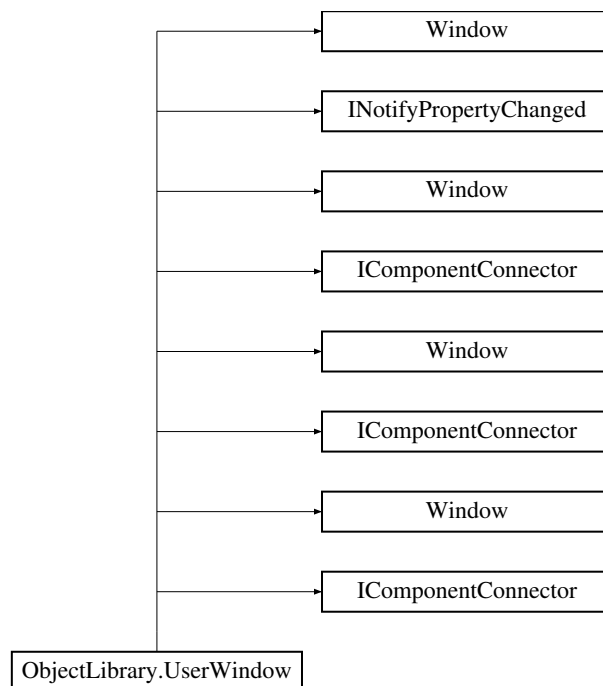
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Login/ **UserLoginEvent.cs**

6.98 ObjectLibrary.UserWindow Class Reference

UserWindow (p. 206)

Inheritance diagram for ObjectLibrary.UserWindow:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **UserWindow** (string ProjectPath)
- void **Remove_Execute** (object ID)

Protected Member Functions

- void **Changed** (string propertyName)

Properties

- **UserLevels** userLevels [get, set]
- **RelayCommand** RemoveCommand [get]

Events

- PropertyChangedEventHandler **PropertyChanged**

6.98.1 Detailed Description

UserWindow (p. 206)

Interaction logic for NewProject.xaml

6.98.2 Constructor & Destructor Documentation

6.98.2.1 UserWindow()

```
ObjectLibrary.UserWindow.UserWindow (
    string ProjectPath )
```

6.98.3 Member Function Documentation

6.98.3.1 Changed()

```
void ObjectLibrary.UserWindow.Changed (
    string propertyName ) [protected]
```

6.98.3.2 InitializeComponent() [1/3]

```
void ObjectLibrary.UserWindow.InitializeComponent ( )
```

InitializeComponent

6.98.3.3 InitializeComponent() [2/3]

```
void ObjectLibrary.UserWindow.InitializeComponent ( )
```

InitializeComponent

6.98.3.4 InitializeComponent() [3/3]

```
void ObjectLibrary.UserWindow.InitializeComponent ( )
```

InitializeComponent

6.98.3.5 Remove_Execute()

```
void ObjectLibrary.UserWindow.Remove_Execute (
    object ID )
```

6.98.4 Property Documentation

6.98.4.1 RemoveCommand

```
RelayCommand ObjectLibrary.UserWindow.RemoveCommand [get]
```

6.98.4.2 userLevels

```
UserLevels ObjectLibrary.UserWindow.userLevels [get], [set]
```

6.98.5 Event Documentation

6.98.5.1 PropertyChanged

```
PropertyChangedEventHandler ObjectLibrary.UserWindow.PropertyChanged
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **UserWindow - Copy.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **UserWindow.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/ **UserWindow.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/Windows/ **UserWindow.xaml.cs**

6.99 ObjectLibrary.ValueColor Class Reference

Properties

- Color **Color** [get, set]
- int **Value** [get, set]

6.99.1 Property Documentation

6.99.1.1 Color

Color ObjectLibrary.ValueColor.Color [get], [set]

6.99.1.2 Value

int ObjectLibrary.ValueColor.Value [get], [set]

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Properties/ **ValueColor.cs**

6.100 ObjectLibrary.ValueToText Class Reference

Properties

- string **Text** [get, set]
- Color **Color** [get, set]
- int **Value** [get, set]

6.100.1 Property Documentation

6.100.1.1 Color

Color ObjectLibrary.ValueToText.Color [get], [set]

6.100.1.2 Text

```
string ObjectLibrary.ValueToText.Text [get], [set]
```

6.100.1.3 Value

```
int ObjectLibrary.ValueToText.Value [get], [set]
```

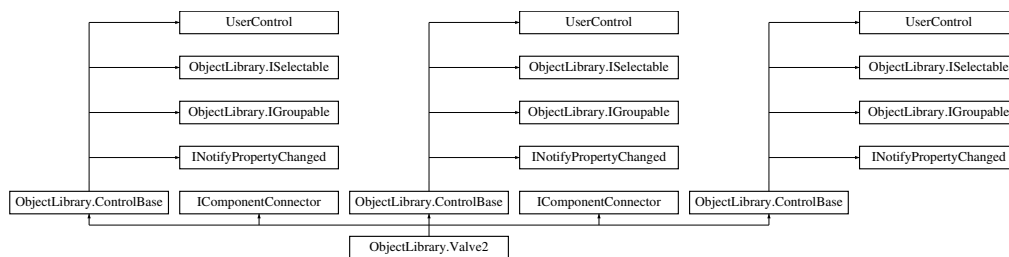
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Properties/ **ValueToText.cs**

6.101 ObjectLibrary.Valve2 Class Reference

Interaction logic for Valve2.xml

Inheritance diagram for ObjectLibrary.Valve2:



Public Member Functions

- **Valve2 ()**
- void **InitializeComponent ()**
InitializeComponent
- void **InitializeComponent ()**
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- int **Rotation** [get, set]
- Device **Device** [get, set]
- string **ReadVariable** [get, set]
- string **ReadError** [get, set]
- object **ReadValue** [get, set]
- object **ReadErrorValue** [get, set]
- List< **ValueColor** > **RunColor** [get, set]

Additional Inherited Members

6.101.1 Detailed Description

Interaction logic for Valve2.xaml

Valve2 (p. 210)

6.101.2 Constructor & Destructor Documentation

6.101.2.1 Valve2()

```
ObjectLibrary.Valve2.Valve2 ( )
```

6.101.3 Member Function Documentation

6.101.3.1 InitializeComponent() [1/2]

```
void ObjectLibrary.Valve2.InitializeComponent ( )
```

InitializeComponent

6.101.3.2 InitializeComponent() [2/2]

```
void ObjectLibrary.Valve2.InitializeComponent ( )
```

InitializeComponent

6.101.4 Property Documentation

6.101.4.1 BackColor

```
Color ObjectLibrary.Valve2.BackColor [get], [set]
```

6.101.4.2 Device

Device ObjectLibrary.Valve2.Device [get], [set]

6.101.4.3 LeftShift

double ObjectLibrary.Valve2.LeftShift [get], [set]

6.101.4.4 ObjectHeight

double ObjectLibrary.Valve2.ObjectHeight [get], [set]

6.101.4.5 ObjectWidth

double ObjectLibrary.Valve2.ObjectWidth [get], [set]

6.101.4.6 ReadError

string ObjectLibrary.Valve2.ReadError [get], [set]

6.101.4.7 ReadErrorValue

object ObjectLibrary.Valve2.ReadErrorValue [get], [set]

6.101.4.8 ReadValue

object ObjectLibrary.Valve2.ReadValue [get], [set]

6.101.4.9 ReadVariable

string ObjectLibrary.Valve2.ReadVariable [get], [set]

6.101.4.10 Rotation

```
int ObjectLibrary.Valve2.Rotation [get], [set]
```

6.101.4.11 RunColor

```
List< ValueColor> ObjectLibrary.Valve2.RunColor [get], [set]
```

6.101.4.12 TopShift

```
double ObjectLibrary.Valve2.TopShift [get], [set]
```

6.101.4.13 Typ

```
string ObjectLibrary.Valve2.Typ [get]
```

6.101.4.14 ZIndex

```
int ObjectLibrary.Valve2.ZIndex [get], [set]
```

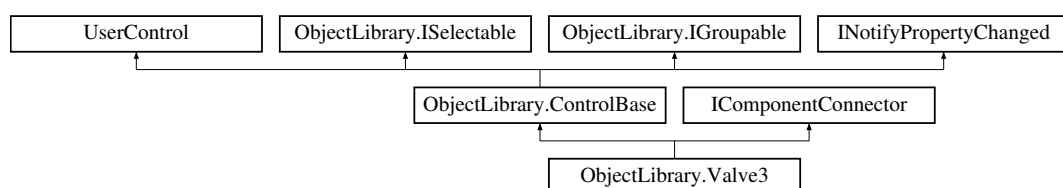
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Industrial/ **Valve2.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Valve2.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Valve2.g.i.cs**

6.102 ObjectLibrary.Valve3 Class Reference

Valve3 (p. 213)

Inheritance diagram for ObjectLibrary.Valve3:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

Additional Inherited Members

6.102.1 Detailed Description

Valve3 (p. 213)

6.102.2 Member Function Documentation

6.102.2.1 InitializeComponent()

```
void ObjectLibrary.Valve3.InitializeComponent ( )
```

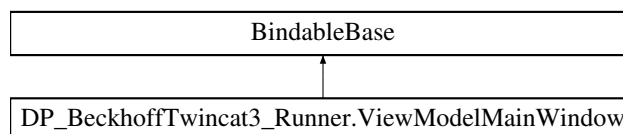
InitializeComponent

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/ **Valve3.g.i.cs**

6.103 DP_BeckhoffTwincat3_Runner.ViewModelMainWindow Class Reference

Inheritance diagram for DP_BeckhoffTwincat3_Runner.ViewModelMainWindow:



Public Member Functions

- **ViewModelMainWindow** (**ITCService** tCService, **ISqliteService** sqliteService)
- void **Load** ()
- void **Run** ()

Public Attributes

- **Workspace** **DesignSpace** = null
- **AlarmHeader** **alarmHeader** = null

6.103.1 Constructor & Destructor Documentation

6.103.1.1 ViewModelMainWindow()

```
DP_BeckhoffTwincat3_Runner.ViewModelMainWindow.ViewModelMainWindow (
    ITCService tCService,
    ISqliteService sqliteService )
```

6.103.2 Member Function Documentation

6.103.2.1 Load()

```
void DP_BeckhoffTwincat3_Runner.ViewModelMainWindow.Load ( )
```

6.103.2.2 Run()

```
void DP_BeckhoffTwincat3_Runner.ViewModelMainWindow.Run ( )
```

6.103.3 Member Data Documentation

6.103.3.1 alarmHeader

```
AlarmHeader DP_BeckhoffTwincat3_Runner.ViewModelMainWindow.alarmHeader = null
```

6.103.3.2 DesignSpace

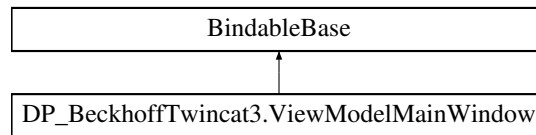
```
Workspace DP_BeckhoffTwincat3_Runner.ViewModelMainWindow.DesignSpace = null
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/ViewModel/ **ViewModelMainWindow.cs**

6.104 DP_BeckhoffTwincat3.ViewModelMainWindow Class Reference

Inheritance diagram for DP_BeckhoffTwincat3.ViewModelMainWindow:



Public Member Functions

- **ViewModelMainWindow** (**IApplicationCommands** applicationCommands)

Properties

- **IApplicationCommands ApplicationCommands** [get, set]

6.104.1 Constructor & Destructor Documentation

6.104.1.1 ViewModelMainWindow()

```
DP_BeckhoffTwincat3.ViewModelMainWindow.ViewModelMainWindow (
    IApplicationCommands applicationCommands )
```

6.104.2 Property Documentation

6.104.2.1 ApplicationCommands

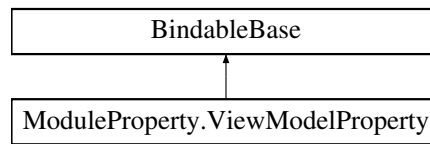
```
IApplicationCommands DP_BeckhoffTwincat3.ViewModelMainWindow.ApplicationCommands [get], [set]
```

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/ViewModel/ **ViewModelMainWindow.cs**

6.105 ModuleProperty.ViewModelProperty Class Reference

Inheritance diagram for ModuleProperty.ViewModelProperty:



Public Member Functions

- **ViewModelProperty** (IEventAggregator ea)

Properties

- `ObservableCollection< Device > Device` [get, set]
- `ObservableCollection< string > Pages` [get, set]
- `ObservableCollection< string > AlarmList` [get, set]
- `object SelectedObject` [get, set]

6.105.1 Constructor & Destructor Documentation

6.105.1.1 ViewModelProperty()

```
ModuleProperty.ViewModelProperty.ViewModelProperty (
    IEventAggregator ea )
```

6.105.2 Property Documentation

6.105.2.1 AlarmList

```
ObservableCollection<string> ModuleProperty.ViewModelProperty.AlarmList [get], [set]
```

6.105.2.2 Device

```
ObservableCollection< Device> ModuleProperty.ViewModelProperty.Device [get], [set]
```

6.105.2.3 Pages

`ObservableCollection<string> ModuleProperty.ViewModelProperty.Pages [get], [set]`

6.105.2.4 SelectedObject

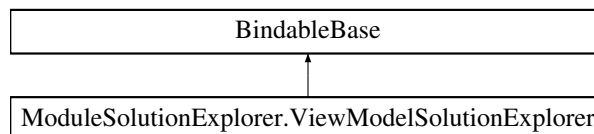
`object ModuleProperty.ViewModelProperty.SelectedObject [get], [set]`

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleProperty/ViewModel/ **ViewModelProperty.cs**

6.106 ModuleSolutionExplorer.ViewModelSolutionExplorer Class Reference

Inheritance diagram for ModuleSolutionExplorer.ViewModelSolutionExplorer:



Public Member Functions

- **ViewModelSolutionExplorer** (IEventAggregator ea, **IApplicationCommands** applicationCommands, **ITCService** tCService, **ISqliteService** sqliteService)
- void **NewScreen_Execute** (object message)
- void **DeleteScreen_Execute** (object message)
- void **NewDevice_Execute** (object message)
- void **EditDevice_Execute** (object message)
- void **DeleteDevice_Execute** (object message)
- void **EditProperties_Execute** (object message)
- void **Run_Execute** (object message)
- void **Stop_Execute** (object message)
- void **Default_Execute** (object message)
- void **EditUser_Execute** (object message)
- void **EditAlarms_Execute** (object message)

Public Attributes

- `ObservableCollection< ProjectSolution > projectSolution = new ObservableCollection< ProjectSolution>()`

Properties

- DelegateCommand **NewProjectCommand** [get]
- RelayCommand **SaveProjectCommand** [get]
- RelayCommand **OpenProjectCommand** [get]
- RelayCommand **CloseProjectCommand** [get]
- RelayCommand **NewScreenCommand** [get]
- RelayCommand **DeleteScreenCommand** [get]
- RelayCommand **NewDeviceCommand** [get]
- RelayCommand **EditDeviceCommand** [get]
- RelayCommand **DeleteDeviceCommand** [get]
- RelayCommand **EditPropertiesCommand** [get]
- RelayCommand **RunCommand** [get]
- RelayCommand **StopCommand** [get]
- RelayCommand **DefaultCommand** [get]
- DelegateCommand< object > **OpenTab** [get]
- RelayCommand **EditUserCommand** [get]
- RelayCommand **EditAlarmsCommand** [get]

6.106.1 Constructor & Destructor Documentation

6.106.1.1 ViewModelSolutionExplorer()

```
ModuleSolutionExplorer.ViewModelSolutionExplorer.ViewModelSolutionExplorer (
    IEventAggregator ea,
    IApplicationCommands applicationCommands,
    ITCService tCService,
    ISqliteService sqliteService )
```

6.106.2 Member Function Documentation

6.106.2.1 Default_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.Default_Execute (
    object message )
```

6.106.2.2 DeleteDevice_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.DeleteDevice_Execute (
    object message )
```

6.106.2.3 DeleteScreen_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.DeleteScreen_Execute (
    object message )
```

6.106.2.4 EditAlarms_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.EditAlarms_Execute (
    object message )
```

6.106.2.5 EditDevice_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.EditDevice_Execute (
    object message )
```

6.106.2.6 EditProperties_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.EditProperties_Execute (
    object message )
```

6.106.2.7 EditUser_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.EditUser_Execute (
    object message )
```

6.106.2.8 NewDevice_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.NewDevice_Execute (
    object message )
```

6.106.2.9 NewScreen_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.NewScreen_Execute (
    object message )
```

6.106.2.10 Run_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.Run_Execute (
    object message )
```

6.106.2.11 Stop_Execute()

```
void ModuleSolutionExplorer.ViewModelSolutionExplorer.Stop_Execute (
    object message )
```

6.106.3 Member Data Documentation

6.106.3.1 projectSolution

```
ObservableCollection< ProjectSolution> ModuleSolutionExplorer.ViewModelSolutionExplorer.↔
projectSolution = new ObservableCollection< ProjectSolution>()
```

6.106.4 Property Documentation

6.106.4.1 CloseProjectCommand

```
RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.CloseProjectCommand [get]
```

6.106.4.2 DefaultCommand

```
RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.DefaultCommand [get]
```

6.106.4.3 DeleteDeviceCommand

```
RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.DeleteDeviceCommand [get]
```

6.106.4.4 DeleteScreenCommand

RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.DeleteScreenCommand [get]

6.106.4.5 EditAlarmsCommand

RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.EditAlarmsCommand [get]

6.106.4.6 EditDeviceCommand

RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.EditDeviceCommand [get]

6.106.4.7 EditPropertiesCommand

RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.EditPropertiesCommand [get]

6.106.4.8 EditUserCommand

RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.EditUserCommand [get]

6.106.4.9 NewDeviceCommand

RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.NewDeviceCommand [get]

6.106.4.10 NewProjectCommand

DelegateCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.NewProjectCommand [get]

6.106.4.11 NewScreenCommand

RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.NewScreenCommand [get]

6.106.4.12 OpenProjectCommand

RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.OpenProjectCommand [get]

6.106.4.13 OpenTab

DelegateCommand<object> ModuleSolutionExplorer.ViewModelSolutionExplorer.OpenTab [get]

6.106.4.14 RunCommand

RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.RunCommand [get]

6.106.4.15 SaveProjectCommand

RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.SaveProjectCommand [get]

6.106.4.16 StopCommand

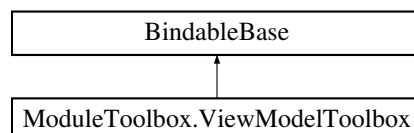
RelayCommand ModuleSolutionExplorer.ViewModelSolutionExplorer.StopCommand [get]

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleSolutionExplorer/ViewModel/ **ViewModelSolutionExplorer.cs**

6.107 ModuleToolbox.ViewModelToolbox Class Reference

Inheritance diagram for ModuleToolbox.ViewModelToolbox:



Public Member Functions

- **ViewModelToolbox** (IEventAggregator ea)

Properties

- **TabType Toolbox** [get, set]

6.107.1 Constructor & Destructor Documentation

6.107.1.1 ViewModelToolbox()

```
ModuleToolbox.ViewModelToolbox.ViewModelToolbox (
    IEventAggregator ea )
```

6.107.2 Property Documentation

6.107.2.1 Toolbox

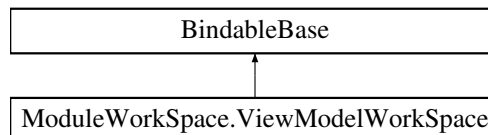
TabType ModuleToolbox.ViewModelToolbox.Toolbox [get], [set]

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleToolbox/ViewModel/ **ViewModelToolbox.cs**

6.108 ModuleWorkSpace.ViewModelWorkSpace Class Reference

Inheritance diagram for ModuleWorkSpace.ViewModelWorkSpace:



Public Member Functions

- **ViewModelWorkSpace** (IEventAggregator ea, **IApplicationCommands** applicationCommands, **ITCService** tCService)
- void **Group_Execute** (object message)
- void **Ungroup_Execute** (object message)
- void **BringForward_Execute** (object message)
- void **BringToFront_Execute** (object message)
- void **SendBackward_Execute** (object message)
- void **SendToBack_Execute** (object message)
- void **Cut_Execute** (object message)
- void **Copy_Execute** (object message)
- void **Paste_Execute** (object message)
- void **Delete_Execute** (object message)
- void **SelectAll_Execute** (object message)
- void **AlignTop_Execute** (object message)
- void **AlignDown_Execute** (object message)
- void **AlignLeft_Execute** (object message)
- void **AlignRight_Execute** (object message)

Public Attributes

- IEventAggregator **_ea**

Properties

- RelayCommand **CloseTabCommand** [get]
- RelayCommand **CloseAllTabCommand** [get]
- RelayCommand **BringForwardCommand** [get]
- RelayCommand **BringToFrontCommand** [get]
- RelayCommand **SendBackwardCommand** [get]
- RelayCommand **SendToBackCommand** [get]
- RelayCommand **GroupCommand** [get]
- RelayCommand **UngroupCommand** [get]
- RelayCommand **CutCommand** [get]
- RelayCommand **CopyCommand** [get]
- RelayCommand **PasteCommand** [get]
- RelayCommand **DeleteCommand** [get]
- RelayCommand **SelectAllCommand** [get]
- RelayCommand **AlignTopCommand** [get]
- RelayCommand **AlignDownCommand** [get]
- RelayCommand **AlignLeftCommand** [get]
- RelayCommand **AlignRightCommand** [get]
- ObservableCollection< **Tab** > **Tabs** [get]
- int **TabIndex** [get, set]

6.108.1 Constructor & Destructor Documentation

6.108.1.1 ViewModelWorkSpace()

```
ModuleWorkSpace.ViewModelWorkSpace.ViewModelWorkSpace (
    IEventAggregator ea,
    IApplicationCommands applicationCommands,
    ITCService tcService )
```

6.108.2 Member Function Documentation

6.108.2.1 AlignDown_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.AlignDown_Execute (
    object message )
```

6.108.2.2 AlignLeft_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.AlignLeft_Execute (
    object message )
```

6.108.2.3 AlignRight_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.AlignRight_Execute (
    object message )
```

6.108.2.4 AlignTop_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.AlignTop_Execute (
    object message )
```

6.108.2.5 BringForward_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.BringForward_Execute (
    object message )
```

6.108.2.6 BringToFront_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.BringToFront_Execute (
    object message )
```

6.108.2.7 Copy_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.Copy_Execute (
    object message )
```

6.108.2.8 Cut_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.Cut_Execute (
    object message )
```

6.108.2.9 Delete_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.Delete_Execute (
    object message )
```

6.108.2.10 Group_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.Group_Execute (
    object message )
```

6.108.2.11 Paste_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.Paste_Execute (
    object message )
```

6.108.2.12 SelectAll_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.SelectAll_Execute (
    object message )
```

6.108.2.13 SendBackward_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.SendBackward_Execute (
    object message )
```

6.108.2.14 SendToBack_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.SendToBack_Execute (
    object message )
```

6.108.2.15 Ungroup_Execute()

```
void ModuleWorkSpace.ViewModelWorkSpace.Ungroup_Execute (
    object message )
```

6.108.3 Member Data Documentation

6.108.3.1 _ea

`IEventAggregator ModuleWorkSpace.ViewModelWorkSpace._ea`

6.108.4 Property Documentation

6.108.4.1 AlignDownCommand

RelayCommand `ModuleWorkSpace.ViewModelWorkSpace.AlignDownCommand` [get]

6.108.4.2 AlignLeftCommand

RelayCommand `ModuleWorkSpace.ViewModelWorkSpace.AlignLeftCommand` [get]

6.108.4.3 AlignRightCommand

RelayCommand `ModuleWorkSpace.ViewModelWorkSpace.AlignRightCommand` [get]

6.108.4.4 AlignTopCommand

RelayCommand `ModuleWorkSpace.ViewModelWorkSpace.AlignTopCommand` [get]

6.108.4.5 BringForwardCommand

RelayCommand `ModuleWorkSpace.ViewModelWorkSpace.BringForwardCommand` [get]

6.108.4.6 BringToFrontCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.BringToFrontCommand [get]

6.108.4.7 CloseAllTabCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.CloseAllTabCommand [get]

6.108.4.8 CloseTabCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.CloseTabCommand [get]

6.108.4.9 CopyCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.CopyCommand [get]

6.108.4.10 CutCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.CutCommand [get]

6.108.4.11 DeleteCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.DeleteCommand [get]

6.108.4.12 GroupCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.GroupCommand [get]

6.108.4.13 PasteCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.PasteCommand [get]

6.108.4.14 SelectAllCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.SelectAllCommand [get]

6.108.4.15 SendBackwardCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.SendBackwardCommand [get]

6.108.4.16 SendToBackCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.SendToBackCommand [get]

6.108.4.17 TabIndex

int ModuleWorkspace.ViewModelWorkspace.TabIndex [get], [set]

6.108.4.18 Tabs

ObservableCollection< **Tab**> ModuleWorkspace.ViewModelWorkspace.Tabs [get]

6.108.4.19 UngroupCommand

RelayCommand ModuleWorkspace.ViewModelWorkspace.UngroupCommand [get]

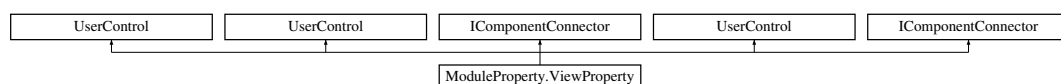
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ModuleWorkspace/ViewModel/ **ViewModelWorkspace.cs**

6.109 ModuleProperty.ViewProperty Class Reference

ViewProperty (p. 230)

Inheritance diagram for ModuleProperty.ViewProperty:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **ViewProperty** (**ViewModelProperty** viewModelProperty)

6.109.1 Detailed Description

ViewProperty (p. 230)

Interaction logic for ViewProperty.xaml

6.109.2 Constructor & Destructor Documentation

6.109.2.1 ViewProperty()

```
ModuleProperty.ViewProperty.ViewProperty (
    ViewModelProperty viewModelProperty )
```

6.109.3 Member Function Documentation

6.109.3.1 InitializeComponent() [1/2]

```
void ModuleProperty.ViewProperty.InitializeComponent ( )
```

InitializeComponent

6.109.3.2 InitializeComponent() [2/2]

```
void ModuleProperty.ViewProperty.InitializeComponent ( )
```

InitializeComponent

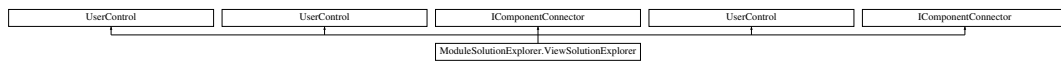
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ModuleProperty/obj/Debug/View/ **ViewProperty.g.cs**
- DP_BeckhoffTwincat3/ModuleProperty/obj/Debug/View/ **ViewProperty.g.i.cs**
- DP_BeckhoffTwincat3/ModuleProperty/View/ **ViewProperty.xaml.cs**

6.110 ModuleSolutionExplorer.ViewSolutionExplorer Class Reference

ViewSolutionExplorer (p. 232)

Inheritance diagram for ModuleSolutionExplorer.ViewSolutionExplorer:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **ViewSolutionExplorer** (**ViewModelSolutionExplorer** viewModelSolutionExplorer)

6.110.1 Detailed Description

ViewSolutionExplorer (p. 232)

Interaction logic for ViewSolutionExplorer.xaml

6.110.2 Constructor & Destructor Documentation

6.110.2.1 ViewSolutionExplorer()

```
ModuleSolutionExplorer.ViewSolutionExplorer.ViewSolutionExplorer (
    ViewModelSolutionExplorer viewModelSolutionExplorer )
```

6.110.3 Member Function Documentation

6.110.3.1 InitializeComponent() [1/2]

```
void ModuleSolutionExplorer.ViewSolutionExplorer.InitializeComponent ( )
```

InitializeComponent

6.110.3.2 InitializeComponent() [2/2]

```
void ModuleSolutionExplorer.ViewSolutionExplorer.InitializeComponent ( )
```

InitializeComponent

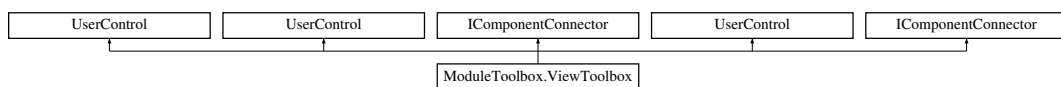
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ModuleSolutionExplorer/obj/Debug/View/ **ViewSolutionExplorer.g.cs**
- DP_BeckhoffTwincat3/ModuleSolutionExplorer/obj/Debug/View/ **ViewSolutionExplorer.g.i.cs**
- DP_BeckhoffTwincat3/ModuleSolutionExplorer/View/ **ViewSolutionExplorer.xaml.cs**

6.111 ModuleToolbox.ViewToolbox Class Reference

ViewToolbox (p. 233)

Inheritance diagram for ModuleToolbox.ViewToolbox:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **ViewToolbox** (**ViewModelToolbox** viewModelToolbox)

6.111.1 Detailed Description

ViewToolbox (p. 233)

Interaction logic for ViewToolbox.xaml

6.111.2 Constructor & Destructor Documentation

6.111.2.1 ViewToolbox()

```
ModuleToolbox.ViewToolbox.ViewToolbox (
    ViewModelToolbox viewModelToolbox )
```

6.111.3 Member Function Documentation

6.111.3.1 InitializeComponent() [1/2]

```
void ModuleToolbox.ViewToolbox.InitializeComponent ( )
```

InitializeComponent

6.111.3.2 InitializeComponent() [2/2]

```
void ModuleToolbox.ViewToolbox.InitializeComponent ( )
```

InitializeComponent

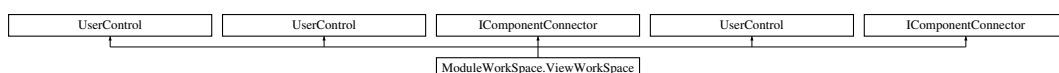
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/View/ **ViewToolbox.g.cs**
- DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/View/ **ViewToolbox.g.i.cs**
- DP_BeckhoffTwincat3/ModuleToolbox/View/ **ViewToolbox.xaml.cs**

6.112 ModuleWorkSpace.ViewWorkSpace Class Reference

ViewWorkSpace (p. 234)

Inheritance diagram for ModuleWorkSpace.ViewWorkSpace:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- **ViewWorkSpace** (**ViewModelWorkSpace** viewModelWorkSpace)

6.112.1 Detailed Description

ViewWorkSpace (p. 234)

Interaction logic for ViewWorkSpace.xaml

6.112.2 Constructor & Destructor Documentation

6.112.2.1 ViewWorkSpace()

```
ModuleWorkSpace.ViewWorkSpace.ViewWorkSpace (
    ViewModelWorkSpace viewModelWorkSpace )
```

6.112.3 Member Function Documentation

6.112.3.1 InitializeComponent() [1/2]

```
void ModuleWorkSpace.ViewWorkSpace.InitializeComponent ( )
```

InitializeComponent

6.112.3.2 InitializeComponent() [2/2]

```
void ModuleWorkSpace.ViewWorkSpace.InitializeComponent ( )
```

InitializeComponent

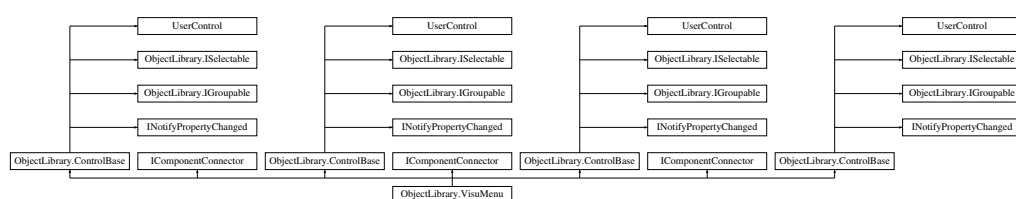
The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ModuleWorkSpace/obj/Debug/View/ **ViewWorkSpace.g.cs**
- DP_BeckhoffTwincat3/ModuleWorkSpace/obj/Debug/View/ **ViewWorkSpace.g.i.cs**
- DP_BeckhoffTwincat3/ModuleWorkSpace/View/ **ViewWorkSpace.xaml.cs**

6.113 ObjectLibrary VisuMenu Class Reference

Interaction logic for Menu.xaml

Inheritance diagram for ObjectLibrary VisuMenu:



Public Member Functions

- **VisuMenu** ()
- void **AddChild** (UIElement child)
- UIElementCollection **GetChilds** ()
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent
- void **InitializeComponent** ()
InitializeComponent

Properties

- string **Typ** [get]
- double **ObjectWidth** [get, set]
- double **ObjectHeight** [get, set]
- double **LeftShift** [get, set]
- double **TopShift** [get, set]
- int **ZIndex** [get, set]
- Color **BackColor** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]

Additional Inherited Members

6.113.1 Detailed Description

Interaction logic for Menu.xaml

VisuMenu (p. 235)

6.113.2 Constructor & Destructor Documentation

6.113.2.1 VisuMenu()

ObjectLibrary.VisuMenu.VisuMenu ()

6.113.3 Member Function Documentation

6.113.3.1 AddChild()

```
void ObjectLibrary.VisuMenu.AddChild (
    UIElement child )
```

6.113.3.2 GetChilds()

```
UIElementCollection ObjectLibrary.VisuMenu.GetChilds ( )
```

6.113.3.3 InitializeComponent() [1/3]

```
void ObjectLibrary.VisuMenu.InitializeComponent ( )
```

InitializeComponent

6.113.3.4 InitializeComponent() [2/3]

```
void ObjectLibrary.VisuMenu.InitializeComponent ( )
```

InitializeComponent

6.113.3.5 InitializeComponent() [3/3]

```
void ObjectLibrary.VisuMenu.InitializeComponent ( )
```

InitializeComponent

6.113.4 Property Documentation

6.113.4.1 BackColor

```
Color ObjectLibrary.VisuMenu.BackColor [get], [set]
```

6.113.4.2 Border_Color

Color ObjectLibrary.VisuMenu.Border_Color [get], [set]

6.113.4.3 Border_Thickness

int ObjectLibrary.VisuMenu.Border_Thickness [get], [set]

6.113.4.4 LeftShift

double ObjectLibrary.VisuMenu.LeftShift [get], [set]

6.113.4.5 ObjectHeight

double ObjectLibrary.VisuMenu.ObjectHeight [get], [set]

6.113.4.6 ObjectWidth

double ObjectLibrary.VisuMenu.ObjectWidth [get], [set]

6.113.4.7 TopShift

double ObjectLibrary.VisuMenu.TopShift [get], [set]

6.113.4.8 Typ

string ObjectLibrary.VisuMenu.Typ [get]

6.113.4.9 ZIndex

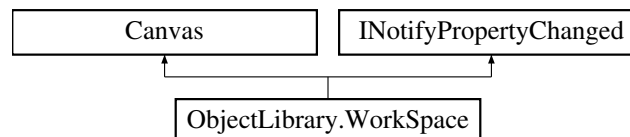
```
int ObjectLibrary VisuMenu.ZIndex [get], [set]
```

The documentation for this class was generated from the following files:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/DesignSpace/Controls/ **VisuMenu.xaml.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/ **Menu.g.i.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/ **VisuMenu.g.cs**
- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/ **VisuMenu.g.i.cs**

6.114 ObjectLibrary.WorkSpace Class Reference

Inheritance diagram for ObjectLibrary.WorkSpace:



Public Member Functions

- **Workspace ()**
- XElement **SerializeWorkspace ()**
- void **AddChildren (ControlBase child)**

Static Public Member Functions

- static XElement **SerializeObjects** (IEnumerable< object > WorkspaceObjects)
- static **ControlBase DeserializeObjects** (XElement itemXML, double OffsetX, double OffsetY, ObservableCollection< **Device** > **Devices**)

Protected Member Functions

- override void **OnMouseDown** (MouseButtonEventArgs e)
- override void **OnMouseMove** (MouseEventArgs e)
- override void **OnDrop** (DragEventArgs e)
- void **Changed** (string propertyName)

Properties

- string **ScreenName** [get, set]
- string **Typ** [get]
- Color **BackColor** [get, set]
- Color **Border_Color** [get, set]
- int **Border_Thickness** [get, set]
- **Device Device** [get, set]
- **SelectionService SelectionService** [get]

Events

- EventHandler< string > **PageChange** = delegate { }
- EventHandler< **WriteDataChangeEvent** > **WriteChange** = delegate { }
- EventHandler< **UserLoginEvent** > **LoginChange** = delegate { }
- PropertyChangedEventHandler **PropertyChanged**

6.114.1 Constructor & Destructor Documentation

6.114.1.1 Workspace()

```
ObjectLibrary.WorkSpace.WorkSpace ( )
```

6.114.2 Member Function Documentation

6.114.2.1 AddChildren()

```
void ObjectLibrary.WorkSpace.AddChildren (
    ControlBase child )
```

6.114.2.2 Changed()

```
void ObjectLibrary.WorkSpace.Changed (
    string propertyName ) [protected]
```

6.114.2.3 DeserializeObjects()

```
static ControlBase ObjectLibrary.WorkSpace.DeserializeObjects (
    XElement itemXML,
    double OffsetX,
    double OffsetY,
    ObservableCollection< Device > Devices ) [static]
```


6.114.2.4 OnDrop()

```
override void ObjectLibrary.WorkSpace.OnDrop (
    DragEventArgs e ) [protected]
```

6.114.2.5 OnMouseDown()

```
override void ObjectLibrary.WorkSpace.OnMouseDown (
    MouseButtonEventArgs e ) [protected]
```

6.114.2.6 OnMouseMove()

```
override void ObjectLibrary.WorkSpace.OnMouseMove (
    MouseEventArgs e ) [protected]
```

6.114.2.7 SerializeObjects()

```
static XElement ObjectLibrary.WorkSpace.SerializeObjects (
    IEnumerable< object > WorkspaceObjects ) [static]
```

6.114.2.8 SerializeWorkSpace()

```
XElement ObjectLibrary.WorkSpace.SerializeWorkSpace ( )
```

6.114.3 Property Documentation

6.114.3.1 BackColor

```
Color ObjectLibrary.WorkSpace.BackColor [get], [set]
```

6.114.3.2 Border_Color

```
Color ObjectLibrary.WorkSpace.Border_Color [get], [set]
```

6.114.3.3 Border_Thickness

`int ObjectLibrary.WorkSpace.Border_Thickness [get], [set]`

6.114.3.4 Device

Device `ObjectLibrary.WorkSpace.Device [get], [set]`

6.114.3.5 ScreenName

`string ObjectLibrary.WorkSpace.ScreenName [get], [set]`

6.114.3.6 SelectionService

SelectionService `ObjectLibrary.WorkSpace.SelectionService [get]`

6.114.3.7 Typ

`string ObjectLibrary.WorkSpace.Typ [get]`

6.114.4 Event Documentation

6.114.4.1 LoginChange

`EventHandler< UserLoginEvent> ObjectLibrary.WorkSpace.LoginChange = delegate { }`

6.114.4.2 PageChange

`EventHandler<string> ObjectLibrary.WorkSpace.PageChange = delegate { }`

6.114.4.3 PropertyChanged

PropertyChangedEventHandler ObjectLibrary.WorkSpace.PropertyChanged

6.114.4.4 WriteChange

EventHandler< **WriteDataChangeEvent**> ObjectLibrary.WorkSpace.WriteChange = delegate { }

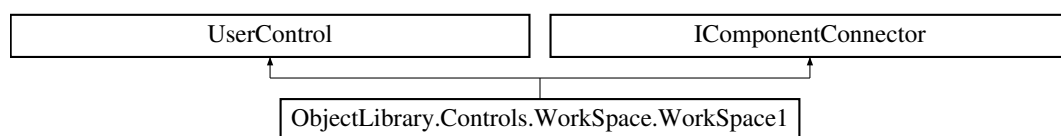
The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/ **WorkSpace.cs**

6.115 ObjectLibrary.Controls.WorkSpace.WorkSpace1 Class Reference

WorkSpace1 (p. 243)

Inheritance diagram for ObjectLibrary.Controls.WorkSpace.WorkSpace1:



Public Member Functions

- void **InitializeComponent** ()
InitializeComponent

6.115.1 Detailed Description

WorkSpace1 (p. 243)

6.115.2 Member Function Documentation

6.115.2.1 InitializeComponent()

void ObjectLibrary.Controls.WorkSpace.WorkSpace1.InitializeComponent ()

InitializeComponent

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/WorkSpace/ **WorkSpace1.g.i.cs**

6.116 ObjectLibrary.WriteDataChangeEvent Class Reference

Properties

- **Device device** [get, set]
- string **VariableName** [get, set]
- **UserLevels userLevel** [get, set]
- object **Value** [get, set]

6.116.1 Property Documentation

6.116.1.1 device

Device ObjectLibrary.WriteDataChangeEvent.device [get], [set]

6.116.1.2 userLevel

UserLevels ObjectLibrary.WriteDataChangeEvent.userLevel [get], [set]

6.116.1.3 Value

object ObjectLibrary.WriteDataChangeEvent.Value [get], [set]

6.116.1.4 VariableName

string ObjectLibrary.WriteDataChangeEvent.VariableName [get], [set]

The documentation for this class was generated from the following file:

- DP_BeckhoffTwincat3/ObjectLibrary/Model/Device/ **WriteDataChangeEvent.cs**

Chapter 7

File Documentation

7.1 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/App.xaml.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.App**
Interaction logic for App.xaml

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.2 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/App.xaml.cs File Reference

Classes

- class **DP_BeckhoffTwincat3_Runner.App**
Interaction logic for App.xaml

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner**

7.3 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/Bootstrapper.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.Bootstrapper**

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.4 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/Bootstrapper.cs File Reference

Classes

- class **DP_BeckhoffTwincat3_Runner.Bootstrapper**

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner**

7.5 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/App.g.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.App**
Interaction logic for App.xaml

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.6 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/App.g.cs File Reference

Classes

- class **DP_BeckhoffTwincat3_Runner.App**
Interaction logic for App.xaml

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner**

7.7 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/App.g.i.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.App**
Interaction logic for App.xaml

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.8 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/App.g.i.cs File Reference

Classes

- class **DP_BeckhoffTwincat3_Runner.App**
Interaction logic for App.xaml

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner**

7.9 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/GeneratedInternalTypeHelper.g.i.cs File Reference

Classes

- class **XamlGeneratedNamespace.GeneratedInternalTypeHelper**
GeneratedInternalTypeHelper (p. 82)

Namespaces

- namespace **XamlGeneratedNamespace**

7.10 DP_BeckhoffTwincat3/ModuleProperty/obj/Debug/GeneratedInternalTypeHelper.g.i.cs File Reference

Classes

- class **XamlGeneratedNamespace.GeneratedInternalTypeHelper**
GeneratedInternalTypeHelper (p. 82)

Namespaces

- namespace **XamlGeneratedNamespace**

7.11 DP_BeckhoffTwincat3/ModuleSolutionExplorer/obj/Debug/GeneratedInternalTypeHelper.g.i.cs File Reference

Classes

- class **XamlGeneratedNamespace.GeneratedInternalTypeHelper**
GeneratedInternalTypeHelper (p. 82)

Namespaces

- namespace **XamlGeneratedNamespace**

7.12 DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/GeneratedInternalTypeHelper.g.i.cs File Reference

Classes

- class **XamlGeneratedNamespace.GeneratedInternalTypeHelper**
GeneratedInternalTypeHelper (p. 82)

Namespaces

- namespace **XamlGeneratedNamespace**

7.13 DP_BeckhoffTwincat3/ModuleWorkSpace/obj/Debug/GeneratedInternalTypeHelper.g.i.cs File Reference

Classes

- class **XamlGeneratedNamespace.GeneratedInternalTypeHelper**
GeneratedInternalTypeHelper (p. 82)

Namespaces

- namespace **XamlGeneratedNamespace**

7.14 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/GeneratedInternalTypeHelper.g.i.cs File Reference

Classes

- class **XamlGeneratedNamespace.GeneratedInternalTypeHelper**
GeneratedInternalTypeHelper (p. 82)

Namespaces

- namespace **XamlGeneratedNamespace**

7.15 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/MainWindow.g.i.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.MainWindow**
MainWindow (p. 116)

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.16 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/Window/MainWindow.g.i.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.MainWindow**
MainWindow (p. 116)

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.17 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/MainWindow.g.i.cs File Reference

Classes

- class **DP_BeckhoffTwincat3_Runner.MainWindow**
MainWindow (p. 118)

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner**

7.18 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/Window/Main↵ Window.g.i.cs File Reference

Classes

- class **DP_BeckhoffTwincat3_Runner.MainWindow**
MainWindow (p. 118)

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner**

7.19 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/Shell.g.i.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.Shell**
Shell (p. 187)

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.20 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/TemporaryGeneratedFile_↵ _036C0B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

7.21 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/TemporaryGenerated↵ File_036C0B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

7.22 DP_BeckhoffTwincat3/ModuleProperty/obj/Debug/TemporaryGeneratedFile_036↵ C0B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

7.23 DP_BeckhoffTwincat3/ModuleSolutionExplorer/obj/Debug/TemporaryGenerated↵ File_036C0B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

7.24 DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/TemporaryGeneratedFile_036C0↵ B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

7.25 DP_BeckhoffTwincat3/ModuleWorkSpace/obj/Debug/TemporaryGeneratedFile_036C0B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

7.26 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/TemporaryGeneratedFile_036C0B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

7.27 DP_BeckhoffTwincat3/SqliteService/obj/Debug/TemporaryGeneratedFile_036C0B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

7.28 DP_BeckhoffTwincat3/TwincatService/obj/Debug/TemporaryGeneratedFile_036C0B5B-1481-4323-8D20-8F5ADCB23D92.cs File Reference

7.29 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference

7.30 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference

7.31 DP_BeckhoffTwincat3/ModuleProperty/obj/Debug/TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference

7.32 DP_BeckhoffTwincat3/ModuleSolutionExplorer/obj/Debug/TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference

7.33 DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference

7.34 DP_BeckhoffTwincat3/ModuleWorkSpace/obj/Debug/TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference

7.35 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference

7.36 DP_BeckhoffTwincat3/SqliteService/obj/Debug/TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference

- 7.37 DP_BeckhoffTwincat3/TwincatService/obj/Debug/TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs File Reference
- 7.38 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/TemporaryGeneratedFile_↵
_E7A71F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference
- 7.39 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/TemporaryGenerated↵
File_E7A71F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference
- 7.40 DP_BeckhoffTwincat3/ModuleProperty/obj/Debug/TemporaryGeneratedFile_E7↵
A71F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference
- 7.41 DP_BeckhoffTwincat3/ModuleSolutionExplorer/obj/Debug/TemporaryGenerated↵
File_E7A71F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference
- 7.42 DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/TemporaryGeneratedFile_E7A71↵
F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference
- 7.43 DP_BeckhoffTwincat3/ModuleWorkSpace/obj/Debug/TemporaryGeneratedFile_E7↵
A71F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference
- 7.44 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/TemporaryGeneratedFile_E7A71↵
F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference
- 7.45 DP_BeckhoffTwincat3/SqliteService/obj/Debug/TemporaryGeneratedFile_E7A71↵
F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference
- 7.46 DP_BeckhoffTwincat3/TwincatService/obj/Debug/TemporaryGeneratedFile_E7A71↵
F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs File Reference
- 7.47 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/Window/MainWindow.g.cs
File Reference

Classes

- class DP_BeckhoffTwincat3.MainWindow
MainWindow (p. 116)

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.48 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/obj/Debug/Window/MainWindow.g.cs File Reference

Classes

- class **DP_BeckhoffTwincat3_Runner.MainWindow**
MainWindow (p. 118)

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner**

7.49 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/obj/Debug/Window/NewProject.g.i.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.NewProject**
NewProject (p. 124)

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.50 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/NewProject.g.i.cs File Reference

Classes

- class **ObjectLibrary.NewProject**
NewProject (p. 125)

Namespaces

- namespace **ObjectLibrary**

- 7.51 **DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/Properties/AssemblyInfo.cs File Reference**
- 7.52 **DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/Properties/AssemblyInfo.cs File Reference**
- 7.53 **DP_BeckhoffTwincat3/ModuleProperty/Properties/AssemblyInfo.cs File Reference**
- 7.54 **DP_BeckhoffTwincat3/ModuleSolutionExplorer/Properties/AssemblyInfo.cs File Reference**
- 7.55 **DP_BeckhoffTwincat3/ModuleToolbox/Properties/AssemblyInfo.cs File Reference**
- 7.56 **DP_BeckhoffTwincat3/ModuleWorkSpace/Properties/AssemblyInfo.cs File Reference**
- 7.57 **DP_BeckhoffTwincat3/ObjectLibrary/Properties/AssemblyInfo.cs File Reference**
- 7.58 **DP_BeckhoffTwincat3/SqliteService/Properties/AssemblyInfo.cs File Reference**
- 7.59 **DP_BeckhoffTwincat3/TwincatService/Properties/AssemblyInfo.cs File Reference**
- 7.60 **DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/Properties/Resources.Designer.cs File Reference**

Classes

- class **DP_BeckhoffTwincat3.Properties.Resources**
A strongly-typed resource class, for looking up localized strings, etc.

Namespaces

- namespace **DP_BeckhoffTwincat3.Properties**

- 7.61 **DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/Properties/Resources.Designer.cs File Reference**

Classes

- class **DP_BeckhoffTwincat3_Runner.Properties.Resources**
A strongly-typed resource class, for looking up localized strings, etc.

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner.Properties**

7.62 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/Properties/Settings.Designer.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.Properties.Settings**

Namespaces

- namespace **DP_BeckhoffTwincat3.Properties**

7.63 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/Properties/Settings.Designer.cs File Reference

Classes

- class **DP_BeckhoffTwincat3_Runner.Properties.Settings**

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner.Properties**

7.64 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/ViewModel/ViewModelMainWindow.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.ViewModelMainWindow**

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.65 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/ViewModel/ViewModelMainWindow.cs File Reference

Classes

- class **DP_BeckhoffTwincat3_Runner.ViewModelMainWindow**

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner**

7.66 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3/Window/MainWindow.xaml.cs File Reference

Classes

- class **DP_BeckhoffTwincat3.MainWindow**
MainWindow (p. 116)

Namespaces

- namespace **DP_BeckhoffTwincat3**

7.67 DP_BeckhoffTwincat3/DP_BeckhoffTwincat3_Runner/Window/MainWindow.xaml.cs File Reference

Classes

- class **DP_BeckhoffTwincat3_Runner.MainWindow**
MainWindow (p. 118)

Namespaces

- namespace **DP_BeckhoffTwincat3_Runner**

7.68 DP_BeckhoffTwincat3/ModuleProperty/Converter/ObjectToVisibility.cs File Reference

Classes

- class **ModuleProperty.ObjectToVisibility**

Namespaces

- namespace **ModuleProperty**

7.69 DP_BeckhoffTwincat3/ModuleProperty/ModuleProperty.cs File Reference

Classes

- class **ModuleProperty.ModuleProperty**

Namespaces

- namespace **ModuleProperty**

7.70 DP_BeckhoffTwincat3/ModuleProperty/obj/Debug/GeneratedInternalTypeHelper.g.cs File Reference

7.71 DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/GeneratedInternalTypeHelper.g.cs File Reference

7.72 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/GeneratedInternalTypeHelper.g.cs File Reference

7.73 DP_BeckhoffTwincat3/ModuleProperty/obj/Debug/View/ViewProperty.g.cs File Reference

Classes

- class **ModuleProperty.ViewProperty**
ViewProperty (p. 230)

Namespaces

- namespace **ModuleProperty**

7.74 DP_BeckhoffTwincat3/ModuleProperty/obj/Debug/View/ViewProperty.g.i.cs File Reference

Classes

- class **ModuleProperty.ViewProperty**
ViewProperty (p. 230)

Namespaces

- namespace **ModuleProperty**

7.75 DP_BeckhoffTwincat3/ModuleProperty/View/ViewProperty.xaml.cs File Reference

Classes

- class **ModuleProperty.ViewProperty**
ViewProperty (p. 230)

Namespaces

- namespace **ModuleProperty**

7.76 DP_BeckhoffTwincat3/ModuleProperty/ViewModel/ViewModelProperty.cs File Reference

Classes

- class **ModuleProperty.ViewModelProperty**

Namespaces

- namespace **ModuleProperty**

7.77 DP_BeckhoffTwincat3/ModuleSolutionExplorer/ModuleSolutionExplorer.cs File Reference

Classes

- class **ModuleSolutionExplorer.ModuleSolutionExplorer**

Namespaces

- namespace **ModuleSolutionExplorer**

7.78 DP_BeckhoffTwincat3/ModuleSolutionExplorer/obj/Debug/View/ViewSolutionExplorer.g.cs File Reference

Classes

- class **ModuleSolutionExplorer.ViewSolutionExplorer**
ViewSolutionExplorer (p. 232)

Namespaces

- namespace **ModuleSolutionExplorer**

7.79 DP_BeckhoffTwincat3/ModuleSolutionExplorer/obj/Debug/View/ViewSolutionExplorer.g.i.cs File Reference

Classes

- class **ModuleSolutionExplorer.ViewSolutionExplorer**
ViewSolutionExplorer (p. 232)

Namespaces

- namespace **ModuleSolutionExplorer**

7.80 DP_BeckhoffTwincat3/ModuleSolutionExplorer/View/ViewSolutionExplorer.xaml.cs File Reference

Classes

- class **ModuleSolutionExplorer.ViewSolutionExplorer**
ViewSolutionExplorer (p. 232)

Namespaces

- namespace **ModuleSolutionExplorer**

7.81 DP_BeckhoffTwincat3/ModuleSolutionExplorer/ViewModel/ViewModelSolutionExplorer.cs File Reference

Classes

- class **ModuleSolutionExplorer.ViewModelSolutionExplorer**

Namespaces

- namespace **ModuleSolutionExplorer**

7.82 DP_BeckhoffTwincat3/ModuleToolbox/ModuleToolbox.cs File Reference

Classes

- class **ModuleToolbox.ModuleToolbox**

Namespaces

- namespace **ModuleToolbox**

7.83 DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/Resources/UserControl/PlcButton.g.i.cs File Reference

Classes

- class **ModuleToolbox.PlcButton**
PlcButton (p. 147)

Namespaces

- namespace **ModuleToolbox**

7.84 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/PlcButton.g.i.cs File Reference

Classes

- class **ObjectLibrary.PlcButton**
Interaction logic for PlcButton.xaml

Namespaces

- namespace **ObjectLibrary**

7.85 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Standard/PlcButton.g.i.cs File Reference

Classes

- class **ObjectLibrary.PlcButton**
Interaction logic for PlcButton.xaml

Namespaces

- namespace **ObjectLibrary**

7.86 DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/View/ViewToolbox.g.cs File Reference

Classes

- class **ModuleToolbox.ViewToolbox**
ViewToolbox (p. 233)

Namespaces

- namespace **ModuleToolbox**

7.87 DP_BeckhoffTwincat3/ModuleToolbox/obj/Debug/View/ViewToolbox.g.i.cs File Reference

Classes

- class **ModuleToolbox.ViewToolbox**
ViewToolbox (p. 233)

Namespaces

- namespace **ModuleToolbox**

7.88 DP_BeckhoffTwincat3/ModuleToolbox/Resources/Toolbox/Toolbox.cs File Reference

Classes

- class **ModuleToolbox.Toolbox**

Namespaces

- namespace **ModuleToolbox**

7.89 DP_BeckhoffTwincat3/ModuleToolbox/Resources/Toolbox/ToolboxItem.cs File Reference

Classes

- class **ModuleToolbox.ToolboxItem**

Namespaces

- namespace **ModuleToolbox**

7.90 DP_BeckhoffTwincat3/ModuleToolbox/View/ViewToolbox.xaml.cs File Reference

Classes

- class **ModuleToolbox.ViewToolbox**
ViewToolbox (p. 233)

Namespaces

- namespace **ModuleToolbox**

7.91 DP_BeckhoffTwincat3/ModuleToolbox/ViewModel/ViewModelToolbox.cs File Reference

Classes

- class **ModuleToolbox.ViewModelToolbox**

Namespaces

- namespace **ModuleToolbox**

7.92 DP_BeckhoffTwincat3/ModuleWorkSpace/ModuleWorkSpace.cs File Reference

Classes

- class **ModuleWorkSpace.ModuleWorkSpace**

Namespaces

- namespace **ModuleWorkSpace**

7.93 DP_BeckhoffTwincat3/ModuleWorkSpace/obj/Debug/View/ViewWorkSpace.g.cs File Reference

Classes

- class **ModuleWorkSpace.ViewWorkSpace**
ViewWorkSpace (p. 234)

Namespaces

- namespace **ModuleWorkSpace**

7.94 DP_BeckhoffTwincat3/ModuleWorkSpace/obj/Debug/View/ViewWorkSpace.g.i.cs File Reference

Classes

- class **ModuleWorkSpace.ViewWorkSpace**
ViewWorkSpace (p. 234)

Namespaces

- namespace **ModuleWorkSpace**

7.95 DP_BeckhoffTwincat3/ModuleWorkSpace/View/ViewWorkSpace.xaml.cs File Reference

Classes

- class **ModuleWorkSpace.ViewWorkSpace**
ViewWorkSpace (p. 234)

Namespaces

- namespace **ModuleWorkSpace**

7.96 DP_BeckhoffTwincat3/ModuleWorkSpace/ViewModel/ViewModelWorkSpace.cs File Reference

Classes

- class **ModuleWorkSpace.ViewModelWorkSpace**

Namespaces

- namespace **ModuleWorkSpace**

7.97 DP_BeckhoffTwincat3/ObjectLibrary/Commands/ApplicationCommands.cs File Reference

Classes

- interface **ObjectLibrary.IApplicationCommands**
- class **ObjectLibrary.ApplicationCommands**

Namespaces

- namespace **ObjectLibrary**

7.98 DP_BeckhoffTwincat3/ObjectLibrary/Commands/RelayCommand.cs File Reference

Classes

- class **ObjectLibrary.RelayCommand**

Namespaces

- namespace **ObjectLibrary**

7.99 DP_BeckhoffTwincat3/ObjectLibrary/ControlBase.cs File Reference

Classes

- class **ObjectLibrary.ControlBase**

Namespaces

- namespace **ObjectLibrary**

7.100 DP_BeckhoffTwincat3/ObjectLibrary/Controls/DesignSpace/Controls/AlarmHeader.xaml.cs File Reference

Classes

- class **ObjectLibrary.AlarmHeader**
Interaction logic for AlarmHeader.xaml

Namespaces

- namespace **ObjectLibrary**

7.101 DP_BeckhoffTwincat3/ObjectLibrary/Controls/DesignSpace/Controls/Content.xaml.cs File Reference ↩↪

Classes

- class **ObjectLibrary.Content**
Interaction logic for Content.xaml

Namespaces

- namespace **ObjectLibrary**

7.102 DP_BeckhoffTwincat3/ObjectLibrary/Controls/DesignSpace/Controls/VisuMenu.xaml.cs File Reference ↩↪

Classes

- class **ObjectLibrary.VisuMenu**
Interaction logic for Menu.xaml

Namespaces

- namespace **ObjectLibrary**

7.103 DP_BeckhoffTwincat3/ObjectLibrary/Controls/DevicesControl/AmsNetId.xaml.cs File Reference

Classes

- class **ObjectLibrary.AmsNetId**
AmsNetId (p. 43)

Namespaces

- namespace **ObjectLibrary**

7.104 DP_BeckhoffTwincat3/ObjectLibrary/Controls/ObjectProperties.cs File Reference

Classes

- class **ObjectLibrary.ObjectProperties**

Namespaces

- namespace **ObjectLibrary**

7.105 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Diagnostic/Alarms.xaml.cs File Reference

Classes

- class **ObjectLibrary.Alarms**
Interaction logic for Alarms.xaml

Namespaces

- namespace **ObjectLibrary**

7.106 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Diagnostic/DeviceControl.xaml.cs File Reference

Classes

- class **ObjectLibrary.DeviceControl**
Interaction logic for Device.xaml

Namespaces

- namespace **ObjectLibrary**

7.107 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Diagnostic/Journal.xaml.cs File Reference

Classes

- class **ObjectLibrary.Journal**
Interaction logic for Journal.xaml

Namespaces

- namespace **ObjectLibrary**

7.108 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Diagnostic/Login.xaml.cs File Reference

Classes

- class **ObjectLibrary.Login**
Interaction logic for Login.xaml

Namespaces

- namespace **ObjectLibrary**

7.109 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Industrial/Agitator.xaml.cs File Reference

Classes

- class **ObjectLibrary.Agitator**
Interaction logic for Agitator.xaml

Namespaces

- namespace **ObjectLibrary**

7.110 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Industrial/Pump.xaml.cs File Reference

Classes

- class **ObjectLibrary.Pump**
Interaction logic for Pump.xaml

Namespaces

- namespace **ObjectLibrary**

7.111 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Industrial/Sensor.xaml.cs File Reference

Classes

- class **ObjectLibrary.Sensor**
Interaction logic for Sensor.xaml

Namespaces

- namespace **ObjectLibrary**

7.112 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Industrial/Tank.xaml.cs File Reference

Classes

- class **ObjectLibrary.Tank**
Interaction logic for Tank.xaml

Namespaces

- namespace **ObjectLibrary**

7.113 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Industrial/Valve2.xaml.cs File Reference

Classes

- class **ObjectLibrary.Valve2**
Interaction logic for Valve2.xaml

Namespaces

- namespace **ObjectLibrary**

7.114 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Pages/PageButton.xaml.cs File Reference

Classes

- class **ObjectLibrary.PageButton**
Interaction logic for PlcButton.xaml

Namespaces

- namespace **ObjectLibrary**

7.115 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Pipe/Pipel.xaml.cs File Reference

Classes

- class **ObjectLibrary.Pipel**
Interaction logic for Pipel.xaml

Namespaces

- namespace **ObjectLibrary**

7.116 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Pipe/PipeL.xaml.cs File Reference

Classes

- class **ObjectLibrary.PipeL**
Interaction logic for PipeL.xaml

Namespaces

- namespace **ObjectLibrary**

7.117 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Pipe/PipeT.xaml.cs File Reference

Classes

- class **ObjectLibrary.PipeT**
Interaction logic for PipeT.xaml

Namespaces

- namespace **ObjectLibrary**

7.118 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Standard/Chart.xaml.cs File Reference

Classes

- class **ObjectLibrary.Chart**
Interaction logic for Chart.xaml

Namespaces

- namespace **ObjectLibrary**

7.119 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Standard/PlcButton.xaml.cs File Reference

Classes

- class **ObjectLibrary.PlcButton**
Interaction logic for PlcButton.xaml

Namespaces

- namespace **ObjectLibrary**

7.120 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Standard/PlcLabel.xaml.cs File Reference

Classes

- class **ObjectLibrary.PlcLabel**
Interaction logic for PlcLabel.xaml

Namespaces

- namespace **ObjectLibrary**

7.121 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Standard/PlcLed.xaml.cs File Reference

Classes

- class **ObjectLibrary.PlcLed**
Interaction logic for PlcLed.xaml

Namespaces

- namespace **ObjectLibrary**

7.122 DP_BeckhoffTwincat3/ObjectLibrary/Controls/Toolbox/Standard/PlcNumericEdit.xaml.cs File Reference

Classes

- class **ObjectLibrary.PlcNumericEdit**
Interaction logic for PlcNumericEdit.xaml

Namespaces

- namespace **ObjectLibrary**

7.123 DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/DragThumb.cs File Reference

Classes

- class **ObjectLibrary.DragThumb**

Namespaces

- namespace **ObjectLibrary**

7.124 DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/IGroupable.cs File Reference

Classes

- interface **ObjectLibrary.IGroupable**

Namespaces

- namespace **ObjectLibrary**

7.125 DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/ISelectable.cs File Reference

Classes

- interface **ObjectLibrary.ISelectable**

Namespaces

- namespace **ObjectLibrary**

7.126 DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/Item.cs File Reference

Classes

- class **ObjectLibrary.Item**

Namespaces

- namespace **ObjectLibrary**

7.127 DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/ResizeThumb.cs File Reference

Classes

- class **ObjectLibrary.ResizeThumb**

Namespaces

- namespace **ObjectLibrary**

7.128 DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/RubberbandAdorner.cs File Reference

Classes

- class **ObjectLibrary.RubberbandAdorner**

Namespaces

- namespace **ObjectLibrary**

7.129 DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/SelectionService.cs File Reference

Classes

- class **ObjectLibrary.SelectionService**

Namespaces

- namespace **ObjectLibrary**

7.130 DP_BeckhoffTwincat3/ObjectLibrary/Controls/WorkSpace/WorkSpace.cs File Reference

Classes

- class **ObjectLibrary.WorkSpace**

Namespaces

- namespace **ObjectLibrary**

7.131 DP_BeckhoffTwincat3/ObjectLibrary/Converter/ColorToSolidColorBrushValueConverter.cs File Reference

Classes

- class **ObjectLibrary.ColorToSolidColorBrushValueConverter**

Namespaces

- namespace **ObjectLibrary**

7.132 DP_BeckhoffTwincat3/ObjectLibrary/Converter/EnumConverter.cs File Reference

Classes

- class **ObjectLibrary.EnumConverter**

Namespaces

- namespace **ObjectLibrary**

7.133 DP_BeckhoffTwincat3/ObjectLibrary/Converter/TextToBool.cs File Reference

Classes

- class **ObjectLibrary.TextToBool**

Namespaces

- namespace **ObjectLibrary**

7.134 DP_BeckhoffTwincat3/ObjectLibrary/DragObject.cs File Reference

Classes

- class **ObjectLibrary.DragObject**

Namespaces

- namespace **ObjectLibrary**

7.135 DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/Devices.cs File Reference

Classes

- class **ObjectLibrary.DevicesEvent**
- class **ObjectLibrary.Devices**

Namespaces

- namespace **ObjectLibrary**

Enumerations

- enum **ObjectLibrary.Action** { **ObjectLibrary.Action.None**, **ObjectLibrary.Action.Add**, **ObjectLibrary.Action.Remove** }

7.136 DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/Pages.cs File Reference

Classes

- class **ObjectLibrary.Pages**

Namespaces

- namespace **ObjectLibrary**

7.137 DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/PropertyObject.cs File Reference

Classes

- class **ObjectLibrary.PropertyObjectEvent**
- class **ObjectLibrary.PropertyObject**

Namespaces

- namespace **ObjectLibrary**

7.138 DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/StringEvent.cs File Reference

Classes

- class **ObjectLibrary.StringEvent**

Namespaces

- namespace **ObjectLibrary**

7.139 DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/Tabs.cs File Reference

Classes

- class **ObjectLibrary.TabEvent**
- class **ObjectLibrary.Tab**

Namespaces

- namespace **ObjectLibrary**

7.140 DP_BeckhoffTwincat3/ObjectLibrary/EventAggregator/ToolboxEA.cs File Reference

Classes

- class **ObjectLibrary.ToolboxEA**

Namespaces

- namespace **ObjectLibrary**

Enumerations

- enum **ObjectLibrary.TabTyp** { **ObjectLibrary.TabTyp.None**, **ObjectLibrary.TabTyp.Screen**, **ObjectLibrary.TabTyp.Design** }

7.141 DP_BeckhoffTwincat3/ObjectLibrary/Model/Alarms/AlarmsLevel.cs File Reference

Namespaces

- namespace **ObjectLibrary**

Enumerations

- enum **ObjectLibrary.AlarmsLevel** { **ObjectLibrary.AlarmsLevel.Unknown**, **ObjectLibrary.AlarmsLevel.Information**, **ObjectLibrary.AlarmsLevel.Warning**, **ObjectLibrary.AlarmsLevel.Error** }

7.142 DP_BeckhoffTwincat3/ObjectLibrary/Model/Alarms/AlarmsModel.cs File Reference

Classes

- class **ObjectLibrary.AlarmsModel**

Namespaces

- namespace **ObjectLibrary**

7.143 DP_BeckhoffTwincat3/ObjectLibrary/Model/Chart/MeasureModel.cs File Reference

Classes

- class **Wpf.CartesianChart.ConstantChanges.MeasureModel**

Namespaces

- namespace **Wpf.CartesianChart.ConstantChanges**

7.144 DP_BeckhoffTwincat3/ObjectLibrary/Model/Device/DataChangeEvent.cs File Reference

Classes

- class **ObjectLibrary.DataChangeEvent**

Namespaces

- namespace **ObjectLibrary**

7.145 DP_BeckhoffTwincat3/ObjectLibrary/Model/Device/DeviceChangeEvent.cs File Reference

Classes

- class **ObjectLibrary.DeviceChangeEvent**

Namespaces

- namespace **ObjectLibrary**

7.146 DP_BeckhoffTwincat3/ObjectLibrary/Model/Device/WriteDataChangeEvent.cs File Reference

Classes

- class **ObjectLibrary.WriteDataChangeEvent**

Namespaces

- namespace **ObjectLibrary**

7.147 DP_BeckhoffTwincat3/ObjectLibrary/Model/Journal/JournalModel.cs File Reference

Classes

- class **ObjectLibrary.JournalModel**

Namespaces

- namespace **ObjectLibrary**

7.148 DP_BeckhoffTwincat3/ObjectLibrary/Model/Journal/JournalValue.cs File Reference

Classes

- class **ObjectLibrary.JournalValue**

Namespaces

- namespace **ObjectLibrary**

7.149 DP_BeckhoffTwincat3/ObjectLibrary/Model/Journal/ProcessJournal.cs File Reference

Classes

- class **ObjectLibrary.ProcessJournal**

Namespaces

- namespace **ObjectLibrary**

7.150 DP_BeckhoffTwincat3/ObjectLibrary/Model/Login/User.cs File Reference

Classes

- class **ObjectLibrary.User**

Namespaces

- namespace **ObjectLibrary**

7.151 DP_BeckhoffTwincat3/ObjectLibrary/Model/Login/UserChangeEvent.cs File Reference

Classes

- class **ObjectLibrary.UserChangeEvent**

Namespaces

- namespace **ObjectLibrary**

7.152 DP_BeckhoffTwincat3/ObjectLibrary/Model/Login/UserLevels.cs File Reference

Namespaces

- namespace **ObjectLibrary**

Enumerations

- enum **ObjectLibrary.UserLevels** {
 ObjectLibrary.UserLevels.None, **ObjectLibrary.UserLevels.Operator**, **ObjectLibrary.UserLevels.Technical**,
 ObjectLibrary.UserLevels.Technologist,
 ObjectLibrary.UserLevels.Admin }

7.153 DP_BeckhoffTwincat3/ObjectLibrary/Model/Login/UserLoginEvent.cs File Reference

Classes

- class **ObjectLibrary.UserLoginEvent**

Namespaces

- namespace **ObjectLibrary**

7.154 DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/Alarm.cs File Reference

Classes

- class **ObjectLibrary.Alarm**

Namespaces

- namespace **ObjectLibrary**

7.155 DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/Design.cs File Reference

Classes

- class **ObjectLibrary.Design**

Namespaces

- namespace **ObjectLibrary**

7.156 DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/Device.cs File Reference

Classes

- class **ObjectLibrary.Device**
Device (p. 70)

Namespaces

- namespace **ObjectLibrary**

7.157 DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/DeviceFolder.cs File Reference

Classes

- class **ObjectLibrary.DeviceFolder**

Namespaces

- namespace **ObjectLibrary**

7.158 DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/Menu.cs File Reference

Classes

- class **ObjectLibrary.Menu**

Namespaces

- namespace **ObjectLibrary**

7.159 DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ProjectSolution.cs File Reference

Classes

- class **ObjectLibrary.ProjectSolution**

Namespaces

- namespace **ObjectLibrary**

7.160 DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/Properties.cs File Reference

Classes

- class **ObjectLibrary.Properties**

Namespaces

- namespace **ObjectLibrary**

7.161 DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/Screen.cs File Reference

Classes

- class **ObjectLibrary.Screen**

Namespaces

- namespace **ObjectLibrary**

7.162 DP_BeckhoffTwincat3/ObjectLibrary/Model/ProjectSolution/ScreenFolder.cs File Reference

Classes

- class **ObjectLibrary.ScreenFolder**

Namespaces

- namespace **ObjectLibrary**

7.163 DP_BeckhoffTwincat3/ObjectLibrary/Model/Properties/ReadColor.cs File Reference

Classes

- class **ObjectLibrary.ReadColor**

Namespaces

- namespace **ObjectLibrary**

7.164 DP_BeckhoffTwincat3/ObjectLibrary/Model/Properties/ValueColor.cs File Reference

Classes

- class **ObjectLibrary.ValueColor**

Namespaces

- namespace **ObjectLibrary**

7.165 DP_BeckhoffTwincat3/ObjectLibrary/Model/Properties/ValueToText.cs File Reference

Classes

- class **ObjectLibrary.ValueToText**

Namespaces

- namespace **ObjectLibrary**

7.166 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/AlarmHeader.g.cs File Reference

Classes

- class **ObjectLibrary.AlarmHeader**
Interaction logic for AlarmHeader.xaml

Namespaces

- namespace **ObjectLibrary**

7.167 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/AlarmHeader.g.i.cs File Reference

Classes

- class **ObjectLibrary.AlarmHeader**
Interaction logic for AlarmHeader.xaml

Namespaces

- namespace **ObjectLibrary**

7.168 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/AlarmHeader.g.i.cs File Reference

Classes

- class **ObjectLibrary.AlarmHeader**
Interaction logic for AlarmHeader.xaml

Namespaces

- namespace **ObjectLibrary**

7.169 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/Content.g.cs File Reference

Classes

- class **ObjectLibrary.Content**
Interaction logic for Content.xaml

Namespaces

- namespace **ObjectLibrary**

7.170 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/Content.g.i.cs File Reference

Classes

- class **ObjectLibrary.Content**
Interaction logic for Content.xaml

Namespaces

- namespace **ObjectLibrary**

7.171 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/↔ Menu.g.i.cs File Reference

Classes

- class **ObjectLibrary VisuMenu**
Interaction logic for Menu.xaml

Namespaces

- namespace **ObjectLibrary**

7.172 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/↔ VisuMenu.g.cs File Reference

Classes

- class **ObjectLibrary VisuMenu**
Interaction logic for Menu.xaml

Namespaces

- namespace **ObjectLibrary**

7.173 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DesignSpace/Controls/↔ VisuMenu.g.i.cs File Reference

Classes

- class **ObjectLibrary VisuMenu**
Interaction logic for Menu.xaml

Namespaces

- namespace **ObjectLibrary**

7.174 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DevicesControl/AmsNetId.g.cs File Reference

Classes

- class **ObjectLibrary.AmsNetId**
AmsNetId (p. 43)

Namespaces

- namespace **ObjectLibrary**

7.175 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DevicesControl/AmsNetId.g.i.cs File Reference

Classes

- class **ObjectLibrary.AmsNetId**
AmsNetId (p. 43)

Namespaces

- namespace **ObjectLibrary**

7.176 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DeviceSpace/DeviceSpace.g.i.cs File Reference

Classes

- class **ObjectLibrary.DeviceSpace**
DeviceSpace (p. 69)

Namespaces

- namespace **ObjectLibrary**

7.177 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/DeviceSpace/DeviceSpace.g.i.cs File Reference

Classes

- class **ObjectLibrary.DeviceSpace**
DeviceSpace (p. 79)

Namespaces

- namespace **ObjectLibrary**

7.178 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Device.g.i.cs File Reference

Classes

- class **ObjectLibrary.Controls.Toolbox.Device**
Device (p. 71)

Namespaces

- namespace **ObjectLibrary.Controls.Toolbox**

7.179 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/↵ Device.g.i.cs File Reference

Classes

- class **ObjectLibrary.Device**
Device (p. 70)

Namespaces

- namespace **ObjectLibrary**

7.180 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/↵ Alarms.g.cs File Reference

Classes

- class **ObjectLibrary.Alarms**
Interaction logic for Alarms.xaml

Namespaces

- namespace **ObjectLibrary**

7.181 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/↵ Alarms.g.i.cs File Reference

Classes

- class **ObjectLibrary.Alarms**
Interaction logic for Alarms.xaml

Namespaces

- namespace **ObjectLibrary**

7.182 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/↵ DeviceControl.g.cs File Reference

Classes

- class **ObjectLibrary.DeviceControl**
Interaction logic for Device.xaml

Namespaces

- namespace **ObjectLibrary**

7.183 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/↵ DeviceControl.g.i.cs File Reference

Classes

- class **ObjectLibrary.DeviceControl**
Interaction logic for Device.xaml

Namespaces

- namespace **ObjectLibrary**

7.184 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/↵ Journal.g.cs File Reference

Classes

- class **ObjectLibrary.Journal**
Interaction logic for Journal.xaml

Namespaces

- namespace **ObjectLibrary**

7.185 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/↔ Journal.g.i.cs File Reference

Classes

- class **ObjectLibrary.Journal**
Interaction logic for Journal.xaml

Namespaces

- namespace **ObjectLibrary**

7.186 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/↔ Login.g.cs File Reference

Classes

- class **ObjectLibrary.Login**
Interaction logic for Login.xaml

Namespaces

- namespace **ObjectLibrary**

7.187 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Diagnostic/↔ Login.g.i.cs File Reference

Classes

- class **ObjectLibrary.Login**
Interaction logic for Login.xaml

Namespaces

- namespace **ObjectLibrary**

7.188 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Agitator.g.cs File Reference

Classes

- class **ObjectLibrary.Agitator**
Interaction logic for Agitator.xaml

Namespaces

- namespace **ObjectLibrary**

7.189 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Agitator.g.i.cs File Reference

Classes

- class **ObjectLibrary.Agitator**
Interaction logic for Agitator.xaml

Namespaces

- namespace **ObjectLibrary**

7.190 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Pump.g.cs File Reference

Classes

- class **ObjectLibrary.Pump**
Interaction logic for Pump.xaml

Namespaces

- namespace **ObjectLibrary**

7.191 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Pump.g.i.cs File Reference

Classes

- class **ObjectLibrary.Pump**
Interaction logic for Pump.xaml

Namespaces

- namespace **ObjectLibrary**

7.192 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Sensor.g.cs File Reference

Classes

- class **ObjectLibrary.Sensor**
Interaction logic for Sensor.xaml

Namespaces

- namespace **ObjectLibrary**

7.193 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Sensor.g.i.cs File Reference

Classes

- class **ObjectLibrary.Sensor**
Interaction logic for Sensor.xaml

Namespaces

- namespace **ObjectLibrary**

7.194 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Tank.g.cs File Reference

Classes

- class **ObjectLibrary.Tank**
Interaction logic for Tank.xaml

Namespaces

- namespace **ObjectLibrary**

7.195 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Tank.g.i.cs File Reference

Classes

- class **ObjectLibrary.Tank**
Interaction logic for Tank.xml

Namespaces

- namespace **ObjectLibrary**

7.196 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Valve2.g.cs File Reference

Classes

- class **ObjectLibrary.Valve2**
Interaction logic for Valve2.xml

Namespaces

- namespace **ObjectLibrary**

7.197 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Valve2.g.i.cs File Reference

Classes

- class **ObjectLibrary.Valve2**
Interaction logic for Valve2.xml

Namespaces

- namespace **ObjectLibrary**

7.198 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Industrial/↔ Valve3.g.i.cs File Reference

Classes

- class **ObjectLibrary.Valve3**
Valve3 (p. 213)

Namespaces

- namespace **ObjectLibrary**

7.199 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pages/PageButton.g.cs File Reference

Classes

- class **ObjectLibrary.PageButton**
Interaction logic for PlcButton.xaml

Namespaces

- namespace **ObjectLibrary**

7.200 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pages/PageButton.g.i.cs File Reference

Classes

- class **ObjectLibrary.PageButton**
Interaction logic for PlcButton.xaml

Namespaces

- namespace **ObjectLibrary**

7.201 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pages/PlcButton - Copy.g.i.cs File Reference

Classes

- class **ObjectLibrary.PlcButton**
Interaction logic for PlcButton.xaml

Namespaces

- namespace **ObjectLibrary**

7.202 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/PlcButton - Copy.g.i.cs File Reference

Classes

- class **ObjectLibrary.PlcButton**
Interaction logic for PlcButton.xaml

Namespaces

- namespace **ObjectLibrary**

7.203 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/Pipel.g.cs File Reference

Classes

- class **ObjectLibrary.Pipel**
Interaction logic for Pipel.xaml

Namespaces

- namespace **ObjectLibrary**

7.204 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/Pipel.g.i.cs File Reference

Classes

- class **ObjectLibrary.Pipel**
Interaction logic for Pipel.xaml

Namespaces

- namespace **ObjectLibrary**

7.205 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/PipeL.g.cs File Reference

Classes

- class **ObjectLibrary.PipeL**
Interaction logic for PipeL.xaml

Namespaces

- namespace **ObjectLibrary**

7.206 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/PipeL.g.i.cs File Reference

Classes

- class **ObjectLibrary.PipeL**
Interaction logic for PipeL.xaml

Namespaces

- namespace **ObjectLibrary**

7.207 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/Pipe← Sensor.g.i.cs File Reference

Classes

- class **ObjectLibrary.PipeSensor**
PipeSensor (p. 143)

Namespaces

- namespace **ObjectLibrary**

7.208 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/PipeT.g.cs File Reference

Classes

- class **ObjectLibrary.PipeT**
Interaction logic for PipeT.xaml

Namespaces

- namespace **ObjectLibrary**

7.209 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Pipe/PipeT.g.i.cs File Reference

Classes

- class **ObjectLibrary.PipeT**
Interaction logic for PipeT.xaml

Namespaces

- namespace **ObjectLibrary**

7.210 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/↔ Chart.g.cs File Reference

Classes

- class **ObjectLibrary.Chart**
Interaction logic for Chart.xaml

Namespaces

- namespace **ObjectLibrary**

7.211 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/↔ Chart.g.i.cs File Reference

Classes

- class **ObjectLibrary.Chart**
Interaction logic for Chart.xaml

Namespaces

- namespace **ObjectLibrary**

7.212 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/Plc↔ Button.g.cs File Reference

Classes

- class **ObjectLibrary.PlcButton**
Interaction logic for PlcButton.xaml

Namespaces

- namespace **ObjectLibrary**

7.213 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/PlcLabel.g.cs File Reference

Classes

- class **ObjectLibrary.PlcLabel**
Interaction logic for PlcLabel.xaml

Namespaces

- namespace **ObjectLibrary**

7.214 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/PlcLabel.g.i.cs File Reference

Classes

- class **ObjectLibrary.PlcLabel**
Interaction logic for PlcLabel.xaml

Namespaces

- namespace **ObjectLibrary**

7.215 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Standard/PlcLabel.g.i.cs File Reference

Classes

- class **ObjectLibrary.PlcLabel**
Interaction logic for PlcLabel.xaml

Namespaces

- namespace **ObjectLibrary**

7.216 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/PlcLed.g.cs File Reference

Classes

- class **ObjectLibrary.PlcLed**
Interaction logic for PlcLed.xaml

Namespaces

- namespace **ObjectLibrary**

7.217 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/PlcLed.g.i.cs File Reference

Classes

- class **ObjectLibrary.PlcLed**
Interaction logic for PlcLed.xaml

Namespaces

- namespace **ObjectLibrary**

7.218 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Standard/PlcLed.g.i.cs File Reference

Classes

- class **ObjectLibrary.PlcLed**
Interaction logic for PlcLed.xaml

Namespaces

- namespace **ObjectLibrary**

7.219 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/PlcNumericEdit.g.cs File Reference

Classes

- class **ObjectLibrary.PlcNumericEdit**
Interaction logic for PlcNumericEdit.xaml

Namespaces

- namespace **ObjectLibrary**

7.220 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/Toolbox/Standard/PlcNumericEdit.g.i.cs File Reference

Classes

- class **ObjectLibrary.PlcNumericEdit**
Interaction logic for PlcNumericEdit.xaml

Namespaces

- namespace **ObjectLibrary**

7.221 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Standard/PlcNumericEdit.g.i.cs File Reference

Classes

- class **ObjectLibrary.PlcNumericEdit**
Interaction logic for PlcNumericEdit.xaml

Namespaces

- namespace **ObjectLibrary**

7.222 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Controls/WorkSpace/WorkSpace1.g.i.cs File Reference

Classes

- class **ObjectLibrary.Controls.WorkSpace.WorkSpace1**
WorkSpace1 (p. 243)

Namespaces

- namespace **ObjectLibrary.Controls.WorkSpace**

7.223 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Dialog/Test.g.i.cs File Reference

Classes

- class **ObjectLibrary.Test**
Test (p. 197)

Namespaces

- namespace **ObjectLibrary**

7.224 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/AlarmsWindow - Copy.g.i.cs File Reference

Classes

- class **ObjectLibrary.AlarmsWindow**
AlarmsWindow (p. 41)

Namespaces

- namespace **ObjectLibrary**

7.225 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/AlarmsWindow.g.cs File Reference

Classes

- class **ObjectLibrary.AlarmsWindow**
AlarmsWindow (p. 41)

Namespaces

- namespace **ObjectLibrary**

7.226 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/AlarmsWindow.g.i.cs File Reference

Classes

- class **ObjectLibrary.AlarmsWindow**
AlarmsWindow (p. 41)

Namespaces

- namespace **ObjectLibrary**

7.227 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/LoadingWindow.g.cs File Reference

Classes

- class **ObjectLibrary.LoadingWindow**
LoadingWindow (p. 109)

Namespaces

- namespace **ObjectLibrary**

7.228 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/LoadingWindow.g.i.cs File Reference

Classes

- class **ObjectLibrary.LoadingWindow**
LoadingWindow (p. 109)

Namespaces

- namespace **ObjectLibrary**

7.229 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/LoginWindow - Copy.g.i.cs File Reference

Classes

- class **ObjectLibrary.LoginWindow**
LoginWindow (p. 115)

Namespaces

- namespace **ObjectLibrary**

7.230 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/LoginWindow.g.cs File Reference

Classes

- class **ObjectLibrary.LoginWindow**
LoginWindow (p. 115)

Namespaces

- namespace **ObjectLibrary**

7.231 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/LoginWindow.g.i.cs File Reference

Classes

- class **ObjectLibrary.LoginWindow**
LoginWindow (p. 115)

Namespaces

- namespace **ObjectLibrary**

7.232 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/NewProject - Copy.g.i.cs File Reference

Classes

- class **ObjectLibrary.NewProject**
NewProject (p. 125)

Namespaces

- namespace **ObjectLibrary**

7.233 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/NewProject.g.cs File Reference

Classes

- class **ObjectLibrary.NewProject**
NewProject (p. 125)

Namespaces

- namespace **ObjectLibrary**

7.234 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/UserWindow - Copy.g.i.cs File Reference

Classes

- class **ObjectLibrary.UserWindow**
UserWindow (p. 206)

Namespaces

- namespace **ObjectLibrary**

7.235 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/UserWindow.g.cs File Reference

Classes

- class **ObjectLibrary.UserWindow**
UserWindow (p. 206)

Namespaces

- namespace **ObjectLibrary**

7.236 DP_BeckhoffTwincat3/ObjectLibrary/obj/Debug/Windows/UserWindow.g.i.cs File Reference

Classes

- class **ObjectLibrary.UserWindow**
UserWindow (p. 206)

Namespaces

- namespace **ObjectLibrary**

7.237 DP_BeckhoffTwincat3/ObjectLibrary/Windows/AlarmsWindow.xaml.cs File Reference

Classes

- class **ObjectLibrary.AlarmsWindow**
AlarmsWindow (p. 41)

Namespaces

- namespace **ObjectLibrary**

7.238 DP_BeckhoffTwincat3/ObjectLibrary/Windows/LoadingWindow.xaml.cs File Reference

Classes

- class **ObjectLibrary.LoadingWindow**
LoadingWindow (p. 109)

Namespaces

- namespace **ObjectLibrary**

7.239 DP_BeckhoffTwincat3/ObjectLibrary/Windows/LoginWindow.xaml.cs File Reference

Classes

- class **ObjectLibrary.LoginWindow**
LoginWindow (p. 115)

Namespaces

- namespace **ObjectLibrary**

7.240 DP_BeckhoffTwincat3/ObjectLibrary/Windows/NewProject.xaml.cs File Reference

Classes

- class **ObjectLibrary.NewProject**
NewProject (p. 125)

Namespaces

- namespace **ObjectLibrary**

7.241 DP_BeckhoffTwincat3/ObjectLibrary/Windows/UserWindow.xaml.cs File Reference

Classes

- class **ObjectLibrary.UserWindow**
UserWindow (p. 206)

Namespaces

- namespace **ObjectLibrary**

7.242 DP_BeckhoffTwincat3/SqliteService/ISqliteService.cs File Reference

Classes

- interface **DbService.ISqliteService**

Namespaces

- namespace **DbService**

7.243 DP_BeckhoffTwincat3/SqliteService/SqliteService.cs File Reference

Classes

- class **DbService.SqliteService**

Namespaces

- namespace **DbService**

7.244 DP_BeckhoffTwincat3/TwincatService/ITCService.cs File Reference

Classes

- interface **TwincatService.ITCService**

Namespaces

- namespace **TwincatService**

7.245 DP_BeckhoffTwincat3/TwincatService/TCSERVICE.cs File Reference

Classes

- class **TwincatService.TCSERVICE**

Namespaces

- namespace **TwincatService**

7.246 DP_BeckhoffTwincat3/TwincatService/TwincatDevice.cs File Reference

Classes

- class **TwincatService.TwincatDevice**

Namespaces

- namespace **TwincatService**

7.247 DP_BeckhoffTwincat3/TwincatService/TwincatVariables.cs File Reference

Classes

- struct **TwincatService.TwincatVariables**

Namespaces

- namespace **TwincatService**

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