dSPACE Installation Manager

API Reference

Release 2021-A – May 2021

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How to Contact dSPACE Support

If you encounter a problem when using dSPACE products, contact your local dSPACE representative:

- Local dSPACE companies and distributors: http://www.dspace.com/go/locations
- For countries not listed, contact dSPACE GmbH in Paderborn, Germany.
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You can also use the support request form: http://www.dspace.com/go/supportrequest. If you are logged on to mydSPACE, you are automatically identified and do not need to add your contact details manually.

If possible, always provide the relevant dSPACE License ID or the serial number of the CmContainer in your support request.

Software Updates and Patches

dSPACE strongly recommends that you download and install the most recent patches for your current dSPACE installation. Visit http://www.dspace.com/go/patches for software updates and patches.

Important Notice

This publication and the contents hereof are subject to change without notice.

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About This Reference

Contents

This Reference introduces you to the API of dSPACE Installation Manager.

Symbols

dSPACE user documentation uses the following symbols:

Symbol	Description
⚠ DANGER	Indicates a hazardous situation that, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.
NOTICE	Indicates a hazard that, if not avoided, could result in property damage.
Note	Indicates important information that you should take into account to avoid malfunctions.
Tip	Indicates tips that can make your work easier.
?	Indicates a link that refers to a definition in the glossary, which you can find at the end of the document unless stated otherwise.
📖	Precedes the document title in a link that refers to another document.

Naming conventions

dSPACE user documentation uses the following naming conventions:

%name% Names enclosed in percent signs refer to environment variables for file and path names.

< > Angle brackets contain wildcard characters or placeholders for variable file and path names, etc.

Special folders

Some software products use the following special folders:

Common Program Data folder A standard folder for application-specific configuration data that is used by all users.

`%PROGRAMDATA%\dSPACE\<InstallationGUID>\<ProductName>`

or

`%PROGRAMDATA%\dSPACE\<ProductName>\<VersionNumber>`

Documents folder A standard folder for user-specific documents.

`%USERPROFILE%\Documents\dSPACE\<ProductName>\<VersionNumber>`

Local Program Data folder A standard folder for application-specific configuration data that is used by the current, non-roaming user.

`%USERPROFILE%\AppData\Local\dSPACE\<InstallationGUID>\<ProductName>`

Accessing dSPACE Help and PDF Files

After you install and decrypt dSPACE software, the documentation for the installed products is available in dSPACE Help and as PDF files.

dSPACE Help (local) You can open your local installation of dSPACE Help:

- On its home page via Windows Start Menu
- On specific content using context-sensitive help via **F1**

dSPACE Help (Web) You can access the Web version of dSPACE Help at www.dspace.com/go/help.

To access the Web version, you must have a *mydSPACE* account.

PDF files You can access PDF files via the icon in dSPACE Help. The PDF opens on the first page.

Introduction

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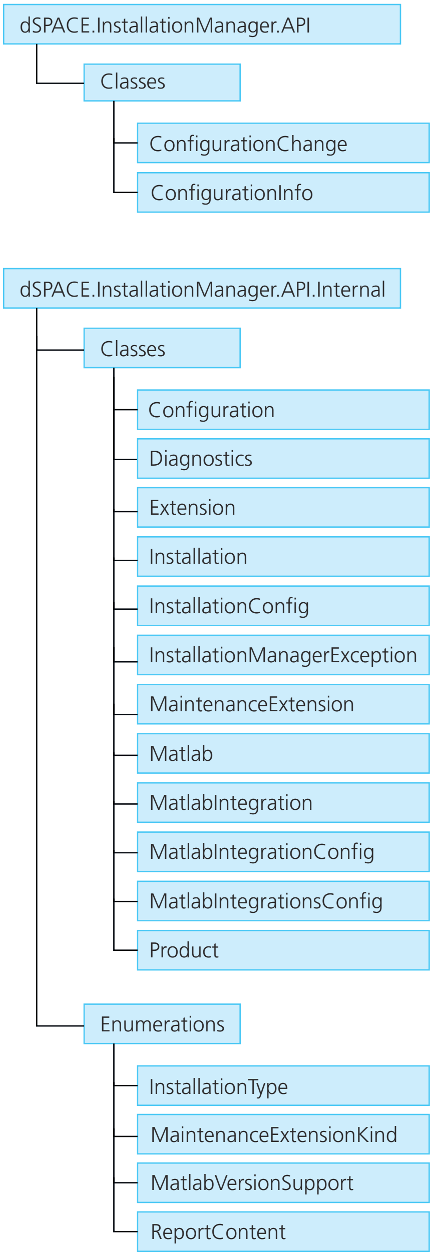
Overview of the API

API objects dependency

The illustration shows the dependencies of the objects that are used in the API to handle automation tasks.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Features of the API and Important Notes

Features of the API

The API Version 2.0.0.0 of the dSPACE Installation Manager provides the following features:

- Getting information on the dSPACE installations on your host PC.
- Getting information on MATLAB installations (on your host PC and on a connected network) and their integration into dSPACE software.
- Activation and deactivation of dSPACE installations
- Decryption of software parts that are installed in encrypted archives.

  > **Note**
  >
  > This feature is only supported when the API runs in a 64-bit process.

- Adding and removing a MATLAB integration (integration of a specific MATLAB installation into dSPACE software) to/from the dSPACE Installation Manager.
- Modifying an existing MATLAB integration, for example, setting a specific MALAB integration as the preferred one.
- Collects information about the dSPACE software environment on your PC and the problem you may have and saves it to a ZIP file. This you can send to dSPACE Support for diagnostic purposes.

Software environment

You can use the API of dSPACE Installation Manager in combination with 32-bit and 64-bit software programs.

> **Note**
>
> - As of dSPACE Release 2017-B, new features of the API of dSPACE Installation Manager are only supported when the API runs in a 64-bit process.
> - As of dSPACE Release 2021-B, the API of dSPACE Installation Manager will only run in 64-bit processes.

Accessing the API

You can access the API Version 2.0.0.0 of dSPACE Installation Manager by using the following scripting environments and programming languages:

- Windows PowerShell 4.0

  Windows PowerShell 4.0 is part of the Windows Management Framework 4.0. This software package is free of charge and can be downloaded from http://www.microsoft.com.
- Python (Python scripts running in an external interpreter, for example, PythonWin)

You can find PythonWin in the Windows Start menu (Start — Python 3.6 — PythonWin) after installing of the dSPACE software.

Note

Python does not support modifying an existing MATLAB integration. As a workaround, you can use IronPython. IronPython is an open-source implementation of the Python programming language which is tightly integrated with the .NET Framework
In the IronPhyton console you can, for example, start a Phyton script as follows:

```
>>> execfile(r"c:\MyScript.py")
```

- Batch file (starting a PowerShell script)

Enabling scripting with Windows PowerShell By default, the Windows operating system does not support scripting with Windows PowerShell. You can enable scripting by executing the following steps:

1. From Start — Windows PowerShell, select Windows PowerShell.
2. On the Windows PowerShell entry, right-click Run as administrator.
3. In the PowerShell window enter the following command: `Set-ExecutionPolicy RemoteSigned`.
4. Confirm the Execution Policy Change question with Y (= yes).

   Scripting with Windows PowerShell is enabled.

Activating/deactivating dSPACE installations and decrypting via Phyton scripts

As of dSPACE Release 2019-A, the API supports activating/deactivating dSPACE installations and decrypting archives of the installed dSPACE software via Phyton scripts.

Note

You have to restart all running processes that use `python.exe` , `PythonWin.exe`, or `pythonw.exe` after the action performed with dSPACE Installation Manager has been finished. If you do not restart the running processes, the previous dSPACE Python enhancements still remain active.

Related Documents

Overview

Below is an overview of documents that you are also recommended to read when working with the API of dSPACE Installation Manager.

Document	Contents
Managing dSPACE Software Installations 🕮	Shows you how to manage all the dSPACE installations on your host PC with dSPACE Installation Manager. Managing means, for example, activating or deactivating installations, decrypting the encrypted archives of the installed software and connecting dSPACE software installations to MATLAB software.
Providing Diagnostic Information 🕮	Shows how to collect diagnostic information via dSPACE Installation Manager and to provide this information to dSPACE Support.
dSPACE Installation Manager Glossary 🕮	Briefly explains the most important expressions and naming conventions used in the dSPACE Installation Manager documentation.

Examples for Automating dSPACE Installation Manager

Where to go from here

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Examples for Using Windows PowerShell

Getting and listing all dSPACE installations on your host PC

```
#Load assembly dSPACE.InstallationManager.API
$assembly=[System.Reflection.Assembly]::LoadWithPartialName("dSPACE.InstallationManager.API")

#Create ConfigurationInfo object for later use
$Info=New-Object dSPACE.InstallationManager.API.ConfigurationInfo

$Info.Installations
```

Getting and listing all ControlDesk installations on your host PC

```
#Load assembly dSPACE.InstallationManager.API
$assembly=[System.Reflection.Assembly]::LoadWithPartialName("dSPACE.InstallationManager.API")

#Create InstallationInfo object for later use
$installationInfo=New-Object dSPACE.InstallationManager.API.ConfigurationInfo

$installationInfo.Installations | Where-Object {$_.TypeName -eq
[dSPACE.InstallationManager.API.Internal.InstallationType]::ControlDesk}
```

Getting and listing all MATLAB installations on your host PC and on the network that are added manually

```
#This demo script must be used with version 4.0 of Windows PowerShell.

#Load assembly dSPACE.InstallationManager.API

[System.Reflection.Assembly]::LoadWithPartialName("dSPACE.InstallationManager.API")

#Create ConfigurationInfo object for later use
$Info=New-Object dSPACE.InstallationManager.API.ConfigurationInfo

$Info.MatlabInstallations
```

Getting and listing all MATLAB installations that are integrated in a specific dSPACE installation

```
#Load assembly dSPACE.InstallationManager.API
$assembly=[System.Reflection.Assembly]::LoadWithPartialName("dSPACE.InstallationManager.API")

#Create ConfigurationInfo object for later use
$Info=New-Object dSPACE.InstallationManager.API.ConfigurationInfo

$Info.MatlabIntegrations
```

Getting and listing the preferred MATLAB installation

```
#Load assembly dSPACE.InstallationManager.API
[System.Reflection.Assembly]::LoadWithPartialName("dSPACE.InstallationManager.API")

#Create ConfigurationInfo object for later use
$info=New-Object dSPACE.InstallationManager.API.ConfigurationInfo

$info.MatlabIntegrations | Where-Object {$_.IsPreferred}
```

Getting and listing all patches and hotfixes for a ControlDesk installation

```
#Load assembly dSPACE.InstallationManager.API
[System.Reflection.Assembly]::LoadWithPartialName("dSPACE.InstallationManager.API")

#Create InstallationInfo object for later use
$installationInfo=New-Object dSPACE.InstallationManager.API.ConfigurationInfo

#Get ControlDesk installations
$ControlDeskInstallaltions = $installationInfo.Installations | Where-Object {$_.TypeName -eq
[dSPACE.InstallationManager.API.Internal.InstallationType]::ControlDesk}

#Iterate and print out hotfixes, patches and service packs
foreach ($Installation in $ControlDeskInstallaltions)
{
    foreach ($Product in $Installation.Products)
    {
    $Product.MaintenanceExtensions;
    }
}
```

Activating a specific dSPACE installation

```
#This demo script must be used with version 4.0 of Windows PowerShell.

#Load assembly dSPACE.InstallationManager.API
[System.Reflection.Assembly]::LoadWithPartialName("dSPACE.InstallationManager.API")

#Create ConfigurationChange object (or get the already created instance) for later use. (Only one item can be created in
one process.)
$change=[dSPACE.InstallationManager.API.ConfigurationChange]::Instance()

$rootPath = "d:\Program Files\dSPACE RCPHIL 2015-B"
$installation = $change.Installations | Where-Object {$_.RootPath.Equals($rootPath)}
$shouldBEPreferredMatlab = $false

try
{
    "Start activating " + $installation.RootPath
    $installation.Activate()
    "End activating " + $installation.RootPath
}
catch
{
    "An Error occurred while activating " + $installation.RootPath | Write-Host -ForegroundColor Red
    $_.Exception.Message | Write-Host -ForegroundColor Red
}
```

Adding all possible MATLAB integrations

```
#This demo script is intended to be used with version 4.0 of the Windows PowerShell (x86).

#Load assembly dSPACE.InstallationManager.API
[System.Reflection.Assembly]::LoadWithPartialName("dSPACE.InstallationManager.API")

#Create ConfigurationChange object (or get the already created instance) for later use. (Only one item can be created in
one process.)
$change=[dSPACE.InstallationManager.API.ConfigurationChange]::Instance()

$shouldBEPreferredMatlab = $false

foreach($mi in $change.MatlabInstallations)
{
    foreach($inst in $change.Installations)
    {
        if($change.MatlabIntegrations.CanAdd($inst, $mi))
        {
            try
            {
                "`nStart adding integration of " + $mi.RootPath + " and " + $inst.RootPath
                $change.MatlabIntegrations.Add($inst, $mi, $shouldBEPreferredMatlab)
                "End adding integration of " + $mi.RootPath + " and " + $inst.RootPath
            }
            catch
            {
                "Error occurred while modifying Matlab integration of " + $mi.RootPath + " with " + $inst.RootPath |
Write-Host -ForegroundColor Red
                $_.Exception.Message | Write-Host -ForegroundColor Red
            }
        }
        else
        {
            "Matlab integration of " + $mi.RootPath + " with " + $inst.RootPath + " can currently not be added."
        }
    }
}
```

Decrypting encrypted archives for a specific installation

```
#This demo script is intended to be used with version 4.0 of the Windows PowerShell.

#Load assembly dSPACE.InstallationManager.API
[System.Reflection.Assembly]::LoadWithPartialName("dSPACE.InstallationManager.API")

#Create ConfigurationChange object (or get the already created instance) for later use. (Only one item can be created in
one process.)

$change=[dSPACE.InstallationManager.API.ConfigurationChange]::Instance()

$rootPath = "d:\Program Files\dSPACE RCPHIL 2016-B"

$installation = $change.Installations | Where-Object {$_.RootPath.Equals($rootPath)}

try
{
    "`nStart decrypting of encrypted parts for installation " + $installation.RootPath
    $Succeeded = $installation.DecryptEncryptedParts($TRUE)
    if($Succeeded -eq $FALSE)
    {
        "Could not decrypt all encrypted parts." | Write-Host -ForegroundColor Red
    }
    "End decrypting of encrypted parts of " + $installation.RootPath
}
catch
{
    "An Error occurred while decrypting encrypted parts for installation " + $installation.RootPath | Write-Host -
ForegroundColor Red
    $_.Exception.Message | Write-Host -ForegroundColor Red
}
```

Generating diagnostic information

```
#This demo script is intended to be used with version 4.0 of the Windows PowerShell.

#Load assembly dSPACE.InstallationManager.API
[System.Reflection.Assembly]::LoadWithPartialName("dSPACE.InstallationManager.API")

function PrintException( [Exception] $ex)
{
    $ex |format-list -Force
    if ($ex.InnerException)
    {
        PrintException $ex.InnerException
    }
}

try
{
#Create ConfigurationInfo object for later use
$info=New-Object dSPACE.InstallationManager.API.ConfigurationInfo

#Generate diagnostics report with basic information. Write the result to file DiagnosticsReport.zip and allow
overwriting of an already existing file.
$info.Diagnostics.GenerateReport("MySubject", "MyDesription",
[dSPACE.InstallationManager.API.Internal.ReportContent]::Basic, "c:\temp\DiagnosticsReport.zip", $true)

#Generate diagnostics report with basic information but with some file attachments and with information for some
specific installations.
$attachments = "c:\temp\AttachmentFile1.txt", "c:\temp\AttachmentFile2.txt"
$installations = "d:\Program Files\dSPACE AutomationDesk 5.6", "d:\Program Files\dSPACE ControlDesk 6.3"
#$info.Diagnostics.GenerateReport("MySubject", "MyDesription",
[dSPACE.InstallationManager.API.Internal.ReportContent]::Basic, $installations, $attachments,
"c:\temp\DiagnosticsReport.zip", $true)

#Generate diagnostics report with all available information.
#$info.Diagnostics.GenerateReport("MySubject", "MyDesription",
[dSPACE.InstallationManager.API.Internal.ReportContent]::All, "c:\temp\DiagnosticsReport.zip", $true)
}
catch
{
    PrintException $_.Exception
}
```

Examples for Using Python

Getting and listing all dSPACE installations

```
import clr
clr.AddReference("dSPACE.InstallationManager.API, Version=2.0.0.0, Culture=neutral, PublicKeyToken=f9604847d8afbfbb")
import dSPACE.InstallationManager.API
InstallationInfo = dSPACE.InstallationManager.API.ConfigurationInfo()

for Installation in InstallationInfo.Installations:
    print ("%-50s RootPath : %s" % (Installation.DisplayName, Installation.RootPath))
```

Getting and listing all MATLAB installations

```
import clr
clr.AddReference("dSPACE.InstallationManager.API, Version=2.0.0.0, Culture=neutral, PublicKeyToken=f9604847d8afbfbb")
import dSPACE.InstallationManager.API
MATLABInstallationInfo = dSPACE.InstallationManager.API.MATLABInstallationInfo()

for MATLABInstallation in MatLABInstallationInfo.MATLABInstallations:
    print ("%-50s RootPath : %s" % (MATLABInstallation.DisplayName, MATLABInstallation.RootPath))
```

Generating diagnostic report

```
import clr
clr.AddReference("dSPACE.InstallationManager.API, Version=2.0.0.0, Culture=neutral, PublicKeyToken=f9604847d8afbfbb")
import dSPACE.InstallationManager.API
Info = dSPACE.InstallationManager.API.ConfigurationInfo()

Info.Diagnostics.GenerateReport('MySubject', 'MyDescription',
dSPACE.InstallationManager.API.Internal.ReportContent.Basic, r'c:\temp\DiagnosticsReport.zip', False)
```

Namespaces

Where to go from here

Information in this section

dSPACE.InstallationManager.API Namespace

Purpose

The dSPACE.InstallationManager.API namespace contains types that users can create themselves.

Classes

Class	Description
ConfigurationChange	Changes settings of dSPACE installations, for example, modifies the integration of dSPACE software into MATLAB installations.
ConfigurationInfo	Provides information about available dSPACE installations, installed MATLAB software, and integrations of dSPACE software into MATLAB installations. This information represents the current state of the system. Any later changes will not be considered.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace

Purpose

The dSPACE.InstallationManager.API.Internal namespace contains types that users cannot create themselves.

Classes

Class	Description
Configuration	Base class for providng access to dSPACE installations.
Diagnostics	Collects information about the dSPACE software environment on your PC and the problem you may have and saves it to a ZIP file.
Extension	Provides information about an extension (such as an add-on or a solution) for a specific dSPACE product.
Installation	Provides information about a dSPACE installation.
InstallationConfig	Provides information about a dSPACE installation, lets you activate/deactivate an installation and lets you decrypt the encrypted parts of the installed products.
InstallationManagerException	The exception that is thrown when an error occurs in the API of the dSPACE Installation Manager.
MaintenanceExtension	Provides information about a hotfix, a patch or a service pack for a dSPACE product.
Matlab	Provides information about a MATLAB installation.
MatlabIntegration	Represents an integration of a dSPACE installation into a specific MATLAB installation.
MatlabIntegrationConfig	Modifies an existing MATLAB integration (integration of dSPACE software into a specific MATLAB installation).
MatlabIntegrationsConfig	Provides information about integrations into MATLAB and lets you add or remove

Class	Description
	integrations to/from the dSPACE Installation Manager.
Product	Provides information about a dSPACE product.

Enumerations

Enumeration	Description
InstallationType	The type name of dSPACE installations.
MaintenanceExtensionKind	Represents the kind of a maintenance extension (hotfix, patch or service pack).
MatlabVersionSupport	Indicates whether a dSPACE installation can be integrated into a specific Matlab software version.

Related topics

References

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Classes

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ConfigurationChange Class

Purpose

Changes settings of dSPACE installations. For example, modifies the integration of dSPACE software into MATLAB installations.

Declaration

C#	`public class ConfigurationChange : Configuration`
Visual Basic	`Public Class ConfigurationChange Inherits Configuration`

Related namespace

dSPACE.InstallationManager.API

Methods

The class has the following methods:

Name	Description	Return Value	Type	Declaration	
`Instance`	Gets the ConfigurationChange instance. Only one item is supported per process.	The only ConfigurationChange instance.	ConfigurationChange	C#	`public static ConfigurationChange Instance()`
				Visual Basic	`Public Shared Function Instance As ConfigurationChange`

Properties

The class has the following properties:

Name	Description	Type	Declaration	
`Installations`	Gets a collection of all dSPACE installations on the local host PC.	ReadOnlyCollection (Of InstallationConfig)	C#	`public ReadOnlyCollection<InstallationConfig> Installations { get; }`
			Visual Basic	`Public ReadOnly Property Installations As ReadOnlyCollection(Of InstallationConfig) Get`
`MatlabInstallations`	Gets a collection of all MATLAB installations (32-bit and 64-bit). The list contains all local installations and the installations on a network thats users add manually.	ReadOnlyCollection (Of Matlab)	C#	`public ReadOnlyCollection<Matlab> MatlabInstallations { get; }`
			Visual Basic	`Public ReadOnly Property MatlabInstallations As ReadOnlyCollection(Of Matlab) Get`
`MatlabIntegrations`	Gets a collection of all MATLAB installations with integrated dSPACE software.	MatlabIntegrationsConfig	C#	`public MatlabIntegrationsConfig MatlabIntegrations { get; }`
			Visual Basic	`Public ReadOnly Property MatlabIntegrations As MatlabIntegrationsConfig Get`

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API Namespace.. 21

ConfigurationInfo Class

Purpose

Provides information about available dSPACE installations, installed MATLAB software, and integrations of dSPACE software into MATLAB installations.

Declaration

C#	`public class ConfigurationInfo : Configuration`

Visual Basic	`Public Class ConfigurationInfo`
	`Inherits Configuration`

Related namespace

dSPACE.InstallationManager.API

Description

This information represents the current state of the system. Any later changes will not be considered.

Constructors

The class has the following constructors:

Name	Description	Declaration	
`ConfigurationInfo`	Initializes a new instance of the ConfigurationInfo class.	C#	`public ConfigurationInfo()`
		Visual Basic	`Public Sub New`

Properties

The class has the following properties:

Name	Description	Type	Declaration	
Diagnostics	Gets a diagnostics item that is saved to a specified ZIP file.	Diagnostics	C#	`public Diagnostics Diagnostics { get; }`

			Visual Basic	`Public ReadOnly Property Diagnostics As Diagnostics`
				`Get`

`Installations`	Gets a collection of all dSPACE installations on the local host PC.	ReadOnlyCollection (Installation)	C#	`public ReadOnlyCollection<Installation> Installations { get; }`

			Visual Basic	`Public ReadOnly Property Installations As ReadOnlyCollection(Of Installation)`
				`Get`

`MatlabInstallations`	Gets a collection of all MATLAB installations (32-bit and 64-bit). The list contains all local installations and the installations on a network that users add manually.	ReadOnlyCollection (Matlab)	C#	`public ReadOnlyCollection<Matlab> MatlabInstallations { get; }`

			Visual Basic	`Public ReadOnly Property MatlabInstallations As ReadOnlyCollection(Of Matlab)`
				`Get`

`MatlabIntegrations`	Gets a collection of all MATLAB installations with integrated dSPACE software.	ReadOnlyCollection (MatlabIntegration)	C#	`public ReadOnlyCollection<MatlabIntegration> MatlabIntegrations { get; }`
			Visual Basic	`Public ReadOnly Property MatlabIntegrations As ReadOnlyCollection(Of`

Name	Description	Type	Declaration	
				MatlabIntegration) Get

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API Namespace.. 21

Configuration Class

Purpose

Is a base class and provides access to dSPACE installations.

Declaration

C#	`public class Configuration`
Visual Basic	`Public Class Configuration`

Related namespace

dSPACE.InstallationManager.API.Internal

Related topics

References

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Diagnostics Class

Purpose

Collects information about the dSPACE software environment on your PC and the problem you may have and saves it to a ZIP file.

Declaration

C#	`public class Diagnostics`
Visual Basic	`Public Class Diagnostics`

Related namespace dSPACE.InstallationManager.API.Internal

Methods The class has the following methods:

Name	Characteristics			
`Diagnostics.GenerateReport Method (String, String, ReportContent, String, Boolean)`	**Description**		**Declaration**	

	Collects diagnostic information and saves it to a ZIP file.		C#	`public void GenerateReport(`
				`string subject,`
				`string problemDescription,`
				`ReportContent reportContent,`
				`string reportFileFullPath,`
				`bool overwriteExisting`
				`)`

			Visual Basic	`Public Sub GenerateReport (`
				`subject As String,`
				`problemDescription As String,`
				`reportContent As ReportContent,`
				`reportFileFullPath As String,`
				`overwriteExisting As Boolean`
				`)`

	Parameter	**Description**	**Type**	
	`subject`	The subject of the problem that leads to the support request.	System.String	
	`problemdescription`	Information describing the problem.	System.String	
	`reportcontent`	Indicates which general content will be collected and saved in the ZIP file. Refer to ReportContent Enumeration on page 68.	dSPACE.InstallationManager.API.Internal.ReportContent	
	`reportFileFullPath`	Full path and name of the ZIP file that will be created. Example: "c:\Diagnostics.zip".	System.String	
	`overwriteExisting`	▪ True: An existing diagnostic ZIP file	System.Boolean	

Name	Characteristics			
		will be overwritten. ▪ False: An existing diagnostic ZIP file will not be overwritten.		
`Diagnostics.GenerateReport Method (String, String, ReportContent, String(), String, Boolean)`	**Description**		**Declaration**	

	Collects diagnostic information and saves it to a ZIP file. Additionally, you can attach your own files to be saved to the ZIP file.		C#	`public void GenerateReport(`
				`string subject,`
				`string problemDescription,`
				`ReportContent reportContent,`
				`string[] attachments,`
				`string reportFileFullPath,`
				`bool overwriteExisting`
				`)`

			Visual Basic	`Public Sub GenerateReport (`
				`subject As String,`
				`problemDescription As String,`
				`reportContent As ReportContent,`
				`attachments As String(),`
				`reportFileFullPath As String,`
				`overwriteExisting As Boolean`
				`)`

	Parameter	**Description**	**Type**	
	`subject`	The subject of the problem that leads to the support request.	System.String	
	`problemdescription`	Information describing the problem.	System.String	
	`reportcontent`	Indicates which content will be collected and saved in the ZIP file. Refer to ReportContent Enumeration on page 68.	dSPACE.InstallationManager.API.Internal.ReportContent	
	`attachments`	Full paths of additional files that will be saved in the ZIP file. Can be null. Strings that do not represent an	System.String	

Name	Characteristics			
		existing file will be ignored.		
	`reportFileFullPath`	Full path and name of the ZIP file that will be created. Example: "c:\Diagnostics.zip".	System.String	
	`overwriteExisting`	▪ True: An existing diagnostic ZIP file will be overwritten. ▪ False: An existing diagnostic ZIP file will not be overwritten.	System.Boolean	
`Diagnostics.GenerateReport Method (String, String, ReportContent, String(), String(), String, Boolean)`	**Description**		**Declaration**	

	Collects diagnostic information and saves it to a ZIP file. Additionally, you can attach additional files to be saved to the ZIP file.
	By using this method, you can specify single dSPACE software installations for which you want to collect diagnostic information.
			C#	`public void GenerateReport(`
				`string subject,`
				`string problemDescription,`
				`ReportContent reportContent,`
				`string[] installations,`
				`string[] attachments,`
				`string reportFileFullPath,`
				`bool overwriteExisting`
				`)`

			Visual Basic	`Public Sub GenerateReport (`
				`subject As String,`
				`problemDescription As String,`
				`reportContent As ReportContent,`
				`installations As String(),`
				`attachments As String(),`
				`reportFileFullPath As String,`
				`overwriteExisting As Boolean`
				`)`

	Parameter	**Description**	**Type**	
	`subject`	The subject of the problem that leads to a support request.	System.String	
	`problemdescription`	Information describing the problem.	System.String	
	`reportcontent`	Indicates which general content will be collected and saved in the ZIP file. Refer to	dSPACE.InstallationManager.API.Internal.ReportContent	

Name	Characteristics		
		ReportContent Enumeration on page 68.	
	`installations`	The root directories of the software installations that will be included for collecting diagnostic information. Can be null. Strings not representing an existing installation will be ignored. Note that this parameter will be ignored if the reportContent parameter is set to ReportContent.All.	System.String
	`attachments`	Full paths of additional files that will be saved in the ZIP file. Can be null. Strings that do not represent an existing file will be ignored.	System.String
	`reportFileFullPath`	Full path and name of the ZIP file that will be created. Example: "c:\Diagnostics.zip".	System.String
	`overwriteExisting`	▪ True: An existing diagnostic ZIP file will be overwritten. ▪ False: An existing diagnostic ZIP file will not be overwritten.	System.Boolean

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.. 22

Extension Class

Purpose

Provides information about an extension (such as an add-on or a solution) for a specific dSPACE product.

Declaration

C#	`public class Extension`
Visual Basic	`Public Class Extension`

Related namespace

dSPACE.InstallationManager.API.Internal

Methods

The class has the following methods:

Name	Description	Return Value	Type	Declaration	
`ToString`	Returns the display name to represent this instance. Overrides `Object.ToString()`.	DisplayName	String	C#	`public override string ToString()`
				Visual Basic	`Public Overrides Function ToString As String`

Properties

The class has the following properties:

Name	Description	Type	Declaration	
`Description`	Gets the description.	String	C#	`public string Description { get; }`

			Visual Basic	`Public ReadOnly Property Description As String`
				`Get`

`DisplayName`	Gets the display name.	String	C#	`public string DisplayName { get; }`

			Visual Basic	`Public ReadOnly Property DisplayName As String`
				`Get`

`RootPath`	Gets the root path of the installation of this extension.	String	C#	`public string RootPath { get; }`

			Visual Basic	`Public ReadOnly Property RootPath As String`
				`Get`

Name	Description	Type	Declaration	
`UniqueName`	Gets the unique name that identifies this extension.	String	C#	`public string UniqueName { get; }`

			Visual Basic	`Public ReadOnly Property UniqueName As String`
				`Get`

`Version`	Gets the version.	String	C#	`public string Version { get; }`

			Visual Basic	`Public ReadOnly Property Version As String`
				`Get`

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.. 22

Installation Class

Purpose

Provides information about a dSPACE installation.

Declaration

C#	`public class Installation : IEquatable<Installation>`

Visual Basic	`Public Class Installation`
	`Implements IEquatable(Of Installation)`

Related namespace

dSPACE.InstallationManager.API.Internal

Methods

The class has the following methods:

Name	Characteristics				
	Description	Return Value	Type	Declaration	

`Equals(Object)`	Indicates whether the specified object is equal to this instance. Overrides `Object.Equals(Object)`.	▪ True: The specified object is	Boolean	C#	`public override bool Equals(`
					`Object obj`
					`)`

				Visual Basic	`Public Overrides Function Equals (`

Name	Characteristics				
		equal to this instance. ▪ False: The specified object is unequal to this instance.			obj As Object) As Boolean
	Parameter	Description	Type		
	obj	The object to compare with this instance.	System.Object		
Equals(Installation)	Description	Return Value	Type	Declaration	
	Indicates whether the specified object is equal to this object. Overrides Object.Equals(Object).	▪ True: The specified object is equal to this object. ▪ False: The specified object is unequal to this object.	Boolean	C#	public bool Equals(Installation other)
				Visual Basic	Public Function Equals (other As Installation) As Boolean
	Parameter	Description	Type		
	Other	The object to compare with this object.	dSPACE.InstallationManager.API.Internal.Installation		
	Implements				
	IEquatable<Of T> .Equals(T)				
GetHashCode	Description	Return Value	Type	Declaration	
	Returns a hash code for this instance. Overrides Object.GetHashCode().	A hash code for this instance, suitable for use in hashing algorithms and data structures like a hash table.	Int32	C#	public override int GetHashCode()
				Visual Basic	Public Overrides Function GetHashCode As Integer
ToString	Description	Return Value	Type	Declaration	
	Returns the display name to represent this instance. Overrides Object.ToString().	DisplayName	String	C#	public override string ToString()
				Visual Basic	Public Overrides Function ToString As String

Properties

The class has the following properties.

Name	Description	Type	Declaration	
`Description`	Gets the description of the installation.	String	C#	`public string Description { get; }`

			Visual Basic	`Public ReadOnly Property Description As String`
				`Get`

`DisplayName`	Gets the display name of the installation.	String	C#	`public string DisplayName { get; }`

			Visual Basic	`Public ReadOnly Property DisplayName As String`
				`Get`

`Extensions`	Gets a list of extensions that are provided by this installation.	IEnumerable (Extension)	C#	`public IEnumerable<Extension> Extensions { get; }`

			Visual Basic	`Public ReadOnly Property Extensions As IEnumerable(Of Extension)`
				`Get`

`InstallationDate`	Gets information about when the installation was installed.	String	C#	`public string InstallationDate { get; }`

			Visual Basic	`Public ReadOnly Property InstallationDate As String`
				`Get`

`InstallationUser`	Gets the user who installed the installation.	String	C#	`public string InstallationUser { get; }`

			Visual Basic	`Public ReadOnly Property InstallationUser As String`
				`Get`

`Is64Bit`	Gets a value indicating whether this is a 64-bit installation.	Boolean	C#	`public bool Is64Bit { get; }`

			Visual Basic	`Public ReadOnly Property Is64Bit As Boolean`
				`Get`

`IsActive`	Gets a value indicating whether the installation is the active installation. The meaning of active depends on the type of the installation (= product).	Boolean	C#	`public bool IsActive { get; }`

			Visual Basic	`Public ReadOnly Property IsActive As Boolean`
				`Get`

`IsPrerelease`	Gets a value indicating whether this installation is a	Boolean	C#	`public bool IsPrerelease { get; }`

			Visual Basic	`Public ReadOnly Property IsPrerelease As Boolean`
				`Get`

Name	Description	Type	Declaration	
	pre-released version.			
LeastSupportedMatlabVersion32Bit	Gets the oldest supported MATLAB version (32-bit) of this installation. MATLAB versions that are not older than this version can be used with this installation although this is not officially supported.	String	C#	public string LeastSupportedMatlabVersion32Bit { get; }
			Visual Basic	Public ReadOnly Property LeastSupportedMatlabVersion32Bit As String Get
LeastSupportedMatlabVersion64Bit	Gets the oldest supported MATLAB version (64-bit) of this installation. MATLAB versions that are not older than this version can be used with this installation although this is not officially supported.	String	C#	public string LeastSupportedMatlabVersion64Bit { get; }
			Visual Basic	Public ReadOnly Property LeastSupportedMatlabVersion64Bit As String Get
Products	Gets a list of products that belong to this installation.	IEnumerable (Product)	C#	public IEnumerable<Product> Products { get; }
			Visual Basic	Public ReadOnly Property Products As IEnumerable(Of Product) Get
Release	Gets the dSPACE release that the installation was (first) published with.	String	C#	public string Release { get; }
			Visual Basic	Public ReadOnly Property Release As String Get
RootPath	Gets the root directory of the installation.	String	C#	public string RootPath { get; }
			Visual Basic	Public ReadOnly Property RootPath As String Get
SupportedMatlabVersions32Bit	Gets a list of MATLAB versions (32-bit) that are officially supported by this installation.	IEnumerable (String)	C#	public IEnumerable<string> SupportedMatlabVersions32Bit { get; }
			Visual Basic	Public ReadOnly Property SupportedMatlabVersions32Bit As

Name	Description	Type	Declaration	
				IEnumerable(Of String) Get
SupportedMatlabVersions64Bit	Gets a list of MATLAB versions (64-bit) that are officially supported by this installation.	IEnumerable (String)	C#	public IEnumerable<string> SupportedMatlabVersions64Bit { get; }
			Visual Basic	Public ReadOnly Property SupportedMatlabVersions64Bit As IEnumerable(Of String) Get
SupportsActivation	Gets a value indicating whether the installation can be activated and deactivated by the user.	Boolean	C#	public bool SupportsActivation { get; }
			Visual Basic	Public ReadOnly Property SupportsActivation As Boolean Get
TypeName	Gets the type name of the installation.	InstallationType	C#	public InstallationType TypeName { get; }
			Visual Basic	Public ReadOnly Property TypeName As InstallationType Get
Version	Gets the version of the installation.	String	C#	public string Version { get; }
			Visual Basic	Public ReadOnly Property Version As String Get

Exceptions

Name	Condition
InstallationManagerException	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.................................22
InstallationType Enumeration.................................65

InstallationConfig Class

Purpose

Provides information about a dSPACE installation, lets you activate/deactivate an installation and lets you decrypt the encrypted parts of the installed products.

Declaration

C#	`public class InstallationConfig : Installation`

Visual Basic	`Public Class InstallationConfig`
	`Inherits Installation`

Related namespace

dSPACE.InstallationManager.API.Internal

Constructors

The class has the following constructors:

<table>
<tr><th>Name</th><th colspan="4">Characteristics</th></tr>
<tr><td rowspan="6"><code>InstallationConfig</code></td><th colspan="2">Description</th><th colspan="2">Declaration</th></tr>
<tr><td colspan="2" rowspan="2">Initializes a new instance of the InstallationConfig class.</td><td>C#</td><td><code>public InstallationConfig(</code>
<code>ISessionManager</code>
<code>relevantSessionManager,</code>
<code>IInstallationSet</code>
<code>installationSet</code>
<code>)</code></td></tr>
<tr><td>Visual Basic</td><td><code>Public Sub New (</code>
<code>relevantSessionManager As</code>
<code>ISessionManager,</code>
<code>installationSet As</code>
<code>IInstallationSet</code>
<code>)</code></td></tr>
<tr><th>Parameter</th><th>Description</th><th colspan="2">Type</th></tr>
<tr><td><code>relevantSessionManager</code></td><td>The relevant version of the dSPACE Installation Manager.</td><td colspan="2">ISessionManager</td></tr>
<tr><td><code>installationSet</code></td><td>The relevant installation set.</td><td colspan="2">IInstallationSet</td></tr>
</table>

Methods

The class has the following methods:

Name	Description	Return Value	Type	Declaration	
`Activate`	Activates this installation. As a precondition, the installation must support being activated and deactivated.	–	–	C#	`public void Activate()`
				Visual Basic	`Public Sub Activate`
`Deactivate`	Deactivates this installation. As a precondition the installation must support being activated and deactivated.	–	–	C#	`public void Deactivate()`
				Visual Basic	`Public Sub Deactivate`

Name	Description	Return Value	Type	Declaration	
`DecryptEncryptedParts`	**Description**	**Return Value**	**Type**	**Declaration**	

	Decrypts the encrypted parts of the installed products.
	This method is only supported when the API runs in a 64-bit process.
		▪ True: All items have been successfully decrypted.
		▪ False: At least one item could not be decrypted.
			Boolean	C#	`public bool`
					`DecryptEncryptedParts(`
					`bool force`
					`)`

				Visual Basic	`Public Function`
					`DecryptEncryptedParts (`
					`force As Boolean`
					`) As Boolean`

	Parameter	**Description**	**Type**		
	`force`	To replace decrypted files with new files.	System.Boolean		
`Equals(Object)`	**Description**	**Return Value**	**Type**	**Declaration**	

	Determines whether the specified object is equal to this instance. Inherited from the Installation class.	▪ True: The specified object is equal to this instance.
		▪ False: The specified object is unequal to this instance.
			Boolean	C#	`public override bool`
					`Equals(`
					`Object obj`
					`)`

				Visual Basic	`Public Overrides`
					`Function Equals (`
					`obj As Object`
					`) As Boolean`

`Equals(Installation)`	Indicates whether the current object is equal to another object of the same type. Inherited from the Installation class.	▪ True: The specified object is equal to this object.
		▪ False: The specified object is unequal to this object.
			Boolean	C#	`public bool Equals(`
					`Installation other`
					`)`

				Visual Basic	`Public Function Equals (`
					`other As Installation`
					`) As Boolean`

`GetHashCode`	Returns a hash code for this instance. Inherited from the Installation class.	A hash code for this instance, suitable for use in hashing algorithms and data structures like a hash table.	Int32	C#	`public override int`
					`GetHashCode()`

				Visual Basic	`Public Overrides`
					`Function GetHashCode As`
					`Integer`

`ToString`	Returns the display name to represent this instance. Inherited from the Installation class.	DisplayName	String	C#	`public override string`
					`ToString()`

				Visual Basic	`Public Overrides`
					`Function ToString As`
					`String`

Exceptions

Name	Methods	Condition
`InstallationManagerException`	`Activate`	An error occurs, if the installation does not support being
	`Deactivate`	

Name	Methods	Condition
		activated and deactivated.
	`DecryptEncryptedParts`	An error occurs, if decryption is not possible, for example, when the API of dSPACE Installation Manager runs in a 32-bit process.

Properties

The class has the following properties:

Name	Description	Type	Declaration	
`Description`	Gets the description of the installation.	String	C#	`public string Description { get; }`
			Visual Basic	`Public ReadOnly Property Description As StringGet`
`DisplayName`	Gets the display name of the installation.	String	C#	`public string DisplayName { get; }`
			Visual Basic	`Public ReadOnly Property DisplayName As StringGet`
`Extensions`	Gets a list of extensions that are provided by this installation.	IEnumerable (Extension)	C#	`public IEnumerable<Extension> Extensions { get; }`
			Visual Basic	`Public ReadOnly Property Extensions As IEnumerable(Of Extension)Get`
`InstallationDate`	Gets information about when the installation was installed.	String	C#	`public string InstallationDate { get; }`
			Visual Basic	`Public ReadOnly Property InstallationDate As StringGet`
`InstallationUser`	Gets the user who installed the installation.	String	C#	`public string InstallationUser { get; }`
			Visual Basic	`Public ReadOnly Property InstallationUser As StringGet`
`Is64Bit`	Gets a value indicating whether this is a 64-bit installation.	Boolean	C#	`public bool Is64Bit { get; }`
			Visual Basic	`Public ReadOnly Property Is64Bit As BooleanGet`
`IsActive`	Gets a value indicating whether the installation is the active installation. The meaning of active depends	Boolean	C#	`public bool IsActive { get; }`
			Visual Basic	`Public ReadOnly Property IsActive As BooleanGet`

Name	Description	Type	Declaration	
	on the type of the installation (i.e., the product).			
`IsPrerelease`	Gets a value indicating whether this installation is a pre-released version.	Boolean	C#	`public bool IsPrerelease { get; }`
			Visual Basic	`Public ReadOnly Property IsPrerelease As BooleanGet`
`LeastSupportedMatlabVersion32Bit`	Gets the oldest supported MATLAB version (32-bit) of this installation. MATLAB versions that are not older than this version can be used with this installation although this is not officially supported.	String	C#	`public string LeastSupportedMatlabVersion32Bit { get; }`
			Visual Basic	`Public ReadOnly Property LeastSupportedMatlabVersion32Bit As StringGet`
`LeastSupportedMatlabVersion64Bit`	Gets the oldest supported MATLAB version (64-bit) of this installation. MATLAB versions that are not older than this version can be used with this installation although this is not officially supported.	String	C#	`public string LeastSupportedMatlabVersion64Bit { get; }`
			Visual Basic	`Public ReadOnly Property LeastSupportedMatlabVersion64Bit As StringGet`
`Products`	Gets a list of products that belong to this installation.	IEnumerable (Product)	C#	`public IEnumerable<Product> Products { get; }`
			Visual Basic	`Public ReadOnly Property Products As IEnumerable(Of Product)Get`
`Release`	Gets the dSPACE Release that the installation was (first) published with.	String	C#	`public string Release { get; }`
			Visual Basic	`Public ReadOnly Property Release As StringGet`
`RootPath`	Gets the root directory of the installation.	String	C#	`public string RootPath { get; }`
			Visual Basic	`Public ReadOnly Property RootPath As StringGet`

Name	Description	Type	Declaration	
`SupportedMatlabVersions32Bit`	Gets a list of MATLAB versions (32-bit) that are officially supported by this installation.	IEnumerable (String)	C#	`public IEnumerable<string> SupportedMatlabVersions32Bit { get; }`
			Visual Basic	`Public ReadOnly Property SupportedMatlabVersions32Bit As IEnumerable(Of String)Get`
`SupportedMatlabVersions64Bit`	Gets a list of MATLAB versions (64-bit) that are officially supported by this installation.	IEnumerable (String)	C#	`public IEnumerable<string> SupportedMatlabVersions64Bit { get; }`
			Visual Basic	`Public ReadOnly Property SupportedMatlabVersions64Bit As IEnumerable(Of String)Get`
`SupportsActivation`	Gets a value indicating whether the installation can be activated and deactivated by the user.	Boolean	C#	`public bool SupportsActivation { get; }`
			Visual Basic	`Public ReadOnly Property SupportsActivation As BooleanGet`
`TypeName`	Gets the type name of the installation.	InstallationType	C#	`public InstallationType TypeName { get; }`
			Visual Basic	`Public ReadOnly Property TypeName As InstallationTypeGet`
`Version`	Gets the version of the installation.	String	C#	`public string Version { get; }`
			Visual Basic	`Public ReadOnly Property Version As StringGet`

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.. 22

InstallationManagerException Class

Purpose

The exception that is thrown when an error occurs in the API of the dSPACE Installation Manager.

Declaration

C#	`[SerializableAttribute]`
	`public class InstallationManagerException : Exception`

Visual Basic	`<SerializableAttribute>`
	`Public Class InstallationManagerException`
	`Inherits Exception`

Related namespace

dSPACE.InstallationManager.API.Internal

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.. 22

MaintenanceExtension Class

Purpose

Provides information about a hotfix, a patch or a service pack for a dSPACE product.

Declaration

C#	`public class MaintenanceExtension`
Visual Basic	`Public Class MaintenanceExtension`

Related namespace

dSPACE.InstallationManager.API.Internal

Methods

The class has the following methods:

Name	Description	Return Value	Type	Declaration	
`ToString`	Returns the display name to represent this instance. Overrides Object.ToString().	DisplayName	String	C#	`public override string ToString()`
				Visual Basic	`Public Overrides Function ToString As String`

Properties

The class has the following properties:

Name	Description	Type	Declaration	
`DisplayName`	Gets the display name.	String	C#	`public string DisplayName { get; }`
			Visual Basic	`Public ReadOnly Property DisplayName As String Get`
`InstallationDate`	Gets the installation date of this maintenance extension.	String	C#	`public string InstallationDate { get; }`
			Visual Basic	`Public ReadOnly Property InstallationDate As String Get`
`InstallationUser`	Gets the user who installed this maintenance extension.	String	C#	`public string InstallationUser { get; }`
			Visual Basic	`Public ReadOnly Property InstallationUser As String Get`
`Kind`	Gets the kind of this maintenance extension (e.g., hotfix).	MaintenanceExtensionKind	C#	`public MaintenanceExtensionKind Kind { get; }`
			Visual Basic	`Public ReadOnly Property Kind As MaintenanceExtensionKind Get`
`Version`	Gets the version of this maintenance extension.	String	C#	`public string Version { get; }`
			Visual Basic	`Public ReadOnly Property Version As String Get`

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.. 22
MaintenanceExtensionKind Enumeration.. 67

Matlab Class

Purpose

Provides information about a MATLAB installation.

Declaration

C#	`public class Matlab : IEquatable<Matlab>`

Visual Basic	`Public Class Matlab`
	`Implements IEquatable(Of Matlab)`

Related namespace

dSPACE.InstallationManager.API.Internal

Methods

The class has the following methods:

Name	**Characteristics**				
`Equals(Object)`	**Description**	**Return Value**	**Type**	**Declaration**	

	Indicates whether the specified object is equal to this instance. Overrides `Object.Equals(Object)`.	▪ True: The specified object is equal to this instance.
		▪ False: The specified object is unequal to this instance.
			Boolean	C#	`public override bool Equals(`
					`Object obj`
					`)`

				Visual Basic	`Public Overrides Function Equals (`
					`obj As Object`
					`) As Boolean`

	Parameter	**Description**	**Type**		
	`obj`	The object to compare with this instance.	System.Object		
`Equals(Matlab)`	**Description**	**Return Value**	**Type**	**Declaration**	

	Indicates whether the current object is equal to another object of the same type.	▪ True: The specified object is equal to this object.
		▪ False: The specified object is
			Boolean	C#	`public bool Equals(`
					`Matlab other`
					`)`

				Visual Basic	`Public Function Equals (`
					`other As Matlab`
					`) As Boolean`

Name	Characteristics				
		unequal to this object.			
	Parameter	Description	Type		
	Other	The object to compare with this object.	dSPACE.InstallationManager.API.Internal.Installation		
	Implements				
	IEquatable<Of T> .Equals(T)				
GetHashCode	Description	Return Value	Type	Declaration	
	Returns a hash code for this instance . Overrides Object.GetHashCode().	A hash code for this instance, suitable for use in hashing algorithms and data structures like a hash table.	Int32	C#	public override int GetHashCode ()
				Visual Basic	Public Overrides Function GetHashCode As Integer
ToString	Description	Return Value	Type	Declaration	
	Returns the display name to represent this instance. Overrides Object.ToString().	DisplayName	String	C#	public override string ToString()
				Visual Basic	Public Overrides Function ToString As String

Properties

The class has the following properties:

Name	Description	Type	Declaration	
DisplayName	Gets the display name of the product.	String	C#	public string DisplayName { get; }
			Visual Basic	Public ReadOnly Property DisplayName As String Get
Is64Bit	Gets a value indicating whether this MATLAB installation is a 64-bit installation.	Boolean	C#	public bool Is64Bit { get; }
			Visual Basic	Public ReadOnly Property Is64Bit As Boolean Get
Release	Gets the MATLAB release this MATLAB installation belongs to.	String	C#	public string Release { get; }
			Visual Basic	Public ReadOnly Property Release As String Get
RootPath	Gets the root directory of this MATLAB installation.	String	C#	public string RootPath { get; }
			Visual Basic	Public ReadOnly Property RootPath As String Get

Name	Description	Type	Declaration	

`Version`	Gets the version of this MATLAB installation.	String	C#	`public string Version`
				`{ get; }`

			Visual Basic	`Public ReadOnly Property`
				`Version As String`
				`Get`

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.. 22

MatlabIntegration Class

Purpose

Represents an integration of a dSPACE installation into a MATLAB installation.

Declaration

C#	`public class MatlabIntegration :`
	`IEquatable<MatlabIntegration>`

Visual Basic	`Public Class MatlabIntegration`
	`Implements IEquatable(Of MatlabIntegration)`

Related namespace

dSPACE.InstallationManager.API.Internal

Methods

The class has the following methods:

Name	Characteristics				
`Equals(Object)`	**Description**	**Return Value**	**Type**	**Declaration**	

	Indicates whether the specified object is equal to this instance. Overrides `Object.Equals(Object)`.	▪ True: The specified object is equal to this instance.
		▪ False: The specified
			Boolean	C#	`public override bool`
					`Equals(`
					`Object obj`
					`)`

				Visual Basic	`Public Overrides`
					`Function Equals (`
					`obj As Object`
					`) As Boolean`

Name	Characteristics				
		object is unequal to this instance.			
	Parameter	**Description**	**Type**		
	`obj`	The object to compare with this instance.	System.Object		
`Equals(MatlabIntegration)`	**Description**	**Return Value**	**Type**	**Declaration**	

	Indicates whether the current object is equal to another object of the same type.	▪ True: The specified object is equal to this object.
		▪ False: The specified object is unequal to this object.
			Boolean	C#	`public bool Equals(`
					`MatlabIntegration`
					`other`
					`)`

				Visual Basic	`Public Function`
					`Equals (`
					`other As`
					`MatlabIntegration`
					`) As Boolean`

	Parameter	**Description**	**Type**		
	`Other`	The object to compare with this object.	dSPACE.InstallationManager.API.Internal.MatlabIntegration		
	Implements				
	`IEquatable(Of T).Equals(T)`				
`GetHashCode`	**Description**	**Return Value**	**Type**	**Declaration**	

	Returns a hash code for this instance . Overrides `Object.GetHashCode()`.	A hash code for this instance, suitable for use in hashing algorithms and data structures like a hash table.	Int32	C#	`public override int`
					`GetHashCode()`

				Visual Basic	`Public Overrides`
					`Function GetHashCode`
					`As Integer`

`ToString`	**Description**	**Return Value**	**Type**	**Declaration**	

	Returns the display name to represent this instance.	DisplayName	String	C#	`public override`
					`string ToString()`

Name	Characteristics				
	Overrides `Object.ToString()`.			Visual Basic	`Public Overrides Function ToString As String`

Properties

The class has the following properties:

Name	Description	Type	Declaration	
`DisplayName`	Gets the display name of this integration.	String	C#	`public string DisplayName { get; }`

			Visual Basic	`Public ReadOnly Property DisplayName As String`
				`Get`

`Installation`	Gets the dSPACE installation of this integration.	Installation	C#	`public Installation Installation { get; }`

			Visual Basic	`Public ReadOnly Property Installation As Installation`
				`Get`

`IsPreferred`	Gets a value indicating whether the MATLAB installation of this integration is the one that the dSPACE installation will use by default. True if the MATLAB installation is the preferred one, false otherwise.	Boolean	C#	`public bool IsPreferred { get; }`

			Visual Basic	`Public ReadOnly Property IsPreferred As Boolean`
				`Get`

`Matlab`	Gets the MATLAB installation of this integration.	Matlab	C#	`public Matlab Matlab { get; }`

			Visual Basic	`Public ReadOnly Property Matlab As Matlab`
				`Get`

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.. 22

MatlabIntegrationConfig Class

Purpose

Modifies an existing MATLAB integration (integration of dSPACE software into a specific MATLAB installation).

Declaration

C#	`public class MatlabIntegrationConfig : MatlabIntegration`
Visual Basic	`Public Class MatlabIntegrationConfig Inherits MatlabIntegration`

Related namespace

dSPACE.InstallationManager.API.Internal

Methods

The class has the following methods:

Name	Description	Return Value	Type	Declaration	
`Equals(Object)`	Indicates whether the specified object is equal to this instance.	▪ True: The specified object is equal to this instance. ▪ False: The specified object is unequal to this instance.	Boolean	C#	`public override bool Equals( Object obj )`
				Visual Basic	`Public Overrides Function Equals ( obj As Object ) As Boolean`
`Equals(MatlabIntegration)`	Indicates whether the specified object is equal to this object.	▪ True: The specified object is equal to this object. ▪ False: The specified object is unequal to this object.	Boolean	C#	`public bool Equals( MatlabIntegration other )`
				Visual Basic	`Public Function Equals ( other As MatlabIntegration ) As Boolean`
`GetHashCode`	Returns a hash code for this instance.	A hash code for this instance, suitable for use in hashing algorithms and data structures like a hash table.	Int32	C#	`public override int GetHashCode()`
				Visual Basic	`Public Overrides Function GetHashCode As Integer`
`SetAsPreferred`	Sets this integration as the preferred one.	–	–	C#	`public void SetAsPreferred()`
				Visual Basic	`Public Sub SetAsPreferred`

Name	Description	Return Value	Type	Declaration	
`ToString`	Returns the display name to represent this instance.	DisplayName	String	C#	`public override string ToString()`
				Visual Basic	`Public Overrides Function ToString As String`

Properties

The class has the following properties:

Name	Description	Type	Declaration	
`DisplayName`	Gets the display name of this integration.	String	C#	`public string DisplayName { get; }`
			Visual Basic	`Public ReadOnly Property DisplayName As String Get`
`Installation`	Gets the dSPACE installation of this integration.	Installation	C#	`public Installation Installation { get; }`
			Visual Basic	`Public ReadOnly Property Installation As Installation Get`
`IsPreferred`	Gets a value indicating whether the MATLAB installation of this integration is the one that the dSPACE installation will use by default (i.e., the preferred integration) .	Boolean	C#	`public bool IsPreferred { get; }`
			Visual Basic	`Public ReadOnly Property IsPreferred As Boolean Get`
`Matlab`	Gets the MATLAB installation of this integration.	Matlab	C#	`public Matlab Matlab { get; }`
			Visual Basic	`Public ReadOnly Property Matlab As Matlab Get`

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.. 22

MatlabIntegrationsConfig Class

Purpose

Provides information about MATLAB integrations and lets you add or remove MATLAB integrations to/from the dSPACE Installation Manager.

Declaration

C#	`public class MatlabIntegrationsConfig : IReadOnlyList, IReadOnlyCollection, IEnumerable<MatlabIntegrationConfig>, ICollection, IEnumerable`
Visual Basic	`Public Class MatlabIntegrationsConfig Implements IReadOnlyList, IReadOnlyCollection, IEnumerable(Of MatlabIntegrationConfig), ICollection, IEnumerable`

Related namespace

dSPACE.InstallationManager.API.Internal

Methods

The class has the following methods:

<table>
<tr><th>Name</th><th colspan="5">Characteristics</th></tr>
<tr><td rowspan="5">Add(MatlabIntegration)</td><td><b>Description</b></td><td><b>Return Value</b></td><td><b>Type</b></td><td colspan="2"><b>Declaration</b></td></tr>
<tr><td rowspan="2">Adds a new MATLAB integration according to the specified parameter.</td><td rowspan="2">–</td><td rowspan="2">–</td><td>C#</td><td>public void Add(
MatlabIntegration
matlabIntegration
)</td></tr>
<tr><td>Visual Basic</td><td>Public Sub Add (
matlabIntegration As
MatlabIntegration
)</td></tr>
<tr><td><b>Parameter</b></td><td><b>Description</b></td><td colspan="3"><b>Type</b></td></tr>
<tr><td>matlabIntegration</td><td>The MATLAB integration instance containing the relevant information.</td><td colspan="3">dSPACE.InstallationManager.API.Internal.MatlabIntegration</td></tr>
<tr><td rowspan="2">Add(String, String,Boolean)</td><td><b>Description</b></td><td><b>Return Value</b></td><td><b>Type</b></td><td colspan="2"><b>Declaration</b></td></tr>
<tr><td>Adds a new MATLAB integration according to the specified arguments. If the MATLAB integration already exists, nothing will be done.</td><td>–</td><td>–</td><td>C#</td><td>public void Add(
string
dspaceInstallationRoot,
string
matlabInstallationRoot,
bool</td></tr>
</table>

Name	Characteristics				
					shouldBePreferredIntegration)
				Visual Basic	Public Sub Add (dspaceInstallationRoot As String, matlabInstallationRoot As String, shouldBePreferredIntegration As Boolean)
	Parameter	**Description**	**Type**		
	dspaceInstallationRoot	The dSPACE installation root.	System.String		
	matlabInstallationRoot	The MATLAB installation root.	System.String		
	shouldBePreferredIntegration	Indicates whether the new integration is the preferred one.	System.Boolean		
Add(Installation, Matlab,Boolean)	**Description**	**Return Value**	**Type**	**Declaration**	
	Adds a new MATLAB integration according to the specified parameter.	–	–	C#	public void Add(Installation dspaceInstallation, Matlab matlabInstallation, bool shouldBePreferredIntegration)
				Visual Basic	Public Sub Add (dspaceInstallation As Installation, matlabInstallation As Matlab, shouldBePreferredIntegration As Boolean)
	Parameter	**Description**	**Type**		
	dspaceInstallation	The dSPACE installation.	dSPACE.InstallationManager.API.Internal.Installation		
	matlabInstallation	The MATLAB installation.	dSPACE.InstallationManager.API.Internal.Matlab		
	shouldBePreferredIntegration	Indicates whether the new integration should be the preferred one.	System.Boolean		

Name	Characteristics				
`CanAdd(String, String)`	**Description**	**Return Value**	**Type**	**Declaration**	
	Determines whether the specified dSPACE installation can be integrated into the specified MATLAB installation.	▪ True: Integration is possible. ▪ False: Integration is not possible.	Boolean	C#	`public bool CanAdd( string dspaceInstallationRoot, string matlabInstallationRoot )`
				Visual Basic	`Public Function CanAdd ( dspaceInstallationRoot As String, matlabInstallationRoot As String ) As Boolean`
	Parameter	**Description**	**Type**		
	`dspaceInstallationRoot`	The dSPACE installation root.	System.String		
	`matlabInstallationRoot`	The MATLAB installation root.	System.String		
`CanAdd(Installation, Matlab)`	**Description**	**Return Value**	**Type**	**Declaration**	
	Determines whether the specified dSPACE software installation can be integrated to the specified MATLAB installation.	▪ True: Integration is possible. ▪ False: Integration is not possible.	Boolean	C#	`public bool CanAdd( Installation dspaceInstallation, Matlab matlabInstallation )`
				Visual Basic	`Public Function CanAdd ( dspaceInstallation As Installation, matlabInstallation As Matlab ) As Boolean`
	Parameter	**Description**	**Type**		
	`dspaceInstallation`	The dSPACE installation.	dSPACE.InstallationManager.API.Internal.Installation		
	`matlabInstallation`	The MATLAB installation.	dSPACE.InstallationManager.API.Internal.Matlab		
`Contains(MatlabIntegration)`	**Description**	**Return Value**	**Type**	**Declaration**	
	Determines whether the MATLAB integration according to the specified argument exists.	▪ True: The integration exists. ▪ False: The integration does not exist.	Boolean	C#	`public bool Contains( MatlabIntegration matlabIntegration )`
				Visual Basic	`Public Function Contains ( matlabIntegration As MatlabIntegration ) As Boolean`
	Parameter	**Description**	**Type**		
	`matlabIntegration`	The MATLAB integration	dSPACE.InstallationManager.API.Internal.MatlabIntegration		

Name	Characteristics				
		instance containing the relevant information.			
`Contains(String, String)`	**Description**	**Return Value**	**Type**	**Declaration**	
	Determines whether the MATLAB integration corresponding to the specified arguments currently exists.	▪ True: The integration exists. ▪ False: The integration does not exist.	Boolean	C#	`public bool Contains( string dspaceInstallationRoot, string matlabInstallationRoot )`
				Visual Basic	`Public Function Contains ( dspaceInstallationRoot As String, matlabInstallationRoot As String ) As Boolean`
	Parameter	**Description**	**Type**		
	`dspaceInstallationRoot`	The dSPACE installation root.	System.String		
	`matlabInstallationRoot`	The MATLAB installation root.	System.String		
`CopyTo`	**Description**	**Return Value**	**Type**	**Declaration**	
	Copies the elements of the collection to an array, starting at a particular array index.	–	–	C#	`public void CopyTo( Array array,int index )`
				Visual Basic	`Public Sub CopyTo ( array As Array,index As Integer )`
	Parameter	**Description**	**Type**		
	`array`	The one-dimensional array that is the destination of the elements copied from the collection. The array must have zero-based indexing.	System.Array		
	`index`	The zero-based index in array at	System.Int32		

Name	Characteristics				
		which copying begins.			
	Implements				
	`ICollection.CopyTo(Array, Int32)`				
`Find(MatlabIntegration)`	**Description**	**Return Value**	**Type**	**Declaration**	

	Gets the MATLAB integration for the specified parameter if such a MATLAB integration exists.	The requested MATLAB integration instance or null if it does not exist.	MatlabIntegrationConfig	C#	`public`
					`MatlabIntegrationConfig`
					`Find(`
					`MatlabIntegration`
					`matlabIntegration`
					`)`

				Visual Basic	`Public Function Find (`
					`matlabIntegration As`
					`MatlabIntegration`
					`) As`
					`MatlabIntegrationConfig`

	Parameter	**Description**	**Type**		
	`matlabIntegration`	The MATLAB integration instance containing the relevant information.	dSPACE.InstallationManager.API.Internal.MatlabIntegration		
`Find(String, String)`	**Description**	**Return Value**	**Type**	**Declaration**	

	Gets the MATLAB integration for the specified parameters if such a MATLAB integration exists.	The requested MATLAB integration instance or null if it does not exist.	MatlabIntegrationConfig	C#	`public`
					`MatlabIntegrationConfig`
					`Find(`
					`string`
					`dspaceInstallationRoot,`
					`string`
					`matlabInstallationRoot`
					`)`

				Visual Basic	`Public Function Find (`
					`dspaceInstallationRoot As`
					`String,`
					`matlabInstallationRoot As`
					`String`
					`) As`
					`MatlabIntegrationConfig`

	Parameter	**Description**	**Type**		
	`dspaceInstallationRoot`	The dSPACE installation root.	System.String		
	`matlabInstallationRoot`	The MATLAB installation root.	System.String		
`GetEnumerator`	**Description**	**Return Value**	**Type**	**Declaration**	

	Returns an enumerator that iterates through the collection.	An `IEnumerator(Of T)` that	IEnumerator(Of MatlabIntegrationConfig)	C#	`public`
					`IEnumerator<MatlabIntegrationConfig> GetEnumerator()`

Name	Characteristics				
		can be used to iterate through the collection.		Visual Basic	`Public Function GetEnumerator As IEnumerator(Of MatlabIntegrationConfig)`
	Implements				
	`IEnumerable(Of T).GetEnumerator`				
`GetMatlabVersionSupport(String, String)`	**Description**	**Return Value**	**Type**	**Declaration**	
	Gets a value indicating whether the specified dSPACE installation can be integrated into the version of the specified MATLAB installation.	The requested value.	MatlabVersionSupport	C#	`public MatlabVersionSupport GetMatlabVersionSupport( string dspaceInstallationRoot, string matlabInstallationRoot )`
				Visual Basic	`Public Function GetMatlabVersionSupport ( dspaceInstallationRoot As String, matlabInstallationRoot As String ) As MatlabVersionSupport`
	Parameter	**Description**	**Type**		
	`dspaceInstallationRoot`	The dSPACE installation root.	System.String		
	`matlabInstallationRoot`	The MATLAB installation root.	System.String		
`GetMatlabVersionSupport(Installation, Matlab)`	**Description**	**Return Value**	**Type**	**Declaration**	
	Gets a value indicating whether the specified dSPACE installation can be integrated into the version of the specified MATLAB installation.	The requested value.	MatlabVersionSupport	C#	`public MatlabVersionSupport GetMatlabVersionSupport( Installation dspaceInstallation, Matlab matlabInstallation )`
				Visual Basic	`Public Function GetMatlabVersionSupport ( dspaceInstallation As Installation, matlabInstallation As Matlab ) As MatlabVersionSupport`
	Parameter	**Description**	**Type**		
	`dspaceInstallation`	The dSPACE installation.	dSPACE.InstallationManager.API.Internal.Installation		
	`matlabInstallation`	The MATLAB installation.	dSPACE.InstallationManager.API.Internal.Matlab		

Name	Characteristics				
Remove(MatlabIntegration)	**Description**	**Return Value**	**Type**	**Declaration**	
	Removes the MATLAB integration that corresponds to the specified argument. If the MATLAB integration does not exists, nothing will be done.	–	–	C#	public void Remove(MatlabIntegration matlabIntegration)
				Visual Basic	Public Sub Remove (matlabIntegration As MatlabIntegration)
	Parameter	**Description**	**Type**		
	matlabIntegration	The MatlabIntegration instance containing the relevant information.	dSPACE.InstallationManager.API.Internal.MatlabIntegration		
Remove(String, String)	**Description**	**Return Value**	**Type**	**Declaration**	
	Removes the MATLAB integration that corresponds to the specified arguments. If the MATLAB integration does not exists, nothing will be done.	–	–	C#	public void Remove(string dspaceInstallationRoot, string matlabInstallationRoot)
				Visual Basic	Public Sub Remove (dspaceInstallationRoot As String, matlabInstallationRoot As String)
	Parameter	**Description**	**Type**		
	dspaceInstallationRoot	The dSPACE installation root.	System.String		
	matlabInstallationRoot	The MATLAB installation root.	System.String		
Remove(Installation,Matlab)	**Description**	**Return Value**	**Type**	**Declaration**	
	Removes the MATLAB integration that corresponds to the specified parameters. If the MATLAB integration does not exists, nothing will be done.	–	–	C#	public void Remove(Installation dspaceInstallation, Matlab matlabInstallation)
				Visual Basic	Public Sub Remove (dspaceInstallation As Installation, matlabInstallation As

Name	Characteristics				

					`Matlab`
					`)`

	Parameter	**Description**	**Type**		
	`dspaceInstallation`	The dSPACE installation.	dSPACE.InstallationManager.API.Internal.Installation		
	`matlabInstallation`	The MATLAB installation.	dSPACE.InstallationManager.API.Internal.Matlab		
`RemoveAll`	**Description**	**Return Value**	**Type**	**Declaration**	
	Removes all existing MATLAB integrations.	–	–	C#	`public void RemoveAll()`
				Visual Basic	`Public Sub RemoveAll`

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Properties

The class has the following properties:

Name					
`Count`	**Description**	**Return Value**	**Type**	**Declaration**	
	Gets the number of elements in the collection.	The number of elements in the collection.	Int32	C#	`public int Count { get; }`
				Visual Basic	`Public ReadOnly Property Count As Integer Get`
	Implements				
	`ICollection.Count`				
`IsSynchronized`	**Description**	**Return Value**	**Type**	**Declaration**	
	Gets a value indicating whether access to the collection is synchronized (thread safe).	▪ True: Access to the `ICollection` is synchronized (thread safe). ▪ False: Access to the `ICollection` is	Boolean	C#	`public bool IsSynchronized { get; }`
				Visual Basic	`Public ReadOnly Property IsSynchronized As Boolean Get`

Name					
		not synchronized.			
	Implements				
	`ICollection.IsSynchronized`				
`Item`	**Description**	**Return Value**	**Type**	**Declaration**	
	Gets the element at the specified index in the read-only list.	The requested element.	MatlabIntegrationConfig	C#	`public MatlabIntegrationConfig this[int index] { get; }`
				Visual Basic	`Public ReadOnly Default Property Item ( index As Integer) As MatlabIntegrationConfig Get`
	Parameter	**Description**	**Type**		
	`index`	The index.	System.Int32		
`SyncRoot`	**Description**	**Return Value**	**Type**	**Declaration**	
	Gets an object that can be used to synchronize access to the collection.	An object that can be used to synchronize access to the collection.	Object	C#	`public Object SyncRoot { get; }`
				Visual Basic	`Public ReadOnly Property SyncRoot As Object Get`
	Implements				
	`ICollection.SyncRoot`				

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.. 22

Product Class

Purpose

Provides information about a dSPACE product.

Declaration

C#	`public class Product`
Visual Basic	`Public Class Product`

Related namespace dSPACE.InstallationManager.API.Internal

Methods The class has the following methods:

Name	Description	Return Value	Type	Declaration	
`ToString`	Returns the display name to represent this instance. Overrides `Object.ToString()`.	DisplayName	String	C#	`public override string ToString()`
				Visual Basic	`Public Overrides Function ToString As String`

Properties The class has the following properties.

Name	Description	Type	Declaration	
`CompatibleExtensions`	Gets a list of available extensions that can be used by this product.	ReadOnlyCollection (Extension)	C#	`public ReadOnlyCollection<Extension> CompatibleExtensions { get; }`

			Visual Basic	`Public ReadOnly Property CompatibleExtensions As ReadOnlyCollection(Of Extension)`
				`Get`

`Description`	Gets the description of the product.	String	C#	`public string Description { get; }`

			Visual Basic	`Public ReadOnly Property Description As String`
				`Get`

`DisplayName`	Gets the display name of the product.	String	C#	`public string DisplayName { get; }`

			Visual Basic	`Public ReadOnly Property DisplayName As String`
				`Get`

`InstallationDate`	Gets the installation date of this maintenance extension.	String	C#	`public string InstallationDate { get; }`

			Visual Basic	`Public ReadOnly Property InstallationDate As String`
				`Get`

`InstallationUser`	Gets the user who installed this product.	String	C#	`public string InstallationUser { get; }`

			Visual Basic	`Public ReadOnly Property InstallationUser As String`
				`Get`

`MaintenanceExtensions`	Gets a list of maintenance extensions that belong to this product.	ReadOnlyCollection (MaintenanceExtension)	C#	`public ReadOnlyCollection<MaintenanceExtension> MaintenanceExtensions { get; }`

			Visual Basic	`Public ReadOnly Property MaintenanceExtensions As ReadOnlyCollection(Of MaintenanceExtension)`
				`Get`

Name	Description	Type	Declaration	
`UniqueName`	Gets the unique name that identifies this product.	String	C#	`public string UniqueName { get; }`

			Visual Basic	`Public ReadOnly Property UniqueName As String`
				`Get`

`Version`	Gets the version of this product.	String	C#	`public string Version { get; }`

			Visual Basic	`Public ReadOnly Property Version As String`
				`Get`

Exceptions

Name	Condition
`InstallationManagerException`	Any error that occurs in the API.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace.. 22

Enumerations

Where to go from here

Information in this section

InstallationType Enumeration

Purpose

Represents the type name of dSPACE installations.

Declaration

C#	`public enum InstallationType`
Visual Basic	`Public Enumeration InstallationType`

Related namespace

dSPACE.InstallationManager.API.Internal

Enumeration values

The enumeration has the following values:

Value	Name	Description
0	Unknown	An unknown installation type
1	General	A utility or a base installation
2	Solution	A solution installation
3	dSPACEReleaseClassic	An installation released before dSPACE Release 2010-B
4	RCP_HIL	An RCP and HIL software installation
5	TargetLink	A TargetLink installation
6	ModelCompare	A Model Compare installation
7	TargetLinkBlocksetStandalone	A (stand-alone) TargetLink Blockset installation
8	SystemDesk	A SystemDesk installation
9	ControlDesk	A ControlDesk installation
10	RealTimeTesting	A Real-Time Testing installation
11	PythonExtensions	A dSPACE Python Extension installation
12	AutomationDesk	An AutomationDesk installation
13	HIL_XIL_APIDotNet	A dSPACE HIL API .NET and XIL API .NET installation
14	SYNECT	A SYNECT installation
15	VEOS	A VEOS installation
16	FirmwareArchives	A dSPACE Firmware Archives installation
17	FirmwareManager	A dSPACE Firmware Manager installation.
18	MCD3Client	A MCD3 client installation
19	SYNECTServer	A SYNECT server installation
20	SYNECTTestExecutor	A SYNECT test executor installation
21	VariableEditor	A Variable Editor installation
22	SensorSim	A Sensor Simulation installation
23	SYNECTLicenseServer	A SYNECT license server installation
24	ConfigurationDeskRapidPro	A ConfigurationDesk for RapidPro installation
25	MotionDesk	A MotionDesk installation
26	VEOSAutosarAdaptivePlatform	A VEOS AUTOSAR Adaptive Platform installation
27	dSPACEAutosarCompare	A dSPACE AUTOSAR Compare installation

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace........ 22
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MaintenanceExtensionKind Enumeration

Purpose

Represents the kind of a maintenance extension (hotfix, patch or service pack).

Declaration

C#	`public enum MaintenanceExtensionKind`
Visual Basic	`Public Enumeration MaintenanceExtensionKind`

Namespace

dSPACE.InstallationManager.API.Internal

Enumeration values

The enumeration has the following values:

Value	Name	Description
0	Undefined	An undefined maintenance extension
1	Hotfix	A hotfix
2	Patch	A patch
3	ServicePack	A service pack

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace........ 22
Installation Class........ 35
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MatlabVersionSupport Enumeration

Purpose

Specifies whether a dSPACE installation can be integrated into a specifc MATLAB software version.

Declaration

C#	`public enum MatlabVersionSupport`
Visual Basic	`Public Enumeration MatlabVersionSupport`

Namespace

dSPACE.InstallationManager.API.Internal

Enumeration values

The enumeration has the following values:

Value	Name	Description
0	NotSupported	The dSPACE installation cannot be integrated into the MATLAB software version.
1	NotOfficiallySupported	The dSPACE installation can be integrated into the MATLAB software version, although this MATLAB version is not officially supported.
2	Supported	The dSPACE installation can be integrated into the MATLAB software version. This MATLAB version is officially supported.

Related topics

References

dSPACE.InstallationManager.API.Internal Namespace... 22

ReportContent Enumeration

Purpose

Indicates which scope of the diagnostic information you want to collect and save to a ZIP file.

Declaration

C#	`public enum ReportContent`
Visual Basic	`Public Enumeration ReportContent`

Related namespace

dSPACE.InstallationManager.API.Internal

Enumeration values

The enumeration has the following values:

Value	Name	Description
0	Basic	Only the diagnostic information in the Basic General Information group is collected and saved to the ZIP file.
1	Extended	Diagnostic information in the Basic General Information group and in the Extended General Information group is collected and saved to the ZIP file.
2	All	All relevant diagnostic information is collected and saved to the ZIP file. This includes diagnostic information in the Basic General Information group, in the Extended General Information groups and the relevant diagnostic information of all available dSPACE installations on your PC.

Related topics

References

Diagnostics Class...29
dSPACE.InstallationManager.API.Internal Namespace..22