



WiX managed SDK

WixToolset.Dtf.WindowsInstaller.Package namespace

PatchPackage Class

PatchPackage Class

Provides access to convenient properties and operations on a patch package (.MSP).

Methods

Method	Description
<code>ExtractTransform(transform, extractFile)</code>	Extracts a transform (.MST) from a patch package.
<code>GetReplacedPatchCodes()</code>	Gets the list of patch codes that are replaced by this patch package.
<code>GetTargetProductCodes()</code>	Gets the list of product codes of products targeted by this patch package.
<code>GetTransformInfo(transform)</code>	Gets information about a transforms included in the patch package.
<code>GetTransforms()</code>	Gets the names of the transforms included in the patch package.
<code>GetTransforms(includeSpecialTransforms)</code>	Gets the names of the transforms included in the patch package.
<code>GetTransformsInfo()</code>	Gets information about the transforms included in the patch package.

Method	Description
<code>GetTransformsInfo(includeSpecialTransforms)</code>	Gets information about the transforms included in the patch package.
<code>GetValidTransforms(installPackage)</code>	Analyzes the transforms included in the patch package to find the ones that are applicable to an install package.
<code>LogMessage(format, args)</code>	Sends a message to the «see E:WixToolset.Dtf.WindowsInstaller.Package.PatchPackage.Message» event- handler.

Properties

Property	Description
<code>PatchCode</code>	Gets the patch code (GUID) of the patch package.

Events

Event	Description
<code>Message</code>	Handle this event to receive status messages when operations are performed on the patch package.

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ExtractTransform(transform, extractFile) Method

Extracts a transform (.MST) from a patch package.

Declaration

```
public void ExtractTransform(  
    string transform,  
    string extractFile  
)
```

Parameters

Parameter	Type	Description
transform	string	Name of the transform to extract; this may optionally be a special transform prefixed by "#"
extractFile	string	Location where the transform will be extracted

GetReplacedPatchCodes() Method

Gets the list of patch codes that are replaced by this patch package.

Declaration

```
public System.String[] GetReplacedPatchCodes()
```

Return value

`System.String[]` Array of replaced patch codes (GUIDs)

Remarks

The list of replaced patch codes is stored in the RevisionNumber field of the patch summary information.

GetTargetProductCodes() Method

Gets the list of product codes of products targeted by this patch package.

Declaration

```
public System.String[] GetTargetProductCodes()
```

Return value

`System.String[]` Array of product codes (GUIDs)

Remarks

The list of target product codes is stored in the Template field of the patch summary information.

GetTransformInfo(transform) Method

Gets information about a transforms included in the patch package.

Declaration

```
public TransformInfo GetTransformInfo(  
    string transform  
)
```

Parameters

Parameter	Type	Description
transform	string	Name of the transform to extract; this may optionally be a special transform prefixed by "#"

Return value

`TransformInfo` Information about the transform

GetTransforms() Method

Gets the names of the transforms included in the patch package.

Declaration

```
public System.String[] GetTransforms()
```

Return value

`System.String[]` Array of transform names

Remarks

The returned list does not include the "patch special transforms" that are prefixed with "#". The list of transform names is stored in the `LastSavedBy` field of the patch summary information.

GetTransforms(includeSpecialTransforms) Method

Gets the names of the transforms included in the patch package.

Declaration

```
public System.String[] GetTransforms(
```

```
bool includeSpecialTransforms  
)
```

Parameters

Parameter	Type	Description
includeSpecialTransforms	bool	Specifies whether to include the "patch special transforms" that are prefixed with "#"

Return value

`System.String[]` Array of transform names

Remarks

The list of transform names is stored in the LastSavedBy field of the patch summary information.

GetTransformsInfo() Method

Gets information about the transforms included in the patch package.

Declaration

```
public TransformInfo[] GetTransformsInfo()
```

Return value

`TransformInfo[]` Array containing information about each transform

Remarks

The returned info does not include the "patch special transforms" that are prefixed with "#"

GetTransformsInfo(includeSpecialTransforms) Method

Gets information about the transforms included in the patch package.

Declaration

```
public TransformInfo[] GetTransformsInfo(  
    bool includeSpecialTransforms  
)
```

Parameters

Parameter	Type	Description
includeSpecialTransforms	bool	Specifies whether to include the "patch special transforms" that are prefixed with "#"

Return value

`TransformInfo[]` Array containing information about each transform

GetValidTransforms(installPackage) Method

Analyzes the transforms included in the patch package to find the ones that are applicable to an install package.

Declaration

```
public System.String[] GetValidTransforms(  
    InstallPackage installPackage  
)
```

Parameters

Parameter	Type	Description
installPackage	InstallPackage	The install package to validate the transforms against

Return value

`System.String[]` Array of valid transform names

Remarks

The returned list does not include the "patch special transforms" that are prefixed with "#". If a transform is valid, then its corresponding special transform is assumed to be valid as well.

LogMessage(format, args) Method

Sends a message to the «see `E:WixToolset.Dtf.WindowsInstaller.Package.PatchPackage.Message`» event-handler.

Declaration

```
protected void LogMessage(  
    string format,  
    System.Object[] args  
)
```

Parameters

Parameter	Type	Description
format	string	Message string, containing 0 or more format items
args	System.Object[]	Items to be formatted

PatchCode Property

Gets the patch code (GUID) of the patch package.

Declaration

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

Remarks

The patch code is stored in the RevisionNumber field of the patch summary information.

Message Event

Handle this event to receive status messages when operations are performed on the patch package.

Declaration

```
public InstallPackageMessageHandler Message
```

Value

```
InstallPackageMessageHandler
```