🏠   WiX managed SDK   WixToolset.Dtf.WindowsInstaller namespace   ComponentInstallation Class

ComponentInstallation Class

Represents an instance of a registered component.

Methods

Method	Description
Components()	Gets the set of installed components for products in the indicated context.

Properties

Property	Description
AllComponents	Gets the set of installed components for all products.
ClientProducts	Gets all client products of a specified component.
ComponentCode	Gets the component code (GUID) of the component.

Property	Description
Path	Gets the full path to an installed component. If the key path for the component is a registry key then the registry key is returned.
Qualifiers	Gets the set of registered qualifiers for the component.
State	Gets the installed state of a component.

`WixToolset.Dtf.WindowsInstaller.dll` version `4.0.2+644ed0118bae1aa885bb6cc906dc6c0b904de4d9`

Components() Method

Gets the set of installed components for products in the indicated context.

Declaration

```
public static IEnumerable<WixToolset.Dtf.WindowsInstaller.ComponentInstallation> Components()
```

Remarks

Win32 MSI API: MsiEnumComponentsEx

Exceptions

Exception	Description
T:WixToolset.Dtf.WindowsInstaller.InstallerException	The installer configuration data is corrupt

AllComponents Property

Gets the set of installed components for all products.

Declaration

```
public static IEnumerable<WixToolset.Dtf.WindowsInstaller.ComponentInstallation> AllComponents { get; set;
}
```

Remarks

Win32 MSI API: MsiEnumComponents

Exceptions

Exception	Description
T:WixToolset.Dtf.WindowsInstaller.InstallerException	The installer configuration data is corrupt

ClientProducts Property

Gets all client products of a specified component.

Declaration

```
public IEnumerable<WixToolset.Dtf.WindowsInstaller.ProductInstallation> ClientProducts { get; set; }
```

Remarks

Because clients are not ordered, any new component has an arbitrary index. This means that the property may return clients in any order. Win32 MSI API: MsiEnumClients , MsiEnumClientsEx

Exceptions

Exception	Description
T:WixToolset.Dtf.WindowsInstaller.InstallerException	The installer configuration data is corrupt

ComponentCode Property

Gets the component code (GUID) of the component.

Declaration

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

Path Property

Gets the full path to an installed component. If the key path for the component is a registry key then the registry key is returned.

Declaration

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

Remarks

If the component is a registry key, the registry roots are represented numerically. For example, a registry path of "HKEY_CURRENT_USER\SOFTWARE\Microsoft" would be returned as "01:\SOFTWARE\Microsoft". The registry roots returned are defined as follows: HKEY_CLASSES_ROOT=00, HKEY_CURRENT_USER=01, HKEY_LOCAL_MACHINE=02, HKEY_USERS=03, HKEY_PERFORMANCE_DATA=04 Win32 MSI APIs: MsiGetComponentPath , MsiGetComponentPathEx , MsiLocateComponent

Exceptions

Exception	Description

Exception	Description
T:System.ArgumentException	An unknown product or component was specified
T:WixToolset.Dtf.WindowsInstaller.InstallerException	The installer configuration data is corrupt

Qualifiers Property

Gets the set of registered qualifiers for the component.

Declaration

```
public IEnumerable<WixToolset.Dtf.WindowsInstaller.ComponentInstallation+Qualifier> Qualifiers { get; set;
}
```

Remarks

Because qualifiers are not ordered, any new qualifier has an arbitrary index, meaning the function can return qualifiers in any order.

Win32 MSI API: MsiEnumComponentQualifiers

Exceptions

Exception	Description

Exception	Description
T:WixToolset.Dtf.WindowsInstaller.InstallerException	The installer configuration data is corrupt

State Property

Gets the installed state of a component.

Declaration

```
public InstallState State { get; set; }
```

Remarks

Win32 MSI API: MsiGetComponentPath , MsiGetComponentPathEx