Namespace BlueByte.SOLIDWORKS.PDMProfessional.SDK

Classes

[AddInBase](#)

Taskbase class.

[CancellationException](#)

[TaskFailedException](#)

Structs

[Identity](#)

Add-in identity.

Class AddInBase

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Taskbase class.

```
public abstract class AddInBase : IEdmAddIn5
```

Inheritance

[object](#) ← AddInBase

Implements

IEdmAddIn5

Inherited Members

[object.ToString()](#) , [object.Equals(object)](#) , [object.Equals(object, object)](#) ,
[object.ReferenceEquals(object, object)](#) , [object.GetHashCode()](#) , [object.GetType()](#) ,
[object.MemberwiseClone()](#)

Constructors

AddInBase()

Create a new instance of the addIn base class.

```
public AddInBase()
```

Fields

Identity

Stores identity of the task add-in.

```
public Identity Identity
```

Field Value

[Identity](#)

Properties

BeforeCancellationAction

Gets or sets the before cancellation action. Use this to perform any clean up action.

```
public Action BeforeCancellationAction { get; set; }
```

Property Value

[Action]⧉

  The before cancellation action.

BeforeYouCrash

Action to execute before task crashes.

```
public Action<Exception> BeforeYouCrash { get; set; }
```

Property Value

[Action]⧉ < [Exception]⧉ >

CancellationAndSuspensionLogAction

Gets or sets the cancellation and suspension log action.

```
public Action<string> CancellationAndSuspensionLogAction { get; set; }
```

Property Value

[Action]⧉ < [string]⧉ >

The cancellation and suspension log action. Use this action log event before the task gets suspended.

CatchAllUnhandledException

Catch all unhandled exceptions and log them.

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

Property Value

[bool↗](#)

Container

DI Container.

```
public Container Container { get; }
```

Property Value

Container

CurrentPosition

Gets or sets the current position.

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

Property Value

[int↗](#)

The current position.

Instance

Task instance.

```
public IEdmTaskInstance Instance { get; set; }
```

Property Value

IEdmTaskInstance

IsInitialized

Gets whether or not task is initialized (ie container and logger created).

```
public bool IsInitialized { get; }
```

Property Value

[bool](#)↗

Logger

Gets or sets the logger.

```
public ILogger Logger { get; set; }
```

Property Value

[ILogger](#)

LoggerType

Sets the type of the logger to be used.

```
public LoggerType_e LoggerType { get; set; }
```

Property Value

[LoggerType_e](#)

Pages

```
public ITaskSetupPage[] Pages { get; set; }
```

Property Value

[ITaskSetupPage](#)[]

Properties

Properties

```
public IEdmTaskProperties Properties { get; set; }
```

Property Value

IEdmTaskProperties

Range

Gets or sets the range.

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

Property Value

[int](#)

The range.

Vault

Gets the vault object.

```
public IEdmVault5 Vault { get; }
```

Property Value

IEdmVault5

Methods

AddContextMenu(string, string)

Adds a context menu item to PDM.

```
protected void AddContextMenu(string menuText, string statusBarHelpText)
```

Parameters

menuText string⬀

Text that will appear in the context menu.

statusBarHelpText string⬀

Text that will appear in the statusbar.

AddTaskSetupPage(ITaskSetupPage)

Add setup page to task. Use CreatePageInstance<T>() to create instance of a page that implements ITask SetupPage.

```
protected void AddTaskSetupPage(ITaskSetupPage taskSetupPage)
```

Parameters

taskSetupPage ITaskSetupPage

AddTaskSetupPages(ITaskSetupPage[])

Add setup pages to task.

```
protected void AddTaskSetupPages(ITaskSetupPage[] taskSetupPages)
```

Parameters

`taskSetupPages` [ITaskSetupPage][]

    Array of [ITaskSetupPage](#)

AttachDebugger()

Attaches the debugger.

```
public void AttachDebugger()
```

CheckForCancellationOrSuspension(Action, Action<string>)

Checks for cancellation or suspension.

```
public virtual void CheckForCancellationOrSuspension(Action beforeCancellationAction,
Action<string> cancellationAndSuspensionLogAction)
```

Parameters

`beforeCancellationAction` [Action](#)⧉

    The before cancellation action.

`cancellationAndSuspensionLogAction` [Action](#)⧉ <[string](#)⧉ >

    The cancellation and suspension log action.

Exceptions

[CancellationException](#)

CreatePageInstance\<T\>()

```
public ITaskSetupPage CreatePageInstance<T>() where T : UserControl, ITaskSetupPage
```

Returns

[ITaskSetupPage](#)

Type Parameters

T

CurrentDomain_AssemblyResolve(object, ResolveEventArgs)

```
public virtual Assembly CurrentDomain_AssemblyResolve(object sender, ResolveEventArgs args)
```

Parameters

sender [object](#)

args [ResolveEventArgs](#)

Returns

[Assembly](#)

ForEachDatum(ref EdmCmdData[], Action\<EdmCmdData\>)

Performs an action on affected data while allowing user to cancel or pause task.

```
public void ForEachDatum(ref EdmCmdData[] affectedData, Action<EdmCmdData> Action)
```

Parameters

affectedData EdmCmdData[]

Action [Action](#)\<EdmCmdData\>

ForEachFile(ref EdmCmdData[], Action<IEdmFile5, IEdmFolder5>)

Performs an action on affected file while allowing user to cancel or pause task.

```
public void ForEachFile(ref EdmCmdData[] affectedData, Action<IEdmFile5,
IEdmFolder5> Action)
```

Parameters

`affectedData` EdmCmdData[]

`Action` [Action](#)<IEdmFile5, IEdmFolder5>

Remarks

This ignore EdmCmdData that are not files.

ForEachFile(ref EdmCmdData[], Action<IEdmFile5>)

Performs an action on affected file while allowing user to cancel or pause task.

```
public void ForEachFile(ref EdmCmdData[] affectedData, Action<IEdmFile5> Action)
```

Parameters

`affectedData` EdmCmdData[]

`Action` [Action](#)<IEdmFile5>

Remarks

This ignore EdmCmdData that are not files.

GetAddInInfo(ref EdmAddInInfo, IEdmVault5, IEdmCmdMgr5)

Fires when an add-in is setup.

```
public virtual void GetAddInInfo(ref EdmAddInInfo poInfo, IEdmVault5 poVault,
IEdmCmdMgr5 poCmdMgr)
```

Parameters

poInfo EdmAddInInfo

    Info object.

poVault IEdmVault5

    Vault object.

poCmdMgr IEdmCmdMgr5

    Command manager object.

GetContainer()

Returns the container object.

```
public Container GetContainer()
```

Returns

Container

GetSettings<T>()

Deserialize the view model of the [TaskSetupPage<T>](). Use this method in the EPDM.Interop.epdm.Edm
CmdType.EdmCmd_TaskRun and EPDM.Interop.epdm.EdmCmdType.EdmCmd_TaskLaunch to get the
settings.

```
public T GetSettings<T>()
```

Returns

T

T

Type Parameters

T

Initialize()

Initializes task (Registers types and creates logger).

```
public virtual void Initialize()
```


OnCmd(ref EdmCmd, ref EdmCmdData[])

Fires a response to a command that the add-in is hooked too is being trigger.

```
public virtual void OnCmd(ref EdmCmd poCmd, ref EdmCmdData[] ppoData)
```


Parameters

poCmd EdmCmd

   PDM command

ppoData EdmCmdData[]

   Affected data

OnLoadAdditionalAssemblies(DirectoryInfo)

Load assemblies that failed loading.

```
protected virtual void OnLoadAdditionalAssemblies(DirectoryInfo addinDirectory)
```


Parameters

addinDirectory DirectoryInfo⧉

Directory of the add-in.

OnLoggerOutputSat(string)

Sets the output folder of the logger.

```
protected virtual void OnLoggerOutputSat(string defaultDirectory)
```

Parameters

defaultDirectory string⧉

OnLoggerTypeChosen(LoggerType_e)

Sets the type of the logger.

```
protected virtual void OnLoggerTypeChosen(LoggerType_e defaultType)
```

Parameters

defaultType LoggerType_e

OnRegisterAdditionalTypes(Container)

Registers additional types.

```
protected virtual void OnRegisterAdditionalTypes(Container container)
```

Parameters

container Container

OnTaskDetails(ref EdmCmd, ref EdmCmdData[])

Fires when task details are initialized

```
public virtual void OnTaskDetails(ref EdmCmd poCmd, ref EdmCmdData[] ppoData)
```

Parameters

poCmd EdmCmd

    Command

ppoData EdmCmdData[]

    Affected documents

OnTaskDialogWindowCreated(IEdmTaskProperties)

Fires when the task dialog window is created. This occurs when you create a new task or edit an existing one.

```
public virtual void OnTaskDialogWindowCreated(IEdmTaskProperties properties)
```

Parameters

properties IEdmTaskProperties

OnTaskLaunch(ref EdmCmd, ref EdmCmdData[])

Fires when a task is launched.

```
public virtual void OnTaskLaunch(ref EdmCmd poCmd, ref EdmCmdData[] ppoData)
```

Parameters

poCmd EdmCmd

    Command

ppoData EdmCmdData[]

    Affected documents

OnTaskLaunchButton(ref EdmCmd, ref EdmCmdData[])

Fires when user clicks on the launch button.

```
public virtual void OnTaskLaunchButton(ref EdmCmd poCmd, ref EdmCmdData[] ppoData)
```

Parameters

poCmd EdmCmd

Command

ppoData EdmCmdData[]

Affected documents

OnTaskRun(ref EdmCmd, ref EdmCmdData[])

Fires when task runs on the executing machine.

```
public virtual void OnTaskRun(ref EdmCmd poCmd, ref EdmCmdData[] ppoData)
```

Parameters

poCmd EdmCmd

Command

ppoData EdmCmdData[]

Affected documents

OnTaskSetup(ref EdmCmd, ref EdmCmdData[])

Fires when task is setup.

```
public void OnTaskSetup(ref EdmCmd poCmd, ref EdmCmdData[] ppoData)
```

Parameters

poCmd EdmCmd

ppoData EdmCmdData[]

OnTaskSetupButton(ref EdmCmd, ref EdmCmdData[])

Fires when user clicks OK button in the task setup.

```
public virtual void OnTaskSetupButton(ref EdmCmd poCmd, ref EdmCmdData[] ppoData)
```

Parameters

poCmd EdmCmd

Command

ppoData EdmCmdData[]

Affected documents

OnUnhandledExceptions(bool, Action<Exception>)

Sets how to handle unhandled exceptions

```
protected virtual void OnUnhandledExceptions(bool catchAllExceptions, Action<Exception>
logAction = null)
```

Parameters

catchAllExceptions bool↗

logAction Action↗<Exception↗>

RegisterTypes()

Fires when the application is initialized. Register types of calling assembly.

```
protected virtual void RegisterTypes()
```

SetRange(int, int, string)

Sets the progress range. Should be done only once at the start of the task execution

```
public virtual void SetRange(int range, int currentPosition, string message = null)
```

Parameters

range int

    Initialized range

currentPosition int

    Initial position

message string

    message

Remarks

This method also checks for cancellation and suspension requests made by the user.

Exceptions

Exception

UpdateTaskMessage(int, string)

Sets the progress bar position.

```
public virtual void UpdateTaskMessage(int currentPosition, string message = null)
```

Parameters

currentPosition int

message string

Class CancellationException

Namespace: BlueByte.SOLIDWORKS.PDMProfessional.SDK

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

```
[Serializable]
public class CancellationException : Exception, ISerializable, _Exception
```

Inheritance

object ← Exception ← CancellationException

Implements

ISerializable, _Exception

Inherited Members

Exception.GetBaseException() , Exception.ToString() ,
Exception.GetObjectData(SerializationInfo, StreamingContext) , Exception.GetType() ,
Exception.Message , Exception.Data , Exception.InnerException , Exception.TargetSite ,
Exception.StackTrace , Exception.HelpLink , Exception.Source , Exception.HResult ,
Exception.SerializeObjectState , object.Equals(object) , object.Equals(object, object) ,
object.ReferenceEquals(object, object) , object.GetHashCode() , object.MemberwiseClone()

Constructors

CancellationException()

```
public CancellationException()
```

CancellationException(SerializationInfo, StreamingContext)

```
protected CancellationException(SerializationInfo info, StreamingContext context)
```

Parameters

info SerializationInfo

context StreamingContext⧉

CancellationException(string)

```
public CancellationException(string message)
```

Parameters

message string⧉

CancellationException(string, Exception)

```
public CancellationException(string message, Exception innerException)
```

Parameters

message string⧉

innerException Exception⧉

Struct Identity

Namespace:

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Add-in identity.

```
public struct Identity
```

Inherited Members
ValueType.Equals(object)⬀ , ValueType.GetHashCode()⬀ , ValueType.ToString()⬀ ,
object.Equals(object, object)⬀ , object.ReferenceEquals(object, object)⬀ , object.GetType()⬀

Fields

CompanyName

Company name

```
public string CompanyName
```

Field Value

string⬀

Description

Description

```
public string Description
```

Field Value

string⬀

Name

Name

```
public string Name
```

Field Value

[string](⧉)

RequiredMajorVersion

Required major version.

```
public int RequiredMajorVersion
```

Field Value

[int](⧉)

RequiredMinorVersion

Required minor.

```
public int RequiredMinorVersion
```

Field Value

[int](⧉)

Version

Add-in version

```
public int Version
```

Field Value

[int](#)⤤

Methods

ToCaption()

Converts to caption.

```
public string ToCaption()
```

Returns

[string](#)⤤

ToCaption(string)

Converts to caption.

```
public string ToCaption(string specificWindowTitle = "")
```

Parameters

`specificWindowTitle` [string](#)⤤

   The specific window title.

Returns

[string](#)⤤

Class TaskFailedException

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

```
[Serializable]
public class TaskFailedException : Exception, ISerializable, _Exception
```

Inheritance

[object](#)⊞ ← [Exception](#)⊞ ← TaskFailedException

Implements

[ISerializable](#)⊞, [_Exception](#)⊞

Inherited Members

[Exception.GetBaseException()](#)⊞ , [Exception.ToString()](#)⊞ ,
[Exception.GetObjectData(SerializationInfo, StreamingContext)](#)⊞ , [Exception.GetType()](#)⊞ ,
[Exception.Message](#)⊞ , [Exception.Data](#)⊞ , [Exception.InnerException](#)⊞ , [Exception.TargetSite](#)⊞ ,
[Exception.StackTrace](#)⊞ , [Exception.HelpLink](#)⊞ , [Exception.Source](#)⊞ , [Exception.HResult](#)⊞ ,
[Exception.SerializeObjectState](#)⊞ , [object.Equals(object)](#)⊞ , [object.Equals(object, object)](#)⊞ ,
[object.ReferenceEquals(object, object)](#)⊞ , [object.GetHashCode()](#)⊞ , [object.MemberwiseClone()](#)⊞

Constructors

TaskFailedException()

```
public TaskFailedException()
```

TaskFailedException(SerializationInfo, StreamingContext)

```
protected TaskFailedException(SerializationInfo info, StreamingContext context)
```

Parameters

`info` [SerializationInfo](#)⊞

context StreamingContext⧉

TaskFailedException(string)

```
public TaskFailedException(string message)
```

Parameters

message string⧉

TaskFailedException(string, Exception)

```
public TaskFailedException(string message, Exception innerException)
```

Parameters

message string⧉

innerException Exception⧉

Namespace BlueByte.SOLIDWORKS. PDMProfessional.SDK.Attributes

Classes

[AddInVersionAttribute](#)

[CommandVisibilityAttribute](#)

    Command visiblity attribute.

[CompanyNameAttribute](#)

[DescriptionAttribute](#)

[IsTaskAttribute](#)

    Use this to make an add-in a task

[ListenForAttribute](#)

[MenuAttribute](#)

    Add command menu attribute.

[NameAttribute](#)

[RequiredVersionAttribute](#)

    Minium supported PDM Version.

[TaskFlagsAttribute](#)

    Task flags enum.

Class AddInVersionAttribute

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#).[Attributes](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

```
public class AddInVersionAttribute : Attribute, _Attribute
```

Inheritance

[object](#) ← [Attribute](#) ← AddInVersionAttribute

Implements

[_Attribute](#)

Inherited Members

[Attribute.GetCustomAttributes(MemberInfo, Type)](#) ,
[Attribute.GetCustomAttributes(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(MemberInfo)](#) , [Attribute.GetCustomAttributes(MemberInfo, bool)](#) ,
[Attribute.IsDefined(MemberInfo, Type)](#) , [Attribute.IsDefined(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttribute(MemberInfo, Type)](#) ,
[Attribute.GetCustomAttribute(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo)](#) , [Attribute.GetCustomAttributes(ParameterInfo, Type)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo, bool)](#) , [Attribute.IsDefined(ParameterInfo, Type)](#) ,
[Attribute.IsDefined(ParameterInfo, Type, bool)](#) , [Attribute.GetCustomAttribute(ParameterInfo, Type)](#) ,
[Attribute.GetCustomAttribute(ParameterInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(Module, Type)](#) , [Attribute.GetCustomAttributes(Module)](#) ,
[Attribute.GetCustomAttributes(Module, bool)](#) , [Attribute.GetCustomAttributes(Module, Type, bool)](#) ,
[Attribute.IsDefined(Module, Type)](#) , [Attribute.IsDefined(Module, Type, bool)](#) ,
[Attribute.GetCustomAttribute(Module, Type)](#) , [Attribute.GetCustomAttribute(Module, Type, bool)](#) ,
[Attribute.GetCustomAttributes(Assembly, Type)](#) ,
[Attribute.GetCustomAttributes(Assembly, Type, bool)](#) , [Attribute.GetCustomAttributes(Assembly)](#) ,
[Attribute.GetCustomAttributes(Assembly, bool)](#) , [Attribute.IsDefined(Assembly, Type)](#) ,
[Attribute.IsDefined(Assembly, Type, bool)](#) , [Attribute.GetCustomAttribute(Assembly, Type)](#) ,
[Attribute.GetCustomAttribute(Assembly, Type, bool)](#) , [Attribute.Equals(object)](#) ,
[Attribute.GetHashCode()](#) , [Attribute.Match(object)](#) , [Attribute.IsDefaultAttribute()](#) ,
[Attribute.TypeId](#) , [object.ToString()](#) , [object.Equals(object, object)](#) ,
[object.ReferenceEquals(object, object)](#) , [object.GetType()](#) , [object.MemberwiseClone()](#)

Constructors

AddInVersionAttribute(bool, int)

```
public AddInVersionAttribute(bool useAssemblyFileRevision, int version = 0)
```

Parameters

`useAssemblyFileRevision` [bool⧉](#)

`version` [int⧉](#)

Properties

UseAssemblyFileRevision

Use this option for frequent builds.

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

Property Value

[bool⧉](#)

Version

Specific version.

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

Property Value

[int⧉](#)

Class CommandVisibilityAttribute

Namespace: BlueByte.SOLIDWORKS.PDMProfessional.SDK.Attributes

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Command visiblity attribute.

```
[AttributeUsage(AttributeTargets.Class, AllowMultiple = true)]
public class CommandVisibilityAttribute : Attribute, _Attribute
```

Inheritance

object ← Attribute ← CommandVisibilityAttribute

Implements

_Attribute

Inherited Members

Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) ,
Attribute.GetCustomAttributes(MemberInfo) , Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.IsDefined(MemberInfo, Type) , Attribute.IsDefined(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttributes(ParameterInfo) , Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) ,
Attribute.GetCustomAttributes(Module, Type) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type, bool) ,
Attribute.IsDefined(Module, Type) , Attribute.IsDefined(Module, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.GetCustomAttribute(Assembly, Type) ,
Attribute.GetCustomAttribute(Assembly, Type, bool) , Attribute.Equals(object) ,
Attribute.GetHashCode() , Attribute.Match(object) , Attribute.IsDefaultAttribute() ,
Attribute.TypeId , object.ToString() , object.Equals(object, object) ,
object.ReferenceEquals(object, object) , object.GetType() , object.MemberwiseClone()

Remarks

[AddInBase](#) will ignore multiple attributes with the same menu id and will only pick one.

Constructors

CommandVisibilityAttribute()

Creates new instance of this class.

```
public CommandVisibilityAttribute()
```

CommandVisibilityAttribute(int)

Creates a new instance of this class.

```
public CommandVisibilityAttribute(int commandId)
```

Parameters

commandId [int](#)

   Command ID.

CommandVisibilityAttribute(int, EdmSysPerm)

Creates a new instance of this class.

```
public CommandVisibilityAttribute(int commandId, EdmSysPerm
onlyShowToUsersWithThesePermissions)
```

Parameters

commandId [int](#)

   Command id.

`onlyShowToUsersWithThesePermissions` EdmSysPerm

Only show this command to users who have these permissions.

CommandVisibilityAttribute(int, string[])

Create a new instance of this class.

```
public CommandVisibilityAttribute(int commandId, string[] hideFromTheseUserOrGroupNames)
```

Parameters

`commandId` int↗

`hideFromTheseUserOrGroupNames` string↗[]

Properties

CommandID

ID of the affected command.

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

Property Value

int↗

HideFromTheseUserOrGroupNames

Hide from these user or group names.

```
public string[] HideFromTheseUserOrGroupNames { get; set; }
```

Property Value

string↗[]

OnlyShowToUsersWithThesePermissions

Sets or gets the permissions of the users to whom to show the command.

```
public EdmSysPerm OnlyShowToUsersWithThesePermissions { get; set; }
```

Property Value

EdmSysPerm

Class CompanyNameAttribute

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#).[Attributes](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

```
public class CompanyNameAttribute : Attribute, _Attribute
```

Inheritance

[object](#) ← [Attribute](#) ← CompanyNameAttribute

Implements

[_Attribute](#)

Inherited Members

[Attribute.GetCustomAttributes(MemberInfo, Type)](#) ,
[Attribute.GetCustomAttributes(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(MemberInfo)](#) , [Attribute.GetCustomAttributes(MemberInfo, bool)](#) ,
[Attribute.IsDefined(MemberInfo, Type)](#) , [Attribute.IsDefined(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttribute(MemberInfo, Type)](#) ,
[Attribute.GetCustomAttribute(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo)](#) , [Attribute.GetCustomAttributes(ParameterInfo, Type)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo, bool)](#) , [Attribute.IsDefined(ParameterInfo, Type)](#) ,
[Attribute.IsDefined(ParameterInfo, Type, bool)](#) , [Attribute.GetCustomAttribute(ParameterInfo, Type)](#) ,
[Attribute.GetCustomAttribute(ParameterInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(Module, Type)](#) , [Attribute.GetCustomAttributes(Module)](#) ,
[Attribute.GetCustomAttributes(Module, bool)](#) , [Attribute.GetCustomAttributes(Module, Type, bool)](#) ,
[Attribute.IsDefined(Module, Type)](#) , [Attribute.IsDefined(Module, Type, bool)](#) ,
[Attribute.GetCustomAttribute(Module, Type)](#) , [Attribute.GetCustomAttribute(Module, Type, bool)](#) ,
[Attribute.GetCustomAttributes(Assembly, Type)](#) ,
[Attribute.GetCustomAttributes(Assembly, Type, bool)](#) , [Attribute.GetCustomAttributes(Assembly)](#) ,
[Attribute.GetCustomAttributes(Assembly, bool)](#) , [Attribute.IsDefined(Assembly, Type)](#) ,
[Attribute.IsDefined(Assembly, Type, bool)](#) , [Attribute.GetCustomAttribute(Assembly, Type)](#) ,
[Attribute.GetCustomAttribute(Assembly, Type, bool)](#) , [Attribute.Equals(object)](#) ,
[Attribute.GetHashCode()](#) , [Attribute.Match(object)](#) , [Attribute.IsDefaultAttribute()](#) ,
[Attribute.TypeId](#) , [object.ToString()](#) , [object.Equals(object, object)](#) ,
[object.ReferenceEquals(object, object)](#) , [object.GetType()](#) , [object.MemberwiseClone()](#)

Constructors

CompanyNameAttribute(string)

```csharp
public CompanyNameAttribute(string value)
```

Parameters

value string☐

Properties

CompanyName

```csharp
public string CompanyName { get; set; }
```

Property Value

string☐

Class DescriptionAttribute

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#).[Attributes](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

```
public class DescriptionAttribute : Attribute, _Attribute
```

Inheritance

[object](#) ← [Attribute](#) ← DescriptionAttribute

Implements

 [_Attribute](#)

Inherited Members

[Attribute.GetCustomAttributes(MemberInfo, Type)](#) ,
[Attribute.GetCustomAttributes(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(MemberInfo)](#) , [Attribute.GetCustomAttributes(MemberInfo, bool)](#) ,
[Attribute.IsDefined(MemberInfo, Type)](#) , [Attribute.IsDefined(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttribute(MemberInfo, Type)](#) ,
[Attribute.GetCustomAttribute(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo)](#) , [Attribute.GetCustomAttributes(ParameterInfo, Type)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo, bool)](#) , [Attribute.IsDefined(ParameterInfo, Type)](#) ,
[Attribute.IsDefined(ParameterInfo, Type, bool)](#) , [Attribute.GetCustomAttribute(ParameterInfo, Type)](#) ,
[Attribute.GetCustomAttribute(ParameterInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(Module, Type)](#) , [Attribute.GetCustomAttributes(Module)](#) ,
[Attribute.GetCustomAttributes(Module, bool)](#) , [Attribute.GetCustomAttributes(Module, Type, bool)](#) ,
[Attribute.IsDefined(Module, Type)](#) , [Attribute.IsDefined(Module, Type, bool)](#) ,
[Attribute.GetCustomAttribute(Module, Type)](#) , [Attribute.GetCustomAttribute(Module, Type, bool)](#) ,
[Attribute.GetCustomAttributes(Assembly, Type)](#) ,
[Attribute.GetCustomAttributes(Assembly, Type, bool)](#) , [Attribute.GetCustomAttributes(Assembly)](#) ,
[Attribute.GetCustomAttributes(Assembly, bool)](#) , [Attribute.IsDefined(Assembly, Type)](#) ,
[Attribute.IsDefined(Assembly, Type, bool)](#) , [Attribute.GetCustomAttribute(Assembly, Type)](#) ,
[Attribute.GetCustomAttribute(Assembly, Type, bool)](#) , [Attribute.Equals(object)](#) ,
[Attribute.GetHashCode()](#) , [Attribute.Match(object)](#) , [Attribute.IsDefaultAttribute()](#) ,
[Attribute.TypeId](#) , [object.ToString()](#) , [object.Equals(object, object)](#) ,
[object.ReferenceEquals(object, object)](#) , [object.GetType()](#) , [object.MemberwiseClone()](#)

Constructors

DescriptionAttribute(string)

```
public DescriptionAttribute(string value)
```

Parameters

value string⧉

Properties

Description

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

Property Value

string⧉

Class IsTaskAttribute

Namespace: BlueByte.SOLIDWORKS.PDMProfessional.SDK.Attributes

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Use this to make an add-in a task

```
public class IsTaskAttribute : Attribute, _Attribute
```

Inheritance

object ← Attribute ← IsTaskAttribute

Implements

_Attribute

Inherited Members

Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) ,
Attribute.GetCustomAttributes(MemberInfo) , Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.IsDefined(MemberInfo, Type) , Attribute.IsDefined(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttributes(ParameterInfo) , Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) ,
Attribute.GetCustomAttributes(Module, Type) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type, bool) ,
Attribute.IsDefined(Module, Type) , Attribute.IsDefined(Module, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.GetCustomAttribute(Assembly, Type) ,
Attribute.GetCustomAttribute(Assembly, Type, bool) , Attribute.Equals(object) ,
Attribute.GetHashCode() , Attribute.Match(object) , Attribute.IsDefaultAttribute() ,
Attribute.TypeId , object.ToString() , object.Equals(object, object) ,
object.ReferenceEquals(object, object) , object.GetType() , object.MemberwiseClone()

Constructors

IsTaskAttribute(bool)

```csharp
public IsTaskAttribute(bool isTask)
```

Parameters

`isTask` [bool](#)

Properties

IsTask

Gets or sets whether the add-in is a custom task.

```csharp
public bool IsTask { get; set; }
```

Property Value

[bool](#)

Class ListenForAttribute

Namespace: BlueByte.SOLIDWORKS.PDMProfessional.SDK.Attributes

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

```
[AttributeUsage(AttributeTargets.Class, AllowMultiple = true)]
public class ListenForAttribute : Attribute, _Attribute
```

Inheritance

object ← Attribute ← ListenForAttribute

Implements

_Attribute

Inherited Members

Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) ,
Attribute.GetCustomAttributes(MemberInfo) , Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.IsDefined(MemberInfo, Type) , Attribute.IsDefined(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttributes(ParameterInfo) , Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) ,
Attribute.GetCustomAttributes(Module, Type) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type, bool) ,
Attribute.IsDefined(Module, Type) , Attribute.IsDefined(Module, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.GetCustomAttribute(Assembly, Type) ,
Attribute.GetCustomAttribute(Assembly, Type, bool) , Attribute.Equals(object) ,
Attribute.GetHashCode() , Attribute.Match(object) , Attribute.IsDefaultAttribute() ,
Attribute.TypeId , object.ToString() , object.Equals(object, object) ,
object.ReferenceEquals(object, object) , object.GetType() , object.MemberwiseClone()

Constructors

ListenForAttribute(EdmCmdType)

Creates a new instance of the ListenFor attribute

```
public ListenForAttribute(EdmCmdType _event)
```

Parameters

_event EdmCmdType

Properties

Event

PDM event to listen to

```
public EdmCmdType Event { get; }
```

Property Value

EdmCmdType

Class MenuAttribute

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#).[Attributes](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Add command menu attribute.

```
[AttributeUsage(AttributeTargets.Class, AllowMultiple = true)]
public class MenuAttribute : Attribute, _Attribute
```

Inheritance

[object](#) ← [Attribute](#) ← MenuAttribute

Implements

[_Attribute](#)

Inherited Members

[Attribute.GetCustomAttributes(MemberInfo, Type)](#) ,
[Attribute.GetCustomAttributes(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(MemberInfo)](#) , [Attribute.GetCustomAttributes(MemberInfo, bool)](#) ,
[Attribute.IsDefined(MemberInfo, Type)](#) , [Attribute.IsDefined(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttribute(MemberInfo, Type)](#) ,
[Attribute.GetCustomAttribute(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo)](#) , [Attribute.GetCustomAttributes(ParameterInfo, Type)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo, bool)](#) , [Attribute.IsDefined(ParameterInfo, Type)](#) ,
[Attribute.IsDefined(ParameterInfo, Type, bool)](#) , [Attribute.GetCustomAttribute(ParameterInfo, Type)](#) ,
[Attribute.GetCustomAttribute(ParameterInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(Module, Type)](#) , [Attribute.GetCustomAttributes(Module)](#) ,
[Attribute.GetCustomAttributes(Module, bool)](#) , [Attribute.GetCustomAttributes(Module, Type, bool)](#) ,
[Attribute.IsDefined(Module, Type)](#) , [Attribute.IsDefined(Module, Type, bool)](#) ,
[Attribute.GetCustomAttribute(Module, Type)](#) , [Attribute.GetCustomAttribute(Module, Type, bool)](#) ,
[Attribute.GetCustomAttributes(Assembly, Type)](#) ,
[Attribute.GetCustomAttributes(Assembly, Type, bool)](#) , [Attribute.GetCustomAttributes(Assembly)](#) ,
[Attribute.GetCustomAttributes(Assembly, bool)](#) , [Attribute.IsDefined(Assembly, Type)](#) ,
[Attribute.IsDefined(Assembly, Type, bool)](#) , [Attribute.GetCustomAttribute(Assembly, Type)](#) ,
[Attribute.GetCustomAttribute(Assembly, Type, bool)](#) , [Attribute.Equals(object)](#) ,
[Attribute.GetHashCode()](#) , [Attribute.Match(object)](#) , [Attribute.IsDefaultAttribute()](#) ,
[Attribute.TypeId](#) , [object.ToString()](#) , [object.Equals(object, object)](#) ,
[object.ReferenceEquals(object, object)](#) , [object.GetType()](#) , [object.MemberwiseClone()](#)

Constructors

MenuAttribute(int, string, int, string, string, int, int)

Creates a command menu.

```
public MenuAttribute(int iD, string menuCaption, int flags = 0, string statusBarHelp = "",
string toolTip = "", int toolButtonIndex = -1, int toolbarImageID = 0)
```

Parameters

iD int↗

    ID of the command.

menuCaption string↗

    Text that will appear in the menu.

flags int↗

    Where the menu will appear.

statusBarHelp string↗

    Help message that will appear in the status bar.

toolTip string↗

    Help message that appear in the Windows tooltip.

toolButtonIndex int↗

    Index of the command button.

toolbarImageID int↗

    ID of the toolbar image.

Properties

Flags

Where the menu will appear. This is a combination of EPDM.Interop.epdm.EdmMenuFlags

```csharp
public int Flags { get; }
```

Property Value

int⧉

ID

ID of the command.

```csharp
public int ID { get; }
```

Property Value

int⧉

MenuCaption

Text that will appear in the menu.

```csharp
public string MenuCaption { get; }
```

Property Value

string⧉

StatusBarHelp

Help message that will appear in the status bar.

```csharp
public string StatusBarHelp { get; }
```

Property Value

[string](#)

ToolButtonIndex

Index of the command button.

```
public int ToolButtonIndex { get; }
```

Property Value

[int](#)

ToolbarImageID

ID of the toolbar image.

```
public int ToolbarImageID { get; }
```

Property Value

[int](#)

Tooltip

Help message that appear in the Windows tooltip

```
public string Tooltip { get; }
```

Property Value

[string](#)

Class NameAttribute

Namespace: [BlueByte](.).[SOLIDWORKS](.).[PDMProfessional](.).[SDK](.).[Attributes](.)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

```
public class NameAttribute : Attribute, _Attribute
```

Inheritance

[object](.) ← [Attribute](.) ← NameAttribute

Implements

[_Attribute](.)

Inherited Members

[Attribute.GetCustomAttributes(MemberInfo, Type)](.) ,
[Attribute.GetCustomAttributes(MemberInfo, Type, bool)](.) ,
[Attribute.GetCustomAttributes(MemberInfo)](.) , [Attribute.GetCustomAttributes(MemberInfo, bool)](.) ,
[Attribute.IsDefined(MemberInfo, Type)](.) , [Attribute.IsDefined(MemberInfo, Type, bool)](.) ,
[Attribute.GetCustomAttribute(MemberInfo, Type)](.) ,
[Attribute.GetCustomAttribute(MemberInfo, Type, bool)](.) ,
[Attribute.GetCustomAttributes(ParameterInfo)](.) , [Attribute.GetCustomAttributes(ParameterInfo, Type)](.) ,
[Attribute.GetCustomAttributes(ParameterInfo, Type, bool)](.) ,
[Attribute.GetCustomAttributes(ParameterInfo, bool)](.) , [Attribute.IsDefined(ParameterInfo, Type)](.) ,
[Attribute.IsDefined(ParameterInfo, Type, bool)](.) , [Attribute.GetCustomAttribute(ParameterInfo, Type)](.) ,
[Attribute.GetCustomAttribute(ParameterInfo, Type, bool)](.) ,
[Attribute.GetCustomAttributes(Module, Type)](.) , [Attribute.GetCustomAttributes(Module)](.) ,
[Attribute.GetCustomAttributes(Module, bool)](.) , [Attribute.GetCustomAttributes(Module, Type, bool)](.) ,
[Attribute.IsDefined(Module, Type)](.) , [Attribute.IsDefined(Module, Type, bool)](.) ,
[Attribute.GetCustomAttribute(Module, Type)](.) , [Attribute.GetCustomAttribute(Module, Type, bool)](.) ,
[Attribute.GetCustomAttributes(Assembly, Type)](.) ,
[Attribute.GetCustomAttributes(Assembly, Type, bool)](.) , [Attribute.GetCustomAttributes(Assembly)](.) ,
[Attribute.GetCustomAttributes(Assembly, bool)](.) , [Attribute.IsDefined(Assembly, Type)](.) ,
[Attribute.IsDefined(Assembly, Type, bool)](.) , [Attribute.GetCustomAttribute(Assembly, Type)](.) ,
[Attribute.GetCustomAttribute(Assembly, Type, bool)](.) , [Attribute.Equals(object)](.) ,
[Attribute.GetHashCode()](.) , [Attribute.Match(object)](.) , [Attribute.IsDefaultAttribute()](.) ,
[Attribute.TypeId](.) , [object.ToString()](.) , [object.Equals(object, object)](.) ,
[object.ReferenceEquals(object, object)](.) , [object.GetType()](.) , [object.MemberwiseClone()](.)

Constructors

NameAttribute(string)

```csharp
public NameAttribute(string value)
```

Parameters

value [string](#)

Properties

Name

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

Property Value

[string](#)

Class RequiredVersionAttribute

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#).[Attributes](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Minium supported PDM Version.

```csharp
public class RequiredVersionAttribute : Attribute, _Attribute
```

Inheritance

[object](#) ← [Attribute](#) ← RequiredVersionAttribute

Implements

[_Attribute](#)

Inherited Members

[Attribute.GetCustomAttributes(MemberInfo, Type)](#) ,
[Attribute.GetCustomAttributes(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(MemberInfo)](#) , [Attribute.GetCustomAttributes(MemberInfo, bool)](#) ,
[Attribute.IsDefined(MemberInfo, Type)](#) , [Attribute.IsDefined(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttribute(MemberInfo, Type)](#) ,
[Attribute.GetCustomAttribute(MemberInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo)](#) , [Attribute.GetCustomAttributes(ParameterInfo, Type)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(ParameterInfo, bool)](#) , [Attribute.IsDefined(ParameterInfo, Type)](#) ,
[Attribute.IsDefined(ParameterInfo, Type, bool)](#) , [Attribute.GetCustomAttribute(ParameterInfo, Type)](#) ,
[Attribute.GetCustomAttribute(ParameterInfo, Type, bool)](#) ,
[Attribute.GetCustomAttributes(Module, Type)](#) , [Attribute.GetCustomAttributes(Module)](#) ,
[Attribute.GetCustomAttributes(Module, bool)](#) , [Attribute.GetCustomAttributes(Module, Type, bool)](#) ,
[Attribute.IsDefined(Module, Type)](#) , [Attribute.IsDefined(Module, Type, bool)](#) ,
[Attribute.GetCustomAttribute(Module, Type)](#) , [Attribute.GetCustomAttribute(Module, Type, bool)](#) ,
[Attribute.GetCustomAttributes(Assembly, Type)](#) ,
[Attribute.GetCustomAttributes(Assembly, Type, bool)](#) , [Attribute.GetCustomAttributes(Assembly)](#) ,
[Attribute.GetCustomAttributes(Assembly, bool)](#) , [Attribute.IsDefined(Assembly, Type)](#) ,
[Attribute.IsDefined(Assembly, Type, bool)](#) , [Attribute.GetCustomAttribute(Assembly, Type)](#) ,
[Attribute.GetCustomAttribute(Assembly, Type, bool)](#) , [Attribute.Equals(object)](#) ,
[Attribute.GetHashCode()](#) , [Attribute.Match(object)](#) , [Attribute.IsDefaultAttribute()](#) ,
[Attribute.TypeId](#) , [object.ToString()](#) , [object.Equals(object, object)](#) ,
[object.ReferenceEquals(object, object)](#) , [object.GetType()](#) , [object.MemberwiseClone()](#)

Constructors

RequiredVersionAttribute(Year_e, ServicePack_e)

Initializes a new instance of the [RequiredVersionAttribute](#) class.

```
public RequiredVersionAttribute(Year_e PDMYear, ServicePack_e ServicePack)
```

Parameters

PDMYear [Year_e](#)

    The PDM year.

ServicePack [ServicePack_e](#)

    The service pack.

RequiredVersionAttribute(int, int)

Initializes a new instance of the [RequiredVersionAttribute](#) class.

```
public RequiredVersionAttribute(int major, int minor)
```

Parameters

major [int](#)

    The major.

minor [int](#)

    The minor.

Properties

Major

Gets or sets the major.

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

Property Value

[int↗]

The major.

Minor

Gets or sets the minor.

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

Property Value

[int↗]

The minor.

See Also

[Attribute↗]

Class TaskFlagsAttribute

Namespace: BlueByte.SOLIDWORKS.PDMProfessional.SDK.Attributes

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Task flags enum.

```csharp
public class TaskFlagsAttribute : Attribute, _Attribute
```

Inheritance

object ← Attribute ← TaskFlagsAttribute

Implements

_Attribute

Inherited Members

Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) ,
Attribute.GetCustomAttributes(MemberInfo) , Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.IsDefined(MemberInfo, Type) , Attribute.IsDefined(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttributes(ParameterInfo) , Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) ,
Attribute.GetCustomAttributes(Module, Type) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type, bool) ,
Attribute.IsDefined(Module, Type) , Attribute.IsDefined(Module, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.GetCustomAttribute(Assembly, Type) ,
Attribute.GetCustomAttribute(Assembly, Type, bool) , Attribute.Equals(object) ,
Attribute.GetHashCode() , Attribute.Match(object) , Attribute.IsDefaultAttribute() ,
Attribute.TypeId , object.ToString() , object.Equals(object, object) ,
object.ReferenceEquals(object, object) , object.GetType() , object.MemberwiseClone()

Constructors

TaskFlagsAttribute(int)

Task flag enum.

```
public TaskFlagsAttribute(int flags)
```

Parameters

flags int↗

  Sum of all flags

Properties

Flags

```
public int Flags { get; }
```

Property Value

int↗

Namespace BlueByte.SOLIDWORKS. PDMProfessional.SDK.Core

Classes

[TaskSetupPage<T>](#)
   Tasksetup page template.

Interfaces

[ITaskSetupPage](#)
   Task setup page.

Interface ITaskSetupPage

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#).[Core](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Task setup page.

```
public interface ITaskSetupPage
```

Properties

Container

Gets or sets the container. This is used in [LoadData(ref EdmCmd)](#) and [StoreData(ref EdmCmd)](#)

```
Container Container { get; set; }
```

Property Value

Container

Name

Name of the setup page.

```
string Name { get; set; }
```

Property Value

[string](#)

Methods

LoadData(ref EdmCmd)

Loads data from the task.

```
void LoadData(ref EdmCmd cmd)
```

Parameters

cmd EdmCmd

    EdmCmd specific to the EPDM.Interop.epdm.EdmCmdType.EdmCmd_TaskSetup hook.

LoadSettings()

Loads task settings from a file

```
void LoadSettings()
```

SaveSettings()

Saves task settings to a file

```
void SaveSettings()
```

StoreData(ref EdmCmd)

```
void StoreData(ref EdmCmd cmd)
```

Parameters

cmd EdmCmd

Class TaskSetupPage<T>

Namespace: <u>BlueByte</u>.<u>SOLIDWORKS</u>.<u>PDMProfessional</u>.<u>SDK</u>.<u>Core</u>

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Tasksetup page template.

```
public class TaskSetupPage<T> : UserControl, IDropTarget, ISynchronizeInvoke, IWin32Window,
IBindableComponent, IComponent, IDisposable, IContainerControl, ITaskSetupPage where T
: INotifyPropertyChanged
```

Type Parameters

T

    ViewModel

Inheritance

<u>object</u> ← <u>MarshalByRefObject</u> ← <u>Component</u> ← <u>Control</u> ← <u>ScrollableControl</u> ←
<u>ContainerControl</u> ← <u>UserControl</u> ← TaskSetupPage<T>

Implements

<u>IDropTarget</u>, <u>ISynchronizeInvoke</u>, <u>IWin32Window</u>, <u>IBindableComponent</u>, <u>IComponent</u>,
<u>IDisposable</u>, <u>IContainerControl</u>, <u>ITaskSetupPage</u>

Inherited Members

<u>UserControl.ValidateChildren()</u> , <u>UserControl.ValidateChildren(ValidationConstraints)</u> ,
<u>UserControl.OnCreateControl()</u> , <u>UserControl.OnLoad(EventArgs)</u> ,
<u>UserControl.OnResize(EventArgs)</u> , <u>UserControl.OnMouseDown(MouseEventArgs)</u> ,
<u>UserControl.WndProc(ref Message)</u> , <u>UserControl.AutoSize</u> , <u>UserControl.AutoSizeMode</u> ,
<u>UserControl.AutoValidate</u> , <u>UserControl.BorderStyle</u> , <u>UserControl.CreateParams</u> ,
<u>UserControl.DefaultSize</u> , <u>UserControl.AutoSizeChanged</u> , <u>UserControl.AutoValidateChanged</u> ,
<u>UserControl.Load</u> , <u>ContainerControl.AdjustFormScrollbars(bool)</u> , <u>ContainerControl.Dispose(bool)</u> ,
<u>ContainerControl.OnAutoValidateChanged(EventArgs)</u> ,
<u>ContainerControl.OnFontChanged(EventArgs)</u> , <u>ContainerControl.OnLayout(LayoutEventArgs)</u> ,
<u>ContainerControl.OnParentChanged(EventArgs)</u> , <u>ContainerControl.PerformAutoScale()</u> ,
<u>ContainerControl.ProcessDialogChar(char)</u> , <u>ContainerControl.ProcessDialogKey(Keys)</u> ,
<u>ContainerControl.ProcessCmdKey(ref Message, Keys)</u> , <u>ContainerControl.ProcessMnemonic(char)</u> ,
<u>ContainerControl.ProcessTabKey(bool)</u> , <u>ContainerControl.Select(bool, bool)</u> ,
<u>ContainerControl.UpdateDefaultButton()</u> , <u>ContainerControl.Validate()</u> ,

ContainerControl.Validate(bool)☑ , ContainerControl.AutoScaleDimensions☑ ,
ContainerControl.AutoScaleFactor☑ , ContainerControl.AutoScaleMode☑ ,
ContainerControl.BindingContext☑ , ContainerControl.CanEnableIme☑ ,
ContainerControl.ActiveControl☑ , ContainerControl.CurrentAutoScaleDimensions☑ ,
ContainerControl.ParentForm☑ , ScrollableControl.ScrollStateAutoScrolling☑ ,
ScrollableControl.ScrollStateHScrollVisible☑ , ScrollableControl.ScrollStateVScrollVisible☑ ,
ScrollableControl.ScrollStateUserHasScrolled☑ , ScrollableControl.ScrollStateFullDrag☑ ,
ScrollableControl.GetScrollState(int)☑ , ScrollableControl.OnMouseWheel(MouseEventArgs)☑ ,
ScrollableControl.OnRightToLeftChanged(EventArgs)☑ ,
ScrollableControl.OnPaintBackground(PaintEventArgs)☑ ,
ScrollableControl.OnPaddingChanged(EventArgs)☑ , ScrollableControl.OnVisibleChanged(EventArgs)☑ ,
ScrollableControl.ScaleControl(SizeF, BoundsSpecified)☑ ,
ScrollableControl.SetDisplayRectLocation(int, int)☑ , ScrollableControl.ScrollControlIntoView(Control)☑ ,
ScrollableControl.ScrollToControl(Control)☑ , ScrollableControl.OnScroll(ScrollEventArgs)☑ ,
ScrollableControl.SetAutoScrollMargin(int, int)☑ , ScrollableControl.SetScrollState(int, bool)☑ ,
ScrollableControl.AutoScroll☑ , ScrollableControl.AutoScrollMargin☑ ,
ScrollableControl.AutoScrollPosition☑ , ScrollableControl.AutoScrollMinSize☑ ,
ScrollableControl.DisplayRectangle☑ , ScrollableControl.HScroll☑ , ScrollableControl.HorizontalScroll☑ ,
ScrollableControl.VScroll☑ , ScrollableControl.VerticalScroll☑ , ScrollableControl.Scroll☑ ,
Control.GetAccessibilityObjectById(int)☑ , Control.SetAutoSizeMode(AutoSizeMode)☑ ,
Control.GetAutoSizeMode()☑ , Control.GetPreferredSize(Size)☑ ,
Control.AccessibilityNotifyClients(AccessibleEvents, int)☑ ,
Control.AccessibilityNotifyClients(AccessibleEvents, int, int)☑ , Control.BeginInvoke(Delegate)☑ ,
Control.BeginInvoke(Delegate, params object[])☑ , Control.BringToFront()☑ ,
Control.Contains(Control)☑ , Control.CreateAccessibilityInstance()☑ , Control.CreateControlsInstance()☑ ,
Control.CreateGraphics()☑ , Control.CreateHandle()☑ , Control.CreateControl()☑ ,
Control.DefWndProc(ref Message)☑ , Control.DestroyHandle()☑ ,
Control.DoDragDrop(object, DragDropEffects)☑ , Control.DrawToBitmap(Bitmap, Rectangle)☑ ,
Control.EndInvoke(IAsyncResult)☑ , Control.FindForm()☑ , Control.GetTopLevel()☑ ,
Control.RaiseKeyEvent(object, KeyEventArgs)☑ , Control.RaiseMouseEvent(object, MouseEventArgs)☑ ,
Control.Focus()☑ , Control.FromChildHandle(IntPtr)☑ , Control.FromHandle(IntPtr)☑ ,
Control.GetChildAtPoint(Point, GetChildAtPointSkip)☑ , Control.GetChildAtPoint(Point)☑ ,
Control.GetContainerControl()☑ , Control.GetScaledBounds(Rectangle, SizeF, BoundsSpecified)☑ ,
Control.GetNextControl(Control, bool)☑ , Control.GetStyle(ControlStyles)☑ , Control.Hide()☑ ,
Control.InitLayout()☑ , Control.Invalidate(Region)☑ , Control.Invalidate(Region, bool)☑ ,
Control.Invalidate()☑ , Control.Invalidate(bool)☑ , Control.Invalidate(Rectangle)☑ ,
Control.Invalidate(Rectangle, bool)☑ , Control.Invoke(Delegate)☑ ,
Control.Invoke(Delegate, params object[])☑ , Control.InvokePaint(Control, PaintEventArgs)☑ ,
Control.InvokePaintBackground(Control, PaintEventArgs)☑ , Control.IsKeyLocked(Keys)☑ ,
Control.IsInputChar(char)☑ , Control.IsInputKey(Keys)☑ , Control.IsMnemonic(char, string)☑ ,

Control.NotifyInvalidate(Rectangle) , Control.InvokeOnClick(Control, EventArgs) ,
Control.OnAutoSizeChanged(EventArgs) , Control.OnBackColorChanged(EventArgs) ,
Control.OnBackgroundImageChanged(EventArgs) ,
Control.OnBackgroundImageLayoutChanged(EventArgs) ,
Control.OnBindingContextChanged(EventArgs) , Control.OnCausesValidationChanged(EventArgs) ,
Control.OnContextMenuChanged(EventArgs) , Control.OnContextMenuStripChanged(EventArgs) ,
Control.OnCursorChanged(EventArgs) , Control.OnDockChanged(EventArgs) ,
Control.OnEnabledChanged(EventArgs) , Control.OnForeColorChanged(EventArgs) ,
Control.OnNotifyMessage(Message) , Control.OnParentBackColorChanged(EventArgs) ,
Control.OnParentBackgroundImageChanged(EventArgs) ,
Control.OnParentBindingContextChanged(EventArgs) , Control.OnParentCursorChanged(EventArgs) ,
Control.OnParentEnabledChanged(EventArgs) , Control.OnParentFontChanged(EventArgs) ,
Control.OnParentForeColorChanged(EventArgs) , Control.OnParentRightToLeftChanged(EventArgs) ,
Control.OnParentVisibleChanged(EventArgs) , Control.OnPrint(PaintEventArgs) ,
Control.OnTabIndexChanged(EventArgs) , Control.OnTabStopChanged(EventArgs) ,
Control.OnTextChanged(EventArgs) , Control.OnClick(EventArgs) ,
Control.OnClientSizeChanged(EventArgs) , Control.OnControlAdded(ControlEventArgs) ,
Control.OnControlRemoved(ControlEventArgs) , Control.OnHandleCreated(EventArgs) ,
Control.OnLocationChanged(EventArgs) , Control.OnHandleDestroyed(EventArgs) ,
Control.OnDoubleClick(EventArgs) , Control.OnDragEnter(DragEventArgs) ,
Control.OnDragOver(DragEventArgs) , Control.OnDragLeave(EventArgs) ,
Control.OnDragDrop(DragEventArgs) , Control.OnGiveFeedback(GiveFeedbackEventArgs) ,
Control.OnEnter(EventArgs) , Control.InvokeGotFocus(Control, EventArgs) ,
Control.OnGotFocus(EventArgs) , Control.OnHelpRequested(HelpEventArgs) ,
Control.OnInvalidated(InvalidateEventArgs) , Control.OnKeyDown(KeyEventArgs) ,
Control.OnKeyPress(KeyPressEventArgs) , Control.OnKeyUp(KeyEventArgs) ,
Control.OnLeave(EventArgs) , Control.InvokeLostFocus(Control, EventArgs) ,
Control.OnLostFocus(EventArgs) , Control.OnMarginChanged(EventArgs) ,
Control.OnMouseDoubleClick(MouseEventArgs) , Control.OnMouseClick(MouseEventArgs) ,
Control.OnMouseCaptureChanged(EventArgs) , Control.OnMouseEnter(EventArgs) ,
Control.OnMouseLeave(EventArgs) , Control.OnMouseHover(EventArgs) ,
Control.OnMouseMove(MouseEventArgs) , Control.OnMouseUp(MouseEventArgs) ,
Control.OnMove(EventArgs) , Control.OnPaint(PaintEventArgs) ,
Control.OnQueryContinueDrag(QueryContinueDragEventArgs) ,
Control.OnRegionChanged(EventArgs) , Control.OnPreviewKeyDown(PreviewKeyDownEventArgs) ,
Control.OnSizeChanged(EventArgs) , Control.OnChangeUICues(UICuesEventArgs) ,
Control.OnStyleChanged(EventArgs) , Control.OnSystemColorsChanged(EventArgs) ,
Control.OnValidating(CancelEventArgs) , Control.OnValidated(EventArgs) , Control.PerformLayout() ,
Control.PerformLayout(Control, string) , Control.PointToClient(Point) , Control.PointToScreen(Point) ,
Control.PreProcessMessage(ref Message) , Control.PreProcessControlMessage(ref Message) ,

Control.ProcessKeyEventArgs(ref Message)⧉ , Control.ProcessKeyMessage(ref Message)⧉ ,
Control.ProcessKeyPreview(ref Message)⧉ , Control.RaiseDragEvent(object, DragEventArgs)⧉ ,
Control.RaisePaintEvent(object, PaintEventArgs)⧉ , Control.RecreateHandle()⧉ ,
Control.RectangleToClient(Rectangle)⧉ , Control.RectangleToScreen(Rectangle)⧉ ,
Control.ReflectMessage(IntPtr, ref Message)⧉ , Control.Refresh()⧉ , Control.ResetMouseEventArgs()⧉ ,
Control.ResetText()⧉ , Control.ResumeLayout()⧉ , Control.ResumeLayout(bool)⧉ , Control.Scale(SizeF)⧉ ,
Control.Select()⧉ , Control.SelectNextControl(Control, bool, bool, bool, bool)⧉ , Control.SendToBack()⧉ ,
Control.SetBounds(int, int, int, int)⧉ , Control.SetBounds(int, int, int, int, BoundsSpecified)⧉ ,
Control.SetBoundsCore(int, int, int, int, BoundsSpecified)⧉ , Control.SetClientSizeCore(int, int)⧉ ,
Control.SizeFromClientSize(Size)⧉ , Control.SetStyle(ControlStyles, bool)⧉ , Control.SetTopLevel(bool)⧉ ,
Control.SetVisibleCore(bool)⧉ , Control.RtlTranslateAlignment(HorizontalAlignment)⧉ ,
Control.RtlTranslateAlignment(LeftRightAlignment)⧉ ,
Control.RtlTranslateAlignment(ContentAlignment)⧉ ,
Control.RtlTranslateHorizontal(HorizontalAlignment)⧉ ,
Control.RtlTranslateLeftRight(LeftRightAlignment)⧉ , Control.RtlTranslateContent(ContentAlignment)⧉ ,
Control.Show()⧉ , Control.SuspendLayout()⧉ , Control.Update()⧉ , Control.UpdateBounds()⧉ ,
Control.UpdateBounds(int, int, int, int)⧉ , Control.UpdateBounds(int, int, int, int, int, int)⧉ ,
Control.UpdateZOrder()⧉ , Control.UpdateStyles()⧉ , Control.OnImeModeChanged(EventArgs)⧉ ,
Control.AccessibilityObject⧉ , Control.AccessibleDefaultActionDescription⧉ ,
Control.AccessibleDescription⧉ , Control.AccessibleName⧉ , Control.AccessibleRole⧉ ,
Control.AllowDrop⧉ , Control.Anchor⧉ , Control.AutoScrollOffset⧉ , Control.LayoutEngine⧉ ,
Control.BackColor⧉ , Control.BackgroundImage⧉ , Control.BackgroundImageLayout⧉ ,
Control.Bottom⧉ , Control.Bounds⧉ , Control.CanFocus⧉ , Control.CanRaiseEvents⧉ ,
Control.CanSelect⧉ , Control.Capture⧉ , Control.CausesValidation⧉ ,
Control.CheckForIllegalCrossThreadCalls⧉ , Control.ClientRectangle⧉ , Control.ClientSize⧉ ,
Control.CompanyName⧉ , Control.ContainsFocus⧉ , Control.ContextMenu⧉ ,
Control.ContextMenuStrip⧉ , Control.Controls⧉ , Control.Created⧉ , Control.Cursor⧉ ,
Control.DataBindings⧉ , Control.DefaultBackColor⧉ , Control.DefaultCursor⧉ , Control.DefaultFont⧉ ,
Control.DefaultForeColor⧉ , Control.DefaultMargin⧉ , Control.DefaultMaximumSize⧉ ,
Control.DefaultMinimumSize⧉ , Control.DefaultPadding⧉ , Control.IsDisposed⧉ , Control.Disposing⧉ ,
Control.Dock⧉ , Control.DoubleBuffered⧉ , Control.Enabled⧉ , Control.Focused⧉ , Control.Font⧉ ,
Control.FontHeight⧉ , Control.ForeColor⧉ , Control.Handle⧉ , Control.HasChildren⧉ , Control.Height⧉ ,
Control.IsHandleCreated⧉ , Control.InvokeRequired⧉ , Control.IsAccessible⧉ , Control.IsMirrored⧉ ,
Control.Left⧉ , Control.Location⧉ , Control.Margin⧉ , Control.MaximumSize⧉ , Control.MinimumSize⧉ ,
Control.ModifierKeys⧉ , Control.MouseButtons⧉ , Control.MousePosition⧉ , Control.Parent⧉ ,
Control.ProductName⧉ , Control.ProductVersion⧉ , Control.RecreatingHandle⧉ , Control.Region⧉ ,
Control.RenderRightToLeft⧉ , Control.ResizeRedraw⧉ , Control.Right⧉ , Control.RightToLeft⧉ ,
Control.ScaleChildren⧉ , Control.Site⧉ , Control.Size⧉ , Control.TabIndex⧉ , Control.TabStop⧉ ,
Control.Tag⧉ , Control.Text⧉ , Control.Top⧉ , Control.TopLevelControl⧉ , Control.ShowKeyboardCues⧉ ,
Control.ShowFocusCues⧉ , Control.UseWaitCursor⧉ , Control.Visible⧉ , Control.Width⧉ ,

Control.PreferredSize , Control.Padding , Control.DefaultImeMode , Control.ImeMode ,
Control.ImeModeBase , Control.PropagatingImeMode , Control.BackColorChanged ,
Control.BackgroundImageChanged , Control.BackgroundImageLayoutChanged ,
Control.BindingContextChanged , Control.CausesValidationChanged , Control.ClientSizeChanged ,
Control.ContextMenuChanged , Control.ContextMenuStripChanged , Control.CursorChanged ,
Control.DockChanged , Control.EnabledChanged , Control.FontChanged ,
Control.ForeColorChanged , Control.LocationChanged , Control.MarginChanged ,
Control.RegionChanged , Control.RightToLeftChanged , Control.SizeChanged ,
Control.TabIndexChanged , Control.TabStopChanged , Control.TextChanged ,
Control.VisibleChanged , Control.Click , Control.ControlAdded , Control.ControlRemoved ,
Control.DragDrop , Control.DragEnter , Control.DragOver , Control.DragLeave ,
Control.GiveFeedback , Control.HandleCreated , Control.HandleDestroyed ,
Control.HelpRequested , Control.Invalidated , Control.PaddingChanged , Control.Paint ,
Control.QueryContinueDrag , Control.QueryAccessibilityHelp , Control.DoubleClick ,
Control.Enter , Control.GotFocus , Control.KeyDown , Control.KeyPress , Control.KeyUp ,
Control.Layout , Control.Leave , Control.LostFocus , Control.MouseClick ,
Control.MouseDoubleClick , Control.MouseCaptureChanged , Control.MouseDown ,
Control.MouseEnter , Control.MouseLeave , Control.MouseHover , Control.MouseMove ,
Control.MouseUp , Control.MouseWheel , Control.Move , Control.PreviewKeyDown ,
Control.Resize , Control.ChangeUICues , Control.StyleChanged , Control.SystemColorsChanged ,
Control.Validating , Control.Validated , Control.ParentChanged , Control.ImeModeChanged ,
Component.Dispose() , Component.GetService(Type) , Component.ToString() ,
Component.Events , Component.DesignMode , Component.Disposed ,
MarshalByRefObject.MemberwiseClone(bool) , MarshalByRefObject.GetLifetimeService() ,
MarshalByRefObject.InitializeLifetimeService() , MarshalByRefObject.CreateObjRef(Type) ,
object.Equals(object) , object.Equals(object, object) , object.ReferenceEquals(object, object) ,
object.GetHashCode() , object.GetType() , object.MemberwiseClone()

Constructors

TaskSetupPage()

Creates a new instance of the task page setup.

```
public TaskSetupPage()
```

Properties

Container

Container

```
public Container Container { get; set; }
```

Property Value

Container

Name

Name of the setup page.

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

Property Value

[string](){:target="_blank"}

SaveLoadDataToVariable

Saves and loads data from variable

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

Property Value

[bool](){:target="_blank"}

SaveLoadDataToVariableId

Id of the variable to save and load data from.

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

Property Value

[int↗]

Vault

Gets the vault object.

```
public IEdmVault5 Vault { get; }
```

Property Value

IEdmVault5

ViewModel

ViewModel

```
public T ViewModel { get; set; }
```

Property Value

T

Methods

ClearDataBindings(Control)

Clears data bindings all of children.

```
public void ClearDataBindings(Control rootControl)
```

Parameters

`rootControl` [Control↗]

    The root control.

LoadData(ref EdmCmd)

Load data.

```
public virtual void LoadData(ref EdmCmd cmd)
```

Parameters

cmd EdmCmd

  Cmd

LoadSettings()

Loads task settings from a file

```
public void LoadSettings()
```

OnDataLoaded()

Fires when data is loaded. Clear all bindings from all controls by invoking ClearDataBindings(Control)

```
public virtual void OnDataLoaded()
```

SaveSettings()

Saves task settings to a file

```
public void SaveSettings()
```

StoreData(ref EdmCmd)

Stores Data

```csharp
public virtual void StoreData(ref EdmCmd cmd)
```

Parameters

cmd EdmCmd

Namespace BlueByte.SOLIDWORKS. PDMProfessional.SDK.Diagnostics

Classes

[LoggerBase](#)

Base class for all loggers.

Interfaces

[ILogger](#)

Logger.

Enums

[LoggerType_e](#)

Interface ILogger

Namespace: [BlueByte](.)[SOLIDWORKS](.)[PDMProfessional](.)[SDK](.)[Diagnostics](.)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Logger.

```
public interface ILogger
```

Properties

OutputLocation

Ouput location. Relative path does not work.

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

Property Value

[string](.)

Methods

EndConnection()

Ends the connection with the SQLServer

```
void EndConnection()
```

GetLoggerType()

Returns the type of the logger.

```
LoggerType_e GetLoggerType()
```

Returns

[LoggerType_e](#)

Init(Identity, IEdmTaskInstance, string)

Initialize the logger.

```
void Init(Identity identity, IEdmTaskInstance instance, string connectionString)
```

Parameters

`identity` [Identity](#)

The identity struct.

`instance` IEdmTaskInstance

Task instance.

`connectionString` [string↗](#)

The connection string.

LogToOutput(string, string)

Logs value to output.

```
void LogToOutput(string target, string value)
```

Parameters

`target` [string↗](#)

Text file path. This is the name of the table when [GetLoggerType()](#) returns [SQL](#)

`value` [string↗](#)

New value.

StartConnection()

Starts a connection with the SQL server. Call this method after you call [Init(Identity, IEdmTaskInstance, string)](#).

```
void StartConnection()
```

Class LoggerBase

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#).[Diagnostics](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Base class for all loggers.

```
public abstract class LoggerBase
```

Inheritance

[object](#) ← LoggerBase

Inherited Members

[object.ToString()](#) , [object.Equals(object)](#) , [object.Equals(object, object)](#) ,
[object.ReferenceEquals(object, object)](#) , [object.GetHashCode()](#) , [object.GetType()](#) ,
[object.MemberwiseClone()](#)

Methods

GetLoggerType()

Gets the type of the logger.

```
public LoggerType_e GetLoggerType()
```

Returns

[LoggerType_e](#)

Exceptions

[Exception](#)

Could not infer type of logger. Make sure to choose the logger type.

Enum LoggerType_e

Namespace: BlueByte.SOLIDWORKS.PDMProfessional.SDK.Diagnostics

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

```
public enum LoggerType_e
```

Fields

Console = 0

File = 1

SQL = 2

Namespace BlueByte.SOLIDWORKS. PDMProfessional.SDK.Enums

Enums

[ServicePack_e](#)

PDM Professional service. Some service pack for specific year may not exist. Please check [this link⧉](#) for the release notes.

[Year_e](#)

PDM Professional year.

Enum ServicePack_e

Namespace: BlueByte.SOLIDWORKS.PDMProfessional.SDK.Enums

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

PDM Professional service. Some service pack for specific year may not exist. Please check this link⊠ for the release notes.

```
public enum ServicePack_e
```

Fields

SP0 = 0

    Service pack.

SP1 = 1

    Service pack.

SP2 = 2

    Service pack.

SP3 = 3

    Service pack.

SP4 = 4

    Service pack.

SP5 = 5

    Service pack.

Enum Year_e

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#).[Enums](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

PDM Professional year.

```
public enum Year_e
```

Fields

PDM2006 = 6

    PDM Professional 2006.

PDM2007 = 7

    PDM Professional 2007.

PDM2008 = 8

    PDM Professional 2008.

PDM2009 = 9

    PDM Professional 2009.

PDM2010 = 10

    PDM Professional 2010.

PDM2011 = 11

    PDM Professional 2011.

PDM2012 = 12

    PDM Professional 2012.

PDM2013 = 13

    PDM Professional 2013.

PDM2014 = 14

PDM Professional 2014.

PDM2015 = 15

PDM Professional 2015.

PDM2016 = 16

PDM Professional 2016.

PDM2017 = 17

PDM Professional 2017.

PDM2018 = 18

PDM Professional 2018.

PDM2019 = 19

PDM Professional 2019.

PDM2020 = 20

PDM Professional 2020.

PDM2021 = 21

PDM Professional 2021.

Namespace BlueByte.SOLIDWORKS. PDMProfessional.SDK.Exceptions

Classes

[ITaskSetupPageNotUserControlException](#)

Fires when the supplied [ITaskSetupPage](#) is not a [UserControl](#)⧉.

[IdentityInfoException](#)

Fires in [GetAddInInfo(ref EdmAddInInfo, IEdmVault5, IEdmCmdMgr5)](#) if attribute is missing.

[PDMSDKException](#)

Base exception.

Class ITaskSetupPageNotUserControlException

Namespace: BlueByte.SOLIDWORKS.PDMProfessional.SDK.Exceptions

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Fires when the supplied ITaskSetupPage is not a UserControl.

```
public class ITaskSetupPageNotUserControlException : PDMSDKException,
ISerializable, _Exception
```

Inheritance

object ← Exception ← PDMSDKException ← ITaskSetupPageNotUserControlException

Implements

ISerializable, _Exception

Inherited Members

Exception.GetBaseException() , Exception.ToString() ,
Exception.GetObjectData(SerializationInfo, StreamingContext) , Exception.GetType() ,
Exception.Message , Exception.Data , Exception.InnerException , Exception.TargetSite ,
Exception.StackTrace , Exception.HelpLink , Exception.Source , Exception.HResult ,
Exception.SerializeObjectState , object.Equals(object) , object.Equals(object, object) ,
object.ReferenceEquals(object, object) , object.GetHashCode() , object.MemberwiseClone()

Constructors

ITaskSetupPageNotUserControlException(string, Exception)

Creates a new instance of the base exception.

```
public ITaskSetupPageNotUserControlException(string message, Exception innerException)
```

Parameters

`message` string

　Message.

`innerException` Exception

Inner exception.

Class IdentityInfoException

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#).[Exceptions](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Fires in [GetAddInInfo(ref EdmAddInInfo, IEdmVault5, IEdmCmdMgr5)](#) if attribute is missing.

```
public class IdentityInfoException : PDMSDKException, ISerializable, _Exception
```

Inheritance

[object](#) ← [Exception](#) ← [PDMSDKException](#) ← IdentityInfoException

Implements

[ISerializable](#), [_Exception](#)

Inherited Members

[Exception.GetBaseException()](#) , [Exception.ToString()](#) ,
[Exception.GetObjectData(SerializationInfo, StreamingContext)](#) , [Exception.GetType()](#) ,
[Exception.Message](#) , [Exception.Data](#) , [Exception.InnerException](#) , [Exception.TargetSite](#) ,
[Exception.StackTrace](#) , [Exception.HelpLink](#) , [Exception.Source](#) , [Exception.HResult](#) ,
[Exception.SerializeObjectState](#) , [object.Equals(object)](#) , [object.Equals(object, object)](#) ,
[object.ReferenceEquals(object, object)](#) , [object.GetHashCode()](#) , [object.MemberwiseClone()](#)

Constructors

IdentityInfoException()

Creates a new instance of the base exception.

```
public IdentityInfoException()
```

IdentityInfoException(string, Exception)

Creates a new instance of the base exception.

```
public IdentityInfoException(string message, Exception innerException)
```

Parameters

`message` [string ⧉](#)

   Message.

`innerException` [Exception ⧉](#)

   Inner exception.

Class PDMSDKException

Namespace: [BlueByte](#).[SOLIDWORKS](#).[PDMProfessional](#).[SDK](#).[Exceptions](#)

Assembly: BlueByte.SOLIDWORKS.PDMProfessional.SDK.dll

Base exception.

```
public class PDMSDKException : Exception, ISerializable, _Exception
```

Inheritance

[object](#) ← [Exception](#) ← PDMSDKException

Implements

[ISerializable](#), [_Exception](#)

Derived

[ITaskSetupPageNotUserControlException](#), [IdentityInfoException](#)

Inherited Members

[Exception.GetBaseException()](#) , [Exception.ToString()](#) ,
[Exception.GetObjectData(SerializationInfo, StreamingContext)](#) , [Exception.GetType()](#) ,
[Exception.Message](#) , [Exception.Data](#) , [Exception.InnerException](#) , [Exception.TargetSite](#) ,
[Exception.StackTrace](#) , [Exception.HelpLink](#) , [Exception.Source](#) , [Exception.HResult](#) ,
[Exception.SerializeObjectState](#) , [object.Equals(object)](#) , [object.Equals(object, object)](#) ,
[object.ReferenceEquals(object, object)](#) , [object.GetHashCode()](#) , [object.MemberwiseClone()](#)

Constructors

PDMSDKException()

Creates a new instance of the base exception.

```
public PDMSDKException()
```

PDMSDKException(string, Exception)

Creates a new instance of the base exception.

```
public PDMSDKException(string message, Exception innerException)
```

Parameters

`message` [string](#)⧉

Message.

`innerException` [Exception](#)⧉

Inner exception.