



InstallerHandle Class

Base class for Windows Installer handle types (Database, View, Record, SummaryInfo).

Methods

Method	Description
<code>Close()</code>	Closes the handle. After closing a handle, further method calls may throw an «see <code>T:WixToolset.Dtf.WindowsInstaller.InvalidHandleException</code> » .
<code>Dispose()</code>	Closes the handle. After closing a handle, further method calls may throw an «see <code>T:WixToolset.Dtf.WindowsInstaller.InvalidHandleException</code> » .
<code>Dispose(disposing)</code>	Closes the handle. After closing a handle, further method calls may throw an «see <code>T:WixToolset.Dtf.WindowsInstaller.InvalidHandleException</code> » .
<code>Equals(obj)</code>	Tests whether this handle object is equal to another handle object. Two handle objects are equal if their types are the same and their native integer handles are the same.
<code>GetHashCode()</code>	Gets a hash value for the handle object.

Properties

Property	Description
Handle	Gets the native integer handle.
IsClosed	Checks if the handle is closed. When closed, method calls on the handle object may throw an «see T:WixToolset.Dtf.WindowsInstaller.InvalidHandleException» .

Remarks

These classes implement the «see T:System.IDisposable» interface, because they hold unmanaged resources (MSI handles) that should be properly disposed when no longer needed.

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Close() Method

Closes the handle. After closing a handle, further method calls may throw an «see T:WixToolset.Dtf.WindowsInstaller.InvalidHandleException» .

Declaration

```
public void Close()
```

Remarks

The finalizer of this class will NOT close the handle if it is still open, because finalization can run on a separate thread from the application, resulting in potential problems if handles are closed from that thread. It is best that the handle be closed manually as soon as it is no longer needed, as leaving lots of unused handles open can degrade performance. This method is merely an alias for the «see M:WixToolset.Dtf.WindowsInstaller.InstallerHandle.Dispose» method. Win32 MSI API: [MsiCloseHandle](#)

Dispose() Method

Closes the handle. After closing a handle, further method calls may throw an «see T:WixToolset.Dtf.WindowsInstaller.InvalidHandleException» .

Declaration

```
public void Dispose()
```

Remarks

The finalizer of this class will NOT close the handle if it is still open, because finalization can run on a separate thread from the application, resulting in potential problems if handles are closed from that thread. It is best that the handle be closed manually as soon as it is no longer needed, as leaving lots of unused handles open can degrade performance. Win32 MSI API: [MsiCloseHandle](#)

See also

- M:WixToolset.Dtf.WindowsInstaller.InstallerHandle.Close

Dispose(disposing) Method

Closes the handle. After closing a handle, further method calls may throw an «see T:WixToolset.Dtf.WindowsInstaller.InvalidHandleException» .

Declaration

```
protected void Dispose(  
    bool disposing  
)
```

Parameters

Parameter	Type	Description
disposing	bool	If true, the method has been called directly or indirectly by a user's code, so managed and unmanaged resources will be disposed. If false, the method has been called by the runtime from inside the finalizer, and only unmanaged resources will be disposed.

Equals(obj) Method

Tests whether this handle object is equal to another handle object. Two handle objects are equal if their types are the same and their native integer handles are the same.

Declaration

```
public bool Equals(  
    System.Object obj  
)
```

Parameters

Parameter	Type	Description
obj	System.Object	The handle object to compare with the current handle object.

Return value

`bool` true if the specified handle object is equal to the current handle object; otherwise false

GetHashCode() Method

Gets a hash value for the handle object.

Declaration

```
public int GetHashCode()
```

Return value

`int` A hash code for the handle object.

Remarks

The hash code is derived from the native integer handle.

Handle Property

Gets the native integer handle.

Declaration

```
public IntPtr Handle { get; set; }
```

IsClosed Property

Checks if the handle is closed. When closed, method calls on the handle object may throw an «see `T:WixToolset.Dtf.WindowsInstaller.InvalidHandleException`» .

Declaration

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