

# Namespace FireBlade.WinInteropUtils

## Classes

### [DefaultWindowLongPtrValues](#)

Defines default index values for [SetWindowLongPtr\(nint, int, nint\)](#) and [GetWindowLongPtr\(nint, int\)](#).

### [EnumExtensions](#)

Provides extension methods for [Enum](#).

### [ExceptionExtensions](#)

Provides extension methods for [Exception](#).

### [IconExtensions](#)

Adds extension methods to the [Icon](#) class.

### [Macros](#)

Defines Win32 macros.

### [Shell32](#)

Declares P/Invoke functions from [Shell32.dll](#).

### [TitleBarInfo](#)

Stores data about a window's title bar.

### [User32](#)

Declares P/Invoke functions from [User32.dll](#).

### [Win32Constants](#)

Defines common Win32 constants.

### [WindowsFile](#)

Stores data about a Windows file.

## Structs

### [Shell32.SHFILEINFO](#)

The internal Windows API struct for [SHGetFileInfoW\(string, uint, ref SHFILEINFO, uint, uint\)](#). Use with [GetFileInfoEx\(string, WindowsFileAttributes, SHGetFileInfoFlags, ref SHFILEINFO\)](#).

## Enums

### [HRESULT](#)

Defines common HRESULT values. Values starting with [S\\_](#) indicate success, while those starting with [E\\_](#) indicate an error.

## [Shell32.SHGetFileInfoFlags](#)

Provides flags for the Windows API function [SHGetFileInfoW\(string, uint, ref SHFILEINFO, uint, uint\)](#).  
To use this function, call the [GetFileInfoEx\(string, WindowsFileAttributes, SHGetFileInfoFlags, ref SHFILEINFO\)](#) wrapper instead.

## [TitleBarElement](#)

Defines elements on a title bar.

## [TitleBarElementState](#)

Defines the states of a title bar element.

## [Win32ErrorCode](#)

Defines Win32 error codes.

## [WindowState](#)

Defines states a window can be in.

## [WindowsFileAttributes](#)

Specifies attributes for Windows files.

# Class DefaultWindowLongPtrValues

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Defines default index values for [SetWindowLongPtr\(nint, int, nint\)](#) and [GetWindowLongPtr\(nint, int\)](#).

```
public static class DefaultWindowLongPtrValues
```

## Inheritance

[object](#) ← DefaultWindowLongPtrValues

## Inherited Members

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

## Fields

### AppHInstance

Gets or sets a new application instance handle. (GWLP\_HINSTANCE)

```
public const int AppHInstance = -6
```

#### Field Value

[int](#)

### ExStyle

Gets or sets a new extended window style. (GWL\_EXSTYLE)

```
public const int ExStyle = -20
```

#### Field Value

[int↗](#)

## HWNDParent

Gets or sets a new owner for a top-level window. (GWLP\_HWNDPARENT)

```
public const int HWNDParent = -8
```

### Field Value

[int↗](#)

## ID

Gets or sets a new identifier of the child window. The window cannot be a top-level window. (GWLP\_ID)

```
public const int ID = -12
```

### Field Value

[int↗](#)

## MessageResult

Gets or sets the return value of a message processed in the dialog box procedure. (DWLP\_MSGRESULT)

```
public const int MessageResult = 0
```

### Field Value

[int↗](#)

## Style

Gets or sets a new [window style↗](#). (GWL\_STYLE)

```
public const int Style = -16
```

Field Value

[int↗](#)

## UserData

Gets or sets the user data associated with the window. This data is intended for use by the application that created the window. Its value is initially zero. (GWLP\_USERDATA)

```
public const int UserData = -21
```

Field Value

[int↗](#)

## WndProc

Gets or sets a new address for the window procedure. (GWLP\_WNDPROC)

```
public const int WndProc = -4
```

Field Value

[int↗](#)

# Class EnumExtensions

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Provides extension methods for [Enum](#).

```
public static class EnumExtensions
```

## Inheritance

[object](#) ← EnumExtensions

## Inherited Members

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

# Methods

## GetValues(Enum)

Gets a list of values that were combined for an enum with the [\[Flags\] attribute](#).

```
public static IEnumerable<Enum> GetValues(this Enum e)
```

### Parameters

e [Enum](#)

The enum.

### Returns

[IEnumerable](#) <[Enum](#)>

The list of combined values that were making up the Enum.

# Class ExceptionExtensions

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Provides extension methods for [Exception](#).

```
public static class ExceptionExtensions
```

## Inheritance

[object](#) ← ExceptionExtensions

## Inherited Members

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

## Methods

### ToHRESULT(Exception)

Converts this [Exception](#) to a [HRESULT](#).

```
public static HRESULT ToHRESULT(this Exception ex)
```

#### Parameters

ex [Exception](#)

The exception.

#### Returns

[HRESULT](#)

The [HRESULT](#) created from the [Exception](#) ex.

# Enum HRESULT

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Defines common HRESULT values. Values starting with **S\_** indicate success, while those starting with **E\_** indicate an error.

```
public enum HRESULT
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#)

## Fields

**CACHE\_E\_NOCACHE\_UPDATED** = -2147221136

Cache not updated.

**CACHE\_S\_FORMATETC\_NOTSUPPORTED** = 262512

FORMATETC not supported.

**CACHE\_S\_SAMECACHE** = 262513

Same cache.

**CACHE\_S\_SOMEYCACHES\_NOTUPDATED** = 262514

Some caches are not updated.

**CAT\_E\_CATIDNOEXIST** = -2147221152

CATID does not exist.

**CAT\_E\_NODESCRIPTION** = -2147221151

Description not found.

**CERTSRV\_E\_ALIGNMENT\_FAULT** = -2146877424

A memory reference caused a data alignment fault.

**CERTSRV\_E\_ARCHIVED\_KEY\_REQUIRED = -2146875388**

The request is missing a required private key for archival by the server.

**CERTSRV\_E\_ARCHIVED\_KEY\_UNEXPECTED = -2146875376**

The request includes a private key for archival by the server, but key archival is not enabled for the specified certificate template.

**CERTSRV\_E\_BAD\_RENEWAL\_CERT\_ATTRIBUTE = -2146877426**

The request contains an invalid renewal certificate attribute.

**CERTSRV\_E\_BAD\_RENEWAL SUBJECT = -2146875386**

The request was made on behalf of a subject other than the caller. The certificate template must be configured to require at least one signature to authorize the request.

**CERTSRV\_E\_BAD\_REQUESTSTATUS = -2146877437**

The request's current status does not allow this operation.

**CERTSRV\_E\_BAD\_REQUESTSUBJECT = -2146877439**

The request subject name is invalid or too long.

**CERTSRV\_E\_BAD\_REQUEST\_KEY\_ARCHIVAL = -2146877428**

The request is incorrectly formatted. The encrypted private key must be in an unauthenticated attribute in an outermost signature.

**CERTSRV\_E\_BAD\_TEMPLATE\_VERSION = -2146875385**

The request template version is newer than the supported template version.

**CERTSRV\_E\_CERT\_TYPE\_OVERLAP = -2146875372**

The certificate template renewal period is longer than the certificate validity period. The template should be reconfigured or the CA certificate renewed.

**CERTSRV\_E\_DOWNLEVEL\_DC\_SSL\_OR\_UPGRADE = -2146877421**

The contacted domain controller cannot support signed Lightweight Directory Access Protocol (LDAP) traffic. Update the domain controller or configure Certificate Services to use SSL for Active Directory access.

**CERTSRV\_E\_ENCODING\_LENGTH = -2146877433**

The certificate contains an encoded length that is potentially incompatible with older enrollment software.

#### **CERTSRV\_E\_ENROLL\_DENIED = -2146877423**

The permissions on this CA do not allow the current user to enroll for certificates.

#### **CERTSRV\_E\_INVALID\_CA\_CERTIFICATE = -2146877435**

The CA's certificate contains invalid data.

#### **CERTSRV\_E\_INVALID\_EK = -2146875369**

The endorsement key certificate is not valid.

#### **CERTSRV\_E\_ISSUANCE\_POLICY\_REQUIRED = -2146875380**

The request is missing one or more required signature issuance policies.

#### **CERTSRV\_E\_KEY\_ARCHIVAL\_NOT\_CONFIGURED = -2146877430**

Cannot archive private key. The CA is not configured for key archival.

#### **CERTSRV\_E\_KEY\_ATTESTATION = -2146875366**

Key attestation did not succeed.

#### **CERTSRV\_E\_KEY\_LENGTH = -2146875375**

The public key does not meet the minimum size required by the specified certificate template.

#### **CERTSRV\_E\_NO\_CADMIN\_DEFINED = -2146877427**

At least one security principal must have the permission to manage this CA.

#### **CERTSRV\_E\_NO\_CERT\_TYPE = -2146875391**

The request contains no certificate template information.

#### **CERTSRV\_E\_NO\_DB\_SESSIONS = -2146877425**

An attempt was made to open a CA database session, but there are already too many active sessions.

The server needs to be configured to allow additional sessions.

#### **CERTSRV\_E\_NO\_REQUEST = -2146877438**

The request does not exist.

**CERTSRV\_E\_NO\_VALID\_KRA = -2146877429**

Cannot archive private key. The CA could not verify one or more key recovery certificates.

**CERTSRV\_E\_PROPERTY\_EMPTY = -2146877436**

The requested property value is empty.

**CERTSRV\_E\_RENEWAL\_BAD\_PUBLIC\_KEY = -2146875370**

The key used in a renewal request does not match one of the certificates being renewed.

**CERTSRV\_E\_RESTRICTEDOFFICER = -2146877431**

The operation is denied. It can only be performed by a certificate manager that is allowed to manage certificates for the current requester.

**CERTSRV\_E\_ROLECONFLICT = -2146877432**

The operation is denied. The user has multiple roles assigned, and the CA is configured to enforce role separation.

**CERTSRV\_E\_SERVER\_SUSPENDED = -2146877434**

Certificate service has been suspended for a database restore operation.

**CERTSRV\_E\_SIGNATURE\_COUNT = -2146875382**

The request is missing one or more required signatures.

**CERTSRV\_E\_SIGNATURE\_POLICY\_REQUIRED = -2146875383**

The request is missing required signature policy information.

**CERTSRV\_E\_SIGNATURE\_REJECTED = -2146875381**

One or more signatures did not include the required application or issuance policies. The request is missing one or more required valid signatures.

**CERTSRV\_E\_SMIME\_REQUIRED = -2146875387**

The request is missing a required SMIME capabilities extension.

**CERTSRV\_E\_SUBJECT\_ALT\_NAME\_REQUIRED = -2146875389**

The request is missing a required Subject Alternate name extension.

**CERTSRV\_E\_SUBJECT\_DIRECTORY\_GUID\_REQUIRED = -2146875378**

The Active Directory GUID is unavailable and cannot be added to the Subject Alternate name.

**CERTSRV\_E\_SUBJECT\_DNS\_REQUIRED = -2146875377**

The Domain Name System (DNS) name is unavailable and cannot be added to the Subject Alternate name.

**CERTSRV\_E\_SUBJECT\_EMAIL\_REQUIRED = -2146875374**

The email name is unavailable and cannot be added to the Subject or Subject Alternate name.

**CERTSRV\_E\_SUBJECT\_UPN\_REQUIRED = -2146875379**

The UPN is unavailable and cannot be added to the Subject Alternate name.

**CERTSRV\_E\_TEMPLATE\_CONFLICT = -2146875390**

The request contains conflicting template information.

**CERTSRV\_E\_TEMPLATE\_DENIED = -2146877422**

The permissions on the certificate template do not allow the current user to enroll for this type of certificate.

**CERTSRV\_E\_TEMPLATE\_POLICY\_REQUIRED = -2146875384**

The template is missing a required signature policy attribute.

**CERTSRV\_E\_TOO\_MANY\_SIGNATURES = -2146875371**

The certificate template requires too many return authorization (RA) signatures. Only one RA signature is allowed.

**CERTSRV\_E\_UNKNOWN\_CERT\_TYPE = -2146875373**

One or more certificate templates to be enabled on this CA could not be found.

**CERTSRV\_E\_UNSUPPORTED\_CERT\_TYPE = -2146875392**

The requested certificate template is not supported by this CA.

**CERT\_E\_CHAINING = -2146762486**

A certificate chain could not be built to a trusted root authority.

**CERT\_E\_CN\_NO\_MATCH = -2146762481**

The certificate's CN name does not match the passed value.

**CERT\_E\_CRITICAL = -2146762491**

A certificate contains an unknown extension that is marked "critical".

**CERT\_E\_EXPIRED = -2146762495**

A required certificate is not within its validity period when verifying against the current system clock or the time stamp in the signed file.

**CERT\_E\_INVALID\_NAME = -2146762476**

The certificate has an invalid name. The name is not included in the permitted list or is explicitly excluded.

**CERT\_E\_INVALID\_POLICY = -2146762477**

The certificate has invalid policy.

**CERT\_E\_ISSUERCHAINING = -2146762489**

A parent of a given certificate did not issue that child certificate.

**CERT\_E\_MALFORMED = -2146762488**

A certificate is missing or has an empty value for an important field, such as a subject or issuer name.

**CERT\_E\_PATHLENCONST = -2146762492**

A path length constraint in the certification chain has been violated.

**CERT\_E\_PURPOSE = -2146762490**

A certificate is being used for a purpose other than the ones specified by its CA.

**CERT\_E\_REVOCATION\_FAILURE = -2146762482**

The revocation process could not continue—the certificates could not be checked.

**CERT\_E\_REVOKED = -2146762484**

A certificate was explicitly revoked by its issuer. If the certificate is Microsoft Windows PCA 2010, then the driver was signed by a certificate no longer recognized by Windows.<3>

**CERT\_E\_ROLE = -2146762493**

A certificate that can only be used as an end entity is being used as a CA or vice versa.

**CERT\_E\_UNTRUSTEDCA = -2146762478**

A certification chain processed correctly, but one of the CA certificates is not trusted by the policy provider.

**CERT\_E\_UNTRUSTEDROOT = -2146762487**

A certificate chain processed, but terminated in a root certificate that is not trusted by the trust provider.

**CERT\_E\_UNTRUSTEDTESTROOT = -2146762483**

The certification path terminates with the test root that is not trusted with the current policy settings.

**CERT\_E\_VALIDITYPERIODNESTING = -2146762494**

The validity periods of the certification chain do not nest correctly.

**CERT\_E\_WRONG\_USAGE = -2146762480**

The certificate is not valid for the requested usage.

**CLASS\_E\_CLASSNOTAVAILABLE = -2147221231**

ClassFactory cannot supply requested class.

**CLASS\_E\_NOAGGREGATION = -2147221232**

Class does not support aggregation (or class object is remote).

**CLASS\_E\_NOTLICENSED = -2147221230**

Class is not licensed for use.

**CLIPBRD\_E\_BAD\_DATA = -2147221037**

Data on clipboard is invalid.

**CLIPBRD\_E\_CANT\_CLOSE = -2147221036**

CloseClipboard failed.

**CLIPBRD\_E\_CANT\_EMPTY = -2147221039**

EmptyClipboard failed.

**CLIPBRD\_E\_CANT\_OPEN** = -2147221040

OpenClipboard failed.

**CLIPBRD\_E\_CANT\_SET** = -2147221038

SetClipboard failed.

**COMADMIN\_E\_ALREADYINSTALLED** = -2146368508

The object is already registered.

**COMADMIN\_E\_AMBIGUOUS\_APPLICATION\_NAME** = -2146368420

The application name is not unique and cannot be resolved to an application ID.

**COMADMIN\_E\_AMBIGUOUS\_PARTITION\_NAME** = -2146368419

The partition name is not unique and cannot be resolved to a partition ID.

**COMADMIN\_E\_APPDIRNOTFOUND** = -2146368481

Application install directory not found.

**COMADMIN\_E\_APPLICATIONEXISTS** = -2146368501

The application is already installed.

**COMADMIN\_E\_APPLID\_MATCHES\_CLSID** = -2146368442

A CLSID with the same GUID as the new application ID is already installed on this machine.

**COMADMIN\_E\_APP\_FILE\_READFAIL** = -2146368504

An error occurred reading the application file.

**COMADMIN\_E\_APP\_FILE\_VERSION** = -2146368503

Invalid version number in application file.

**COMADMIN\_E\_APP\_FILE\_WRITEFAIL** = -2146368505

An error occurred writing to the application file.

**COMADMIN\_E\_APP\_NOT\_RUNNING** = -2146367478

The specified application is not currently running.

**COMADMIN\_E\_AUTHENTICATIONLEVEL = -2146368493**

Unable to set required authentication level for update request.

**COMADMIN\_E\_BADPATH = -2146368502**

The file path is invalid.

**COMADMIN\_E\_BADREGISTRYLIBID = -2146368482**

The registered TypeLib ID is not valid.

**COMADMIN\_E\_BADREGISTRYPROGID = -2146368494**

The component's programmatic ID is missing or corrupt.

**COMADMIN\_E\_BASEPARTITION\_REQUIRED\_IN\_SET = -2146367457**

The Base Application Partition exists in all partition sets and cannot be removed.

**COMADMIN\_E\_BASE\_PARTITION\_ONLY = -2146368432**

This function is valid for the base partition only.

**COMADMIN\_E\_CANNOT\_ALIAS\_EVENTCLASS = -2146367456**

Alas, Event Class components cannot be aliased.

**COMADMIN\_E\_CANTCOPYFILE = -2146368499**

An error occurred copying the file.

**COMADMIN\_E\_CANTMAKEINPROCSERVICE = -2146367468**

Library applications cannot be Windows NT services.

**COMADMIN\_E\_CANTRECYCLELIBRARYAPPS = -2146367473**

Library applications cannot be recycled.

**COMADMIN\_E\_CANTRECYCLESERVICEAPPS = -2146367471**

Applications running as Windows NT services cannot be recycled.

**COMADMIN\_E\_CANT\_SUBSCRIBE\_TO\_COMPONENT = -2146368435**

Cannot subscribe to this component (the component might have been imported).

**COMADMIN\_E\_CAN\_NOT\_EXPORT\_APP\_PROXY = -2146368438**

Application proxy is not exportable.

**COMADMIN\_E\_CAN\_NOT\_EXPORT\_SYS\_APP = -2146368436**

System application is not exportable.

**COMADMIN\_E\_CAN\_NOT\_START\_APP = -2146368437**

Failed to start application because it is either a library application or an application proxy.

**COMADMIN\_E\_CAT\_BITNESSMISMATCH = -2146368382**

There was a type mismatch between binaries.

**COMADMIN\_E\_CAT\_DUPLICATE\_PARTITION\_NAME = -2146368425**

The specified partition name is already in use on this computer.

**COMADMIN\_E\_CAT\_IMPORTED\_COMPONENTS\_NOT\_ALLOWED = -2146368421**

Applications that contain one or more imported components cannot be installed into a nonbase partition.

**COMADMIN\_E\_CAT\_INVALID\_PARTITION\_NAME = -2146368424**

The specified partition name is invalid. Check that the name contains at least one visible character.

**COMADMIN\_E\_CAT\_PARTITION\_IN\_USE = -2146368423**

The partition cannot be deleted because it is the default partition for one or more users.

**COMADMIN\_E\_CAT\_PAUSE\_RESUME\_NOT\_SUPPORTED = -2146368379**

The application cannot be paused or resumed.

**COMADMIN\_E\_CAT\_SERVERFAULT = -2146368378**

The COM+ catalog server threw an exception during execution.

**COMADMIN\_E\_CAT\_UNACCEPTABLEBITNESS = -2146368381**

A binary of unknown or invalid type was provided.

**COMADMIN\_E\_CAT\_WRONGAPPBITNESS = -2146368380**

There was a type mismatch between a binary and an application.

**COMADMIN\_E\_CLSIDORIIDMISMATCH** = -2146368488

Application file CLSIDs or instance identifiers (GUIDs) do not match corresponding DLLs.

**COMADMIN\_E\_COMPPFILE\_BADTLB** = -2146368472

The TypeLib could not be loaded.

**COMADMIN\_E\_COMPPFILE\_CLASSNOTAVAIL** = -2146368473

The DLL does not support the components listed in the TypeLib.

**COMADMIN\_E\_COMPPFILE\_DOESNOTEXIST** = -2146368476

The file does not exist.

**COMADMIN\_E\_COMPPFILE\_GETCLASSOBJ** = -2146368474

GetClassObject failed in the DLL.

**COMADMIN\_E\_COMPPFILE\_LOADDLLFAIL** = -2146368475

The DLL could not be loaded.

**COMADMIN\_E\_COMPPFILE\_NOREGISTRAR** = -2146368460

The component registrar referenced in this file is not available.

**COMADMIN\_E\_COMPPFILE\_NOTINSTALLABLE** = -2146368471

The file does not contain components or component information.

**COMADMIN\_E\_COMPONENTEXISTS** = -2146368455

The component already exists.

**COMADMIN\_E\_COMP\_MOVE\_BAD\_DEST** = -2146368466

The component move failed because the destination application no longer exists.

**COMADMIN\_E\_COMP\_MOVE\_DEST** = -2146367459

A component cannot be moved (or copied) to the System Application, an application proxy or a nonchangeable application.

**COMADMIN\_E\_COMP\_MOVE\_LOCKED** = -2146368467

The component move was disallowed because the source or destination application is either a system application or currently locked against changes.

**COMADMIN\_E\_COMP\_MOVE\_PRIVATE = -2146367458**

A private component cannot be moved (or copied) to a library application or to the base partition.

**COMADMIN\_E\_COMP\_MOVE\_SOURCE = -2146367460**

A component cannot be moved (or copied) from the System Application, an application proxy, or a nonchangeable application.

**COMADMIN\_E\_COREQCOMPINSTALLED = -2146368459**

A component in the same DLL is already installed.

**COMADMIN\_E\_DEFAULT\_PARTITION\_NOT\_IN\_SET = -2146367466**

The partition specified as the default is not a member of the partition set.

**COMADMIN\_E\_DLLLOADFAILED = -2146368483**

DLL could not be loaded.

**COMADMIN\_E\_DLLREGISTERSERVER = -2146368486**

DllRegisterServer failed on component install.

**COMADMIN\_E\_EVENTCLASS\_CANT\_BE\_SUBSCRIBER = -2146368434**

An event class cannot also be a subscriber component.

**COMADMIN\_E\_FILE\_PARTITION\_DUPLICATE\_FILES = -2146368422**

The partition cannot be exported because one or more components in the partition have the same file name.

**COMADMIN\_E\_INVALIDUSERIDS = -2146368496**

One or more users in the application file are not valid.

**COMADMIN\_E\_INVALID\_PARTITION = -2146367477**

The partitions specified are not valid.

**COMADMIN\_E\_KEYMISSING = -2146368509**

The object was not found in the catalog.

**COMADMIN\_E\_LEGACYCOMPS\_NOT\_ALLOWED\_IN\_1\_0\_FORMAT** = -2146367462

Applications containing one or more legacy components cannot be exported to 1.0 format.

**COMADMIN\_E\_LEGACYCOMPS\_NOT\_ALLOWED\_IN\_NONBASE\_PARTITION** = -2146367461

Legacy components cannot exist in nonbase partitions.

**COMADMIN\_E\_LIB\_APP\_PROXY\_INCOMPATIBLE** = -2146368433

Library applications and application proxies are incompatible.

**COMADMIN\_E\_MIG\_SCHEMANOTFOUND** = -2146368383

The schema version to be migrated could not be found in the COM+ registry database.

**COMADMIN\_E\_MIG\_VERSIONNOTSUPPORTED** = -2146368384

This version of the COM+ registry database cannot be migrated.

**COMADMIN\_E\_NOREGISTRYCLSID** = -2146368495

The component's CLSID is missing or corrupt.

**COMADMIN\_E\_NOSERVERSHARE** = -2146368485

No server file share available.

**COMADMIN\_E\_NOTCHANGEABLE** = -2146368470

Changes to this object and its subobjects have been disabled.

**COMADMIN\_E\_NOTDELETEABLE** = -2146368469

The delete function has been disabled for this object.

**COMADMIN\_E\_NOTINREGISTRY** = -2146368450

Object was not found in registry.

**COMADMIN\_E\_NOUSER** = -2146368497

One or more users are not valid.

**COMADMIN\_E\_OBJECTERRORS** = -2146368511

Errors occurred accessing one or more objects—the ErrorInfo collection contains more detail.

**COMADMIN\_E\_OBJECTEXISTS** = -2146368456

The object you are attempting to add or rename already exists.

**COMADMIN\_E\_OBJECTINVALID** = -2146368510

One or more of the object's properties are missing or invalid.

**COMADMIN\_E\_OBJECTNOTPOOLABLE** = -2146368449

This object cannot be pooled.

**COMADMIN\_E\_OBJECT\_DOES\_NOT\_EXIST** = -2146367479

One of the specified objects cannot be found.

**COMADMIN\_E\_OBJECT\_PARENT\_MISSING** = -2146367480

One of the objects being inserted or updated does not belong to a valid parent collection.

**COMADMIN\_E\_PARTITIONSDISABLED** = -2146367452

COM+ partitions are currently disabled.

**COMADMIN\_E\_PARTITION\_ACCESSDENIED** = -2146367464

Access to the specified partition is denied.

**COMADMIN\_E\_PARTITION\_MSI\_ONLY** = -2146367463

Only application files (\*.msi files) can be installed into partitions.

**COMADMIN\_E\_PAUSEDPROCESSMAYNOTBERECYCLED** = -2146367469

A paused process cannot be recycled.

**COMADMIN\_E\_PRIVATE\_ACCESSDENIED** = -2146367455

Access is denied because the component is private.

**COMADMIN\_E\_PROCESSALREADYRECYCLED** = -2146367470

The process has already been recycled.

**COMADMIN\_E\_PROGIDINUSEBYCLSID** = -2146367467

The ProgID provided to the copy operation is invalid. The ProgID is in use by another registered CLSID.

**COMADMIN\_E\_PROPERTYSAVEFAILED** = -2146368457

One or more property settings are either invalid or in conflict with each other.

**COMADMIN\_E\_PROPERTY\_OVERFLOW** = -2146368452

The property value is too large.

**COMADMIN\_E\_RECYCLEDPROCESSMAYNOTBEPAUSED** = -2146367465

A recycled process cannot be paused.

**COMADMIN\_E\_REGDB\_ALREADYRUNNING** = -2146368395

The COM+ registry database is already running.

**COMADMIN\_E\_REGDB\_NOTINITIALIZED** = -2146368398

The COM+ registry database has not been initialized.

**COMADMIN\_E\_REGDB\_NOTOPEN** = -2146368397

The COM+ registry database is not open.

**COMADMIN\_E\_REGDB\_SYSTEMERR** = -2146368396

The COM+ registry database detected a system error.

**COMADMIN\_E\_REGFILE\_CORRUPT** = -2146368453

The registration file is corrupt.

**COMADMIN\_E\_REGISTERTLB** = -2146368464

The system was unable to register the TypeLib.

**COMADMIN\_E\_REGISTRARFAILED** = -2146368477

Errors occurred while in the component registrar.

**COMADMIN\_E\_REGISTRY\_ACCESSDENIED** = -2146367453

The specified user cannot write to the system registry.

**COMADMIN\_E\_REMOTEINTERFACE** = -2146368487

Interface information is either missing or changed.

**COMADMIN\_E\_REQUIRES\_DIFFERENT\_PLATFORM** = -2146368439

This operation is not enabled on this platform.

**COMADMIN\_E\_ROLEEXISTS** = -2146368500

The role already exists.

**COMADMIN\_E\_ROLE\_DOES\_NOT\_EXIST** = -2146368441

A role assigned to a component, interface, or method did not exist in the application.

**COMADMIN\_E\_SAVERINVALID** = -2146367454

The specified SAFER level is invalid.

**COMADMIN\_E\_SERVICENOTINSTALLED** = -2146368458

The service is not installed.

**COMADMIN\_E\_SESSION** = -2146368468

The server catalog version is not supported.

**COMADMIN\_E\_START\_APP\_DISABLED** = -2146368431

You cannot start an application that has been disabled.

**COMADMIN\_E\_START\_APP\_NEEDS\_COMPONENTS** = -2146368440

You must have components in an application to start the application.

**COMADMIN\_E\_SVCAPP\_NOT\_POOLABLE\_OR\_RECYCLABLE** = -2146367475

COM+ applications that run as Windows NT service cannot be pooled or recycled.

**COMADMIN\_E\_SYSTEMAPP** = -2146368461

This operation cannot be performed on the system application.

**COMADMIN\_E\_USERPASSWDNOTVALID** = -2146368492

The identity or password set on the application is not valid.

**COMADMIN\_E\_USER\_IN\_SET** = -2146367474

One or more users are already assigned to a local partition set.

**COMQC\_E\_APPLICATION\_NOT\_QUEUED = -2146368000**

Only COM+ applications marked "queued" can be invoked using the "queue" moniker.

**COMQC\_E\_BAD\_MESSAGE = -2146367996**

The message is improperly formatted or was damaged in transit.

**COMQC\_E\_NO\_IPERSISTSTREAM = -2146367997**

Unable to marshal an interface that does not support IPersistStream.

**COMQC\_E\_NO\_QUEUEABLE\_INTERFACES = -2146367999**

At least one interface must be marked "queued" to create a queued component instance with the "queue" moniker.

**COMQC\_E\_QUEUEING\_SERVICE\_NOT\_AVAILABLE = -2146367998**

Message Queuing is required for the requested operation and is not installed.

**COMQC\_E\_UNAUTHENTICATED = -2146367995**

An unauthenticated message was received by an application that accepts only authenticated messages.

**COMQC\_E\_UNTRUSTED\_ENQUEUEUR = -2146367994**

The message was requeued or moved by a user not in the QC Trusted User "role".

**CONTEXT\_E\_ABORTED = -2147164158**

The root transaction wanted to commit, but the transaction aborted.

**CONTEXT\_E\_ABORTING = -2147164157**

The COM+ component on which the method call was made has a transaction that has already aborted or is in the process of aborting.

**CONTEXT\_E\_NOCONTEXT = -2147164156**

There is no Microsoft Transaction Server (MTS) object context.

**CONTEXT\_E\_NOJIT = -2147164122**

The requested operation requires that just-in-time (JIT) be in the current context, and it is not.

**CONTEXT\_E\_NOTTRANSACTION = -2147164121**

The requested operation requires that the current context have a transaction, and it does not.

**CONTEXT\_E\_OLDREF = -2147164153**

You made a method call on a COM+ component that has a transaction that has already committed or aborted.

**CONTEXT\_E\_ROLENOTFOUND = -2147164148**

The specified role was not configured for the application.

**CONTEXT\_E\_SYNCH\_TIMEOUT = -2147164154**

The component is configured to use synchronization, and a thread has timed out waiting to enter the context.

**CONTEXT\_E\_TMNOTALAVAILABLE = -2147164145**

COM+ was unable to talk to the MSDTC.

**CONTEXT\_E\_WOULD\_DEADLOCK = -2147164155**

The component is configured to use synchronization, and this method call would cause a deadlock to occur.

**CONVERT10\_E\_OLESTREAM\_BITMAP\_TO\_DIB = -2147221053**

There was an error in a Windows GDI call while converting the bitmap to a device-independent bitmap (DIB).

**CONVERT10\_E\_OLESTREAM\_FMT = -2147221054**

Contents of the OLESTREAM not in correct format.

**CONVERT10\_E\_OLESTREAM\_GET = -2147221056**

OLESTREAM Get method failed.

**CONVERT10\_E\_OLESTREAM\_PUT = -2147221055**

OLESTREAM Put method failed.

**CONVERT10\_E\_STG\_DIB\_TO\_BITMAP = -2147221050**

There was an error in a Windows Graphics Device Interface (GDI) call while converting the DIB to a bitmap.

**CONVERT10\_E\_STG\_FMT = -2147221052**

Contents of the IStorage not in correct format.

**CONVERT10\_E\_STG\_NO\_STD\_STREAM = -2147221051**

Contents of IStorage is missing one of the standard streams.

**CONVERT10\_S\_NO\_PRESENTATION = 262592**

Unable to convert OLESTREAM to IStorage.

**CO\_E\_ACCESSCHECKFAILED = -2147417814**

The system function AccessCheck returned false.

**CO\_E\_ACESINWRONGORDER = -2147417798**

Not all the DENY\_ACCESS ACEs are arranged in front of the GRANT\_ACCESS ACEs in the stream.

**CO\_E\_ACNOTINITIALIZED = -2147417793**

The COM IAccessControl object is not initialized.

**CO\_E\_ACTIVATIONFAILED = -2147164127**

An unexpected error occurred during COM+ activation.

**CO\_E\_ACTIVATIONFAILED\_CATALOGERROR = -2147164125**

COM+ activation failed due to a catalog or configuration error.

**CO\_E\_ACTIVATIONFAILED\_EVENTLOGGED = -2147164126**

COM+ activation failed. Check the event log for more information.

**CO\_E\_ACTIVATIONFAILED\_TIMEOUT = -2147164124**

COM+ activation failed because the activation could not be completed in the specified amount of time.

**CO\_E\_ALREADYINITIALIZED = -2147221007**

CoInitialize has already been called.

**CO\_E\_APPDIDNTREG = -2147220994**

Application was launched, but it did not register a class factory.

**CO\_E\_APPNOTFOUND = -2147221003**

Application not found.

**CO\_E\_APPSINGLEUSE = -2147221002**

Application cannot be run more than once.

**CO\_E\_ASYNC\_WORK\_REJECTED = -2147467223**

The thread-pool rejected the submitted asynchronous work.

**CO\_E\_ATTEMPT\_TO\_CREATE\_OUTSIDE\_CLIENT\_CONTEXT = -2147467228**

The specified activation could not occur in the client context as specified.

**CO\_E\_BAD\_PATH = -2146959356**

Bad path to object.

**CO\_E\_BAD\_SERVER\_NAME = -2147467244**

A Remote activation was necessary, but the server name provided was invalid.

**CO\_E\_CALL\_OUT\_OF\_TX\_SCOPE\_NOT\_ALLOWED = -2147164112**

The component attempted to make a cross-context call between invocations of EnterTransactionScope and ExitTransactionScope. This is not allowed. Cross-context calls cannot be made while inside a transaction scope.

**CO\_E\_CANCEL\_DISABLED = -2147417792**

Call Cancellation is disabled.

**CO\_E\_CANTDETERMINECLASS = -2147221006**

Class of object cannot be determined.

**CO\_E\_CANT\_REMOTE = -2147467245**

A Remote activation was necessary but was not allowed.

**CO\_E\_CLASSSTRING = -2147221005**

Invalid class string.

**CO\_E\_CLASS\_CREATE\_FAILED** = -2146959359

Attempt to create a class object failed.

**CO\_E\_CLASS\_DISABLED** = -2147467225

The component or application containing the component has been disabled.

**CO\_E\_CLRNOTAVAILABLE** = -2147467224

The common language runtime is not available.

**CO\_E\_CLSREG\_INCONSISTENT** = -2147467233

The registration information for this server is inconsistent or incomplete.

**CO\_E\_CONVERSIONFAILED** = -2147417810

Unable to convert a wide character trustee string to a multiple-byte trustee string.

**CO\_E\_CREATEPROCESS\_FAILURE** = -2147467240

The server process could not be started. The path name might be incorrect.

**CO\_E\_DBERROR** = -2147164117

An attempt to use a database generated a database-specific error.

**CO\_E\_DECODEFAILED** = -2147417795

Unable to decode the ACL in the stream provided by the user.

**CO\_E\_DLLNOTFOUND** = -2147221000

DLL for class not found.

**CO\_E\_ELEVATION\_DISABLED** = -2146959337

The class is not configured to support elevated activation.

**CO\_E\_ERRORINAPP** = -2147221001

Some error in application.

**CO\_E\_ERRORINDLL** = -2147220999

Error in the DLL.

**CO\_E\_EXCEEDSYSACLLIMIT** = -2147417799

The number of access control entries (ACEs) in an ACL exceeds the system limit.

**CO\_E\_EXIT\_TRANSACTION\_SCOPE\_NOT\_CALLED** = -2147164111

The component made a call to EnterTransactionScope, but did not make a corresponding call to ExitTransactionScope before returning.

**CO\_E\_FAILEDTOCLOSEHANDLE** = -2147417800

Unable to close a serialization handle or a file handle.

**CO\_E\_FAILEDTOCREATEFILE** = -2147417801

Unable to create file.

**CO\_E\_FAILEDTOGENUUID** = -2147417802

Unable to generate aUUID.

**CO\_E\_FAILEDTOGETSECCTX** = -2147417820

Unable to obtain server's security context.

**CO\_E\_FAILEDTOGETTOKENINFO** = -2147417818

Unable to obtain user information from an access token.

**CO\_E\_FAILEDTOGETWINDIR** = -2147417804

Unable to obtain the Windows directory.

**CO\_E\_FAILEDTOIMPERSONATE** = -2147417821

Unable to impersonate DCOM client.

**CO\_E\_FAILEDTOOPENPROCESSTOKEN** = -2147417796

Unable to open the access token of the server process.

**CO\_E\_FAILEDTOOPENTHREADTOKEN** = -2147417819

Unable to open the access token of the current thread.

**CO\_E\_FAILEDTOQUERYCLIENTBLANKET** = -2147417816

Unable to obtain the client's security blanket.

**CO\_E\_FAILEDTOSETDACL** = -2147417815

Unable to set a discretionary access control list (ACL) into a security descriptor.

**CO\_E\_IIDREG\_INCONSISTENT** = -2147467232

The registration information for this interface is inconsistent or incomplete.

**CO\_E\_IIDSTRING** = -2147221004

Invalid interface string.

**CO\_E\_INCOMPATIBLESTREAMVERSION** = -2147417797

The version of ACL format in the stream is not supported by this implementation of IAccessControl.

**CO\_E\_INITIALIZATIONFAILED** = -2147164123

COM+ activation failed because an initialization function failed. Check the event log for more information.

**CO\_E\_INIT\_CLASS\_CACHE** = -2147467255

Unable to initialize class cache.

**CO\_E\_INIT\_MEMORY\_ALLOCATOR** = -2147467256

Get memory allocator failure.

**CO\_E\_INIT\_ONLY\_SINGLE\_THREADED** = -2147467246

There was an attempt to call CoInitialize a second time while single-threaded.

**CO\_E\_INIT\_RPC\_CHANNEL** = -2147467254

Unable to initialize remote procedure call (RPC) services.

**CO\_E\_INIT\_SCM\_EXEC\_FAILURE** = -2147467247

Failure attempting to launch OLE service.

**CO\_E\_INIT\_SCM\_FILE\_MAPPING\_EXISTS** = -2147467249

The OLE service file mapping already exists.

**CO\_E\_INIT\_SCM\_MAP\_VIEW\_OF\_FILE** = -2147467248

Unable to map view of file for OLE service.

**CO\_E\_INIT\_SCM\_MUTEX\_EXISTS = -2147467250**

The OLE service mutex already exists.

**CO\_E\_INIT\_SHARED\_ALLOCATOR = -2147467257**

Get shared memory allocator failure.

**CO\_E\_INIT\_TLS = -2147467258**

Thread local storage failure.

**CO\_E\_INIT\_TLS\_CHANNEL\_CONTROL = -2147467252**

Could not allocate thread local storage channel control.

**CO\_E\_INIT\_TLS\_SET\_CHANNEL\_CONTROL = -2147467253**

Cannot set thread local storage channel control.

**CO\_E\_INIT\_UNACCEPTED\_USER\_ALLOCATOR = -2147467251**

The user-supplied memory allocator is unacceptable.

**CO\_E\_INVALIDSID = -2147417811**

One of the security identifiers provided by the user was invalid.

**CO\_E\_ISOLEVELMISMATCH = -2147164113**

The TxIsolation Level property for the COM+ component being created is stronger than the TxIsolationLevel for the root.

**CO\_E\_LAUNCH\_PERMISSION\_DENIED = -2147467237**

The client is not allowed to launch this server.

**CO\_E\_LOOKUPACCNAMEFAILED = -2147417806**

The system function LookupAccountName failed.

**CO\_E\_LOOKUPACCSIDFAILED = -2147417808**

The system function LookupAccountSID failed.

**CO\_E\_MALFORMED\_SPN = -2147467213**

The server principal name (SPN) obtained during security negotiation is malformed.

**CO\_E\_MISSING\_DISPLAYNAME = -2146959339**

The activation requires a display name to be present under the class identifier (CLSID) key.

**CO\_E\_MSI\_ERROR = -2147467229**

A Microsoft Software Installer error was encountered.

**CO\_E\_NETACCESSAPIFAILED = -2147417813**

Either NetAccessDel or NetAccessAdd returned an error code.

**CO\_E\_NOCOOKIES = -2147164118**

An attempt to write a cookie failed.

**CO\_E\_NOIISINTRINSICS = -2147164119**

Internet Information Services (IIS) intrinsics not available. Start your work with IIS.

**CO\_E\_NOMATCHINGNAMEFOUND = -2147417807**

Unable to find a trustee name that corresponds to a security identifier provided by the user.

**CO\_E\_NOMATCHINGSIDFOUND = -2147417809**

Unable to find a security identifier that corresponds to a trustee string provided by the user.

**CO\_E\_NOSYNCHRONIZATION = -2147164114**

The COM+ component requires synchronization, and it is not configured for it.

**CO\_E\_NOTCONSTRUCTED = -2147164115**

The COM+ component you created must use object construction to work correctly.

**CO\_E\_NOTINITIALIZED = -2147221008**

CoInitialize has not been called.

**CO\_E\_NOTPOOLED = -2147164116**

The COM+ component you created must use object pooling to work.

**CO\_E\_NOT\_SUPPORTED = -2147467231**

The operation attempted is not supported.

**CO\_E\_NO\_SECCTX\_IN\_ACTIVATE = -2147467221**

Unable to complete the call because there is no COM+ security context inside IObjectControl.Activate.

**CO\_E\_OBJISREG = -2147220996**

Object is already registered.

**CO\_E\_OBJNOTCONNECTED = -2147220995**

Object is not connected to server.

**CO\_E\_OBJNOTREG = -2147220997**

Object is not registered.

**CO\_E\_OBJSRV\_RPC\_FAILURE = -2146959354**

OLE service could not communicate with the object server.

**CO\_E\_OLE1DDE\_DISABLED = -2147467242**

Use of OLE1 services requiring Dynamic Data Exchange (DDE) Windows is disabled.

**CO\_E\_PATHTOOLONG = -2147417803**

Path too long.

**CO\_E\_RELEASED = -2147220993**

Object has been released.

**CO\_E\_RELOAD\_DLL = -2147467230**

A DLL must be loaded.

**CO\_E\_REMOTE\_COMMUNICATION\_FAILURE = -2147467235**

This computer was unable to communicate with the computer providing the server.

**CO\_E\_RUNAS\_CREATEPROCESS\_FAILURE = -2147467239**

The server process could not be started as the configured identity. The path name might be incorrect or unavailable.

**CO\_E\_RUNAS\_LOGON\_FAILURE = -2147467238**

The server process could not be started because the configured identity is incorrect. Check the user name and password.

#### **CO\_E\_RUNAS\_SYNTAX = -2147467241**

A RunAs specification must be <domain name>&lt;user name> or simply <user name>.

#### **CO\_E\_RUNAS\_VALUE\_MUST\_BE\_AAA = -2146959338**

The activation requires that the RunAs value for the application is Activate As Activator.

#### **CO\_E\_SCM\_ERROR = -2146959358**

OLE service could not bind object.

#### **CO\_E\_SCM\_RPC\_FAILURE = -2146959357**

RPC communication failed with OLE service.

#### **CO\_E\_SERVER\_EXEC\_FAILURE = -2146959355**

Server execution failed.

#### **CO\_E\_SERVER\_INIT\_TIMEOUT = -2147467222**

The server started, but it did not finish initializing in a timely fashion.

#### **CO\_E\_SERVER\_NOT\_PAUSED = -2147467226**

Activations on the server are not paused.

#### **CO\_E\_SERVER\_PAUSED = -2147467227**

Activations on the server are paused.

#### **CO\_E\_SERVER\_START\_TIMEOUT = -2147467234**

The server did not respond after being launched.

#### **CO\_E\_SERVER\_STOPPING = -2146959352**

Object server is stopping when OLE service contacts it.

#### **CO\_E\_SETSERLHNDLFAILED = -2147417805**

Unable to set or reset a serialization handle.

#### **CO\_E\_START\_SERVICE\_FAILURE = -2147467236**

The service providing this server could not be started.

**CO\_E\_SXS\_CONFIG = -2147467214**

The provided side-by-side configuration is invalid.

**CO\_E\_THREADINGMODEL\_CHANGED = -2147164120**

The components threading model has changed after install into a COM+ application. Re-install component.

**CO\_E\_THREADPOOL\_CONFIG = -2147467215**

The provided thread pool configuration is invalid.

**CO\_E\_TRACKER\_CONFIG = -2147467216**

The provided tracker configuration is invalid.

**CO\_E\_TRUSTEEDOESNTMATCHCLIENT = -2147417817**

The client who called IAccessControl::IsAccessPermitted was not the trustee provided to the method.

**CO\_E\_WRONGOSFORAPP = -2147220998**

Wrong operating system or operating system version for application.

**CO\_E\_WRONGTRUSTEENAMESYNTAX = -2147417812**

One of the trustee strings provided by the user did not conform to the <Domain>&lt;Name> syntax and it was not the \*\* string".

**CO\_E\_WRONG\_SERVER\_IDENTITY = -2147467243**

The class is configured to run as a security ID different from the caller.

**CO\_S\_MACHINENAMENOTFOUND = 524307**

The specified machine name was not found in the cache.

**CO\_S\_NOTALLINTERFACES = 524306**

Not all the requested interfaces were available.

**CRYPT\_E\_ALREADY\_DECRYPTED = -2146889719**

The content of the cryptographic message has already been decrypted.

**CRYPT\_E ASN1\_BADARGS** = -2146881271

ASN1 bad arguments to function call.

**CRYPT\_E ASN1\_BADPDU** = -2146881272

ASN1 function not supported for this protocol data unit (PDU).

**CRYPT\_E ASN1\_BADREAL** = -2146881270

ASN1 bad real value.

**CRYPT\_E ASN1\_BADTAG** = -2146881269

ASN1 bad tag value met.

**CRYPT\_E ASN1\_CHOICE** = -2146881268

ASN1 bad choice value.

**CRYPT\_E ASN1\_CONSTRAINT** = -2146881275

ASN1 constraint violated.

**CRYPT\_E ASN1\_CORRUPT** = -2146881277

ASN1 corrupted data.

**CRYPT\_E ASN1\_EOD** = -2146881278

ASN1 unexpected end of data.

**CRYPT\_E ASN1\_ERROR** = -2146881280

ASN1 Certificate encode/decode error code base.

**CRYPT\_E ASN1\_EXTENDED** = -2146881023

ASN1 skipped unknown extensions.

**CRYPT\_E ASN1\_INTERNAL** = -2146881279

ASN1 internal encode or decode error.

**CRYPT\_E ASN1\_LARGE** = -2146881276

ASN1 value too large.

**CRYPT\_E ASN1\_MEMORY = -2146881274**

ASN1 out of memory.

**CRYPT\_E ASN1\_NOEOD = -2146881022**

ASN1 end of data expected.

**CRYPT\_E ASN1\_NYI = -2146881228**

ASN1 not yet implemented.

**CRYPT\_E ASN1\_OVERFLOW = -2146881273**

ASN1 buffer overflow.

**CRYPT\_E ASN1\_PDU\_TYPE = -2146881229**

ASN1 bad PDU type.

**CRYPT\_E ASN1\_RULE = -2146881267**

ASN1 bad encoding rule.

**CRYPT\_E ASN1\_UTF8 = -2146881266**

ASN1 bad Unicode (UTF8).

**CRYPT\_E ATTRIBUTES\_MISSING = -2146889713**

The cryptographic message does not contain all of the requested attributes.

**CRYPT\_E AUTH\_ATTR\_MISSING = -2146889722**

The cryptographic message does not contain an expected authenticated attribute.

**CRYPT\_E\_BAD\_ENCODE = -2146885630**

An error occurred during the encode or decode operation.

**CRYPT\_E\_BAD\_LEN = -2146885631**

The length specified for the output data was insufficient.

**CRYPT\_E\_BAD\_MSG = -2146885619**

Not a cryptographic message or the cryptographic message is not formatted correctly.

**CRYPT\_E\_CONTROL\_TYPE** = -2146889716

Invalid control type.

**CRYPT\_E\_DELETED\_PREV** = -2146885624

The previous certificate or certificate revocation list (CRL) context was deleted.

**CRYPT\_E\_EXISTS** = -2146885627

The object or property already exists.

**CRYPT\_E\_FILERESIZED** = -2146885595

The Put operation cannot continue. The file needs to be resized. However, there is already a signature present. A complete signing operation must be done.

**CRYPT\_E\_FILE\_ERROR** = -2146885629

An error occurred while reading or writing to a file.

**CRYPT\_E\_HASH\_VALUE** = -2146889721

The hash value is not correct.

**CRYPT\_E\_INVALID\_IA5\_STRING** = -2146885598

The string contains a character not in the 7-bit ASCII character set.

**CRYPT\_E\_INVALID\_INDEX** = -2146889720

The index value is not valid.

**CRYPT\_E\_INVALID\_MSG\_TYPE** = -2146889724

Invalid cryptographic message type.

**CRYPT\_E\_INVALID\_NUMERIC\_STRING** = -2146885600

The string contains a non-numeric character.

**CRYPT\_E\_INVALID\_PRINTABLE\_STRING** = -2146885599

The string contains a nonprintable character.

**CRYPT\_E\_INVALID\_X500\_STRING** = -2146885597

The string contains an invalid X500 name attribute key, object identifier (OID), value, or delimiter.

**CRYPT\_E\_ISSUER\_SERIALNUMBER = -2146889715**

Invalid issuer or serial number.

**CRYPT\_E\_MISSING\_PUBKEY\_PARA = -2146885588**

The public key's algorithm parameters are missing.

**CRYPT\_E\_MSG\_ERROR = -2146889727**

An error occurred while performing an operation on a cryptographic message.

**CRYPT\_E\_NOT\_CHAR\_STRING = -2146885596**

The dwValueType for the CERT\_NAME\_VALUE is not one of the character strings. Most likely it is either a CERT\_RDN\_ENCODED\_BLOB or CERT\_TDN\_OCTED\_STRING.

**CRYPT\_E\_NOT\_DECRYPTED = -2146889718**

The content of the cryptographic message has not been decrypted yet.

**CRYPT\_E\_NOT\_FOUND = -2146885628**

Cannot find object or property.

**CRYPT\_E\_NOT\_IN\_CTL = -2146885590**

The subject was not found in a certificate trust list (CTL).

**CRYPT\_E\_NOT\_IN\_REVOCATION\_DATABASE = -2146885612**

The certificate is not in the revocation server's database.

**CRYPT\_E\_NO\_DECRYPT\_CERT = -2146885620**

Cannot find the certificate and private key to use for decryption.

**CRYPT\_E\_NO\_KEY\_PROPERTY = -2146885621**

Cannot find the certificate and private key for decryption.

**CRYPT\_E\_NO\_MATCH = -2146885623**

Cannot find the requested object.

**CRYPT\_E\_NO\_PROVIDER = -2146885626**

No provider was specified for the store or object.

**CRYPT\_E\_NO\_REVOCATION\_CHECK = -2146885614**

The revocation function was unable to check revocation for the certificate.

**CRYPT\_E\_NO\_REVOCATION\_DLL = -2146885615**

No DLL or exported function was found to verify revocation.

**CRYPT\_E\_NO\_SIGNER = -2146885618**

The signed cryptographic message does not have a signer for the specified signer index.

**CRYPT\_E\_NO\_TRUSTED\_SIGNER = -2146885589**

None of the signers of the cryptographic message or certificate trust list is trusted.

**CRYPT\_E\_NO\_VERIFY\_USAGE\_CHECK = -2146885592**

The called function was unable to perform a usage check on the subject.

**CRYPT\_E\_NO\_VERIFY\_USAGE\_DLL = -2146885593**

No DLL or exported function was found to verify subject usage.

**CRYPT\_E\_OID\_FORMAT = -2146889725**

The object identifier is poorly formatted.

**CRYPT\_E\_OSS\_ERROR = -2146881536**

OSS Certificate encode/decode error code base.

**CRYPT\_E\_PENDING\_CLOSE = -2146885617**

Final closure is pending until additional frees or closes.

**CRYPT\_E\_RECIPIENT\_NOT\_FOUND = -2146889717**

The enveloped-data message does not contain the specified recipient.

**CRYPT\_E\_REVOCATION\_OFFLINE = -2146885613**

The revocation function was unable to check revocation because the revocation server was offline.

**CRYPT\_E\_REVOKED = -2146885616**

The certificate is revoked.

**CRYPT\_E\_SECURITY\_SETTINGS = -2146885594**

The cryptographic operation failed due to a local security option setting.

**CRYPT\_E\_SELF\_SIGNED = -2146885625**

The specified certificate is self-signed.

**CRYPT\_E\_SIGNER\_NOT\_FOUND = -2146889714**

Cannot find the original signer.

**CRYPT\_E\_STREAM\_INSUFFICIENT\_DATA = -2146889711**

The streamed cryptographic message requires more data to complete the decode operation.

**CRYPT\_E\_STREAM\_MSG\_NOT\_READY = -2146889712**

The streamed cryptographic message is not ready to return data.

**CRYPT\_E\_UNEXPECTED\_ENCODING = -2146889723**

Unexpected cryptographic message encoding.

**CRYPT\_E\_UNEXPECTED\_MSG\_TYPE = -2146885622**

The certificate does not have a property that references a private key.

**CRYPT\_E\_UNKNOWN\_ALGO = -2146889726**

Unknown cryptographic algorithm.

**CRYPT\_E\_VERIFY\_USAGE\_OFFLINE = -2146885591**

The called function was unable to complete the usage check because the server was offline.

**CRYPT\_I\_NEW\_PROTECTION\_REQUIRED = 593938**

The protected data needs to be reprotected.

**CS\_E\_ADMIN\_LIMIT\_EXCEEDED = -2147221139**

The size of this object exceeds the maximum size set by the administrator.

**CS\_E\_CLASS\_NOTFOUND = -2147221146**

The CLSID was not found in the software installation data in Active Directory.

**CS\_E\_INTERNAL\_ERROR = -2147221137**

An error occurred in the software installation data in Active Directory.

**CS\_E\_INVALID\_PATH = -2147221141**

The path to the software installation data in Active Directory is not correct.

**CS\_E\_INVALID\_VERSION = -2147221145**

The software installation data in Active Directory is corrupt.

**CS\_E\_NETWORK\_ERROR = -2147221140**

A network error interrupted the operation.

**CS\_E\_NOT\_DELETABLE = -2147221147**

Deleting this will break the referential integrity of the software installation data in Active Directory.

**CS\_E\_NO\_CLASSSTORE = -2147221144**

There is no software installation data in Active Directory.

**CS\_E\_OBJECT\_ALREADY\_EXISTS = -2147221142**

The software installation data object in Active Directory already exists.

**CS\_E\_OBJECT\_NOTFOUND = -2147221143**

There is no software installation data object in Active Directory.

**CS\_E\_PACKAGE\_NOTFOUND = -2147221148**

No package in the software installation data in Active Directory meets this criteria.

**CS\_E\_SCHEMA\_MISMATCH = -2147221138**

The schema for the software installation data in Active Directory does not match the required schema.

**DATA\_S\_SAMEFORMATETC = 262448**

Data has same FORMATETC.

**DIGSIG\_E\_CRYPTO = -2146762744**

Unspecified cryptographic failure.

**DIGSIG\_E\_DECODE** = -2146762746

Error due to problem in ASN.1 decoding process.

**DIGSIG\_E\_ENCODE** = -2146762747

Error due to problem in ASN.1 encoding process.

**DIGSIG\_E\_EXTENSIBILITY** = -2146762745

Reading/writing extensions where attributes are appropriate, and vice versa.

**DISP\_E\_ARRAYISLOCKED** = -2147352563

Memory is locked.

**DISP\_E\_BADCALLTYPEEE** = -2147352560

Invalid callee.

**DISP\_E\_BADINDEX** = -2147352565

Invalid index.

**DISP\_E\_BADPARAMCOUNT** = -2147352562

Invalid number of parameters.

**DISP\_E\_BADVARTYPE** = -2147352568

Bad variable type.

**DISP\_E\_BUFFERTOOSMALL** = -2147352557

Buffer too small.

**DISP\_E\_DIVBYZERO** = -2147352558

Division by zero.

**DISP\_E\_EXCEPTION** = -2147352567

Exception occurred.

**DISP\_E\_MEMBERNOTFOUND** = -2147352573

Member not found.

**DISP\_E\_NONAMEDARGS** = -2147352569

No named arguments.

**DISP\_E\_NOTACOLLECTION** = -2147352559

Does not support a collection.

**DISP\_E\_OVERFLOW** = -2147352566

Out of present range.

**DISP\_E\_PARAMNOTFOUND** = -2147352572

Parameter not found.

**DISP\_E\_PARAMNOTOPTIONAL** = -2147352561

Parameter not optional.

**DISP\_E\_TYPEMISMATCH** = -2147352571

Type mismatch.

**DISP\_E\_UNKNOWNINTERFACE** = -2147352575

Unknown interface.

**DISP\_E\_UNKNOWNLCID** = -2147352564

Unknown language.

**DISP\_E\_UNKNOWNNAME** = -2147352570

Unknown name.

**DRAGDROP\_E\_ALREADYREGISTERED** = -2147221247

This window has already been registered as a drop target.

**DRAGDROP\_E\_INVALIDHWND** = -2147221246

Invalid window handle.

**DRAGDROP\_E\_NOTREGISTERED** = -2147221248

Trying to revoke a drop target that has not been registered.

**DRAGDROP\_S\_CANCEL** = 262401

Drag-drop operation canceled.

**DRAGDROP\_S\_DROP** = 262400

Successful drop took place.

**DRAGDROP\_S\_USEDEFAULTCURSORS** = 262402

Use the default cursor.

**DV\_E\_CLIPFORMAT** = -2147221398

Invalid clipboard format.

**DV\_E\_DVASPECT** = -2147221397

Invalid aspects.

**DV\_E\_DVTARGETDEVICE** = -2147221403

Invalid DVTARGETDEVICE structure.

**DV\_E\_DVTARGETDEVICE\_SIZE** = -2147221396

The **tdSize** parameter of the DVTARGETDEVICE structure is invalid.

**DV\_E\_FORMATETC** = -2147221404

Invalid FORMATETC structure.

**DV\_E\_LINDEX** = -2147221400

Invalid lindex.

**DV\_E\_NOIVIEWOBJECT** = -2147221395

Object does not support **IViewObject** interface.

**DV\_E\_STATDATA** = -2147221401

Invalid STATDATA structure.

**DV\_E\_STGMEDIUM** = -2147221402

Invalid STDGMEDIUM structure.

**DV\_E\_TYMED** = -2147221399

Invalid TYMED structure.

**DWM\_E\_COMPOSITIONDISABLED** = -2144980991

{Desktop Composition is Disabled} The operation could not be completed because desktop composition is disabled.

**DWM\_E\_NOT\_QUEUING\_PRESENTS** = -2144980988

{DWM Is Not Queuing Presents for the Specified Window} The window specified is not currently using queued presents.

**DWM\_E\_NO\_REDIRECTION\_SURFACE\_AVAILABLE** = -2144980989

{No DWM Redirection Surface is Available} The Desktop Window Manager (DWM) was unable to provide a redirection surface to complete the DirectX present.

**DWM\_E\_Remoting\_Not\_Supported** = -2144980990

{Some Desktop Composition APIs Are Not Supported While Remoting} Some desktop composition APIs are not supported while remoting. The operation is not supported while running in a remote session.

**ERROR\_ALL\_SIDS\_FILTERED** = -1073151998

The SID filtering operation removed all SIDs.

**ERROR\_AUDITING\_DISABLED** = -1073151999

The specified event is currently not being audited.

**ERROR\_BIZRULES\_NOT\_ENABLED** = -1073151997

Business rule scripts are disabled for the calling application.

**ERROR\_CRED\_REQUIRES\_CONFIRMATION** = -2146865127

The requested credential requires confirmation.

**ERROR\_DISK\_FULL** = -2147024784

There is not enough space on the disk.

**ERROR\_FLT\_ALREADY\_ENLISTED** = -2145452005

The specified Transaction Context is already enlisted in a transaction.

**ERROR\_FLT\_CBDQ\_DISABLED** = -2145452018

The callback data queue has been disabled.

**ERROR\_FLT\_CONTEXT\_ALLOCATION\_NOT\_FOUND** = -2145452010

No registered context allocation definition was found for the given request.

**ERROR\_FLT\_CONTEXT\_ALREADY\_DEFINED** = -2145452030

A context is already defined for this object.

**ERROR\_FLT\_CONTEXT\_ALREADY\_LINKED** = -2145452004

The specified context is already attached to another object.

**ERROR\_FLT\_DELETING\_OBJECT** = -2145452021

The object specified for this action is in the process of being deleted; therefore, the action requested cannot be completed at this time.

**ERROR\_FLT\_DISALLOW\_FAST\_IO** = -2145452028

Disallow the Fast IO path for this operation.

**ERROR\_FLT\_DO\_NOT\_ATTACH** = -2145452017

Do not attach the filter to the volume at this time.

**ERROR\_FLT\_DO\_NOT\_DETACH** = -2145452016

Do not detach the filter from the volume at this time.

**ERROR\_FLT\_DUPLICATE\_ENTRY** = -2145452019

A duplicate handler definition has been provided for an operation.

**ERROR\_FLT\_FILTER\_NOT\_FOUND** = -2145452013

The system could not find the filter specified.

**ERROR\_FLT\_FILTER\_NOT\_READY** = -2145452024

The filter is not ready for attachment to volumes because it has not finished initializing (FltStartFiltering has not been called).

**ERROR\_FLT\_INSTANCE\_ALTITUDE\_COLLISION = -2145452015**

An instance already exists at this altitude on the volume specified.

**ERROR\_FLT\_INSTANCE\_NAME\_COLLISION = -2145452014**

An instance already exists with this name on the volume specified.

**ERROR\_FLT\_INSTANCE\_NOT\_FOUND = -2145452011**

The system could not find the instance specified.

**ERROR\_FLT\_INTERNAL\_ERROR = -2145452022**

The Filter Manager had an internal error from which it cannot recover; therefore, the operation has been failed. This is usually the result of a filter returning an invalid value from a preoperation callback.

**ERROR\_FLT\_INVALID\_ASYNCREQUEST = -2145452029**

Asynchronous requests are not valid for this operation.

**ERROR\_FLT\_INVALID\_CONTEXT\_REGISTRATION = -2145452009**

An invalid parameter was specified during context registration.

**ERROR\_FLT\_INVALID\_NAME\_REQUEST = -2145452027**

An invalid name request was made. The name requested cannot be retrieved at this time.

**ERROR\_FLT\_IO\_COMPLETE = 2031617**

The IO was completed by a filter.

**ERROR\_FLT\_MUST\_BE\_NONPAGED\_POOL = -2145452020**

Nonpaged pool must be used for this type of context.

**ERROR\_FLT\_NAME\_CACHE\_MISS = -2145452008**

The name requested was not found in the Filter Manager name cache and could not be retrieved from the file system.

**ERROR\_FLT\_NOT\_INITIALIZED = -2145452025**

The Filter Manager was not initialized when a filter tried to register. Be sure that the Filter Manager is being loaded as a driver.

## **ERROR\_FLT\_NOT\_SAFE\_TO\_POST\_OPERATION = -2145452026**

Posting this operation to a worker thread for further processing is not safe at this time because it could lead to a system deadlock.

## **ERROR\_FLT\_NO\_DEVICE\_OBJECT = -2145452007**

The requested device object does not exist for the given volume.

## **ERROR\_FLT\_NO\_HANDLER\_DEFINED = -2145452031**

A handler was not defined by the filter for this operation.

## **ERROR\_FLT\_NO\_WAITER\_FOR\_REPLY = -2145452000**

No waiter is present for the filter's reply to this message.

## **ERROR\_FLT\_POST\_OPERATION\_CLEANUP = -2145452023**

The filter must clean up any operation-specific context at this time because it is being removed from the system before the operation is completed by the lower drivers.

## **ERROR\_FLT\_VOLUME\_ALREADY\_MOUNTED = -2145452006**

The specified volume is already mounted.

## **ERROR\_FLT\_VOLUME\_NOT\_FOUND = -2145452012**

The system could not find the volume specified.

## **ERROR\_GRAPHICS\_ADAPTER\_CHAIN\_NOT\_READY = -1071242189**

The chain of linked adapters is not ready to start because of an unknown failure.

## **ERROR\_GRAPHICS\_ADAPTER\_MUST\_HAVE\_AT\_LEAST\_ONE\_SOURCE = -1071242456**

Display adapter must have at least one video present source.

## **ERROR\_GRAPHICS\_ADAPTER\_MUST\_HAVE\_AT\_LEAST\_ONE\_TARGET = -1071242455**

Display adapter must have at least one video present target.

## **ERROR\_GRAPHICS\_ADAPTER\_WAS\_RESET = -1071243261**

Specified display adapter and all of its state has been reset.

## **ERROR\_GRAPHICS\_ALLOCATION\_BUSY = -1071243006**

The allocation is currently busy.

**ERROR\_GRAPHICS\_ALLOCATION\_CLOSED** = -1071242990

The allocation being referenced has been closed permanently.

**ERROR\_GRAPHICS\_ALLOCATION\_CONTENT\_LOST** = -1071242986

The specified allocation lost its content.

**ERROR\_GRAPHICS\_ALLOCATION\_INVALID** = -1071243002

The allocation is invalid.

**ERROR\_GRAPHICS\_CANNOTCOLORCONVERT** = -1071243256

Not able to present with color conversion.

**ERROR\_GRAPHICS\_CANT\_ACCESS\_ACTIVE\_VIDPN** = -1071242429

Specified VidPN is active and cannot be accessed.

**ERROR\_GRAPHICS\_CANT\_EVICT\_PINNED\_ALLOCATION** = -1071242999

The request failed because a pinned allocation cannot be evicted.

**ERROR\_GRAPHICS\_CANT\_LOCK\_MEMORY** = -1071243007

Could not probe and lock the underlying memory of an allocation.

**ERROR\_GRAPHICS\_CANT\_RENDER\_LOCKED\_ALLOCATION** = -1071242991

A locked allocation cannot be used in the current command buffer.

**ERROR\_GRAPHICS\_CHAINLINKS\_NOT\_ENUMERATED** = -1071242190

Some chain adapters in a linked configuration were not enumerated yet.

**ERROR\_GRAPHICS\_CHAINLINKS\_NOT\_POWERED\_ON** = -1071242187

An attempt was made to turn on a lead link display adapter when the chain links were turned off.

**ERROR\_GRAPHICS\_CHAINLINKS\_NOT\_STARTED** = -1071242188

An attempt was made to start a lead link display adapter when the chain links were not started yet.

**ERROR\_GRAPHICS\_CHILD\_DESCRIPTOR\_NOT\_SUPPORTED** = -1071242239

The display adapter child device does not support reporting a descriptor.

**ERROR\_GRAPHICS\_COPP\_NOT\_SUPPORTED = -1071241983**

The driver does not support Certified Output Protection Protocol (COPP).

**ERROR\_GRAPHICS\_DATASET\_IS\_EMPTY = 2499403**

Specified data set (for example, mode set, frequency range set, descriptor set, and topology) is empty.

**ERROR\_GRAPHICS\_DDCCI\_CURRENT\_CURRENT\_VALUE\_GREATER\_THAN\_MAXIMUM\_VALUE = -1071241768**

A continuous VCP code's current value is greater than its maximum value. This error code indicates that a monitor returned an invalid value.

**ERROR\_GRAPHICS\_DDCCI\_INVALID\_DATA = -1071241851**

The data received from the monitor is invalid.

**ERROR\_GRAPHICS\_DDCCI\_INVALID\_MESSAGE\_CHECKSUM = -1071241845**

This error occurred because the value in a DDC/CI message checksum field did not match the message's computed checksum value. This error implies that the data was corrupted while it was being transmitted from a monitor to a computer.

**ERROR\_GRAPHICS\_DDCCI\_INVALID\_MESSAGE\_COMMAND = -1071241847**

An operation failed because a DDC/CI message had an invalid value in its command field.

**ERROR\_GRAPHICS\_DDCCI\_INVALID\_MESSAGE\_LENGTH = -1071241846**

This error occurred because a DDC/CI message length field contained an invalid value.

**ERROR\_GRAPHICS\_DDCCI\_MONITOR\_RETURNED\_INVALID\_TIMING\_STATUS\_BYTE = -1071241850**

A function call failed because a monitor returned an invalid Timing Status byte when the operating system used the Display Data Channel Command Interface (DDC/CI) Get Timing Report and Timing Message command to get a timing report from a monitor.

**ERROR\_GRAPHICS\_DDCCI\_VCP\_NOT\_SUPPORTED = -1071241852**

The monitor does not support the specified Virtual Control Panel (VCP) code.

**ERROR\_GRAPHICS\_DRIVER\_MISMATCH = 1076240393**

The kernel driver detected a version mismatch between it and the user mode driver.

**ERROR\_GRAPHICS\_EMPTY\_ADAPTER\_MONITOR\_MODE\_SUPPORT\_INTERSECTION = -1071242459**

System failed to determine a mode that is supported by both the display adapter and the monitor connected to it.

**ERROR\_GRAPHICS\_FREQUENCYRANGE\_ALREADY\_IN\_SET = -1071242465**

Specified frequency range is already in the specified monitor frequency range set.

**ERROR\_GRAPHICS\_FREQUENCYRANGE\_NOT\_IN\_SET = -1071242467**

Specified frequency range is not in the specified monitor frequency range set.

**ERROR\_GRAPHICS\_GAMMA\_RAMP\_NOT\_SUPPORTED = -1071242424**

Specified gamma ramp is not supported on the respective VidPN present path.

**ERROR\_GRAPHICS\_GPU\_EXCEPTION\_ON\_DEVICE = -1071242752**

Graphics processing unit (GPU) exception is detected on the given device. The device is not able to be scheduled.

**ERROR\_GRAPHICS\_I2C\_DEVICE\_DOES\_NOT\_EXIST = -1071241855**

No device on the I2C bus has the specified address.

**ERROR\_GRAPHICS\_I2C\_ERROR RECEIVING DATA = -1071241853**

An error occurred while receiving data from the device on the I2C bus.

**ERROR\_GRAPHICS\_I2C\_ERROR TRANSMITTING DATA = -1071241854**

An error occurred while transmitting data to the device on the I2C bus.

**ERROR\_GRAPHICS\_I2C\_NOT\_SUPPORTED = -1071241856**

The monitor connected to the specified video output does not have an I2C bus.

**ERROR\_GRAPHICS\_INCOMPATIBLE\_PRIVATE\_FORMAT = -1071242411**

Specified primary surface has a different private format attribute than the current primary surface.

**ERROR\_GRAPHICS\_INCONSISTENT\_DEVICE\_LINK\_STATE = -1071242186**

The adapter link was found to be in an inconsistent state. Not all adapters are in an expected PNP or power state.

**ERROR\_GRAPHICS\_INSUFFICIENT\_DMA\_BUFFER = -1071243263**

The driver needs more direct memory access (DMA) buffer space to complete the requested operation.

**ERROR\_GRAPHICS\_INVALID\_ACTIVE\_REGION = -1071242485**

Specified video signal active region is invalid.

**ERROR\_GRAPHICS\_INVALID\_ALLOCATION\_HANDLE = -1071242988**

An invalid allocation handle is being referenced.

**ERROR\_GRAPHICS\_INVALID\_ALLOCATION\_INSTANCE = -1071242989**

An invalid allocation instance is being referenced.

**ERROR\_GRAPHICS\_INVALID\_ALLOCATION\_USAGE = -1071242992**

The allocation cannot be used from its current segment location for the specified operation.

**ERROR\_GRAPHICS\_INVALID\_COLORBASIS = -1071242434**

Specified color basis is invalid.

**ERROR\_GRAPHICS\_INVALID\_COPYPROTECTION\_TYPE = -1071242417**

Specified VidPN present path copy protection type is invalid.

**ERROR\_GRAPHICS\_INVALID\_DISPLAY\_ADAPTER = -1071243262**

Specified display adapter handle is invalid.

**ERROR\_GRAPHICS\_INVALID\_DRIVER\_MODEL = -1071243260**

The driver stack does not match the expected driver model.

**ERROR\_GRAPHICS\_INVALID\_FREQUENCY = -1071242486**

Specified video signal frequency is invalid.

**ERROR\_GRAPHICS\_INVALID\_GAMMA\_RAMP = -1071242425**

Specified gamma ramp is invalid.

**ERROR\_GRAPHICS\_INVALID\_MODE\_PRUNING\_ALGORITHM = -1071242410**

Specified mode pruning algorithm is invalid.

**ERROR\_GRAPHICS\_INVALID\_MONITORDESCRIPTOR** = -1071242453

Specified monitor descriptor is invalid.

**ERROR\_GRAPHICS\_INVALID\_MONITORDESCRIPTORSET** = -1071242454

Specified monitor descriptor set is invalid.

**ERROR\_GRAPHICS\_INVALID\_MONITOR\_FREQUENCYRANGE** = -1071242468

Specified monitor frequency range is invalid.

**ERROR\_GRAPHICS\_INVALID\_MONITOR\_FREQUENCYRANGESET** = -1071242469

Specified monitor frequency range set is invalid.

**ERROR\_GRAPHICS\_INVALID\_MONITOR\_SOURCEMODESET** = -1071242463

Specified monitor source mode set is invalid.

**ERROR\_GRAPHICS\_INVALID\_MONITOR\_SOURCE\_MODE** = -1071242462

Specified monitor source mode is invalid.

**ERROR\_GRAPHICS\_INVALID\_PATH\_CONTENT\_GEOMETRY\_TRANSFORMATION** = -1071242427

Specified VidPN present path content geometry transformation is invalid.

**ERROR\_GRAPHICS\_INVALID\_PATH\_CONTENT\_TYPE** = -1071242418

Specified VidPN present path content type is invalid.

**ERROR\_GRAPHICS\_INVALID\_PATH\_IMPORTANCE\_ORDINAL** = -1071242428

Specified VidPN present path importance ordinal is invalid.

**ERROR\_GRAPHICS\_INVALID\_PIXELFORMAT** = -1071242435

Specified pixel format is invalid.

**ERROR\_GRAPHICS\_INVALID\_PIXELVALUEACCESSIONMODE** = -1071242433

Specified pixel value access mode is invalid.

**ERROR\_GRAPHICS\_INVALID\_PRIMARYSURFACE\_SIZE** = -1071242438

Specified primary surface size is invalid.

**ERROR\_GRAPHICS\_INVALID\_SCANLINE\_ORDERING = -1071242414**

The specified scan line ordering type is invalid.

**ERROR\_GRAPHICS\_INVALID\_STRIDE = -1071242436**

Specified stride is invalid.

**ERROR\_GRAPHICS\_INVALID\_TOTAL\_REGION = -1071242484**

Specified video signal total region is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDEOPRESENTSOURCESET = -1071242475**

Specified video present source set is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDEOPRESENTTARGETSET = -1071242474**

Specified video present target set is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDEO\_PRESENT\_SOURCE = -1071242492**

Specified video present source is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDEO\_PRESENT\_SOURCE\_MODE = -1071242480**

Specified video present source mode is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDEO\_PRESENT\_TARGET = -1071242491**

Specified video present target is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDEO\_PRESENT\_TARGET\_MODE = -1071242479**

Specified video present target mode is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDPN = -1071242493**

Specified VidPN handle is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDPN\_PRESENT\_PATH = -1071242471**

Specified VidPN present path is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDPN\_SOURCemodeSET = -1071242488**

Specified VidPN source mode set is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDPN\_TARGETMODESET = -1071242487**

Specified VidPN target mode set is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDPN\_TARGET\_SUBSET\_TYPE = -1071242449**

Specified video present target subset type is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDPN\_TOPOLOGY = -1071242496**

Specified video present network (VidPN) topology is invalid.

**ERROR\_GRAPHICS\_INVALID\_VIDPN\_TOPOLOGY\_RECOMMENDATION\_REASON = -1071242419**

Specified VidPN topology recommendation reason is invalid.

**ERROR\_GRAPHICS\_INVALID\_VISIBLEREGION\_SIZE = -1071242437**

Specified visible region size is invalid.

**ERROR\_GRAPHICS\_LEADLINK\_NOT\_ENUMERATED = -1071242191**

Lead adapter in a linked configuration was not enumerated yet.

**ERROR\_GRAPHICS\_LEADLINK\_START\_DEFERRED = 1076241463**

Starting the lead-link adapter has been deferred temporarily.

**ERROR\_GRAPHICS\_MCA\_INTERNAL\_ERROR = -1071241848**

An internal Monitor Configuration API error occurred.

**ERROR\_GRAPHICS\_MCA\_INVALID\_CAPABILITIES\_STRING = -1071241849**

The monitor returned a DDC/CI capabilities string that did not comply with the ACCESS.bus 3.0, DDC/CI 1.1 or MCCS 2 Revision 1 specification.

**ERROR\_GRAPHICS\_MCA\_INVALID\_TECHNOLOGY\_TYPE\_RETURNED = -1071241762**

The monitor returned an invalid monitor technology type. CRT, plasma, and LCD (TFT) are examples of monitor technology types. This error implies that the monitor violated the MCCS 2.0 or MCCS 2.0 Revision 1 specification.

**ERROR\_GRAPHICS\_MCA\_INVALID\_VCP\_VERSION = -1071241767**

The monitor's VCP Version (0xDF) VCP code returned an invalid version value.

## **ERROR\_GRAPHICS\_MCA\_MCCS\_VERSION\_MISMATCH = -1071241765**

The MCCS version in a monitor's mccs\_ver capability does not match the MCCS version the monitor reports when the VCP Version (0xDF) VCP code is used.

## **ERROR\_GRAPHICS\_MCA\_MONITOR\_VIOLATES\_MCCS\_SPECIFICATION = -1071241766**

The monitor does not comply with the Monitor Control Command Set (MCCS) specification it claims to support.

## **ERROR\_GRAPHICS\_MCA\_UNSUPPORTED\_COLOR\_TEMPERATURE = -1071241761**

The SetMonitorColorTemperature() caller passed a color temperature to it that the current monitor did not support. CRT, plasma, and LCD (TFT) are examples of monitor technology types. This error implies that the monitor violated the MCCS 2.0 or MCCS 2.0 Revision 1 specification.

## **ERROR\_GRAPHICS\_MCA\_UNSUPPORTED\_MCCS\_VERSION = -1071241764**

The Monitor Configuration API only works with monitors that support the MCCS 1.0 specification, the MCCS 2.0 specification, or the MCCS 2.0 Revision 1 specification.

## **ERROR\_GRAPHICS\_MODE\_ALREADY\_IN\_MODESET = -1071242476**

Specified mode is already in the mode set.

## **ERROR\_GRAPHICS\_MODE\_ID\_MUST\_BE\_UNIQUE = -1071242460**

ID of the specified mode is already used by another mode in the set.

## **ERROR\_GRAPHICS\_MODE\_NOT\_IN\_MODESET = -1071242422**

Specified mode is not in the specified mode set.

## **ERROR\_GRAPHICS\_MODE\_NOT\_PINNED = 2499335**

No mode is pinned on the specified VidPN source or target.

## **ERROR\_GRAPHICS\_MONITOR\_DESCRIPTOR\_ALREADY\_IN\_SET = -1071242451**

Specified descriptor is already in the specified monitor descriptor set.

## **ERROR\_GRAPHICS\_MONITOR\_DESCRIPTOR\_ID\_MUST\_BE\_UNIQUE = -1071242450**

ID of the specified monitor descriptor is already used by another descriptor in the set.

## **ERROR\_GRAPHICS\_MONITOR\_DESCRIPTOR\_NOT\_IN\_SET = -1071242452**

Specified descriptor is not in the specified monitor descriptor set.

**ERROR\_GRAPHICS\_MONITOR\_COULD\_NOT\_BE\_ASSOCIATED\_WITH\_ADAPTER** = -1071242444

Newly arrived monitor could not be associated with a display adapter.

**ERROR\_GRAPHICS\_MONITOR\_NOT\_CONNECTED** = -1071242440

There is no monitor connected on the specified video present target.

**ERROR\_GRAPHICS\_MULTISAMPLING\_NOT\_SUPPORTED** = -1071242423

Multisampling is not supported on the respective VidPN present path.

**ERROR\_GRAPHICS\_NOT\_A\_LINKED\_ADAPTER** = -1071242192

The display adapter is not linked to any other adapters.

**ERROR\_GRAPHICS\_NOT\_EXCLUSIVE\_MODE\_OWNER** = -1071243264

Exclusive mode ownership is needed to create unmanaged primary allocation.

**ERROR\_GRAPHICS\_NOT\_POST\_DEVICE\_DRIVER** = -1071242184

The driver trying to start is not the same as the driver for the posted display adapter.

**ERROR\_GRAPHICS\_NO\_ACTIVE\_VIDPN** = -1071242442

VidPN manager of the display adapter in question does not have an active VidPN.

**ERROR\_GRAPHICS\_NO\_AVAILABLE\_IMPORTANCE\_ORDINALS** = -1071242412

All available importance ordinals are already used in the specified topology.

**ERROR\_GRAPHICS\_NO\_AVAILABLE\_VIDPN\_TARGET** = -1071242445

Specified VidPN source cannot be used because there is no available VidPN target to connect it to.

**ERROR\_GRAPHICS\_NO\_DISPLAY\_MODE\_MANAGEMENT\_SUPPORT** = -1071242431

Failed to acquire display mode management interface.

**ERROR\_GRAPHICS\_NO\_MORE\_ELEMENTS\_IN\_DATASET** = 2499404

Specified data set (for example, mode set, frequency range set, descriptor set, and topology) does not contain any more elements.

**ERROR\_GRAPHICS\_NO\_PREFERRED\_MODE** = 2499358

Specified mode set does not specify preference for one of its modes.

**ERROR\_GRAPHICS\_NO\_RECOMMENDED\_FUNCTIONAL\_VIDPN = -1071242461**

Miniport does not have any recommendation regarding the request to provide a functional VidPN given the current display adapter configuration.

**ERROR\_GRAPHICS\_NO\_RECOMMENDED\_VIDPN\_TOPOLOGY = -1071242470**

Miniport has no recommendation for augmentation of the specified VidPN topology.

**ERROR\_GRAPHICS\_NO\_VIDEO\_MEMORY = -1071243008**

Not enough video memory available to complete the operation.

**ERROR\_GRAPHICS\_NO\_VIDPNMGR = -1071242443**

Display adapter in question does not have an associated VidPN manager.

**ERROR\_GRAPHICS\_ONLY\_CONSOLE\_SESSION\_SUPPORTED = -1071241760**

This function can be used only if a program is running in the local console session. It cannot be used if the program is running on a remote desktop session or on a terminal server session.

**ERROR\_GRAPHICS\_OPM\_ALL\_HDCP\_HARDWARE\_ALREADY\_IN\_USE = -1071241960**

IOPMVideoOutput's Configure() method cannot enable HDCP because the display adapter's HDCP hardware is already being used by other physical outputs.

**ERROR\_GRAPHICS\_OPM\_HDCP\_SRM\_NEVER\_SET = -1071241962**

IOPMVideoOutput's GetInformation() method cannot return the version of the SRM being used because the application never successfully passed an SRM to the video output.

**ERROR\_GRAPHICS\_OPM\_INTERNAL\_ERROR = -1071241973**

An internal error caused this operation to fail.

**ERROR\_GRAPHICS\_OPM\_INVALID\_ENCRYPTED\_PARAMETERS = -1071241981**

The specified encrypted parameters are invalid.

**ERROR\_GRAPHICS\_OPM\_INVALID\_HANDLE = -1071241972**

The function failed because the caller passed in an invalid OPM user mode handle.

**ERROR\_GRAPHICS\_OPM\_INVALID\_POINTER = -1071241974**

The function failed because an invalid pointer parameter was passed to it. A pointer parameter is invalid if it is null, it points to an invalid address, it points to a kernel mode address, or it is not correctly aligned.

#### **ERROR\_GRAPHICS\_OPM\_INVALID\_SRM = -1071241966**

The High-Bandwidth Digital Content Protection (HDCP) System Renewability Message (SRM) passed to this function did not comply with section 5 of the HDCP 1.1 specification.

#### **ERROR\_GRAPHICS\_OPM\_NOT\_SUPPORTED = -1071241984**

The driver does not support Output Protection Manager (OPM).

#### **ERROR\_GRAPHICS\_OPM\_NO\_VIDEO\_OUTPUTS\_EXIST = -1071241979**

The GDI display device passed to this function does not have any active video outputs.

#### **ERROR\_GRAPHICS\_OPM\_OUTPUT\_DOES\_NOT\_SUPPORT\_ACP = -1071241964**

The video output cannot enable analog copy protection because it does not support it.

#### **ERROR\_GRAPHICS\_OPM\_OUTPUT\_DOES\_NOT\_SUPPORT\_CGMSA = -1071241963**

The video output cannot enable the Content Generation Management System Analog (CGMS-A) protection technology because it does not support it.

#### **ERROR\_GRAPHICS\_OPM\_OUTPUT\_DOES\_NOT\_SUPPORT\_HDCP = -1071241965**

The video output cannot enable the HDCP system because it does not support it.

#### **ERROR\_GRAPHICS\_OPM\_PARAMETER\_ARRAY\_TOO\_SMALL = -1071241980**

An array passed to a function cannot hold all of the data that the function wants to put in it.

#### **ERROR\_GRAPHICS\_OPM\_RESOLUTION\_TOO\_HIGH = -1071241961**

IOPMVideoOutput's Configure() method cannot enable the specified output protection technology because the output's screen resolution is too high.

#### **ERROR\_GRAPHICS\_OPM\_SESSION\_TYPE\_CHANGE\_IN\_PROGRESS = -1071241958**

IOPMVideoOutput's methods cannot be called when a session is changing its type. There are currently three types of sessions: console, disconnected and remote (remote desktop protocol [RDP] or Independent Computing Architecture [ICA]).

#### **ERROR\_GRAPHICS\_OPM\_SPANNING\_MODE\_ENABLED = -1071241969**

A video output could not be created because the frame buffer is in spanning mode.

**ERROR\_GRAPHICS\_OPM\_THEATER\_MODE\_ENABLED = -1071241968**

A video output could not be created because the frame buffer is in theater mode.

**ERROR\_GRAPHICS\_OPM\_VIDEO\_OUTPUT\_NO\_LONGER\_EXISTS = -1071241959**

The operating system asynchronously destroyed this OPM video output because the operating system's state changed. This error typically occurs because the monitor physical device object (PDO) associated with this video output was removed, the monitor PDO associated with this video output was stopped, the video output's session became a nonconsole session or the video output's desktop became an inactive desktop.

**ERROR\_GRAPHICS\_PATH\_ALREADY\_IN\_TOPOLOGY = -1071242477**

Specified video present path is already in the VidPN topology.

**ERROR\_GRAPHICS\_PATH\_CONTENT\_GEOMETRY\_TRANSFORMATION\_NOT\_PINNED = 2499409**

Specified content transformation is not pinned on the specified VidPN present path.

**ERROR\_GRAPHICS\_PATH\_CONTENT\_GEOMETRY\_TRANSFORMATION\_NOT\_SUPPORTED = -1071242426**

Specified content geometry transformation is not supported on the respective VidPN present path.

**ERROR\_GRAPHICS\_PATH\_NOT\_IN\_TOPOLOGY = -1071242457**

Specified present path is not in the VidPN topology.

**ERROR\_GRAPHICS\_PINNED\_MODE\_MUST\_REMAIN\_IN\_SET = -1071242478**

Pinned mode must remain in the set on VidPN's cofunctional modality enumeration.

**ERROR\_GRAPHICS\_PMEA\_INVALID\_D3D\_DEVICE = -1071241769**

The Direct3D (D3D) device's GDI display device no longer exists, is not attached to the desktop, or is a mirroring display device.

**ERROR\_GRAPHICS\_PMEA\_INVALID\_MONITOR = -1071241770**

The HMONITOR no longer exists, is not attached to the desktop, or corresponds to a mirroring device.

**ERROR\_GRAPHICS\_POLLING\_TOO\_FREQUENTLY = 1076241465**

The display adapter is being polled for children too frequently at the same polling level.

**ERROR\_GRAPHICS\_PRESENT\_DENIED = -1071243257**

Not able to present due to denial of desktop access.

**ERROR\_GRAPHICS\_PRESENT\_MODE\_CHANGED = -1071243259**

Present happened but ended up into the changed desktop mode.

**ERROR\_GRAPHICS\_PRESENT\_OCCLUDED = -1071243258**

Nothing to present due to desktop occlusion.

**ERROR\_GRAPHICS\_PVP\_DISPLAY\_DEVICE\_NOT\_ATTACHED\_TO\_DESKTOP = -1071241977**

This function failed because the GDI display device passed to it was not attached to the Windows desktop.

**ERROR\_GRAPHICS\_PVP\_HFS\_FAILED = -1071241967**

The function call failed because the display adapter's hardware functionality scan failed to validate the graphics hardware.

**ERROR\_GRAPHICS\_PVP\_INVALID\_CERTIFICATE\_LENGTH = -1071241970**

A certificate could not be returned because the certificate buffer passed to the function was too small.

**ERROR\_GRAPHICS\_PVP\_MIRRORING\_DEVICES\_NOT\_SUPPORTED = -1071241976**

The PVP does not support mirroring display devices because they do not have video outputs.

**ERROR\_GRAPHICS\_PVP\_NO\_DISPLAY\_DEVICE\_CORRESPONDS\_TO\_NAME = -1071241978**

The protected video path (PVP) cannot find an actual GDI display device that corresponds to the passed-in GDI display device name.

**ERROR\_GRAPHICS\_PVP\_NO\_MONITORS\_CORRESPOND\_TO\_DISPLAY\_DEVICE = -1071241971**

This function failed because the GDI device passed to it did not have any monitors associated with it.

**ERROR\_GRAPHICS\_RESOURCES\_NOT RELATED = -1071242448**

Two or more of the specified resources are not related to each other, as defined by the interface semantics.

**ERROR\_GRAPHICS\_SOURCE\_ALREADY\_IN\_SET = -1071242473**

Specified video present source is already in the video present source set.

**ERROR\_GRAPHICS\_SOURCE\_ID\_MUST\_BE\_UNIQUE = -1071242447**

ID of the specified video present source is already used by another source in the set.

**ERROR\_GRAPHICS\_SOURCE\_NOT\_IN\_TOPOLOGY = -1071242439**

Specified source is not part of the specified VidPN topology.

**ERROR\_GRAPHICS\_SPECIFIED\_CHILD\_ALREADY\_CONNECTED = -1071242240**

Specified display adapter child device already has an external device connected to it.

**ERROR\_GRAPHICS\_STALE\_MODESET = -1071242464**

Specified mode set is stale. Reacquire the new mode set.

**ERROR\_GRAPHICS\_STALE\_VIDPN\_TOPOLOGY = -1071242441**

Specified VidPN topology is stale. Re-acquire the new topology.

**ERROR\_GRAPHICS\_START\_DEFERRED = 1076241466**

Starting the adapter has been deferred temporarily.

**ERROR\_GRAPHICS\_TARGET\_ALREADY\_IN\_SET = -1071242472**

Specified video present target is already in the video present target set.

**ERROR\_GRAPHICS\_TARGET\_ID\_MUST\_BE\_UNIQUE = -1071242446**

ID of the specified video present target is already used by another target in the set.

**ERROR\_GRAPHICS\_TARGET\_NOT\_IN\_TOPOLOGY = -1071242432**

Specified target is not part of the specified VidPN topology.

**ERROR\_GRAPHICS\_TOO\_MANY\_REFERENCES = -1071243005**

An object being referenced has reached the maximum reference count already and cannot be referenced further.

**ERROR\_GRAPHICS\_TOPOLOGY\_CHANGES\_NOT\_ALLOWED = -1071242413**

Topology changes are not allowed for the specified VidPN.

**ERROR\_GRAPHICS\_TRY AGAIN\_LATER = -1071243004**

A problem could not be solved due to some currently existing condition. The problem should be tried again later.

#### **ERROR\_GRAPHICS\_TRY AGAIN NOW = -1071243003**

A problem could not be solved due to some currently existing condition. The problem should be tried again immediately.

#### **ERROR\_GRAPHICS\_UAB\_NOT\_SUPPORTED = -1071241982**

The driver does not support a user-accessible bus (UAB).

#### **ERROR\_GRAPHICS\_UNASSIGNED\_MODESET\_ALREADY\_EXISTS = -1071242416**

No more than one unassigned mode set can exist at any given time for a given VidPN source or target.

#### **ERROR\_GRAPHICS\_UNKNOWN\_CHILD\_STATUS = 1076241455**

Child device presence was not reliably detected.

#### **ERROR\_GRAPHICS\_UNSWIZZLING\_APERTURE\_UNAVAILABLE = -1071243001**

No more unswizzling apertures are currently available.

#### **ERROR\_GRAPHICS\_UNSWIZZLING\_APERTURE\_UNSUPPORTED = -1071243000**

The current allocation cannot be unswizzled by an aperture.

#### **ERROR\_GRAPHICS\_VIDEO\_PRESENT\_TARGETS\_LESS\_THAN\_SOURCES = -1071242458**

Number of video present targets must be greater than or equal to the number of video present sources.

#### **ERROR\_GRAPHICS\_VIDPN\_MODALITY\_NOT\_SUPPORTED = -1071242490**

Specified VidPN modality is not supported (for example, at least two of the pinned modes are not cofunctional).

#### **ERROR\_GRAPHICS\_VIDPN\_SOURCE\_IN\_USE = -1071242430**

Specified VidPN source is already owned by a display mode manager (DMM) client and cannot be used until that client releases it.

#### **ERROR\_GRAPHICS\_VIDPN\_TOPOLOGY\_CURRENTLY\_NOT\_SUPPORTED = -1071242494**

Specified VidPN topology is valid but is not supported by the display adapter at this time, due to current allocation of its resources.

**ERROR\_GRAPHICS\_VIDPN\_TOPOLOGY\_NOT\_SUPPORTED = -1071242495**

Specified VidPN topology is valid but is not supported by this model of the display adapter.

**ERROR\_GRAPHICS\_WRONG\_ALLOCATION\_DEVICE = -1071242987**

The allocation being referenced does not belong to the current device.

**ERROR\_HUNG\_DISPLAY\_DRIVER\_THREAD = -2144993279**

{Display Driver Stopped Responding} The %hs display driver has stopped working normally. Save your work and reboot the system to restore full display functionality. The next time you reboot the machine a dialog will be displayed giving you a chance to report this failure to Microsoft.

**ERROR\_MONITOR\_INVALID\_DESCRIPTOR\_CHECKSUM = -1071247357**

Checksum of the obtained monitor descriptor is invalid.

**ERROR\_MONITOR\_INVALID\_DETAILED\_TIMING\_BLOCK = -1071247351**

Monitor descriptor contains an invalid detailed timing block.

**ERROR\_MONITOR\_INVALID\_SERIAL\_NUMBER\_MONDESC\_BLOCK = -1071247354**

Provided monitor descriptor block is either corrupted or does not contain the monitor's detailed serial number.

**ERROR\_MONITOR\_INVALID\_STANDARD\_TIMING\_BLOCK = -1071247356**

Monitor descriptor contains an invalid standard timing block.

**ERROR\_MONITOR\_INVALID\_USER\_FRIENDLY\_MONDESC\_BLOCK = -1071247353**

Provided monitor descriptor block is either corrupted or does not contain the monitor's user-friendly name.

**ERROR\_MONITOR\_NO\_DESCRIPTOR = -2144989183**

Monitor descriptor could not be obtained.

**ERROR\_MONITOR\_NO\_MORE\_DESCRIPTOR\_DATA = -1071247352**

There is no monitor descriptor data at the specified (offset, size) region.

**ERROR\_MONITOR\_UNKNOWN\_DESCRIPTOR\_FORMAT = -2144989182**

Format of the obtained monitor descriptor is not supported by this release.

**ERROR\_MONITOR\_WMI\_DATABLOCK\_REGISTRATION\_FAILED = -1071247355**

Windows Management Instrumentation (WMI) data block registration failed for one of the MSMonitorClass WMI subclasses.

**ERROR\_NDIS\_ADAPTER\_NOT\_FOUND = -2144075770**

Failed to find the network interface, or the network interface is not ready.

**ERROR\_NDIS\_ADAPTER\_NOT\_READY = -2144075759**

The network interface is not ready to complete this operation.

**ERROR\_NDIS\_ADAPTER\_REMOVED = -2144075752**

The network interface has been removed.

**ERROR\_NDIS\_ALREADY\_MAPPED = -2144075747**

An attempt was made to map a file that is already mapped.

**ERROR\_NDIS\_BAD\_CHARACTERISTICS = -2144075771**

An invalid characteristics table was used.

**ERROR\_NDIS\_BAD\_VERSION = -2144075772**

An invalid version was specified.

**ERROR\_NDIS\_BUFFER\_TOO\_SHORT = -2144075754**

The length of the buffer submitted for this operation is too small.

**ERROR\_NDIS\_DEVICE FAILED = -2144075768**

The network interface has encountered an internal unrecoverable failure.

**ERROR\_NDIS\_DOT11\_AUTO\_CONFIG\_ENABLED = -2144067584**

The wireless local area network (LAN) interface is in auto-configuration mode and does not support the requested parameter change operation.

**ERROR\_NDIS\_DOT11\_MEDIA\_IN\_USE = -2144067583**

The wireless LAN interface is busy and cannot perform the requested operation.

**ERROR\_NDIS\_DOT11\_POWER\_STATE\_INVALID = -2144067582**

The wireless LAN interface is shutting down and does not support the requested operation.

**ERROR\_NDIS\_ERROR\_READING\_FILE = -2144075748**

An error occurred while the NDIS tried to map the file.

**ERROR\_NDIS\_FILE\_NOT\_FOUND = -2144075749**

An attempt was made to map a file that cannot be found.

**ERROR\_NDIS\_GROUP\_ADDRESS\_IN\_USE = -2144075750**

An attempt was made to remove a token ring group address that is in use by other components.

**ERROR\_NDIS\_INDICATION\_REQUIRED = 3407873**

The request will be completed later by a Network Driver Interface Specification (NDIS) status indication.

**ERROR\_NDIS\_INTERFACE\_CLOSING = -2144075774**

The binding to the network interface is being closed.

**ERROR\_NDIS\_INTERFACE\_NOT\_FOUND = -2144075733**

The network interface was not found.

**ERROR\_NDIS\_INVALID\_ADDRESS = -2144075742**

The network address used in the request is invalid.

**ERROR\_NDIS\_INVALID\_DATA = -2144075755**

The data used for this operation is not valid.

**ERROR\_NDIS\_INVALID\_DEVICE\_REQUEST = -2144075760**

The specified request is not a valid operation for the target device.

**ERROR\_NDIS\_INVALID\_LENGTH = -2144075756**

The length of the buffer submitted for this operation is not valid.

**ERROR\_NDIS\_INVALID\_OID = -2144075753**

The network interface does not support this OID.

**ERROR\_NDIS\_INVALID\_PACKET = -2144075761**

An attempt was made to send an invalid packet on a network interface.

**ERROR\_NDIS\_INVALID\_PORT = -2144075731**

The specified port does not exist on this network interface.

**ERROR\_NDIS\_INVALID\_PORT\_STATE = -2144075730**

The current state of the specified port on this network interface does not support the requested operation.

**ERROR\_NDIS\_MEDIA\_DISCONNECTED = -2144075745**

The I/O operation failed because network media is disconnected or the wireless access point is out of range.

**ERROR\_NDIS\_MULTICAST\_EXISTS = -2144075766**

An attempt was made to add a duplicate multicast address to the list.

**ERROR\_NDIS\_MULTICAST\_FULL = -2144075767**

The multicast list on the network interface is full.

**ERROR\_NDIS\_MULTICAST\_NOT\_FOUND = -2144075765**

An attempt was made to remove a multicast address that was never added.

**ERROR\_NDIS\_NOT\_SUPPORTED = -2144075589**

The network interface does not support this request.

**ERROR\_NDIS\_OPEN\_FAILED = -2144075769**

Failed to open the network interface.

**ERROR\_NDIS\_PAUSED = -2144075734**

The offload operation on the network interface has been paused.

**ERROR\_NDIS\_REQUEST\_ABORTED = -2144075764**

The network interface aborted the request.

**ERROR\_NDIS\_RESET\_IN\_PROGRESS** = -2144075763

The network interface cannot process the request because it is being reset.

**ERROR\_NDIS\_RESOURCE\_CONFLICT** = -2144075746

An attempt to allocate a hardware resource failed because the resource is used by another component.

**ERROR\_NDIS\_UNSUPPORTED\_MEDIA** = -2144075751

The network interface does not support this media type.

**ERROR\_NDIS\_UNSUPPORTED\_REVISION** = -2144075732

The revision number specified in the structure is not supported.

**ERROR\_NOT\_SUPPORTED** = -2147024846

The server cannot support a client request for a dynamic virtual channel.

**EVENT\_E\_ALL\_SUBSCRIBERS\_FAILED** = -2147220991

An event was unable to invoke any of the subscribers.

**EVENT\_E\_CANT MODIFY\_OR\_DELETE\_CONFIGURED\_OBJECT** = -2147220978

Cannot modify or delete an object that was added using the COM+ Administrative SDK.

**EVENT\_E\_CANT MODIFY\_OR\_DELETE\_UNCONFIGURED\_OBJECT** = -2147220979

Cannot modify or delete an object that was not added using the COM+ Administrative SDK.

**EVENT\_E\_COMPLUS\_NOT\_INSTALLED** = -2147220980

COM+ is required for this operation, but it is not installed.

**EVENT\_E\_INTERNALERROR** = -2147220986

An unexpected internal error was detected.

**EVENT\_E\_INTERNALEXCEPTION** = -2147220987

An unexpected exception was raised.

**EVENT\_E\_INVALID\_EVENT\_CLASS\_PARTITION** = -2147220977

The event class for this subscription is in an invalid partition.

**EVENT\_E\_INVALID\_PER\_USER\_SID = -2147220985**

The owner security identifier (SID) on a per-user subscription does not exist.

**EVENT\_E\_MISSING\_EVENTCLASS = -2147220982**

A subscription cannot be stored unless its event class already exists.

**EVENT\_E\_NOT\_ALL\_REMOVED = -2147220981**

Not all the objects requested could be removed.

**EVENT\_E\_PER\_USER\_SID\_NOT\_LOGGED\_ON = -2147220976**

The owner of the PerUser subscription is not logged on to the system specified.

**EVENT\_E\_QUERYFIELD = -2147220988**

An invalid field name was used in a query string.

**EVENT\_E\_QUERYSYNTAX = -2147220989**

A syntax error occurred trying to evaluate a query string.

**EVENT\_E\_TOO\_MANY\_METHODS = -2147220983**

An interface has too many methods to fire events from.

**EVENT\_E\_USER\_EXCEPTION = -2147220984**

A user-supplied component or subscriber raised an exception.

**EVENT\_S\_NOSUBSCRIBERS = 262658**

An event was delivered, but there were no subscribers.

**EVENT\_S\_SOME\_SUBSCRIBERS\_FAILED = 262656**

An event was able to invoke some, but not all, of the subscribers.

**E\_ABORT = -2147467260**

Operation aborted.

**E\_ACCESSDENIED = -2147024891**

General access denied error.

**E\_FAIL** = -2147467259

Unspecified failure.

**E\_HANDLE** = -2147024890

Handle that is not valid.

**E\_INVALIDARG** = -2147024809

One or more arguments are not valid.

**E\_NOINTERFACE** = -2147467262

No such interface supported.

**E\_NOTIMPL** = -2147467263

Not implemented.

**E\_OUTOFMEMORY** = -2147024882

Failed to allocate necessary memory.

**E\_PENDING** = -2147483638

The data necessary to complete this operation is not yet available.

**E\_POINTER** = -2147467261

Pointer that is not valid.

**E\_UNEXPECTED** = -2147418113

Catastrophic failure.

**FVE\_E\_ACTION\_NOT\_ALLOWED** = -2144272375

Requested action was denied by the full-volume encryption (FVE) control engine.

**FVE\_E\_AD\_ATTR\_NOT\_SET** = -2144272370

The attribute was not set.

**FVE\_E\_AD\_GUID\_NOT\_FOUND** = -2144272369

The specified GUID could not be found.

**FVE\_E\_AD\_INSUFFICIENT\_BUFFER = -2144272358**

The buffer supplied to a function was insufficient to contain the returned data.

**FVE\_E\_AD\_INVALID\_DATASIZE = -2144272372**

The size of the data obtained from Active Directory was not expected.

**FVE\_E\_AD\_INVALID\_DATATYPE = -2144272373**

The type of data obtained from Active Directory was not expected.

**FVE\_E\_AD\_NO\_VALUES = -2144272371**

The attribute read from Active Directory has no (zero) values.

**FVE\_E\_AD\_SCHEMA\_NOT\_INSTALLED = -2144272374**

The Active Directory forest does not contain the required attributes and classes to host FVE or TPM information.

**FVE\_E\_AUTOUNLOCK\_ENABLED = -2144272343**

Auto-unlock information for data volumes is present on the boot OS volume.

**FVE\_E\_BAD\_DATA = -2144272362**

Data supplied is malformed.

**FVE\_E\_BAD\_INFORMATION = -2144272368**

The control block for the encrypted volume is not valid.

**FVE\_E\_BOOTABLE\_CDDVD = -2144272336**

A bootable CD/DVD is in the system. Remove the CD/DVD and reboot the system.

**FVE\_E\_CANNOT\_ENCRYPT\_NO\_KEY = -2144272338**

A key must be specified before encryption can begin.

**FVE\_E\_CANNOT\_SET\_FVEK\_ENCRYPTED = -2144272339**

The volume encryption algorithm and key cannot be set on an encrypted volume.

**FVE\_E\_CLUSTERING\_NOT\_SUPPORTED = -2144272354**

Cluster configurations are not supported.

**FVE\_E\_CONV\_READ = -2144272357**

A read operation failed while converting the volume.

**FVE\_E\_CONV\_WRITE = -2144272356**

A write operation failed while converting the volume.

**FVE\_E\_FAILED\_AUTHENTICATION = -2144272345**

BitLocker recovery authentication failed.

**FVE\_E\_FAILED\_BAD\_FS = -2144272364**

The file system is inconsistent. Run CHKDSK.

**FVE\_E\_FAILED\_SECTOR\_SIZE = -2144272346**

The volume encryption algorithm cannot be used on this sector size.

**FVE\_E\_FAILED\_WRONG\_FS = -2144272365**

The volume cannot be encrypted because the file system is not supported.

**FVE\_E\_FOREIGN\_VOLUME = -2144272349**

This volume cannot be bound to a TPM.

**FVE\_E\_KEY\_REQUIRED = -2144272355**

One or more key protection mechanisms are required for this volume.

**FVE\_E\_LOCKED\_VOLUME = -2144272384**

The volume must be unlocked before it can be used.

**FVE\_E\_NOT\_ACTIVATED = -2144272376**

This volume has not been provisioned for encryption.

**FVE\_E\_NOT\_DATA\_VOLUME = -2144272359**

The volume specified is not a data volume.

**FVE\_E\_NOT\_ENCRYPTED = -2144272383**

The volume is fully decrypted and no key is available.

**FVE\_E\_NOT\_OS\_VOLUME = -2144272344**

The volume specified is not the boot OS volume.

**FVE\_E\_NOT\_SUPPORTED = -2144272363**

This volume cannot be encrypted.

**FVE\_E\_NO\_BOOTMGR\_METRIC = -2144272379**

The BOOTMGR is not being measured by the TPM.

**FVE\_E\_NO\_BOOTSECTOR\_METRIC = -2144272380**

The master boot record (MBR) is not TPM-aware.

**FVE\_E\_NO\_MBR\_METRIC = -2144272381**

The firmware does not use a TPM to perform initial program load (IPL) measurement.

**FVE\_E\_NO TPM BIOS = -2144272382**

The firmware does not support using a TPM during boot.

**FVE\_E\_OS\_NOT\_PROTECTED = -2144272352**

The boot OS volume is not being protected via FVE.

**FVE\_E\_OVERLAPPED\_UPDATE = -2144272348**

The control block for the encrypted volume was updated by another thread. Try again.

**FVE\_E\_POLICY\_PASSWORD\_REQUIRED = -2144272340**

Group policy requires a recovery password before encryption can begin.

**FVE\_E\_PROTECTION\_DISABLED = -2144272351**

All protection mechanisms are effectively disabled (clear key exists).

**FVE\_E\_PROTECTOR\_EXISTS = -2144272335**

An instance of this key protector already exists on the volume.

**FVE\_E\_RECOVERY\_KEY\_REQUIRED = -2144272350**

A recovery key protection mechanism is required.

**FVE\_E\_RELATIVE\_PATH = -2144272334**

The file cannot be saved to a relative path.

**FVE\_E\_SECURE\_KEY\_REQUIRED = -2144272377**

No secure key protection mechanism has been defined.

**FVE\_E\_SYSTEM\_VOLUME = -2144272366**

The volume cannot be encrypted because it is required to boot the operating system.

**FVE\_E\_TOO\_SMALL = -2144272367**

Not enough free space remaining on volume to allow encryption.

**FVE\_E TPM NOT OWNED = -2144272360**

TPM must be owned before a volume can be bound to it.

**FVE\_E TPM\_SRK\_AUTH\_NOT\_ZERO = -2144272347**

The SRK authentication of the TPM is not zero and, therefore, is not compatible.

**FVE\_E\_VOLUME\_BOUND\_ALREADY = -2144272353**

The volume is already bound to the system.

**FVE\_E\_VOLUME\_NOT\_BOUND = -2144272361**

Volume is not bound to the system.

**FVE\_E\_WRONG\_BOOTMGR = -2144272378**

The BOOTMGR component does not perform expected TPM measurements.

**FVE\_E\_WRONG\_BOOTSECTOR = -2144272342**

The system partition boot sector does not perform TPM measurements.

**FVE\_E\_WRONG\_SYSTEM\_FS = -2144272341**

The system partition file system must be NTFS.

**FWP\_E\_ACTION\_INCOMPATIBLE\_WITH\_LAYER = -2144206804**

The action type is not compatible with the layer.

**FWP\_E\_ACTION\_INCOMPATIBLE\_WITH\_SUBLAYER = -2144206803**

The action type is not compatible with the sublayer.

**FWP\_E\_ALREADY\_EXISTS = -2144206839**

An object with that GUID or LUID already exists.

**FWP\_E\_BUILTIN\_OBJECT = -2144206825**

The object is built in and, therefore, cannot be deleted.

**FWP\_E\_CALLOUT\_NOTIFICATION\_FAILED = -2144206793**

The notification function for a callout returned an error.

**FWP\_E\_CALLOUT\_NOT\_FOUND = -2144206847**

The callout does not exist.

**FWP\_E\_CONDITION\_NOT\_FOUND = -2144206846**

The filter condition does not exist.

**FWP\_E\_CONTEXT\_INCOMPATIBLE\_WITH\_CALLOUT = -2144206801**

The raw context or the provider context is not compatible with the callout.

**FWP\_E\_CONTEXT\_INCOMPATIBLE\_WITH\_LAYER = -2144206802**

The raw context or the provider context is not compatible with the layer.

**FWP\_E\_DUPLICATE\_CONDITION = -2144206806**

A filter cannot contain multiple conditions operating on a single field.

**FWP\_E\_DUPLICATE\_KEYMOD = -2144206805**

A policy cannot contain the same keying module more than once.

**FWP\_E\_DYNAMIC\_SESSION\_IN\_PROGRESS = -2144206837**

The call is not allowed from within a dynamic session.

**FWP\_E\_EM\_NOT\_SUPPORTED = -2144206798**

An Internet Key Exchange (IKE) policy cannot contain an Extended Mode policy.

**FWP\_E\_FILTER\_NOT\_FOUND** = -2144206845

The filter does not exist.

**FWP\_E\_INCOMPATIBLE\_AUTH\_CONFIG** = -2144206792

The IPsec authentication configuration is not compatible with the authentication type.

**FWP\_E\_INCOMPATIBLE\_AUTH\_METHOD** = -2144206800

The authentication method is not compatible with the policy type.

**FWP\_E\_INCOMPATIBLE\_CIPHER\_CONFIG** = -2144206791

The IPsec cipher configuration is not compatible with the cipher type.

**FWP\_E\_INCOMPATIBLE\_DH\_GROUP** = -2144206799

The Diffie-Hellman group is not compatible with the policy type.

**FWP\_E\_INCOMPATIBLE\_LAYER** = -2144206828

The operation is not supported by the specified layer.

**FWP\_E\_INCOMPATIBLE\_SA\_STATE** = -2144206821

The call is not allowed for the current security association state.

**FWP\_E\_INCOMPATIBLE\_TXN** = -2144206831

The call is not allowed from within a read-only transaction.

**FWP\_E\_INVALID\_ACTION\_TYPE** = -2144206812

The action type is not one of the allowed action types for a filter.

**FWP\_E\_INVALID\_ENUMERATOR** = -2144206819

An enumerator is not valid.

**FWP\_E\_INVALID\_FLAGS** = -2144206818

The flags field contains an invalid value.

**FWP\_E\_INVALID\_INTERVAL** = -2144206815

The time interval is not valid.

**FWP\_E\_INVALID\_NET\_MASK** = -2144206817

A network mask is not valid.

**FWP\_E\_INVALID\_PARAMETER** = -2144206795

The parameter is incorrect.

**FWP\_E\_INVALID\_RANGE** = -2144206816

An FWP\_RANGE is not valid.

**FWP\_E\_INVALID\_WEIGHT** = -2144206811

The filter weight is not valid.

**FWP\_E\_IN\_USE** = -2144206838

The object is referenced by other objects and, therefore, cannot be deleted.

**FWP\_E\_KM\_CLIENTS\_ONLY** = -2144206827

The call is allowed for kernel-mode callers only.

**FWP\_E\_LAYER\_NOT\_FOUND** = -2144206844

The layer does not exist.

**FWP\_E\_LIFETIME\_MISMATCH** = -2144206826

The call tried to associate two objects with incompatible lifetimes.

**FWP\_E\_MATCH\_TYPE\_MISMATCH** = -2144206810

A filter condition contains a match type that is not compatible with the operands.

**FWP\_E\_NET\_EVENTS\_DISABLED** = -2144206829

Collection of network diagnostic events is disabled.

**FWP\_E\_NEVER\_MATCH** = -2144206797

The enumeration template or subscription will never match any objects.

**FWP\_E\_NOTIFICATION\_DROPPED** = -2144206823

A notification could not be delivered because a message queue is at its maximum capacity.

**FWP\_E\_NOT\_FOUND** = -2144206840

The object does not exist.

**FWP\_E\_NO\_TXN\_IN\_PROGRESS** = -2144206835

The call must be made from within an explicit transaction.

**FWP\_E\_NULL\_DISPLAY\_NAME** = -2144206813

The `displayData.name` field cannot be null.

**FWP\_E\_NULL\_POINTER** = -2144206820

A required pointer is null.

**FWP\_E\_OUT\_OF\_BOUNDS** = -2144206808

An integer value is outside the allowed range.

**FWP\_E\_PROVIDER\_CONTEXT\_MISMATCH** = -2144206796

The provider context is of the wrong type.

**FWP\_E\_PROVIDER\_CONTEXT\_NOT\_FOUND** = -2144206842

The provider context does not exist.

**FWP\_E\_PROVIDER\_NOT\_FOUND** = -2144206843

The provider does not exist.

**FWP\_E\_RESERVED** = -2144206807

A reserved field is nonzero.

**FWP\_E\_SESSION\_ABORTED** = -2144206832

The session has been canceled.

**FWP\_E\_SUBLAYER\_NOT\_FOUND** = -2144206841

The sublayer does not exist.

**FWP\_E\_TIMEOUT** = -2144206830

The call timed out while waiting to acquire the transaction lock.

**FWP\_E\_TOO\_MANY\_BOOTTIME\_FILTERS = -2144206824**

The maximum number of boot-time filters has been reached.

**FWP\_E\_TOO\_MANY\_SUBLAYERS = -2144206794**

The maximum number of sublayers has been reached.

**FWP\_E\_TRAFFIC\_MISMATCH = -2144206822**

The traffic parameters do not match those for the security association context.

**FWP\_E\_TXN\_ABORTED = -2144206833**

The explicit transaction has been forcibly canceled.

**FWP\_E\_TXN\_IN\_PROGRESS = -2144206834**

The call is not allowed from within an explicit transaction.

**FWP\_E\_TYPE\_MISMATCH = -2144206809**

An FWP\_VALUE or FWPM\_CONDITION\_VALUE is of the wrong type.

**FWP\_E\_WRONG\_SESSION = -2144206836**

The call was made from the wrong session and, therefore, cannot be completed.

**FWP\_E\_ZERO\_LENGTH\_ARRAY = -2144206814**

An array that must contain at least one element that is zero-length.

**INPLACE\_E\_NOTOOLSPACE = -2147221087**

Space for tools is not available.

**INPLACE\_E\_NOTUNDOABLE = -2147221088**

Undo is not available.

**INPLACE\_S\_TRUNCATED = 262560**

Message is too long; some of it had to be truncated before displaying.

**MCMADM\_E\_REGKEY\_NOT\_FOUND = -1072889750**

The key was not found in the registry.

**MCMADM\_I\_NO\_EVENTS = 1074593897**

Event initialization failed, there will be no MCM events.

**MEM\_E\_INVALID\_LINK = -2146959344**

An allocation chain contained an invalid link pointer.

**MEM\_E\_INVALID\_ROOT = -2146959351**

An invalid root block pointer was specified.

**MEM\_E\_INVALID\_SIZE = -2146959343**

The requested allocation size was too large.

**MK\_E\_CANTOPENFILE = -2147221014**

Moniker cannot open file.

**MK\_E\_CONNECTMANUALLY = -2147221024**

Moniker needs to be connected manually.

**MK\_E\_ENUMERATION\_FAILED = -2147221009**

Moniker could not be enumerated.

**MK\_E\_EXCEEDEDDEADLINE = -2147221023**

Operation exceeded deadline.

**MK\_E\_INTERMEDIATEINTERFACENOTSUPPORTED = -2147221017**

Intermediate operation failed.

**MK\_E\_INVALIDEXTENSION = -2147221018**

Bad extension for file.

**MK\_E\_MUSTBOTHERUSER = -2147221013**

User input required for operation to succeed.

**MK\_E\_NEEDGENERIC = -2147221022**

Moniker needs to be generic.

**MK\_E\_NOINVERSE** = -2147221012

Moniker class has no inverse.

**MK\_E\_NOOBJECT** = -2147221019

No object for moniker.

**MK\_E\_NOPREFIX** = -2147221010

No common prefix.

**MK\_E\_NOSTORAGE** = -2147221011

Moniker does not refer to storage.

**MK\_E\_NOTBINDABLE** = -2147221016

Moniker is not bindable.

**MK\_E\_NOTBOUND** = -2147221015

Moniker is not bound.

**MK\_E\_NO\_NORMALIZED** = -2146959353

Moniker path could not be normalized.

**MK\_E\_SYNTAX** = -2147221020

Invalid syntax.

**MK\_E\_UNAVAILABLE** = -2147221021

Operation unavailable.

**MK\_S\_HIM** = 262629

Common prefix is input moniker.

**MK\_S\_ME** = 262628

Common prefix is this moniker.

**MK\_S\_MONIKERALREADYREGISTERED** = 262631

Moniker is already registered in running object table.

**MK\_S\_REDUCED\_TO\_SELF** = 262626

Moniker reduced to itself.

**MK\_S\_US** = 262630

Common prefix is both monikers.

**MSDTC\_E\_DUPLICATE\_RESOURCE** = -2146367743

Cannot create a duplicate resource of type Distributed Transaction Coordinator.

**MSSIPOTF\_E\_BADVERSION** = -2146865131

There is a bad version number in the file.

**MSSIPOTF\_E\_BAD\_FIRST\_TABLE\_PLACEMENT** = -2146865144

First table does not appear after header information.

**MSSIPOTF\_E\_BAD\_MAGICNUMBER** = -2146865148

The magic number in the head table is incorrect.

**MSSIPOTF\_E\_BAD\_OFFSET\_TABLE** = -2146865147

The offset table has incorrect values.

**MSSIPOTF\_E\_CANTGETOBJECT** = -2146865150

Could not retrieve an object from the file.

**MSSIPOTF\_E\_CRYPT** = -2146865132

A call to a CryptoAPI function failed.

**MSSIPOTF\_E\_DSIG\_STRUCTURE** = -2146865130

The structure of the DSIG table is incorrect.

**MSSIPOTF\_E\_FAILED\_HINTS\_CHECK** = -2146865135

The file did not pass the hints check.

**MSSIPOTF\_E\_FAILED\_POLICY** = -2146865136

The signature does not have the correct attributes for the policy.

**MSSIPOTF\_E\_FILE** = -2146865133

Failed on a file operation (such as open, map, read, or write).

**MSSIPOTF\_E\_FILETOOSMALL** = -2146865141

File is too small to contain the last table.

**MSSIPOTF\_E\_FILE\_CHECKSUM** = -2146865139

The file checksum is incorrect.

**MSSIPOTF\_E\_NOHEADTABLE** = -2146865149

Could not find the head table in the file.

**MSSIPOTF\_E\_NOT\_OPENTYPE** = -2146865134

The file is not an OpenType file.

**MSSIPOTF\_E\_OUTOFCMEMRANGE** = -2146865151

Tried to reference a part of the file outside the proper range.

**MSSIPOTF\_E\_PCONST\_CHECK** = -2146865129

A check failed in a partially constant table.

**MSSIPOTF\_E\_STRUCTURE** = -2146865128

Some kind of structural error.

**MSSIPOTF\_E\_TABLES\_OVERLAP** = -2146865143

Two or more tables overlap.

**MSSIPOTF\_E\_TABLE\_CHECKSUM** = -2146865140

A table checksum is incorrect.

**MSSIPOTF\_E\_TABLE\_LONGWORD** = -2146865145

A table does not start on a long word boundary.

**MSSIPOTF\_E\_TABLE\_PADBYTES** = -2146865142

Too many pad bytes between tables, or pad bytes are not 0.

**MSSIPOTF\_E\_TABLE\_TAGORDER = -2146865146**

Duplicate table tags or the tags are out of alphabetical order.

**NS\_DRM\_E\_MIGRATION\_IMAGE\_ALREADY\_EXISTS = -1072879730**

Migration Image already exists. Contact Microsoft product support.

**NS\_DRM\_E\_MIGRATION\_SOURCE\_MACHINE\_IN\_USE = -1072879732**

The Digital Rights Management component is in use during license migration. Contact Microsoft product support.

**NS\_DRM\_E\_MIGRATION\_TARGET\_MACHINE\_LESS\_THAN\_LH = -1072879731**

Licenses are being migrated to a machine running XP or downlevel OS. This operation can only be performed on Windows Vista or a later OS. Contact Microsoft product support.

**NS\_DRM\_E\_MIGRATION\_UPGRADE\_WITH\_DIFF\_SID = -1072879733**

A problem has occurred in the Digital Rights Management component during license migration. Contact Microsoft product support.

**NS\_E\_8BIT\_WAVE\_UNSUPPORTED = -1072886834**

Windows Media Player cannot copy the files to the CD because they are 8-bit. Convert the files to 16-bit, 44-kHz stereo files by using Sound Recorder or another audio-processing program, and then try again.

**NS\_E\_ACTIVE\_SG\_DEVICE\_CONTROL\_DISCONNECTED = -1072882778**

A device used in the current active source for device control is no longer available.

**NS\_E\_ACTIVE\_SG\_DEVICE\_DISCONNECTED = -1072882779**

A capture device in the current active source is no longer available.

**NS\_E\_ADVANCEDEDIT\_TOO\_MANY\_PICTURES = -1072884886**

Windows Media Player could not add all of the images to the file because the images exceeded the 7 megabyte (MB) limit.

**NS\_E\_ALLOCATE\_FILE\_FAIL = -1072889759**

The NetShow Video Server was unable to allocate a %1 block file named %2.

**NS\_E\_ALL\_PROTOCOLS\_DISABLED = -1072877845**

The content cannot be streamed because all protocols have been disabled.

**NS\_E\_ALREADY\_CONNECTED = -1072889840**

The network connection already exists.

**NS\_E\_ANALOG\_VIDEO\_PROTECTION\_LEVEL\_UNSUPPORTED = -1072879353**

Windows Media Player does not support the level of protection required for analog video.

**NS\_E\_ARCHIVE\_ABORT\_TO\_BCAST = -1072884338**

The archive plug-in aborted because the source was from broadcast.

**NS\_E\_ARCHIVE\_FILENAME\_NOTSET = -1072882823**

The local archive file name was not set.

**NS\_E\_ARCHIVE\_GAP\_DETECTED = -1072884337**

The archive plug-in detected an interrupt in the source.

**NS\_E\_ARCHIVE\_REACH\_QUOTA = -1072884339**

The archive plug-in has reached its quota.

**NS\_E\_ARCHIVE\_SAME\_AS\_INPUT = -1072882812**

The archive file has the same name as an input file. Change one of the names before continuing.

**NS\_E\_ASSERT = -1072889653**

1 failed in file %2 line %3.

**NS\_E\_ASX\_INVALIDFORMAT = -1072885655**

Windows Media Player cannot play the playlist because it is not valid.

**NS\_E\_ASX\_INVALIDVERSION = -1072885654**

A later version of Windows Media Player might be required to play this playlist.

**NS\_E\_ASX\_INVALID\_REPEAT\_BLOCK = -1072885653**

The format of a REPEAT loop within the current playlist file is not valid.

**NS\_E\_ASX\_NOTHING\_TO\_WRITE = -1072885652**

Windows Media Player cannot save the playlist because it does not contain any items.

**NS\_E\_ATTRIBUTE\_NOT\_ALLOWED = -1072886825**

An attempt was made to add attribute that is not allowed for the given media type.

**NS\_E\_ATTRIBUTE\_READ\_ONLY = -1072886826**

An attempt was made to add, modify, or delete a read only attribute.

**NS\_E\_AUDIENCE\_CONTENTTYPE\_MISMATCH = -1072882791**

All audiences in the output tree must have the same content type.

**NS\_E\_AUDIENCE\_\_LANGUAGE\_CONTENTTYPE\_MISMATCH = -1072882717**

All streams with different languages in the same audience must have same properties.

**NS\_E\_AUDIODEVICE\_BADFORMAT = -1072882845**

The audio capture device does not support the specified audio format.

**NS\_E\_AUDIODEVICE\_BUSY = -1072882847**

It is not possible to open the specified audio capture device because it is currently in use.

**NS\_E\_AUDIODEVICE\_UNEXPECTED = -1072882846**

It is not possible to open the specified audio capture device because an unexpected error has occurred.

**NS\_E\_AUDIO\_BITRATE\_STEPDOWN = -1072882759**

The audio bit rate for an audience with a higher total bit rate must be greater than one with a lower total bit rate.

**NS\_E\_AUDIO\_CODEC\_ERROR = -1072886845**

An unexpected error occurred with the audio codec.

**NS\_E\_AUDIO\_CODEC\_NOT\_INSTALLED = -1072886846**

The requested audio codec is not installed on this system.

**NS\_E\_AUTHORIZATION\_FILE\_NOT\_FOUND = -1072884336**

The system cannot find the file specified.

**NS\_E\_BACKUP\_RESTORE\_BAD\_DATA = -1072879803**

Bad Data sent to Backup-Restore.

**NS\_E\_BACKUP\_RESTORE\_BAD\_REQUEST\_ID = -1072879826**

Bad Request ID in Backup-Restore.

**NS\_E\_BACKUP\_RESTORE\_FAILURE = -1072879827**

Failure in Backup-Restore.

**NS\_E\_BACKUP\_RESTORE\_TOO\_MANY\_RESETS = -1072879770**

Too many resets in Backup-Restore.

**NS\_E\_BAD\_ADAPTER\_ADDRESS = -1072889799**

The specified adapter address is invalid.

**NS\_E\_BAD\_ADAPTER\_NAME = -1072889652**

The specified adapter name is invalid.

**NS\_E\_BAD\_BLOCK0\_VERSION = -1072889757**

Disk %1 has unrecognized control block version %2.

**NS\_E\_BAD\_CONTENTEDL = -1072882774**

The voice codec optimization definition file cannot be found or is corrupted.

**NS\_E\_BAD\_CONTROL\_DATA = -1072889806**

The server received invalid data from the client on the control connection.

**NS\_E\_BAD\_CUB\_UID = -1072889454**

Content Server %1 (%2) has incorrect uid %3.

**NS\_E\_BAD\_DELIVERY\_MODE = -1072889798**

The specified delivery mode is invalid.

**NS\_E\_BAD\_DISK\_UID = -1072889756**

Disk %1 has incorrect uid %2.

**NS\_E\_BAD\_FSMajor\_Version = -1072889755**

Disk %1 has unsupported file system major version %2.

**NS\_E\_BAD\_MARKIN = -1072882856**

The mark-in time should be greater than 0 and less than the mark-out time.

**NS\_E\_BAD\_MARKOUT = -1072882855**

The mark-out time should be greater than the mark-in time and less than the file duration.

**NS\_E\_BAD\_MULTICAST\_ADDRESS = -1072889800**

The specified address is not a valid multicast address.

**NS\_E\_BAD\_REQUEST = -1072877853**

The request could not be understood by the server.

**NS\_E\_BAD\_STAMPNUMBER = -1072889754**

Disk %1 has bad stamp number in control block.

**NS\_E\_BAD\_SYNTAX\_IN\_SERVER\_RESPONSE = -1072877826**

The response from the media server could not be understood. This might be caused by an incompatible proxy server or media server.

**NS\_E\_BKGDOWNLOAD\_CALLFUNCENDED = -1072885145**

The Windows Media Player download manager cannot perform a task because the Player is terminating the service. The task will be recovered when the Player restarts.

**NS\_E\_BKGDOWNLOAD\_CALLFUNCFAILED = -1072885147**

The Windows Media Player download manager cannot perform a task because the system has no resources to allocate.

**NS\_E\_BKGDOWNLOAD\_CALLFUNCTIMEOUT = -1072885146**

The Windows Media Player download manager cannot perform a task because the task took too long to run.

**NS\_E\_BKGDOWNLOAD\_CANCELCOMPLETEDJOB = -1072885153**

Windows Media Player tried to cancel a download that was already completed. The file will not be removed.

**NS\_E\_BKGDOWNLOAD\_COMPLETECANCELLEDJOB = -1072885154**

Windows Media Player tried to complete a download that was already canceled. The file will not be available.

**NS\_E\_BKGDOWNLOAD\_FAILEDINITIALIZE = -1072885143**

The Windows Media Player download manager cannot start. This might occur if the system is out of resources.

**NS\_E\_BKGDOWNLOAD\_FAILED\_TO\_CREATE\_TEMPFILE = -1072885150**

The Windows Media Player download manager cannot create a temporary file name. This might occur if the path is not valid or if the disk is full.

**NS\_E\_BKGDOWNLOAD\_INVALIDJOBSIGNATURE = -1072885151**

This download was not created by Windows Media Player.

**NS\_E\_BKGDOWNLOAD\_INVALID\_FILE\_NAME = -1072885141**

Windows Media Player cannot get the file name of the requested download. The requested download will be canceled.

**NS\_E\_BKGDOWNLOAD\_NOJOBPOINTER = -1072885152**

Windows Media Player is trying to access a download that is not valid.

**NS\_E\_BKGDOWNLOAD\_PLUGIN\_FAILEDINITIALIZE = -1072885149**

The Windows Media Player download manager plug-in cannot start. This might occur if the system is out of resources.

**NS\_E\_BKGDOWNLOAD\_PLUGIN\_FAILEDTOMOVEFILE = -1072885148**

The Windows Media Player download manager cannot move the file.

**NS\_E\_BKGDOWNLOAD\_WMDUNPACKFAILED = -1072885144**

The Windows Media Player download manager cannot expand a WMD file. The file will be deleted and the operation will not be completed successfully.

**NS\_E\_BKGDOWNLOAD\_WRONG\_NO\_FILES = -1072885155**

Windows Media Player encountered a download that has the wrong number of files. This might occur if another program is trying to create jobs with the same signature as the Player.

**NS\_E\_BUSY = -1072889819**

The requested resource is in use.

**NS\_E\_CACHE\_ARCHIVE\_CONFLICT = -1072884756**

The archive request conflicts with other requests in progress.

**NS\_E\_CACHE\_CANNOT\_BE\_CACHED = -1072884752**

The internal code for HTTP status code 403 Forbidden due to not cacheable.

**NS\_E\_CACHE\_NOT\_BROADCAST = -1072884753**

The internal code for HTTP status code 412 Precondition Failed due to not broadcast type.

**NS\_E\_CACHE\_NOT\_MODIFIED = -1072884751**

The internal code for HTTP status code 304 Not Modified.

**NS\_E\_CACHE\_ORIGIN\_SERVER\_NOT\_FOUND = -1072884755**

The specified origin server cannot be found.

**NS\_E\_CACHE\_ORIGIN\_SERVER\_TIMEOUT = -1072884754**

The specified origin server is not responding.

**NS\_E\_CANNOTCONNECT = -1072889850**

Unable to establish a connection to the server.

**NS\_E\_CANNOTCONNECTEVENTS = -1072889745**

Unable to establish a connection to the NetShow event monitor service.

**NS\_E\_CANNOTDESTROYTITLE = -1072889849**

Unable to destroy the title.

**NS\_E\_CANNOTOFFLINEDISK = -1072889847**

Unable to offline disk.

**NS\_E\_CANNOTONLINEDISK = -1072889846**

Unable to online disk.

**NS\_E\_CANNOTRENAMETITLE = -1072889848**

Unable to rename the title.

**NS\_E\_CANNOT\_BUY\_OR\_DOWNLOAD\_CONTENT = -1072884904**

The file cannot be purchased or downloaded. The file might not be available from the online store.

**NS\_E\_CANNOT\_BUY\_OR\_DOWNLOAD\_FROM\_MULTIPLE\_SERVICES = -1072884905**

Windows Media Player cannot purchase or download content from multiple online stores.

**NS\_E\_CANNOT\_CONNECT\_TO\_PROXY = -1072877842**

Unable to establish a connection to the proxy server. Please check your proxy server configuration.

**NS\_E\_CANNOT\_DELETE\_ACTIVE\_SOURCEGROUP = -1072882848**

It is not possible to remove an active source while encoding.

**NS\_E\_CANNOT\_GENERATE\_BROADCAST\_INFO\_FOR\_QUALITYVBR = -1072882721**

It is not possible to generate the stream format file if you are using quality-based VBR encoding for the audio or video stream. Instead use the Windows Media file generated after encoding to create the announcement file.

**NS\_E\_CANNOT\_PAUSE\_LIVEBROADCAST = -1072882802**

It is not possible to pause encoding during a broadcast.

**NS\_E\_CANNOT\_READ\_PLAYLIST\_FROM\_MEDIASERVER = -1072877838**

Unable to read the contents of a playlist file from a media server.

**NS\_E\_CANNOT\_REMOVE\_PLUGIN = -1072884655**

It is not possible to remove the last instance of a type of plug-in.

**NS\_E\_CANNOT\_REMOVE\_PUBLISHING\_POINT = -1072884656**

It is not possible to remove a cache or proxy publishing point.

**NS\_E\_CANNOT\_SYNC\_DRM\_TO\_NON\_JANUS\_DEVICE = -1072885178**

It is not possible to sync subscription files to this device.

## **NS\_E\_CANNOT\_SYNC\_PREVIOUS\_SYNC\_RUNNING = -1072885177**

Your device is operating slowly or is not responding. Until the device responds, it is not possible to sync again. To return the device to normal operation, try disconnecting it from the computer or resetting it.

## **NS\_E\_CANT\_READ\_DIGITAL = -1072885855**

Windows Media Player could not use digital playback to play the CD. To switch to analog playback, on the Tools menu, click Options, and then click the Devices tab. Double-click the CD drive, and then in the Playback area, click Analog. For additional assistance, click Web Help.

## **NS\_E\_CCLINK\_DOWN = -1072889821**

Two Content Servers failed to communicate.

## **NS\_E\_CD\_COPYTO\_CD = -1072885842**

It is not possible to directly burn tracks from one CD to another CD. You must first rip the tracks from the CD to your computer, and then burn the files to a blank CD.

## **NS\_E\_CD\_DRIVER\_PROBLEM = -1072885838**

Windows Media Player could not use digital playback to play the CD. The Player has automatically switched the CD drive to analog playback. To switch back to digital CD playback, use the Devices tab. For additional assistance, click Web Help.

## **NS\_E\_CD\_EMPTY\_TRACK\_QUEUE = -1072885255**

No CD track was specified for playback.

## **NS\_E\_CD\_ISRC\_INVALID = -1072885253**

Invalid ISRC code.

## **NS\_E\_CD\_MEDIA\_CATALOG\_NUMBER\_INVALID = -1072885252**

Invalid Media Catalog Number.

## **NS\_E\_CD\_NO\_BUFFERS\_READ = -1072885256**

Windows Media Player could not use digital mode to read the CD. The Player has automatically switched the CD drive to analog mode. To switch back to digital mode, use the Devices tab. For additional assistance, click Web Help.

## **NS\_E\_CD\_NO\_READER = -1072885254**

The CD filter was not able to create the CD reader.

**NS\_E\_CD\_QUEUEING\_DISABLED = -1072885249**

Cannot queue the CD track because queuing is not enabled.

**NS\_E\_CD\_READ\_ERROR = -1072885844**

Windows Media Player cannot read the CD. The disc might be dirty or damaged or the CD drive might be malfunctioning.

**NS\_E\_CD\_READ\_ERROR\_NO\_CORRECTION = -1072885845**

Windows Media Player cannot read the CD. The disc might be dirty or damaged. Turn on error correction, and then try again.

**NS\_E\_CD\_REFRESH = -1072885839**

Windows Media Player is busy reading the CD.

**NS\_E\_CD\_SLOW\_COPY = -1072885843**

For best performance, do not play CD tracks while ripping them.

**NS\_E\_CD\_SPEEDDETECT\_NOT\_ENOUGH\_READS = -1072885250**

Windows Media Player cannot estimate the CD drive's playback speed because the CD track is too short.

**NS\_E\_CHANGING\_PROXYBYPASS = -1072885565**

Cannot change the proxy bypass flag if the proxy setting is not set to custom.

**NS\_E\_CHANGING\_PROXY\_EXCEPTIONLIST = -1072885566**

Cannot change the proxy exception list if the proxy setting is not set to custom.

**NS\_E\_CHANGING\_PROXY\_NAME = -1072885568**

Cannot change the proxy name if the proxy setting is not set to custom.

**NS\_E\_CHANGING\_PROXY\_PORT = -1072885567**

Cannot change the proxy port if the proxy setting is not set to custom.

**NS\_E\_CHANGING\_PROXY\_PROTOCOL\_NOT\_FOUND = -1072885564**

Cannot find the specified protocol.

**NS\_E\_CLOSED\_ON\_SUSPEND = -1072877839**

Media closed because Windows was shut down.

**NS\_E\_CODEC\_DMO\_ERROR = -1072886822**

An unexpected error occurred with a DMO codec.

**NS\_E\_CODEC\_UNAVAILABLE = -1072882813**

One or more codecs required to open this content could not be found.

**NS\_E\_COMPRESSED\_DIGITAL\_AUDIO\_PROTECTION\_LEVEL\_UNSUPPORTED = -1072879352**

Windows Media Player does not support the level of protection required for compressed digital audio.

**NS\_E\_COMPRESSED\_DIGITAL\_VIDEO\_PROTECTION\_LEVEL\_UNSUPPORTED = -1072879355**

Windows Media Player does not support the level of protection required for compressed digital video.

**NS\_E\_CONNECTION\_FAILURE = -1072889815**

The network connection has failed.

**NS\_E\_CONNECT\_TIMEOUT = -1072877818**

It was not possible to establish a connection to the media server in a timely manner. The media server might be down for maintenance, or it might be necessary to use a proxy server to access this media server.

**NS\_E\_CONTENT\_PARTNER\_STILL\_INITIALIZING = -1072884894**

Content Partner still initializing.

**NS\_E\_CORECD\_NOTAMEDIACD = -1072885561**

This is not a media CD.

**NS\_E\_CRITICAL\_ERROR = -1072884452**

The requested operation cannot be performed because the server or publishing point is in a critical error state.

**NS\_E\_CUB\_FAIL = -1072889773**

Content Server %1 (%2) has failed.

**NS\_E\_CUB\_FAIL\_LINK** = -1072889456

Content Server %1 (%2) has failed its link to Content Server %3.

**NS\_E\_CURLHELPERNOTADIRECTORY** = -1072884947

The URL is not a directory.

**NS\_E\_CURLHELPERNOTAFILE** = -1072884946

The URL is not a file.

**NS\_E\_CURLHELPERNOTRELATIVE** = -1072884944

The specified URL is not a relative URL.

**NS\_E\_CURL\_CANTDECODE** = -1072884945

The URL contains characters that cannot be decoded. The URL might be truncated or incomplete.

**NS\_E\_CURL\_CANTWALK** = -1072884949

Windows Media Player cannot play the file. If you clicked a link on a web page, the link might not be valid.

**NS\_E\_CURL\_INVALIDBUFFERSIZE** = -1072884943

The buffer is smaller than the size specified.

**NS\_E\_CURL\_INVALIDCHAR** = -1072884955

The URL contains one or more characters that are not valid.

**NS\_E\_CURL\_INVALIDHOSTNAME** = -1072884954

The URL contains a host name that is not valid.

**NS\_E\_CURL\_INVALIDPATH** = -1072884953

The URL contains a path that is not valid.

**NS\_E\_CURL\_INVALIDPORT** = -1072884948

The URL port is not valid.

**NS\_E\_CURL\_INVALIDSCHEME** = -1072884952

The URL contains a scheme that is not valid.

**NS\_E\_CURL\_INVALIDURL** = -1072884951

The URL is not valid.

**NS\_E\_CURL\_NOTSAFE** = -1072884956

The URL is not safe for the operation specified.

**NS\_E\_DAMAGED\_FILE** = -1072885813

Windows Media Player cannot play the file because it is corrupted.

**NS\_E\_DATAPATH\_NO\_SINK** = -1072884456

The data path does not have an associated data writer plug-in.

**NS\_E\_DATA\_SOURCE\_ENUMERATION\_NOT\_SUPPORTED** = -1072884352

The data source plug-in does not support enumeration.

**NS\_E\_DATA\_UNIT\_EXTENSION\_TOO\_LARGE** = -1072886823

The Data Unit Extension data was too large to be used.

**NS\_E\_DDRAW\_GENERIC** = -1072885571

Windows Media Player cannot play the video because there is a problem with your video card.

**NS\_E\_DEVCONTROL\_FAILED\_SEEK** = -1072882796

It is not possible to seek to the specified mark-in point.

**NS\_E\_DEVICECONTROL\_UNSTABLE** = -1072882719

The device is in an unstable state. Check that the device is functioning properly and a tape is in place.

**NS\_E\_DEVICE\_DISCONNECTED** = -1072885854

Windows Media Player no longer detects a connected portable device. Reconnect your portable device, and then try synchronizing the file again.

**NS\_E\_DEVICE\_IS\_NOT\_READY** = -1072885385

Windows Media Player does not detect storage media in the selected device. Insert storage media into the device, and then try again.

**NS\_E\_DEVICE\_NOT\_READY = -1072885814**

Windows Media Player no longer detects a connected portable device. Reconnect your portable device, and then try to sync the file again.

**NS\_E\_DEVICE\_NOT\_SUPPORT\_FORMAT = -1072885853**

Windows Media Player cannot play the file. The portable device does not support the specified file type.

**NS\_E\_DEVICE\_NOT\_WMDRM\_DEVICE = -1072879749**

The current attached device does not support WMDRM.

**NS\_E\_DISK\_FAIL = -1072889771**

Disk %1 ( %2 ) on Content Server %3, has failed.

**NS\_E\_DISK\_READ = -1072889833**

Error reading from a disk.

**NS\_E\_DISK\_WRITE = -1072889834**

Error writing to a disk.

**NS\_E\_DISPLAY\_MODE\_CHANGE\_FAILED = -1072885570**

Windows Media Player failed to change the screen mode for full-screen video playback.

**NS\_E\_DRMPROFILE\_NOTFOUND = -1072882731**

The specified DRM profile does not exist in the system.

**NS\_E\_DRM\_ACQUIRING\_LICENSE = -1072879829**

You cannot begin a new license acquisition process until the current one has been completed.

**NS\_E\_DRM\_ACTION\_NOT\_QUERIED = -1072879830**

The application cannot perform this action. Contact product support for this application.

**NS\_E\_DRM\_ALREADY\_INDIVIDUALIZED = -1072879831**

You already have the latest security components. No upgrade is necessary at this time.

**NS\_E\_DRM\_APPCERT\_REVOKED = -1072879790**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_ATTRIBUTE\_TOO\_LONG = -1072879438**

The length of the attribute name or value is too long.

**NS\_E\_DRM\_BACKUPRESTORE\_BUSY = -1072879804**

You cannot begin a new backup process until the current process has been completed.

**NS\_E\_DRM\_BACKUP\_CORRUPT = -1072879805**

One or more backed-up licenses are missing or corrupt.

**NS\_E\_DRM\_BACKUP\_EXISTS = -1072879806**

Licenses are already backed up in this location.

**NS\_E\_DRM\_BAD\_REQUEST = -1072879440**

The message format is invalid.

**NS\_E\_DRM\_BB\_UNABLE\_TO\_INITIALIZE = -1072879744**

A problem has occurred in the Digital Rights Management root of trust. Contact Microsoft product support.

**NS\_E\_DRM\_BUFFER\_TOO\_SMALL = -1072879780**

The buffer supplied is not sufficient.

**NS\_E\_DRM\_BUSY = -1072879551**

The DRM subsystem is currently locked by another application or user. Try again later.

**NS\_E\_DRM\_CACHED\_CONTENT\_ERROR = -1072879797**

A license cannot be found for this media file. Use License Management to transfer a license for this file from the original computer, or acquire a new license.

**NS\_E\_DRM\_CERTIFICATE\_REVOKED = -1072879455**

The client's certificate has been revoked.

**NS\_E\_DRM\_CERTIFICATE\_SECURITY\_LEVEL\_INADEQUATE = -1072879442**

The certificate does not have an adequate security level for the requested action.

**NS\_E\_DRM\_CHAIN\_TOO\_LONG = -1072879540**

The uplink license of a chained license cannot itself be a chained license.

**NS\_E\_DRM\_CHECKPOINT\_CORRUPT = -1072879721**

The requested action cannot be performed because a problem occurred with the Windows Media Digital Rights Management (DRM) components on your computer.

**NS\_E\_DRM\_CHECKPOINT\_FAILED = -1072879745**

Secure storage protection error. Restore your licenses from a previous backup and try again.

**NS\_E\_DRM\_CHECKPOINT\_MISMATCH = -1072879722**

The requested action cannot be performed because a problem occurred with the Windows Media Digital Rights Management (DRM) components on your computer.

**NS\_E\_DRM\_CLIENT\_CODE\_EXPIRED = -1072879545**

Windows Media Player cannot play the protected file. Verify that your computer's date is set correctly. If it is correct, on the Help menu, click Check for Player Updates to install the latest version of the Player.

**NS\_E\_DRM\_DATASTORE\_CORRUPT = -1072879741**

The Digital Rights Management data storage is not functioning properly. Contact Microsoft product support.

**NS\_E\_DRM\_DEBUGGING\_NOT\_ALLOWED = -1072879769**

Running this process under a debugger while using DRM content is not allowed.

**NS\_E\_DRM\_DECRYPT\_ERROR = -1072879837**

The media file is corrupted. Contact the content provider to get a new file.

**NS\_E\_DRM\_DEVICE\_ACTIVATION\_CANCELED = -1072879771**

The portable device does not have the security required to copy protected files to it. To obtain the additional security, try to copy the file to your portable device again. When a message appears, click OK.

**NS\_E\_DRM\_DEVICE\_ALREADY\_REGISTERED = -1072879445**

Device registration failed because the device is already registered.

**NS\_E\_DRM\_DEVICE\_LIMIT\_REACHED = -1072879453**

The maximum number of devices in use has been reached. Unable to open additional devices.

**NS\_E\_DRM\_DEVICE\_NOT\_OPEN = -1072879446**

The device must be opened before it can be used to receive content.

**NS\_E\_DRM\_DEVICE\_NOT\_REGISTERED = -1072879646**

The content owner for the license you just acquired requires your device to register to the current machine.

**NS\_E\_DRM\_DRIVER\_AUTH\_FAILURE = -1072879795**

Certified driver components are required to play this media file. Contact Windows Update to see whether updated drivers are available for your hardware.

**NS\_E\_DRM\_DRIVER\_DIGIOUT\_FAILURE = -1072879792**

Certain driver functionality is required to play this media file. Contact Windows Update to see whether updated drivers are available for your hardware.

**NS\_E\_DRM\_DRMV2CLT\_REVOKED = -1072879434**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_ENCRYPT\_ERROR = -1072879838**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_ENUM\_LICENSE\_FAILED = -1072879845**

License storage is not working. Contact Microsoft product support.

**NS\_E\_DRM\_ERROR\_BAD\_NET\_RESP = -1072879778**

The specified server cannot perform the requested operation.

**NS\_E\_DRM\_EXPIRED\_LICENSEBLOB = -1072879437**

The license blob passed in the cardea request is expired.

**NS\_E\_DRM\_GET\_CONTENTSTRING\_ERROR = -1072879811**

The media file is corrupted. Contact the content provider to get a new file.

**NS\_E\_DRM\_GET\_LICENSESTRING\_ERROR = -1072879812**

License storage is not working. Contact Microsoft product support.

**NS\_E\_DRM\_GET\_LICENSE\_ERROR = -1072879815**

License storage is not working. Contact Microsoft product support.

**NS\_E\_DRM\_HARDWAREID\_MISMATCH = -1072879729**

The requested action cannot be performed because a hardware configuration change has been detected by the Windows Media Digital Rights Management (DRM) components on your computer.

**NS\_E\_DRM\_HARDWARE\_INCONSISTENT = -1072879788**

The licenses for your media files are corrupted. Contact Microsoft product support.

**NS\_E\_DRM\_INCLUSION\_LIST\_REQUIRED = -1072879435**

The requested operation cannot be performed because the license does not contain an inclusion list.

**NS\_E\_DRM\_INDIVIDUALIZATION\_INCOMPLETE = -1072879796**

A problem occurred during the security upgrade. Try again later.

**NS\_E\_DRM\_INDIVIDUALIZE\_ERROR = -1072879818**

The security upgrade failed. Try again later.

**NS\_E\_DRM\_INDIVIDUALIZING = -1072879828**

You cannot begin a new security upgrade until the current one has been completed.

**NS\_E\_DRM\_INDIV\_FRAUD = -1072879549**

The security upgrade cannot be completed because the allowed number of daily upgrades has been exceeded. Try again tomorrow.

**NS\_E\_DRM\_INDIV\_NO\_CABS = -1072879548**

The security upgrade cannot be completed because the server is unable to perform the operation. Try again later.

**NS\_E\_DRM\_INDIV\_SERVICE\_UNAVAILABLE = -1072879547**

The security upgrade cannot be performed because the server is not available. Try again later.

**NS\_E\_DRM\_INVALID\_APPCERT = -1072879748**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_INVALID\_APPDATA = -1072879808**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_INVALID\_APPDATA\_VERSION = -1072879807**

A problem has occurred in the Digital Rights Management component. Contact product support for this application.

**NS\_E\_DRM\_INVALID\_APPLICATION = -1072879855**

A problem has occurred in the Digital Rights Management component. Contact product support for this application.

**NS\_E\_DRM\_INVALID\_CERTIFICATE = -1072879456**

The client's certificate is corrupted or the signature cannot be verified.

**NS\_E\_DRM\_INVALID\_CONTENT = -1072879850**

The media file is corrupted. Contact the content provider to get a new file.

**NS\_E\_DRM\_INVALID\_CRL = -1072879439**

The Certificate Revocation List is invalid or corrupted.

**NS\_E\_DRM\_INVALID\_DATA = -1072879775**

Invalid or corrupt data was encountered.

**NS\_E\_DRM\_INVALID\_KID = -1072879543**

The specified KID is invalid.

**NS\_E\_DRM\_INVALID\_LICENSE = -1072879848**

The license is corrupted or invalid. Acquire a new license

**NS\_E\_DRM\_INVALID\_LICENSEBLOB = -1072879436**

The license blob passed in the card request is invalid. Contact Microsoft product support.

**NS\_E\_DRM\_INVALID\_LICENSE\_ACQUIRED = -1072879841**

License acquisition did not work. Acquire a new license or contact the content provider for further assistance.

**NS\_E\_DRM\_INVALID\_LICENSE\_REQUEST = -1072879844**

The media file is corrupted. Contact the content provider to get a new file.

**NS\_E\_DRM\_INVALID\_MACHINE = -1072879847**

Licenses cannot be copied from one computer to another. Use License Management to transfer licenses, or get a new license for the media file.

**NS\_E\_DRM\_INVALID\_MIGRATION\_IMAGE = -1072879736**

A problem has occurred in the Digital Rights Management component during license migration. Contact Microsoft product support.

**NS\_E\_DRM\_INVALID\_PROPERTY = -1072879799**

A required property was not set by the application. Contact product support for this application.

**NS\_E\_DRM\_INVALID\_PROXIMITY\_RESPONSE = -1072879448**

The response to the proximity detection challenge is invalid.

**NS\_E\_DRM\_INVALID\_SECURESTORE\_PASSWORD = -1072879791**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_INVALID\_SESSION = -1072879447**

The requested session is invalid.

**NS\_E\_DRM\_KEY\_ERROR = -1072879839**

The requested action cannot be performed because a problem occurred with the Windows Media Digital Rights Management (DRM) components on your computer.

**NS\_E\_DRM\_LICENSE\_APPSECLOW = -1072879654**

The license for this file requires a higher level of security than the player you are currently using has. Try using a different player or download a newer version of your current player.

**NS\_E\_DRM\_LICENSE\_APP\_NOTALLOWED = -1072879651**

The license for this file requires an upgraded version of your player or a different player.

**NS\_E\_DRM\_LICENSE\_CERT\_EXPIRED = -1072879649**

The license server's certificate expired. Make sure your system clock is set correctly. Contact your content provider for further assistance.

**NS\_E\_DRM\_LICENSE\_CLOSE\_ERROR = -1072879816**

License storage is not working. Contact Microsoft product support.

**NS\_E\_DRM\_LICENSE\_CONTENT\_REVOKED = -1072879647**

The content owner for the license you just acquired is no longer supporting their content. Contact the content owner for a newer version of the content.

**NS\_E\_DRM\_LICENSE\_DELETION\_ERROR = -1072879538**

License deletion did not work. Contact Microsoft product support.

**NS\_E\_DRM\_LICENSE\_EXPIRED = -1072879656**

The license for this file has expired and is no longer valid. Contact your content provider for further assistance.

**NS\_E\_DRM\_LICENSE\_INITIALIZATION\_ERROR = -1072879542**

License initialization did not work. Contact Microsoft product support.

**NS\_E\_DRM\_LICENSE\_INVALID\_XML = -1072879835**

The license is corrupted. Acquire a new license.

**NS\_E\_DRM\_LICENSE\_NOSAP = -1072879606**

The license for this file requires a feature that is not supported in your current player or operating system. You can try with newer version of your current player or contact your content provider for further assistance.

**NS\_E\_DRM\_LICENSE\_NOSVP = -1072879605**

The license for this file requires a feature that is not supported in your current player or operating system. You can try with newer version of your current player or contact your content provider for further assistance.

**NS\_E\_DRM\_LICENSE\_NOTACQUIRED = -1072879783**

Unable to obtain license.

**NS\_E\_DRM\_LICENSE\_NOTEENABLED = -1072879655**

The license for this file is not valid yet, but will be at a future date.

**NS\_E\_DRM\_LICENSE\_NOTRUSTEDCODEC = -1072879603**

The license for this file requires a higher level of security than the player you are currently using has. Try using a different player or download a newer version of your current player.

**NS\_E\_DRM\_LICENSE\_NOWDM = -1072879604**

The license for this file requires Windows Driver Model (WDM) audio drivers. Contact your sound card manufacturer for further assistance.

**NS\_E\_DRM\_LICENSE\_OPEN\_ERROR = -1072879817**

License storage is not working. Contact Microsoft product support.

**NS\_E\_DRM\_LICENSE\_SECLOW = -1072879648**

The license for this file requires a higher level of security than the player you are currently using has. Try using a different player or download a newer version of your current player.

**NS\_E\_DRM\_LICENSE\_SERVER\_INFO\_MISSING = -1072879552**

Could not read the necessary information from the system registry.

**NS\_E\_DRM\_LICENSE\_STORE\_ERROR = -1072879854**

License storage is not working. Contact Microsoft product support.

**NS\_E\_DRM\_LICENSE\_STORE\_SAVE\_ERROR = -1072879852**

License acquisition did not work. Acquire a new license or contact the content provider for further assistance.

**NS\_E\_DRM\_LICENSE\_UNAVAILABLE = -1072879454**

There is no license available for the requested action.

**NS\_E\_DRM\_LICENSE\_UNUSABLE = -1072879800**

The license is invalid. Contact the content provider for further assistance.

**NS\_E\_DRM\_LIC\_NEEDS\_DEVICE\_CLOCK\_SET = -1072879751**

The file could not be transferred because the device clock is not set.

**NS\_E\_DRM\_MALFORMED\_CONTENT\_HEADER = -1072879716**

The content header does not comply with DRM requirements and cannot be used.

**NS\_E\_DRM\_MIGRATION\_IMPORTER\_NOT\_AVAILABLE = -1072879734**

A problem has occurred in the Digital Rights Management component during license migration.  
Contact Microsoft product support.

**NS\_E\_DRM\_MIGRATION\_INVALID\_LEGACYV2\_DATA = -1072879727**

The legacy V2 data being imported is invalid.

**NS\_E\_DRM\_MIGRATION\_INVALID\_LEGACYV2\_SST\_PASSWORD = -1072879725**

The password of the Legacy V2 SST entry being imported is incorrect.

**NS\_E\_DRM\_MIGRATION\_LICENSE\_ALREADY\_EXISTS = -1072879726**

The license being imported already exists.

**NS\_E\_DRM\_MIGRATION\_NOT\_SUPPORTED = -1072879724**

Migration is not supported by the plugin.

**NS\_E\_DRM\_MIGRATION\_OBJECT\_IN\_USE = -1072879717**

Migration object is already in use and cannot be called until the current operation completes.

**NS\_E\_DRM\_MIGRATION\_OPERATION\_CANCELLED = -1072879718**

Migration was canceled by the user.

**NS\_E\_DRM\_MIGRATION\_TARGET\_NOT\_ONLINE = -1072879737**

A problem has occurred in the Digital Rights Management component during license migration.  
Contact Microsoft product support.

**NS\_E\_DRM\_MIGRATION\_TARGET\_STATES\_CORRUPTED = -1072879735**

A problem has occurred in the Digital Rights Management component during license migration.  
Contact Microsoft product support.

**NS\_E\_DRM\_MONITOR\_ERROR = -1072879810**

A problem has occurred in the Digital Rights Management component. Try again later.

**NS\_E\_DRM\_MUST\_APPROVE = -1072879450**

The client must be approved before executing the intended operation.

**NS\_E\_DRM\_MUST\_REGISTER = -1072879451**

The client must be registered before executing the intended operation.

**NS\_E\_DRM\_MUST\_REVALIDATE = -1072879449**

The client must be revalidated before executing the intended operation.

**NS\_E\_DRM\_NEEDS\_INDIVIDUALIZATION = -1072879832**

A security upgrade is required to perform the operation on this media file.

**NS\_E\_DRM\_NEEDS\_UPGRADE\_TEMPFILE = -1072879555**

An updated version of your media player is required to play the selected content.

**NS\_E\_DRM\_NEED\_UPGRADE\_MSSAP = -1072879794**

One or more of the Secure Audio Path components were not found or an entry point in those components was not found.

**NS\_E\_DRM\_NEED\_UPGRADE\_PD = -1072879554**

A new version of the Digital Rights Management component is required. Contact product support for this application to get the latest version.

**NS\_E\_DRM\_NOT\_CONFIGURED = -1072879772**

Not all of the necessary properties for DRM have been set.

**NS\_E\_DRM\_NO\_RIGHTS = -1072879840**

The requested operation cannot be performed on this file.

**NS\_E\_DRM\_NO\_UPLINK\_LICENSE = -1072879544**

The chained license cannot be created because the referenced uplink license does not exist.

**NS\_E\_DRM\_OPERATION\_CANCELED = -1072879768**

The user canceled the DRM operation.

**NS\_E\_DRM\_PARAMETERS\_MISMATCHED = -1072879825**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_PASSWORD\_TOO\_LONG = -1072882797**

The specified password is too long. Type a password with fewer than 8 characters.

**NS\_E\_DRM\_PD\_TOO\_MANY\_DEVICES = -1072879550**

There are too many target devices registered on the portable media.

**NS\_E\_DRM\_POLICY\_DISABLE\_ONLINE = -1072879774**

The Windows Media Digital Rights Management system cannot perform the requested action because your computer or network administrator has enabled the group policy Prevent Windows Media DRM Internet Access. For assistance, contact your administrator.

**NS\_E\_DRM\_POLICY\_METERING\_DISABLED = -1072879754**

This content requires the metering policy to be enabled.

**NS\_E\_DRM\_PROFILE\_NOT\_SET = -1072882801**

A DRM profile has not been set for the current session.

**NS\_E\_DRM\_PROTOCOL\_FORCEFUL\_TERMINATION\_ON\_CHALLENGE = -1072879746**

The client application has been forcefully terminated during a DRM challenge.

**NS\_E\_DRM\_PROTOCOL\_FORCEFUL\_TERMINATION\_ON\_PETITION = -1072879747**

The client application has been forcefully terminated during a DRM petition.

**NS\_E\_DRM\_QUERY\_ERROR = -1072879814**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_REOPEN\_CONTENT = -1072879793**

Status message: Reopen the file.

**NS\_E\_DRM\_REPORT\_ERROR = -1072879813**

A problem has occurred in the Digital Rights Management component. Contact product support for this application.

**NS\_E\_DRM\_RESTORE\_FRAUD = -1072879789**

You cannot restore your license(s).

**NS\_E\_DRM\_RESTORE\_SERVICE\_UNAVAILABLE = -1072879546**

Windows Media Player cannot restore your licenses because the server is not available. Try again later.

**NS\_E\_DRM\_RESTRICTIONS\_NOT\_RETRIEVED = -1072879767**

The license you are using has associated output restrictions. This license is unusable until these restrictions are queried.

**NS\_E\_DRM\_RIV\_TOO\_SMALL = -1072879433**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_SDK\_VERSIONMISMATCH = -1072879752**

The Digital Rights Management component is not installed properly. Reinstall the Player.

**NS\_E\_DRM\_SDMI\_NOMORECOPIES = -1072879786**

You cannot make any more copies of this media file.

**NS\_E\_DRM\_SDMI\_TRIGGER = -1072879787**

To transfer this media file, you must upgrade the application.

**NS\_E\_DRM\_SECURE\_STORE\_ERROR = -1072879853**

Secure storage is not working. Contact Microsoft product support.

**NS\_E\_DRM\_SECURE\_STORE\_NOT\_FOUND = -1072879798**

A problem has occurred in the Digital Rights Management component of this application. Try to acquire a license again.

**NS\_E\_DRM\_SECURE\_STORE\_UNLOCK\_ERROR = -1072879851**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_SECURITY\_COMPONENT\_SIGNATURE\_INVALID = -1072879776**

The Digital Rights Management security upgrade component could not be validated. Contact Microsoft product support.

**NS\_E\_DRM\_SIGNATURE\_FAILURE = -1072879553**

Failed to either create or verify the content header.

**NS\_E\_DRM\_SOURCEID\_NOT\_SUPPORTED = -1072879602**

The license for this file is not supported by your current player. You can try with newer version of your current player or contact your content provider for further assistance.

**NS\_E\_DRM\_STORE\_NEEDINDI = -1072879653**

The license cannot be stored as it requires security upgrade of Digital Rights Management component.

**NS\_E\_DRM\_STORE\_NOTALLOWED = -1072879652**

Your machine does not meet the requirements for storing the license.

**NS\_E\_DRM\_STORE\_NOTALLSTORED = -1072879777**

Some of the licenses could not be stored.

**NS\_E\_DRM\_STUBLIB\_REQUIRED = -1072879739**

A secured library is required to access the requested functionality.

**NS\_E\_DRM\_TRACK\_EXCEEDED\_PLAYLIST\_RESTICTION = -1072879760**

The specified track has exceeded it's specified playlist burn limit in this playlist.

**NS\_E\_DRM\_TRACK\_EXCEEDED\_TRACKBURN\_RESTRICTION = -1072879759**

The specified track has exceeded it's track burn limit.

**NS\_E\_DRM\_TRANSFER\_CHAINED\_LICENSES\_UNSUPPORTED = -1072879753**

Transfer of chained licenses unsupported.

**NS\_E\_DRM\_UNABLE\_TO\_ACQUIRE\_LICENSE = -1072879842**

The license could not be acquired. Try again later.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_AUTHENTICATION\_OBJECT = -1072879773**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_BACKUP\_OBJECT = -1072879819**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_CERTIFICATE\_OBJECT = -1072879738**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_CODING\_OBJECT = -1072879782**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_DECRYPT\_OBJECT = -1072879821**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_DEVICE\_REGISTRATION\_OBJECT = -1072879764**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_ENCRYPT\_OBJECT = -1072879822**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_HEADER\_OBJECT = -1072879785**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_INDI\_OBJECT = -1072879823**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_INMEMORYSTORE\_OBJECT = -1072879740**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_KEYS\_OBJECT = -1072879784**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_LICENSE\_OBJECT = -1072879824**

A license cannot be created for this media file. Reinstall the application.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_METERING\_OBJECT = -1072879763**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_MIGRATION\_IMPORTER\_OBJECT = -1072879723**

A migration importer cannot be created for this media file. Reinstall the application.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_PLAYLIST\_BURN\_OBJECT = -1072879765**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_PLAYLIST\_OBJECT = -1072879766**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_PROPERTIES\_OBJECT = -1072879820**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_CREATE\_STATE\_DATA\_OBJECT = -1072879781**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_GET\_DEVICE\_CERT = -1072879758**

A problem has occurred in obtaining the device's certificate. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_GET\_SECURE\_CLOCK = -1072879757**

A problem has occurred in obtaining the device's secure clock. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_GET\_SECURE\_CLOCK\_FROM\_SERVER = -1072879755**

A problem has occurred in obtaining the secure clock from server. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_INITIALIZE = -1072879843**

A problem has occurred in the Digital Rights Management component. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_LOAD\_HARDWARE\_ID = -1072879743**

A problem has occurred in retrieving the Digital Rights Management machine identification. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_OPEN\_DATA\_STORE = -1072879742**

A problem has occurred in opening the Digital Rights Management data storage file. Contact Microsoft product.

**NS\_E\_DRM\_UNABLE\_TO\_OPEN\_LICENSE = -1072879849**

The license is corrupted. Acquire a new license.

**NS\_E\_DRM\_UNABLE\_TO\_OPEN\_PORT = -1072879441**

Unable to open the specified port for receiving Proximity messages.

**NS\_E\_DRM\_UNABLE\_TO\_SET\_PARAMETER = -1072879809**

The application has made an invalid call to the Digital Rights Management component. Contact product support for this application.

**NS\_E\_DRM\_UNABLE\_TO\_SET\_SECURE\_CLOCK = -1072879756**

A problem has occurred in setting the device's secure clock. Contact Microsoft product support.

**NS\_E\_DRM\_UNABLE\_TO\_VERIFY\_PROXIMITY = -1072879452**

The proximity detection procedure could not confirm that the receiver is near the transmitter in the network.

**NS\_E\_DRM\_UNSUPPORTED\_ACTION = -1072879443**

The requested action is not supported.

**NS\_E\_DRM\_UNSUPPORTED\_ALGORITHM** = -1072879539

The specified encryption algorithm is unsupported.

**NS\_E\_DRM\_UNSUPPORTED\_PROPERTY** = -1072879779

The property requested is not supported.

**NS\_E\_DRM\_UNSUPPORTED\_PROTOCOL\_VERSION** = -1072879444

Unsupported WMDRM-ND protocol version.

**NS\_E\_DUPLICATE\_ADDRESS** = -1072889801

The specified address is already in use.

**NS\_E\_DUPLICATE\_DRMPROFILE** = -1072882800

The profile ID is already used by a DRM profile. Specify a different profile ID.

**NS\_E\_DUPLICATE\_NAME** = -1072889802

The specified name is already in use.

**NS\_E\_DUPLICATE\_PACKET** = -1072886829

The packet is a duplicate of one received before.

**NS\_E\_DVD\_AUTHORIZING\_PROBLEM** = -1072885404

Windows Media Player cannot play the DVD. The disc was created in a manner that the Player does not support.

**NS\_E\_DVD\_CANNOT\_COPY\_PROTECTED** = -1072885390

Windows Media Player cannot rip the DVD because it is copy protected.

**NS\_E\_DVD\_CANNOT\_JUMP** = -1072885393

Windows Media Player cannot skip to the requested location on the DVD.

**NS\_E\_DVD\_COMPATIBLE\_VIDEO\_CARD** = -1072885402

Windows Media Player cannot play the DVD because your video card does not support DVD playback.

**NS\_E\_DVD\_COPY\_PROTECT** = -1072885405

Windows Media Player cannot play this DVD because there is a problem with digital copy protection between your DVD drive, decoder, and video card. Try installing an updated driver for your video card.

#### **NS\_E\_DVD\_DEVICE\_CONTENTION = -1072885392**

Windows Media Player cannot play the DVD because it is currently in use by another program. Quit the other program that is using the DVD, and then try again.

#### **NS\_E\_DVD\_DISC\_COPY\_PROTECT\_OUTPUT\_FAILED = -1072885407**

This DVD's resolution exceeds the maximum allowed by your component video outputs. Try reducing your screen resolution to 640 x 480, or turn off analog component outputs and use a VGA connection to your monitor.

#### **NS\_E\_DVD\_DISC\_COPY\_PROTECT\_OUTPUT\_NS = -1072885408**

Windows Media Player cannot play this DVD. Try installing an updated driver for your video card or obtaining a newer video card.

#### **NS\_E\_DVD\_DISC\_DECODER\_REGION = -1072885399**

Windows Media Player cannot play the DVD because the disc prohibits playback in your region of the world. You must obtain a disc that is intended for your geographic region.

#### **NS\_E\_DVD\_GRAPH\_BUILDING = -1072885396**

Windows Media Player cannot play DVD video. Close any open files and quit any other programs, and then try again. If the problem persists, restart your computer.

#### **NS\_E\_DVD\_INVALID\_DISC\_REGION = -1072885403**

Windows Media Player cannot play the DVD because the disc prohibits playback in your region of the world. You must obtain a disc that is intended for your geographic region.

#### **NS\_E\_DVD\_INVALID\_TITLE\_CHAPTER = -1072885388**

The specified title and/or chapter number does not exist on this DVD.

#### **NS\_E\_DVD\_MACROVISION = -1072885401**

Windows Media Player cannot play this DVD because it is not possible to turn on analog copy protection on the output display. Try installing an updated driver for your video card.

#### **NS\_E\_DVD\_NO\_AUDIO\_STREAM = -1072885397**

Windows Media Player cannot play DVD audio. Verify that your sound card is set up correctly, and then try again.

**NS\_E\_DVD\_NO\_DECODER = -1072885395**

Windows Media Player cannot play the DVD because a compatible DVD decoder is not installed on your computer.

**NS\_E\_DVD\_NO\_SUBPICTURE\_STREAM = -1072885406**

Windows Media Player cannot display subtitles or highlights in DVD menus. Reinstall the DVD decoder or contact the DVD drive manufacturer to obtain an updated decoder.

**NS\_E\_DVD\_NO\_VIDEO\_MEMORY = -1072885391**

Windows Media Player cannot play DVD video. You might need to adjust your Windows display settings. Open display settings in Control Panel, and then try lowering your screen resolution and color quality settings.

**NS\_E\_DVD\_NO\_VIDEO\_STREAM = -1072885398**

Windows Media Player cannot play DVD video. You might need to adjust your Windows display settings. Open display settings in Control Panel, and then try lowering your screen resolution and color quality settings.

**NS\_E\_DVD\_PARENTAL = -1072885394**

Windows Media Player cannot play the scene because it has a parental rating higher than the rating that you are authorized to view.

**NS\_E\_DVD\_REQUIRED\_PROPERTY\_NOT\_SET = -1072885389**

One or more of the required properties has not been set.

**NS\_E\_DVD\_SYSTEM\_DECODER\_REGION = -1072885400**

Windows Media Player cannot play the DVD because the region assigned to your DVD drive does not match the region assigned to your DVD decoder.

**NS\_E\_EDL\_REQUIRED\_FOR\_DEVICE\_MULTIPASS = -1072882713**

To use two-pass encoding, you must enable device control and setup an edit decision list (EDL) that has at least one entry.

**NS\_E\_EMPTY\_PLAYLIST = -1072884555**

The playlist or directory you are requesting does not contain content.

**NS\_E\_EMPTY\_PROGRAM\_NAME = -1072889642**

The program name cannot be empty.

**NS\_E\_ENACTPLAN\_GIVEUP = -1072889752**

EnactPlan gives up.

**NS\_E\_END\_OF\_PLAYLIST = -1072876856**

The playlist has reached its end.

**NS\_E\_END\_OF\_TAPE = -1072882770**

Either the end of the tape has been reached or there is no tape. Check the device and tape.

**NS\_E\_ERROR\_FROM\_PROXY = -1072877852**

The proxy experienced an error while attempting to contact the media server.

**NS\_E\_EXCEED\_MAX\_DRM\_PROFILE\_LIMIT = -1072882720**

It is not possible to create a DRM profile because the maximum number of profiles has been reached.

You must delete some DRM profiles before creating new ones.

**NS\_E\_EXPECT\_MONO\_WAV\_INPUT = -1072882783**

The source must be a mono channel .wav file.

**NS\_E\_FAILED\_DOWNLOAD\_ABORT\_BURN = -1072885540**

Windows Media Player cannot burn the audio CD because some items in the list that you chose to buy could not be downloaded from the online store.

**NS\_E\_FAIL\_LAUNCH\_ROXIO\_PLUGIN = -1072885376**

Windows Media Player cannot burn the files. Verify that your burner is connected properly, and then try again. If the problem persists, reinstall the Player.

**NS\_E\_FEATURE\_DISABLED\_BY\_GROUP\_POLICY = -1072886820**

This feature has been disabled by group policy.

**NS\_E\_FEATURE\_DISABLED\_IN\_SKU = -1072886819**

This feature is disabled in this SKU.

**NS\_E\_FEATURE\_REQUIRES\_ENTERPRISE\_SERVER = -1072884349**

The plug-in cannot be loaded because it requires Windows Server 2003, Enterprise Edition.

**NS\_E\_FILE\_ALLOCATION\_FAILED = -1072889826**

Unable to allocate a file.

**NS\_E\_FILE\_BANDWIDTH\_LIMIT = -1072889808**

The bandwidth required to stream a file is higher than the maximum file bandwidth allowed on the server.

**NS\_E\_FILE\_EXISTS = -1072889829**

The file already exists.

**NS\_E\_FILE\_FAILED\_CHECKS = -1072885811**

The file cannot be added to the library because it is smaller than the "Skip files smaller than" setting. To add the file, change the setting on the Library tab. For additional assistance, click Web Help.

**NS\_E\_FILE\_INIT\_FAILED = -1072889825**

Unable to initialize a file.

**NS\_E\_FILE\_NOT\_FOUND = -1072889830**

The system cannot find the file specified.

**NS\_E\_FILE\_OPEN\_FAILED = -1072889827**

Failed to open a file.

**NS\_E\_FILE\_PLAY\_FAILED = -1072889824**

Unable to play a file.

**NS\_E\_FILE\_READ = -1072889831**

Error reading from a file.

**NS\_E\_FILE\_WRITE = -1072889832**

Error writing to a file.

**NS\_E\_FIREWALL = -1072877831**

Packets are not being received from the server. The packets might be blocked by a filtering device, such as a network firewall.

**NS\_E\_FLASH\_PLAYBACK\_NOT\_ALLOWED = -1072885553**

Flash playback has been turned off in Windows Media Player.

**NS\_E\_GLITCH\_MODE = -1072889451**

Server unreliable because multiple components failed.

**NS\_E\_GRAPH\_NOAUDIOLANGUAGE = -1072885563**

Cannot change the language settings. Either the graph has no audio or the audio only supports one language.

**NS\_E\_GRAPH\_NOAUDIOLANGUAGELSELECTED = -1072885562**

The graph has no audio language selected.

**NS\_E\_HDS\_KEY\_MISMATCH = -1072879719**

The requested action cannot be performed because a problem occurred with the Windows Media Digital Rights Management (DRM) components on your computer.

**NS\_E\_HEADER\_MISMATCH = -1072884449**

The command does not apply to the current media header user by a server component.

**NS\_E\_HTTP\_DISABLED = -1072889645**

HTTP protocol not enabled. Not trying %1!ls!.

**NS\_E\_HTTP\_TEXT\_DATACONTAINER\_INVALID\_SERVER\_RESPONSE = -1072884340**

The WMS HTTP Download Data Source plugin was unable to receive the remote server's response.

**NS\_E\_HTTP\_TEXT\_DATACONTAINER\_SIZE\_LIMIT\_EXCEEDED = -1072884343**

The size of the data exceeded the limit the WMS HTTP Download Data Source plugin can handle.

**NS\_E\_ICMQUERYFORMAT = -1072882836**

It was not possible to obtain output information from the video compressor.

**NS\_E\_IE\_DISALLOWS\_ACTIVECONTROLS = -1072885554**

Windows Media Player cannot play the file because your Internet security settings prohibit the use of ActiveX controls.

**NS\_E\_IMAGE\_DOWNLOAD\_FAILED = -1072885106**

Windows Media Player encountered an error while downloading an image.

**NS\_E\_IMAPI\_LOSSOFSTREAMING = -1072885378**

Windows Media Player failed to burn all the files to the CD. Select a slower recording speed, and then try again.

**NS\_E\_IMAPI\_MEDIUM\_INVALIDTYPE = -1072885374**

The disc in the burner is not valid. Insert a blank disc into the burner, and then try again.

**NS\_E\_INCOMPATIBLE\_FORMAT = -1072889791**

The station does not support the stream format.

**NS\_E\_INCOMPATIBLE\_PUSH\_SERVER = -1072877812**

The Server service that received the HTTP push request is not a compatible version of Windows Media Services (WMS). This error might indicate the push request was received by IIS instead of WMS. Ensure WMS is started and has the HTTP Server control protocol properly enabled and try again.

**NS\_E\_INCOMPATIBLE\_SERVER = -1072877848**

The server is not a compatible streaming media server.

**NS\_E\_INCOMPATIBLE\_VERSION = -1072886841**

A new version of the SDK is needed to play the requested content.

**NS\_E\_INCOMPLETE\_PLAYLIST = -1072885182**

Incomplete playlist.

**NS\_E\_INCORRECTCLIPSETTINGS = -1072882820**

The specified crop values are not valid.

**NS\_E\_INDUCED = -1072889822**

An error was induced for testing purposes.

**NS\_E\_INPUTSOURCE\_PROBLEM = -1072882806**

One or all of the specified sources are not working properly. Check that the sources are configured correctly.

**NS\_E\_INPUT\_DOESNOT\_SUPPORT\_SMPTE = -1072882776**

The source video does not support time codes.

**NS\_E\_INPUT\_WAVFORMAT\_MISMATCH = -1072882782**

All the source .wav files must have the same format.

**NS\_E\_INSUFFICIENT\_BANDWIDTH = -1072889812**

There is insufficient bandwidth available to fulfill the request.

**NS\_E\_INSUFFICIENT\_DATA = -1072889654**

Insufficient data found.

**NS\_E\_INTERFACE\_NOT\_REGISTERED\_IN\_GIT = -1072885142**

Windows Media Player cannot access a required functionality. This might occur if the wrong system files or Player DLLs are loaded.

**NS\_E\_INTERLACEMODE\_MISMATCH = -1072882773**

The same source index in different audiences should have the same interlace mode.

**NS\_E\_INTERLACE\_REQUIRE\_SAMESIZE = -1072882795**

When you choose to maintain the interlacing in your video, the output video size must match the input video size.

**NS\_E\_INTERNAL = -1072889820**

An unknown error occurred.

**NS\_E\_INTERNAL\_SERVER\_ERROR = -1072877854**

The server encountered an unexpected condition which prevented it from fulfilling the request.

**NS\_E\_INVALIDCALL\_WHILE\_ARCHIVAL\_RUNNING = -1072882828**

This operation is not allowed while archiving.

**NS\_E\_INVALIDCALL WHILE\_ENCODER\_RUNNING** = -1072882842

This operation is not allowed while encoding.

**NS\_E\_INVALIDCALL WHILE\_ENCODER\_STOPPED** = -1072882817

This operation is only allowed during encoding.

**NS\_E\_INVALIDINPUTFPS** = -1072882815

This source does not have a frame rate of 30 fps. Therefore, it is not possible to apply the inverse telecine filter to the source.

**NS\_E\_INVALIDPACKETSIZE** = -1072882827

The setting for the maximum packet size is not valid.

**NS\_E\_INVALIDPROFILE** = -1072886842

The Profile is invalid.

**NS\_E\_INVALID\_ARCHIVE** = -1072889795

The specified archive could not be opened.

**NS\_E\_INVALID\_AUDIO\_BUFFERMAX** = -1072882756

The setting for the maximum buffer size for audio is not valid.

**NS\_E\_INVALID\_AUDIO\_PEAKRATE** = -1072882758

The audio peak bit rate setting is not valid.

**NS\_E\_INVALID\_AUDIO\_PEAKRATE\_2** = -1072882757

The audio peak bit rate setting must be greater than the audio bit rate setting.

**NS\_E\_INVALID\_BLACKHOLE\_ADDRESS** = -1072889792

The Blackhole Address is not initialized.

**NS\_E\_INVALID\_CHANNEL** = -1072889797

The specified station does not exist.

**NS\_E\_INVALID\_CLIENT** = -1072889793

The system cannot find the client specified.

**NS\_E\_INVALID\_DATA = -1072889809**

Invalid or corrupt data was encountered.

**NS\_E\_INVALID\_DEVICE = -1072882799**

The setting of the selected device does not support control for playing back tapes.

**NS\_E\_INVALID\_DRMV2CLT\_STUBLIB = -1072879728**

The wrong stublib has been linked to an application or DLL using drmv2clt.dll.

**NS\_E\_INVALID\_EDL = -1072886824**

The EDL provided is invalid.

**NS\_E\_INVALID\_FILE\_BITRATE = -1072882735**

The file transfer bit rate is not valid.

**NS\_E\_INVALID\_FOLDDOWN\_COEFFICIENTS = -1072882732**

The fold-down value needs to be between -144 and 0.

**NS\_E\_INVALID\_INDEX = -1072889839**

Index %1 is invalid.

**NS\_E\_INVALID\_INDEX2 = -1072889639**

The index specified is invalid.

**NS\_E\_INVALID\_INPUT\_AUDIENCE\_INDEX = -1072882786**

The bit rate index specified is not valid.

**NS\_E\_INVALID\_INPUT\_FORMAT = -1072886856**

The input media format is invalid.

**NS\_E\_INVALID\_INPUT\_LANGUAGE = -1072882785**

The specified language is not valid.

**NS\_E\_INVALID\_INPUT\_STREAM = -1072882784**

The specified source type is not valid.

**NS\_E\_INVALID\_INTERLACEMODE = -1072882725**

The video codec selected does not support maintaining interlacing in video.

**NS\_E\_INVALID\_INTERLACE\_COMPAT = -1072882724**

Maintaining interlacing in video is not compatible with Windows Media Player 7.1.

**NS\_E\_INVALID\_KEY = -1072889790**

The specified key is not valid.

**NS\_E\_INVALID\_LOG\_URL = -1072884347**

Invalid log URL. Multicast logging URL must look like "http://servername/isapibackend.dll".

**NS\_E\_INVALID\_MTU\_RANGE = -1072884346**

Invalid MTU specified. The valid range for maximum packet size is between 36 and 65507 bytes.

**NS\_E\_INVALID\_NAME = -1072889828**

The file name, directory name, or volume label syntax is incorrect.

**NS\_E\_INVALID\_NONSQUAREPIXEL\_COMPAT = -1072882723**

Allowing nonsquare pixel output is not compatible with Windows Media Player 7.1.

**NS\_E\_INVALID\_NUM\_PASSES = -1072886827**

The wrong number of preprocessing passes was used for the stream's output type.

**NS\_E\_INVALID\_OPERATING\_SYSTEM\_VERSION = -1072884647**

This feature requires Windows Server 2003, Enterprise Edition.

**NS\_E\_INVALID\_OUTPUT\_FORMAT = -1072886853**

The output media format is invalid.

**NS\_E\_INVALID\_PIXEL\_ASPECT\_RATIO = -1072882718**

The pixel aspect ratio value must be between 1 and 255.

**NS\_E\_INVALID\_PLAY\_STATISTICS = -1072884345**

Invalid play statistics for logging.

**NS\_E\_INVALID\_PLUGIN\_LOAD\_TYPE\_CONFIGURATION = -1072884652**

The plug-in does not support any load types. The plug-in must support at least one load type.

**NS\_E\_INVALID\_PORT = -1072889789**

The specified port is not valid.

**NS\_E\_INVALID\_PROFILE\_CONTENTTYPE = -1072882716**

The profile must contain at least one audio or video stream.

**NS\_E\_INVALID\_PUBLISHING\_POINT\_NAME = -1072884651**

The publishing point name is invalid.

**NS\_E\_INVALID\_PUSH\_PUBLISHING\_POINT = -1072884453**

The specified push publishing point is invalid.

**NS\_E\_INVALID\_PUSH\_PUBLISHING\_POINT\_START\_REQUEST = -1072884645**

Push publishing points are started when the encoder starts pushing the stream. This publishing point cannot be started by the server administrator.

**NS\_E\_INVALID\_PUSH\_TEMPLATE = -1072884454**

The specified push template is invalid.

**NS\_E\_INVALID\_QUERY\_OPERATOR = -1072876849**

Invalid query operator.

**NS\_E\_INVALID\_QUERY\_PROPERTY = -1072876848**

Invalid query property.

**NS\_E\_INVALID\_REDIRECT = -1072877846**

The server redirected the player to an invalid location.

**NS\_E\_INVALID\_REQUEST = -1072889813**

The request is invalid in the current state.

**NS\_E\_INVALID\_SAMPLING\_RATE = -1072886832**

The given sampling rate is invalid.

**NS\_E\_INVALID\_SCRIPT\_BITRATE = -1072882737**

The script bit rate specified is not valid.

**NS\_E\_INVALID\_SOURCE\_WITH\_DEVICE\_CONTROL = -1072882722**

Only capture devices can be used with device control.

**NS\_E\_INVALID\_STREAM = -1072889796**

The specified stream does not exist.

**NS\_E\_INVALID\_TIMECODE = -1072882730**

The specified time code is not valid.

**NS\_E\_INVALID\_TTL = -1072889788**

The specified TTL is not valid.

**NS\_E\_INVALID\_VBR\_COMPAT = -1072882766**

Using a VBR encoding mode is not compatible with Windows Media Player 7.1.

**NS\_E\_INVALID\_VBR\_WITH\_UNCOMP = -1072882764**

It is not possible to use a VBR encoding mode with uncompressed audio or video.

**NS\_E\_INVALID\_VIDEO\_BITRATE = -1072882753**

The video bit rate setting is not valid.

**NS\_E\_INVALID\_VIDEO\_BUFFER = -1072882743**

The video buffer setting is not valid.

**NS\_E\_INVALID\_VIDEO\_BUFFERMAX = -1072882742**

The setting for the maximum buffer size for video is not valid.

**NS\_E\_INVALID\_VIDEO\_BUFFERMAX\_2 = -1072882741**

The value of the video maximum buffer size setting must be greater than the video buffer size setting.

**NS\_E\_INVALID\_VIDEO\_CQUALITY = -1072882744**

The video codec quality setting is not valid.

**NS\_E\_INVALID\_VIDEO\_FPS = -1072882747**

The video frame rate setting is not valid.

**NS\_E\_INVALID\_VIDEO\_HEIGHT = -1072882748**

The video height setting is not valid.

**NS\_E\_INVALID\_VIDEO\_HEIGHT\_ALIGN = -1072882739**

The alignment of the video height is not valid.

**NS\_E\_INVALID\_VIDEO\_IQUALITY = -1072882745**

The video image quality setting is not valid.

**NS\_E\_INVALID\_VIDEO\_KEYFRAME = -1072882746**

The video key frame setting is not valid.

**NS\_E\_INVALID\_VIDEO\_PEAKRATE = -1072882751**

The video peak bit rate setting is not valid.

**NS\_E\_INVALID\_VIDEO\_PEAKRATE\_2 = -1072882750**

The video peak bit rate setting must be greater than the video bit rate setting.

**NS\_E\_INVALID\_VIDEO\_WIDTH = -1072882749**

The video width setting is not valid.

**NS\_E\_INVALID\_VIDEO\_WIDTH\_ALIGN = -1072882740**

The alignment of the video width is not valid.

**NS\_E\_INVALID\_VIDEO\_WIDTH\_FOR\_INTERLACED\_ENCODING = -1072882712**

When you choose to maintain the interlacing in your video, the output video size must be a multiple of 4.

**NS\_E\_LANGUAGE\_MISMATCH = -1072882788**

The same source index in different audiences should have the same languages.

**NS\_E\_LATE\_OPERATION = -1072889810**

An operation requested for a particular time could not be carried out on schedule.

**NS\_E\_LATE\_PACKET = -1072886830**

The packet arrived too late to be of use.

**NS\_E\_LICENSE\_EXPIRED = -1072889644**

The product license has expired.

**NS\_E\_LICENSE\_HEADER\_MISSING\_URL = -1072879750**

The content header is missing an acquisition URL.

**NS\_E\_LICENSE\_INCORRECT\_RIGHTS = -1072886847**

You are not allowed to open this file. Contact the content provider for further assistance.

**NS\_E\_LICENSE\_OUTOFDATE = -1072886848**

The license for this media file has expired. Get a new license or contact the content provider for further assistance.

**NS\_E\_LICENSE\_REQUIRED = -1072886850**

You need a license to perform the requested operation on this media file.

**NS\_E\_LOGFILEPERIOD = -1072889784**

Invalid value for LogFilePeriod.

**NS\_E\_LOG\_FILE\_SIZE = -1072889782**

The maximum log file size has been reached.

**NS\_E\_LOG\_NEED\_TO\_BE\_SKIPPED = -1072884344**

The log needs to be skipped.

**NS\_E\_MARKIN\_UNSUPPORTED = -1072882711**

Markin/Markout is unsupported with this source type.

**NS\_E\_MAX\_BITRATE = -1072889785**

Cannot exceed the maximum bandwidth limit.

**NS\_E\_MAX\_CLIENTS = -1072889783**

Cannot exceed the maximum client limit.

**NS\_E\_MAX\_FILERATE = -1072889781**

Cannot exceed the maximum file rate.

**NS\_E\_MAX\_FUNNELS\_ALERT = -1072889760**

The NetShow data stream limit of %1 streams was reached.

**NS\_E\_MAX\_PACKET\_SIZE\_TOO\_SMALL = -1072886831**

The given maximum packet size is too small to accommodate this profile.)

**NS\_E\_MEDIACD\_READ\_ERROR = -1072885555**

Windows Media Player cannot play the CD. The disc might be dirty or damaged.

**NS\_E\_MEDIA\_LIBRARY\_FAILED = -1072885810**

Windows Media Player cannot create the library. You must be logged on as an administrator or a member of the Administrators group to install the Player. For more information, contact your system administrator.

**NS\_E\_MEDIA\_PARSER\_INVALID\_FORMAT = -1072884351**

The server cannot stream the selected file because it is either damaged or corrupt. Select a different file.

**NS\_E\_MEMSTORAGE\_BAD\_DATA = -1072885381**

Windows Media Player encountered an error while burning a CD.

**NS\_E\_METADATA\_CACHE\_DATA\_NOT\_AVAILABLE = -1072876837**

The cached metadata (or metadata item) is not available.

**NS\_E\_METADATA\_CANNOT\_RETRIEVE\_FROM\_OFFLINE\_CACHE = -1072876834**

Cannot retrieve metadata from the offline metadata cache.

**NS\_E\_METADATA\_CANNOT\_SET\_LOCALE = -1072876841**

Cannot set the locale id.

**NS\_E\_METADATA\_FORMAT\_NOT\_SUPPORTED = -1072876843**

The metadata format is not supported.

**NS\_E\_METADATA\_IDENTIFIER\_NOT\_AVAILABLE = -1072876835**

The metadata content identifier is not available.

**NS\_E\_METADATA\_INVALID\_DOCUMENT\_TYPE = -1072876836**

The metadata document is invalid.

**NS\_E\_METADATA\_LANGUAGE\_NOT\_SUPPORTED = -1072876840**

The language is not supported in the format.

**NS\_E\_METADATA\_NOT\_AVAILABLE = -1072876838**

The metadata (or metadata item) is not available.

**NS\_E\_METADATA\_NO\_EDITING\_CAPABILITY = -1072876842**

Cannot edit the metadata.

**NS\_E\_METADATA\_NO\_RFC1766\_NAME\_FOR\_LOCALE = -1072876839**

There is no RFC1766 name translation for the supplied locale id.

**NS\_E\_MISMATCHED\_MEDIACONTENT = -1072882849**

The profile's media types must match the media types defined for the session.

**NS\_E\_MISSING\_AUDIENCE = -1072882792**

An audience is missing from the output stream configuration.

**NS\_E\_MISSING\_CHANNEL = -1072889641**

Station %1 does not exist.

**NS\_E\_MISSING\_SOURCE\_INDEX = -1072882790**

A source index is missing from the output stream configuration.

**NS\_E\_MIXER\_INVALID\_CONTROL = -1072885850**

An invalid control error occurred in the mixer.

**NS\_E\_MIXER\_INVALID\_LINE = -1072885851**

An invalid line error occurred in the mixer.

**NS\_E\_MIXER\_INVALID\_VALUE = -1072885849**

An invalid value error occurred in the mixer.

**NS\_E\_MIXER\_NODRIVER = -1072885841**

Could not open a sound mixer driver.

**NS\_E\_MIXER\_UNKNOWN\_MMRESULT = -1072885848**

An unrecognized MMRESULT occurred in the mixer.

**NS\_E\_MLS\_SMARTPLAYLIST\_FILTER\_NOT\_REGISTERED = -1072885643**

The specified auto playlist contains a filter type that is either not valid or is not installed on this computer.

**NS\_E\_MMSAUTOSERVER\_CANTFINDWALKER = -1072889786**

Unable to load the appropriate file parser.

**NS\_E\_MMS\_NOT\_SUPPORTED = -1072877830**

The MMS protocol is not supported. Please use HTTP or RTSP to connect to the Windows Media stream.

**NS\_E\_MONITOR\_GIVEUP = -1072889656**

Netshow Events Monitor is not operational and has been disconnected.

**NS\_E\_MP3\_FORMAT\_NOT\_FOUND = -1072885846**

Windows Media Player cannot rip the track because a compatible MP3 encoder is not installed on your computer. Install a compatible MP3 encoder or choose a different format to rip to (such as Windows Media Audio).

**NS\_E\_MPDB\_GENERIC = -1072885812**

Windows Media Player encountered an error while attempting to access information in the library. Try restarting the Player.

**NS\_E\_MSAUDIO\_NOT\_INSTALLED = -1072886855**

The MSAudio codec is not installed on this system.

**NS\_E\_MSBD\_NO\_LONGER\_SUPPORTED = -1072877844**

The MSBD protocol is no longer supported. Please use HTTP to connect to the Windows Media stream.

**NS\_E\_MULTICAST\_DISABLED = -1072877847**

The content cannot be streamed because the Multicast protocol has been disabled.

**NS\_E\_MULTICAST\_PLUGIN\_NOT\_ENABLED = -1072884648**

A multicast data writer plug-in must be enabled in order for this operation to be completed.

**NS\_E\_MULTIPLE\_AUDIO\_CODECS = -1072882761**

All audiences must use the same audio codec.

**NS\_E\_MULTIPLE\_AUDIO\_FORMATS = -1072882760**

All audiences should use the same audio format to be compatible with Windows Media Player 7.1.

**NS\_E\_MULTIPLE\_FILE\_BITRATES = -1072882736**

All bit rates must have the same file transfer bit rate.

**NS\_E\_MULTIPLE\_SCRIPT\_BITRATES = -1072882738**

All bit rates must have the same script bit rate.

**NS\_E\_MULTIPLE\_VBR\_AUDIENCES = -1072882763**

It is not possible to use MBR encoding with VBR encoding.

**NS\_E\_MULTIPLE\_VIDEO\_CODECS = -1072882755**

All audiences must use the same video codec.

**NS\_E\_MULTIPLE\_VIDEO\_SIZES = -1072882754**

All audiences should use the same video size to be compatible with Windows Media Player 7.1.

**NS\_E\_NAMESPACE\_BAD\_NAME = -1072884842**

The namespace node name is invalid.

**NS\_E\_NAMESPACE\_BUFFER\_TOO\_SMALL = -1072884850**

The buffer supplied to hold namespace node string is too small.

**NS\_E\_NAMESPACE\_CALLBACK\_NOT\_FOUND = -1072884847**

Cannot find the callback in the namespace when attempting to remove the callback.

**NS\_E\_NAMESPACE\_DUPLICATE\_CALLBACK = -1072884848**

It is not possible to register an already-registered callback on a namespace node.

**NS\_E\_NAMESPACE\_DUPLICATE\_NAME = -1072884845**

Cannot create a namespace node that already exists.

**NS\_E\_NAMESPACE\_EMPTY\_NAME = -1072884844**

The namespace node name cannot be a null string.

**NS\_E\_NAMESPACE\_INDEX\_TOO\_LARGE = -1072884843**

Finding a child namespace node by index failed because the index exceeded the number of children.

**NS\_E\_NAMESPACE\_NAME\_TOO\_LONG = -1072884846**

The namespace node name exceeds the allowed maximum length.

**NS\_E\_NAMESPACE\_NODE\_CONFLICT = -1072884852**

It is not possible to remove the root namespace node.

**NS\_E\_NAMESPACE\_NODE\_NOT\_FOUND = -1072884851**

The specified namespace node could not be found.

**NS\_E\_NAMESPACE\_TOO\_MANY\_CALLBACKS = -1072884849**

The callback list on a namespace node is at the maximum size.

**NS\_E\_NAMESPACE\_WRONG\_PERSIST = -1072884854**

It is not possible to create a persistent namespace node under a transient parent node.

**NS\_E\_NAMESPACE\_WRONG\_SECURITY = -1072884841**

It is not possible to store a value in a namespace node that has a different security type.

**NS\_E\_NAMESPACE\_WRONG\_TYPE = -1072884853**

It is not possible to store a value in a namespace node that has a different value type.

**NS\_E\_NEED\_CORE\_REFERENCE = -1072885556**

The use of this method requires an existing reference to the Player object.

**NS\_E\_NEED\_TO\_ASK\_USER = -1072885798**

Action requires input from the user.

**NS\_E\_NETWORK\_BUSY = -1072889842**

The network is busy.

**NS\_E\_NETWORK\_RESOURCE\_FAILURE = -1072889816**

An attempt to acquire a network resource failed.

**NS\_E\_NETWORK\_SERVICE\_FAILURE = -1072889817**

The network service provider failed.

**NS\_E\_NETWORK\_SINK\_WRITE = -1072877832**

The network sink failed to write data to the network.

**NS\_E\_NET\_READ = -1072889835**

Error reading from the network.

**NS\_E\_NET\_WRITE = -1072889836**

Error writing to the network.

**NS\_E\_NOCONNECTION = -1072889851**

There is no connection established with the Windows Media server. The operation failed.

**NS\_E\_NOFUNNEL = -1072889844**

There is no data connection established.

**NS\_E\_NOMATCHING\_ELEMENT = -1072882850**

No matching element is found in the list.

**NS\_E\_NOMATCHING\_MEDIASOURCE = -1072882854**

No matching media type is found in the source %1.

**NS\_E\_NONSQUAREPIXELMODE\_MISMATCH = -1072882772**

The same source index in different audiences should have the same nonsquare pixel mode.

**NS\_E\_NOREGISTEREDWALKER = -1072889845**

There is no file parser registered for this type of file.

**NS\_E\_NOSOURCEGROUPS = -1072882816**

This SourceGroupCollection doesn't contain any SourceGroups.

**NS\_E\_NOSTATSAVAILABLE = -1072882819**

No statistics are available at this time.

**NS\_E\_NOTARCHIVING = -1072882818**

The encoder is not archiving.

**NS\_E\_NOTHING\_TO\_DO = -1072887823**

Nothing to do.

**NS\_E\_NOTITLES = -1072889794**

The system cannot find any titles on the server.

**NS\_E\_NOT\_CONFIGURED = -1072886852**

The object must be fully configured before audio samples can be processed.

**NS\_E\_NOT\_CONNECTED = -1072886837**

The requested URL cannot be accessed because there is no network connection.

**NS\_E\_NOT\_CONTENT\_PARTNER\_TRACK = -1072884902**

The provider of this file cannot be identified.

**NS\_E\_NOT\_LICENSED = -1072889651**

The application is not licensed for this feature.

**NS\_E\_NOT\_REBUILDING = -1072889811**

The disk is not rebuilding.

**NS\_E\_NO\_ACTIVE\_SOURCEGROUP = -1072882830**

No source is currently active.

**NS\_E\_NO\_AUDIENCES = -1072882768**

The profile must contain a bit rate.

**NS\_E\_NO\_AUDIODATA = -1072882807**

No audio data has been received for several seconds. Check the audio source and restart the encoder.

**NS\_E\_NO\_AUDIO\_COMPAT = -1072882767**

You must specify at least one audio stream to be compatible with Windows Media Player 7.1.

**NS\_E\_NO\_AUDIO\_TIMECOMPRESSION = -1072882729**

It is not possible to apply time compression to a video-only session.

**NS\_E\_NO\_CD = -1072885856**

There is no CD in the CD drive. Insert a CD, and then try again.

**NS\_E\_NO\_CD\_BURNER = -1072885386**

Windows Media Player cannot burn the files because the Player cannot find a burner. If the burner is connected properly, try using Windows Update to install the latest device driver.

**NS\_E\_NO\_CHANNELS = -1072889640**

You need to define at least one station before this operation can complete.

**NS\_E\_NO\_DATAVIEW\_SUPPORT = -1072882814**

It is not possible to display your source or output video in the Video panel.

**NS\_E\_NO\_DEVICE = -1072889743**

No device driver is present on the system.

**NS\_E\_NO\_ERROR\_STRING\_FOUND = -1072885808**

Windows Media Player has encountered an unknown error.

**NS\_E\_NO\_EXISTING\_PACKETIZER = -1072877827**

There is no existing packetizer plugin for a stream.

**NS\_E\_NO\_FORMATS = -1072889749**

The publishing point cannot be started because the server does not have the appropriate stream formats. Use the Multicast Announcement Wizard to create a new announcement for this publishing point.

**NS\_E\_NO\_FRAMES\_SUBMITTED\_TO\_ANALYZER = -1072882777**

No frames have been submitted to the analyzer for analysis.

**NS\_E\_NO\_LOCALPLAY = -1072889843**

Failed to load the local play DLL.

**NS\_E\_NO\_MBR\_WITH\_TIMECODE = -1072882726**

It is not possible to generate a time code when you are encoding content at multiple bit rates.

**NS\_E\_NO\_MEDIAFORMAT\_IN\_SOURCE = -1072882833**

No media format is set in source.

**NS\_E\_NO\_MEDIA\_IN\_AUDIENCE = -1072882769**

No audio or video input has been specified.

**NS\_E\_NO\_MEDIA\_PROTOCOL = -1072889445**

Content Server %1 (%2) is unable to communicate with the Media System Network Protocol.

**NS\_E\_NO\_MORE\_SAMPLES = -1072886833**

There are no more samples in the current range.

**NS\_E\_NO\_MULTICAST = -1072887822**

Not receiving data from the server.

**NS\_E\_NO\_MULTIPASS\_FOR\_LIVEDEVICE = -1072882793**

You must also enable storing content to hard disk temporarily in order to use two-pass encoding with the input device.

**NS\_E\_NO\_NEW\_CONNECTIONS = -1072884451**

The content cannot be played because the server is not currently accepting connections. Try connecting at a later time.

**NS\_E\_NO\_PAL\_INVERSE\_TELECINE = -1072882780**

It is not possible to apply the inverse telecine feature to PAL content.

**NS\_E\_NO\_PDA = -1072885383**

Windows Media Player does not detect a portable device. Connect your portable device, and then try again.

**NS\_E\_NO\_PROFILE\_IN\_SOURCEGROUP = -1072882841**

No profile is set for the source.

**NS\_E\_NO\_PROFILE\_NAME = -1072882765**

You must specify a profile name.

**NS\_E\_NO\_REALTIME\_PREPROCESS = -1072882804**

It is not possible to use image preprocessing with live encoding.

**NS\_E\_NO\_REALTIME\_TIMECOMPRESSION = -1072882810**

It is not possible to apply time compression to a broadcast session.

**NS\_E\_NO\_REFERENCES = -1072889748**

No reference URLs were found in an ASX file.

**NS\_E\_NO\_REPEAT\_PREPROCESS = -1072882803**

It is not possible to use two-pass encoding when the source is set to loop.

**NS\_E\_NO\_SCRIPT\_ENGINE = -1072884356**

There is no script engine available for this file.

**NS\_E\_NO\_SCRIPT\_STREAM = -1072882829**

No script stream is set in the current source.

**NS\_E\_NO\_SERVER\_CONTACT = -1072889650**

Unable to contact the server.

**NS\_E\_NO SMPTE\_WITH\_MULTIPLE\_SOURCEGROUPS = -1072882775**

It is not possible to generate a time code when there are multiple sources in a session.

**NS\_E\_NO\_SPECIFIED\_DEVICE = -1072889742**

No specified device driver is present.

**NS\_E\_NO\_STREAM = -1072889805**

There is no stream available.

**NS\_E\_NO\_TWOPASS\_TIMECOMPRESSION = -1072882728**

It is not possible to apply time compression to a session that is using two-pass encoding.

**NS\_E\_NO\_VALID\_OUTPUT\_STREAM = -1072882832**

Cannot find a valid output stream from the source.

**NS\_E\_NO\_VALID\_SOURCE\_PLUGIN = -1072882831**

It was not possible to find a valid source plug-in for the specified source.

**NS\_E\_NUM\_LANGUAGE\_MISMATCH = -1072882789**

The same source index in different audiences should have the same number of languages.

**NS\_E\_OFFLINE\_MODE = -1072886838**

The requested URL is not available in offline mode.

**NS\_E\_OPEN\_CONTAINING\_FOLDER\_FAILED = -1072884893**

The folder could not be opened. The folder might have been moved or deleted.

**NS\_E\_OPEN\_FILE\_LIMIT = -1072889807**

The client cannot have any more files open simultaneously.

**NS\_E\_OUTPUT\_PROTECTION\_LEVEL\_UNSUPPORTED = -1072879356**

Windows Media Player does not support the level of output protection required by the content.

**NS\_E\_OUTPUT\_PROTECTION\_SCHEME\_UNSUPPORTED = -1072879350**

Windows Media Player does not support the scheme of output protection required by the content.

**NS\_E\_PACKETSINK\_UNKNOWN\_FEC\_STREAM = -1072877814**

Unknown packet sink stream.

**NS\_E\_PAGING\_ERROR = -1072889758**

A Content Server was unable to page a block.

**NS\_E\_PARTIALLY\_REBUILT\_DISK = -1072889753**

Disk %1 is partially reconstructed.

**NS\_E\_PDA\_CANNOT\_CREATE\_ADDITIONAL\_SYNC\_RELATIONSHIP = -1072885371**

You have already created sync partnerships with 16 devices. To create a new sync partnership, you must first end an existing partnership.

**NS\_E\_PDA\_CANNOT\_SYNC\_FROM\_INTERNET = -1072885196**

Windows Media Player cannot sync content streamed directly from the Internet. If possible, download the file to your computer, and then try to sync the file.

**NS\_E\_PDA\_CANNOT\_SYNC\_FROM\_LOCATION = -1072885357**

Windows Media Player cannot sync the file to your device. The file might be stored in a location that is not supported. Copy the file from its current location to your hard disk, add it to your library, and then try to sync the file again.

**NS\_E\_PDA\_CANNOT\_SYNC\_INVALID\_PLAYLIST = -1072885195**

This playlist is not valid or is corrupted. Create a new playlist using Windows Media Player, then sync the new playlist instead.

**NS\_E\_PDA\_CANNOT\_TRANSCODE = -1072885367**

Windows Media Player cannot convert the file to the format required by the device.

**NS\_E\_PDA\_CANNOT\_TRANSCODE\_TO\_AUDIO = -1072885187**

Your device requires that this file be converted in order to play on the device. However, the device either does not support playing audio, or Windows Media Player cannot convert the file to an audio format that is supported by the device.

**NS\_E\_PDA\_CANNOT\_TRANSCODE\_TO\_IMAGE = -1072885185**

Your device requires that this file be converted in order to play on the device. However, the device either does not support displaying pictures, or Windows Media Player cannot convert the file to a picture format that is supported by the device.

**NS\_E\_PDA\_CANNOT\_TRANSCODE\_TO\_VIDEO = -1072885186**

Your device requires that this file be converted in order to play on the device. However, the device either does not support playing video, or Windows Media Player cannot convert the file to a video format that is supported by the device.

**NS\_E\_PDA\_CEWMMDM\_DRM\_ERROR = -1072885183**

Windows Media Player cannot sync the file because the device is not responding. This typically occurs when there is a problem with the device firmware. For additional assistance, click Web Help.

**NS\_E\_PDA\_DELETE\_FAILED = -1072885192**

Windows Media Player cannot delete a file from the device.

**NS\_E\_PDA\_DEVICESUPPORTDISABLED = -1072885360**

Automatic and manual sync have been turned off temporarily. To sync to a device, restart Windows Media Player.

**NS\_E\_PDA\_DEVICE\_FULL = -1072885377**

There is not enough storage space on the portable device to complete this operation. Delete some unneeded files on the portable device, and then try again.

**NS\_E\_PDA\_DEVICE\_FULL\_IN\_SESSION = -1072885375**

Windows Media Player did not sync some files to the device because there is not enough storage space on the device.

**NS\_E\_PDA\_DEVICE\_NOT\_RESPONDING = -1072885190**

Windows Media Player cannot communicate with the device because the device is not responding. Try reconnecting the device, resetting the device, or contacting the device manufacturer for updated firmware.

**NS\_E\_PDA\_ENCODER\_NOT\_RESPONDING = -1072885358**

Windows Media Player cannot sync the file because an error occurred while converting the file to another quality level or format. If the problem persists, remove the file from the list of files to sync.

**NS\_E\_PDA\_FAILED\_TO\_BURN = -1072885542**

Windows Media Player encountered a problem while burning the file to the disc. For additional assistance, click Web Help.

**NS\_E\_PDA\_FAILED\_TO\_ENCRYPT\_TRANSCODED\_FILE = -1072885188**

Windows Media Player cannot convert the file. The file might have been encrypted by the Encrypted File System (EFS). Try decrypting the file first and then synchronizing it. For information about how to decrypt a file, see Windows Help and Support.

**NS\_E\_PDA\_FAILED\_TO\_RETRIEVE\_FILE = -1072885191**

Windows Media Player cannot copy a file from the device to your library.

**NS\_E\_PDA\_FAILED\_TO\_SYNCHRONIZE\_FILE = -1072885194**

Windows Media Player encountered a problem while synchronizing the file to the device. For additional assistance, click Web Help.

**NS\_E\_PDA\_FAILED\_TO\_TRANSCODE\_PHOTO = -1072885189**

Windows Media Player cannot sync the picture to the device because a problem occurred while converting the file to another quality level or format. The original file might be damaged or corrupted.

**NS\_E\_PDA\_FAIL\_READ\_WAVE\_FILE = -1072885379**

Windows Media Player cannot open the WAV file.

**NS\_E\_PDA\_FAIL\_SELECT\_DEVICE = -1072885380**

Windows Media Player encountered an error while communicating with a portable device or CD drive.

**NS\_E\_PDA\_INITIALIZINGDEVICES = -1072885363**

Windows Media Player is busy setting up devices. Try again later.

**NS\_E\_PDA\_MANUALDEVICE = -1072885373**

Windows Media Player cannot perform the requested action because the device does not support sync.

**NS\_E\_PDA\_NO\_LONGER\_AVAILABLE = -1072885359**

This device is not available. Connect the device to the computer, and then try again.

**NS\_E\_PDA\_NO\_TRANSCODE\_OF\_DRM = -1072885370**

Windows Media Player cannot sync the file because protected files cannot be converted to the required quality level or file format.

**NS\_E\_PDA\_OBSOLETE\_SP = -1072885362**

Your device is using an outdated driver that is no longer supported by Windows Media Player. For additional assistance, click Web Help.

**NS\_E\_PDA\_PARTNERSHIPNOTEXIST = -1072885372**

To perform the requested action, you must first set up sync with the device.

**NS\_E\_PDA\_RETRIEVED\_FILE\_FILENAME\_TOO\_LONG = -1072885184**

Windows Media Player cannot sync the file to your computer because the file name is too long. Try renaming the file on the device.

**NS\_E\_PDA\_SYNC\_FAILED = -1072885193**

Windows Media Player encountered an error while synchronizing to the device.

**NS\_E\_PDA\_SYNC\_LOGIN\_ERROR = -1072885180**

Windows Media Player cannot sync the subscription content because you are not signed in to the online store that provided it. Sign in to the online store, and then try again.

**NS\_E\_PDA\_SYNC\_RUNNING = -1072885181**

It is not possible to perform the requested action because sync is in progress. You can either stop sync or wait for it to complete, and then try again.

**NS\_E\_PDA\_TITLE\_COLLISION = -1072885361**

Windows Media Player cannot sync the file because a file with the same name already exists on the device. Change the file name or try to sync the file to a different folder.

**NS\_E\_PDA\_TOO\_MANY\_FILES\_IN\_DIRECTORY = -1072885366**

You have reached the maximum number of files your device allows in a folder. If your device supports playback from subfolders, try creating subfolders on the device and storing some files in them.

**NS\_E\_PDA\_TOO\_MANY\_FILE\_COLLISIONS = -1072885368**

There are too many files with the same name in the folder on the device. Change the file name or sync to a different folder.

**NS\_E\_PDA\_TRANSCODECACHEFULL = -1072885369**

The folder that stores converted files is full. Either empty the folder or increase its size, and then try again.

**NS\_E\_PDA\_TRANSCODE\_CODEC\_NOT\_FOUND = -1072885179**

Windows Media Player cannot convert the file to the format required by the device. One or more codecs required to convert the file could not be found.

**NS\_E\_PDA\_TRANSCODE\_NOT\_PERMITTED = -1072885364**

Windows Media Player cannot convert this file format. If an updated version of the codec used to compress this file is available, install it and then try to sync the file again.

**NS\_E\_PDA\_UNSPECIFIED\_ERROR = -1072885382**

Windows Media Player encountered an error while communicating with the device. The storage card on the device might be full, the device might be turned off, or the device might not allow playlists or folders to be created on it.

**NS\_E\_PDA\_UNSUPPORTED\_FORMAT = -1072885384**

Windows Media Player cannot sync this file. The Player might not support the file type.

**NS\_E\_PLAYLIST\_CONTAINS\_ERRORS = -1072885569**

Windows Media Player cannot play one or more files. For additional information, right-click an item that cannot be played, and then click Error Details.

**NS\_E\_PLAYLIST\_END RECEDING = -1072884547**

The playlist has ended while receding.

**NS\_E\_PLAYLIST\_ENTRY\_ALREADY\_PLAYING = -1072884556**

The playlist entry is already playing.

**NS\_E\_PLAYLIST\_ENTRY\_HAS\_CHANGED = -1072877835**

A command applies to a previous playlist entry.

**NS\_E\_PLAYLIST\_ENTRY\_NOT\_IN\_PLAYLIST = -1072884552**

Cannot jump to a playlist entry that is not inserted in the playlist.

**NS\_E\_PLAYLIST\_ENTRY\_SEEK = -1072884551**

Cannot seek to the desired playlist entry.

**NS\_E\_PLAYLIST\_PARSE\_FAILURE = -1072884554**

The server was unable to parse the requested playlist file.

**NS\_E\_PLAYLIST\_PLUGIN\_NOT\_FOUND = -1072884353**

No enabled playlist parser plug-in is available to access the requested content.

**NS\_E\_PLAYLIST\_RECURSIVE\_PLAYLISTS = -1072884550**

Cannot play recursive playlist.

**NS\_E\_PLAYLIST\_SHUTDOWN = -1072884548**

Cannot execute the requested operation because the playlist has been shut down by the Media Server.

**NS\_E\_PLAYLIST\_TOO\_MANY\_NESTED\_PLAYLISTS = -1072884549**

The number of nested playlists exceeded the limit the server can handle.

**NS\_E\_PLAYLIST\_UNSUPPORTED\_ENTRY = -1072884553**

The requested operation is not supported for this type of playlist entry.

**NS\_E\_PLUGIN\_CLSID\_INVALID = -1072882826**

The plug-in CLSID specified is not valid.

**NS\_E\_PLUGIN\_ERROR\_REPORTED = -1072884355**

The plug-in has reported an error. See the Troubleshooting tab or the NT Application Event Log for details.

**NS\_E\_PLUGIN\_NOTSHUTDOWN = -1072885802**

Windows Media Player was not closed properly. A damaged or incompatible plug-in might have caused the problem to occur. As a precaution, all optional plug-ins have been disabled.

**NS\_E\_PORT\_IN\_USE = -1072884342**

One usage of each socket address (protocol/network address/port) is permitted. Verify that other services or applications are not attempting to use the same port and then try to enable the plug-in again.

**NS\_E\_PORT\_IN\_USE\_HTTP = -1072884341**

One usage of each socket address (protocol/network address/port) is permitted. Verify that other services (such as IIS) or applications are not attempting to use the same port and then try to enable the plug-in again.

**NS\_E\_PROCESSINGSHOWSYNCWIZARD = -1072885365**

Windows Media Player is already trying to start the Device Setup Wizard.

**NS\_E\_PROFILE\_MISMATCH = -1072882821**

Profiles on the sources do not match.

**NS\_E\_PROPERTY\_NOT\_FOUND = -1072876854**

The property was not found.

**NS\_E\_PROPERTY\_NOT\_SUPPORTED = -1072876846**

The property is not supported.

**NS\_E\_PROPERTY\_READ\_ONLY = -1072876852**

The property is read only.

**NS\_E\_PROTECTED\_CONTENT = -1072886851**

You need a license to perform the requested operation on this media file.

**NS\_E\_PROTOCOL\_MISMATCH = -1072889838**

There is no protocol or protocol version supported by both the client and the server.

**NS\_E\_PROXY\_ACCESSDENIED = -1072877834**

The proxy server is denying access. The username and/or password might be incorrect.

**NS\_E\_PROXY\_CONNECT\_TIMEOUT = -1072877817**

It was not possible to establish a connection to the proxy server in a timely manner. Please check your proxy server configuration.

**NS\_E\_PROXY\_DNS\_TIMEOUT = -1072877840**

Unable to locate the proxy server. The operation timed out.

**NS\_E\_PROXY\_NOT\_FOUND = -1072877843**

The proxy server could not be located. Please check your proxy server configuration.

**NS\_E\_PROXY\_SOURCE\_ACCESSDENIED = -1072877833**

The proxy could not provide valid authentication credentials to the media server.

**NS\_E\_PROXY\_TIMEOUT = -1072877851**

The proxy did not receive a timely response while attempting to contact the media server.

**NS\_E\_PUBLISHING\_POINT\_INVALID\_REQUEST\_WHILE\_STARTED = -1072884649**

The requested operation cannot be completed while the publishing point is started.

**NS\_E\_PUBLISHING\_POINT\_REMOVED = -1072884646**

The requested operation cannot be completed because the specified publishing point has been removed.

**NS\_E\_PUBLISHING\_POINT\_STOPPED = -1072884642**

The operation cannot be completed because the publishing point has been stopped.

**NS\_E\_PUSH\_CANNOTCONNECT = -1072877813**

Unable to establish a connection to the server. Ensure Windows Media Services is started and the HTTP Server control protocol is properly enabled.

**NS\_E\_PUSH\_DUPLICATE\_PUBLISHING\_POINT\_NAME = -1072884448**

The specified publishing point name is already in use.

**NS\_E\_REBOOT\_RECOMMENDED = -1072878854**

Installation was not successful and some file cleanup is not complete. For best results, restart your computer.

**NS\_E\_REBOOT\_REQUIRED = -1072878853**

Installation was not successful. To continue, you must restart your computer.

**NS\_E\_RECORDQ\_DISK\_FULL = -1072882781**

The hard disk being used for temporary storage of content has reached the minimum allowed disk space. Create more space on the hard disk and restart encoding.

**NS\_E\_REDBOOK\_ENABLED WHILE COPYING = -1072885840**

Windows Media Player cannot rip tracks from the CD correctly because the CD drive settings in Device Manager do not match the CD drive settings in the Player.

**NS\_E\_REDIRECT = -1072884856**

The client redirected to another server.

**NS\_E\_REDIRECT\_TO\_PROXY = -1072877855**

The client is redirected to a proxy server.

**NS\_E\_REFUSED\_BY\_SERVER = -1072877849**

The server is refusing to fulfill the requested operation.

**NS\_E\_REG\_FLUSH\_FAILURE = -1072879720**

The requested action cannot be performed because a problem occurred with the Windows Media Digital Rights Management (DRM) components on your computer.

**NS\_E\_REMIRRORED\_DISK = -1072889655**

Disk %1 is remirrored.

**NS\_E\_REQUIRE\_STREAMING\_CLIENT = -1072877836**

Content requires a streaming media client.

**NS\_E\_RESET\_SOCKET\_CONNECTION = -1072877824**

The Windows Media Server reset the network connection.

**NS\_E\_RESOURCE\_GONE = -1072877828**

The Publishing Point or file on the Windows Media Server is no longer available.

**NS\_E\_SAME\_AS\_INPUT\_COMBINATION = -1072882734**

All audiences in a profile should either be same as input or have video width and height specified.

**NS\_E\_SCHEMA\_CLASSIFY\_FAILURE = -1072876844**

Schema classification failure.

**NS\_E\_SCRIPT\_DEBUGGER\_NOT\_INSTALLED = -1072884350**

The plug-in cannot be enabled because a compatible script debugger is not installed on this system. Install a script debugger, or disable the script debugger option on the general tab of the plug-in's properties page and try again.

**NS\_E\_SDK\_BUFFERTOOSMALL = -1072886828**

Supplied buffer is too small.

**NS\_E\_SERVER\_ACCESSDENIED = -1072877829**

The Windows Media server is denying access. The username and/or password might be incorrect.

**NS\_E\_SERVER\_DNS\_TIMEOUT = -1072877841**

Unable to locate the media server. The operation timed out.

**NS\_E\_SERVER\_NOT\_FOUND = -1072889803**

The specified server could not be found.

**NS\_E\_SERVER\_UNAVAILABLE = -1072877850**

The server is currently unable to handle the request due to a temporary overloading or maintenance of the server.

**NS\_E\_SESSION\_INVALID = -1072877816**

Session not found.

**NS\_E\_SESSION\_NOT\_FOUND = -1072877837**

Session not found.

**NS\_E\_SETUP\_BLOCKED = -1072878848**

Installation is blocked because your computer does not meet one or more of the setup requirements.

**NS\_E\_SETUP\_DRM\_MIGRATION\_FAILED = -1072878851**

Setup cannot migrate the Windows Media Digital Rights Management (DRM) components.

**NS\_E\_SETUP\_DRM\_MIGRATION\_FAILED\_AND\_IGNORABLE\_FAILURE = -1072878849**

Setup cannot migrate the Windows Media Digital Rights Management (DRM) components. In addition, some skin or playlist components cannot be installed.

**NS\_E\_SETUP\_IGNORABLE\_FAILURE = -1072878850**

Some skin or playlist components cannot be installed.

**NS\_E\_SETUP\_INCOMPLETE = -1072878852**

Installation was not successful.

**NS\_E\_SET\_DISK\_UID\_FAILED = -1072889823**

Could not set the disk UID.

**NS\_E\_SHARING\_STATE\_OUT\_OF\_SYNC = -1072885772**

Media sharing has been turned off because a required Windows setting or component has changed.  
For additional assistance, click Web Help.

**NS\_E\_SHARING\_VIOLATION = -1072885809**

The file is already in use. Close other programs that might be using the file, or stop playing the file, and then try again.

**NS\_E\_SHUTDOWN = -1072889814**

The session is being terminated locally.

**NS\_E\_SLOW\_READ\_DIGITAL = -1072885852**

Windows Media Player could not use digital playback to play the CD. The Player has automatically switched the CD drive to analog playback. To switch back to digital CD playback, use the Devices tab.  
For additional assistance, click Web Help.

**NS\_E\_SLOW\_READ\_DIGITAL\_WITH\_ERRORCORRECTION = -1072885251**

Windows Media Player cannot play audio CDs correctly because the CD drive is slow and error correction is turned on. To increase performance, turn off playback error correction for this drive.

**NS\_E\_SMPTEMODE\_MISMATCH = -1072882771**

The same source index in different audiences should have the same time code mode.

**NS\_E\_SOURCEGROUP\_NOTPREPARED = -1072882822**

The source is not yet prepared.

**NS\_E\_SOURCE\_CANNOT\_LOOP = -1072882733**

This source type does not support looping.

**NS\_E\_SOURCE\_NOTSPECIFIED = -1072882811**

The source has not been set up completely.

**NS\_E\_SOURCE\_PLUGIN\_NOT\_FOUND = -1072884354**

No enabled data source plug-in is available to access the requested content.

**NS\_E\_SPEECHEDL\_ON\_NON\_MIXEDMODE = -1072882798**

You must specify a mixed voice and audio mode in order to use an optimization definition file.

**NS\_E\_STALE\_PRESENTATION = -1072884855**

The streaming media description is no longer current.

**NS\_E\_STREAM\_END = -1072889804**

There is no more data in the stream.

**NS\_E\_STRIDE\_REFUSED = -1072889787**

The request to fast forward or rewind could not be fulfilled.

**NS\_E\_SUBSCRIPTIONSERVICE\_DOWNLOAD\_TIMEOUT = -1072884896**

Windows Media Player cannot download this item because the server is not responding. The server might be temporarily unavailable or the Internet connection might be lost.

**NS\_E\_SUBSCRIPTIONSERVICE\_LOGIN\_FAILED = -1072884897**

Windows Media Player cannot sign in to the online store. Verify that you are using the correct user name and password. If the problem persists, the store might be temporarily unavailable.

**NS\_E\_SUBSCRIPTIONSERVICE\_PLAYBACK\_DISALLOWED = -1072884906**

The content provider has not granted you the right to play this file. Go to the content provider's online store to get play rights.

**NS\_E\_SYNCWIZ\_CANNOT\_CHANGE\_SETTINGS = -1072885265**

It is not possible to change sync settings at this time. Try again later.

**NS\_E\_SYNCWIZ\_DEVICE\_FULL = -1072885266**

Windows Media Player cannot save the sync settings because your device is full. Delete some unneeded files on your device and then try again.

**NS\_E\_TABLE\_KEY\_NOT\_FOUND = -1072876851**

The table key was not found.

**NS\_E\_TAMPERED\_CONTENT = -1072886849**

This media file is corrupted or invalid. Contact the content provider for a new file.

**NS\_E\_TCP\_DISABLED = -1072889646**

TCP protocol not enabled. Not trying %1!ls!.

**NS\_E\_TIGER\_FAIL = -1072889776**

The Title Server %1 has failed.

**NS\_E\_TIMECODE\_REQUIRES\_VIDEOSTREAM = -1072882727**

It is not possible to generate a time code for an audio-only session.

**NS\_E\_TIMEOUT = -1072889837**

The server, a computer set up to offer multimedia content to other computers, could not handle your request for multimedia content in a timely manner. Please try again later.

**NS\_E\_TITLE\_BITRATE = -1072889643**

Source file exceeds the per title maximum bitrate. See NetShow Theater documentation for more information.

**NS\_E\_TITLE\_SIZE\_EXCEEDED = -1072889648**

Maximum size of a title exceeded.

**NS\_E\_TOO\_MANY\_AUDIO = -1072882852**

It is not possible to specify more than one audio input.

**NS\_E\_TOO\_MANY\_DEVICECONTROL = -1072882794**

Only one device control plug-in can control a device.

**NS\_E\_TOO\_MANY\_HOPS = -1072877822**

The request could not reach the media server (too many hops).

**NS\_E\_TOO\_MANY\_MULTICAST\_SINKS = -1072884650**

Only one multicast data writer plug-in can be enabled for a publishing point.

**NS\_E\_TOO\_MANY\_SESS = -1072889841**

The server session limit was exceeded.

**NS\_E\_TOO\_MANY\_TITLES = -1072889649**

Maximum number of titles exceeded.

**NS\_E\_TOO\_MANY\_VIDEO = -1072882851**

It is not possible to specify more than two video inputs.

**NS\_E\_TOO MUCH\_DATA = -1072886836**

The encoding process was unable to keep up with the amount of supplied data.

**NS\_E\_TOO MUCH\_DATA\_FROM\_SERVER = -1072877819**

The server is sending too much data. The connection has been terminated.

**NS\_E\_TRACK\_DOWNLOAD\_REQUIRES\_ALBUM\_PURCHASE = -1072884901**

The file is only available for download when you buy the entire album.

**NS\_E\_TRACK\_DOWNLOAD\_REQUIRES\_PURCHASE = -1072884900**

You must buy the file before you can download it.

**NS\_E\_TRACK\_PURCHASE\_MAXIMUM\_EXCEEDED = -1072884899**

You have exceeded the maximum number of files that can be purchased in a single transaction.

**NS\_E\_TRANSCODE\_DELETECACHEERROR = -1072885264**

Windows Media Player cannot delete these files currently. If the Player is synchronizing, wait until it is complete and then try again.

**NS\_E\_TRANSFORM\_PLUGIN\_INVALID = -1072882714**

The transform plug-in is not valid. It might be damaged or you might not have the required permissions to access the plug-in.

**NS\_E\_TRANSFORM\_PLUGIN\_NOT\_FOUND = -1072882715**

The transform plug-in could not be found.

**NS\_E\_UDP\_DISABLED = -1072889647**

UDP protocol not enabled. Not trying %1!ls!.

**NS\_E\_UNABLE\_TO\_CREATE\_RIP\_LOCATION = -1072885552**

Windows Media Player cannot rip the CD because a valid rip location cannot be created.

**NS\_E\_UNCOMPRESSED\_DIGITAL\_AUDIO\_PROTECTION\_LEVEL\_UNSUPPORTED = -1072879351**

Windows Media Player does not support the level of protection required for uncompressed digital audio.

**NS\_E\_UNCOMPRESSED\_DIGITAL\_VIDEO\_PROTECTION\_LEVEL\_UNSUPPORTED = -1072879354**

Windows Media Player does not support the level of protection required for uncompressed digital video.

**NS\_E\_UNCOMP\_COMP\_COMBINATION = -1072882762**

It is not possible to mix uncompressed and compressed content in a session.

**NS\_E\_UNEXPECTED\_DISPLAY\_SETTINGS = -1072882808**

It is not possible to start encoding because the display size or color has changed since the current session was defined. Restore the previous settings or create a new session.

**NS\_E\_UNEXPECTED\_MSAUDIO\_ERROR = -1072886854**

An unexpected error occurred with the MS Audio codec.

**NS\_E\_UNKNOWN\_PROTOCOL = -1072877856**

The specified protocol is not supported.

**NS\_E\_UNRECOGNIZED\_STREAM\_TYPE = -1072889818**

The specified protocol is not recognized. Be sure that the file name and syntax, such as slashes, are correct for the protocol.

**NS\_E\_UNSUPPORTED\_ARCHIVEOPERATION = -1072882824**

This archive operation is not supported.

**NS\_E\_UNSUPPORTED\_ARCHIVETYPE = -1072882825**

This archive type is not supported.

**NS\_E\_UNSUPPORTED\_ENCODER\_DEVICE = -1072882809**

It is not possible to open this device.

**NS\_E\_UNSUPPORTED\_LANGUAGE = -1072884644**

The specified language is not supported.

**NS\_E\_UNSUPPORTED\_LOAD\_TYPE = -1072884653**

The plug-in does not support the specified load type.

**NS\_E\_UNSUPPORTED\_PROPERTY = -1072886835**

The given property is not supported.

**NS\_E\_UNSUPPORTED\_SOURCETYPE = -1072882853**

The specified source type is not supported.

**NS\_E\_URLLIST\_INVALIDFORMAT = -1072885651**

Windows Media Player cannot play the playlist because it is not valid.

**NS\_E\_USER\_STOP = -1072885847**

User has stopped the operation.

**NS\_E\_USE\_FILE\_SOURCE = -1072876855**

Use file source.

**NS\_E\_VBRMODE\_MISMATCH = -1072882787**

The same source index in different audiences should use the same VBR encoding mode.

**NS\_E\_VIDCAPCREATEWINDOW = -1072882835**

It was not possible to create a video capture window.

**NS\_E\_VIDCAPDRVINUSE = -1072882834**

There is already a stream active on this video device.

**NS\_E\_VIDCAPSTARTFAILED = -1072882839**

It was not possible to start the video device.

**NS\_E\_VIDEODEVICE\_BUSY = -1072882844**

It is not possible to open the specified video capture device because it is currently in use.

**NS\_E\_VIDEODEVICE\_UNEXPECTED = -1072882843**

It is not possible to open the specified video capture device because an unexpected error has occurred.

**NS\_E\_VIDEODRIVER\_UNSTABLE = -1072882840**

The video capture driver returned an unrecoverable error. It is now in an unstable state.

**NS\_E\_VIDEO\_BITRATE\_STEPDOWN = -1072882752**

The video bit rate for an audience with a higher total bit rate must be greater than one with a lower total bit rate.

**NS\_E\_VIDEO\_CODEC\_ERROR = -1072886843**

An unexpected error occurred with the video codec.

**NS\_E\_VIDEO\_CODEC\_NOT\_INSTALLED = -1072886844**

The requested video codec is not installed on this system.

**NS\_E\_VIDSOURCECOMPRESSION = -1072882838**

The video source does not support the requested output format or color depth.

**NS\_E\_VIDSOURCESIZE = -1072882837**

The video source does not support the requested capture size.

**NS\_E\_WALKER\_SERVER = -1072889779**

The specified file, %1, cannot be loaded onto the specified server, %2.

**NS\_E\_WALKER\_UNKNOWN = -1072889780**

Unknown file type.

**NS\_E\_WALKER\_USAGE = -1072889778**

There was a usage error with file parser.

**NS\_E\_WAVE\_OPEN = -1072889747**

Error opening wave device, the device might be in use.

**NS\_E\_WINSOCK\_ERROR\_STRING = -1072885463**

Windows Media Player has encountered an unknown network error.

**NS\_E\_WIZARD\_RUNNING = -1072884348**

Another wizard is currently running. Please close the other wizard or wait until it finishes before attempting to run this wizard again.

**NS\_E\_WMDM\_REVOKED = -1072885572**

Windows Media Player cannot sync the file because the device needs to be updated.

**NS\_E\_WME\_VERSION\_MISMATCH = -1072882805**

The supplied configuration file is not supported by this version of the encoder.

**NS\_E\_WMG\_CANNOTQUEUE = -1072885684**

The file cannot be queued for seamless playback.

**NS\_E\_WMG\_COPP\_SECURITY\_INVALID = -1072885678**

Windows Media Player cannot play the protected file. The Player detected that the connection to your hardware might not be secure.

**NS\_E\_WMG\_COPP\_UNSUPPORTED = -1072885677**

Windows Media Player output link protection is unsupported on this system.

**NS\_E\_WMG\_FILETRANSFERNOTALLOWED = -1072885672**

File transfer streams are not allowed in the standalone Player.

**NS\_E\_WMG\_INVALIDSTATE = -1072885676**

Operation attempted in an invalid graph state.

**NS\_E\_WMG\_INVALID\_COPP\_CERTIFICATE = -1072885679**

Windows Media Player cannot play the protected file. The Player cannot verify that the connection to your video card is secure. Try installing an updated device driver for your video card.

**NS\_E\_WMG\_LICENSE\_TAMPERED = -1072885660**

Windows Media Player cannot play the file because your media usage rights are corrupted. If you previously backed up your media usage rights, try restoring them.

**NS\_E\_WMG\_NOSDKINTERFACE = -1072885674**

The Windows Media SDK interface needed to complete the operation does not exist at this time.

**NS\_E\_WMG\_NOTALLOUTPUTSRENDERED = -1072885673**

Windows Media Player cannot play a portion of the file because it requires a codec that either could not be downloaded or that is not supported by the Player.

**NS\_E\_WMG\_PLUGINUNAVAILABLE = -1072885685**

The rendering or digital signal processing plug-in cannot be instantiated.

**NS\_E\_WMG\_PREROLLLICENSEACQUISITIONNOTALLOWED = -1072885683**

Windows Media Player cannot download media usage rights for a file in the playlist.

**NS\_E\_WMG\_RATEUNAVAILABLE = -1072885686**

Windows Media Player cannot play the file at the requested speed.

**NS\_E\_WMG\_SINKALREADYEXISTS = -1072885675**

A renderer cannot be inserted in a stream while one already exists.

**NS\_E\_WMG\_UNEXPECTEDPREROLLSTATUS = -1072885682**

Windows Media Player encountered an error while trying to queue a file.

**NS\_E\_WMPBR\_BACKUPCANCEL = -1072885455**

Your media usage rights were not backed up because the backup was canceled.

**NS\_E\_WMPBR\_BACKUPRESTOREFAILED = -1072885448**

Windows Media Player cannot backup or restore your media usage rights.

**NS\_E\_WMPBR\_DRIVE\_INVALID = -1072885449**

Windows Media Player cannot restore your media usage rights from the specified location. Choose another location, and then try again.

**NS\_E\_WMPBR\_ERRORWITHURL = -1072885453**

An error occurred while backing up or restoring your media usage rights. A required web page cannot be displayed.

**NS\_E\_WMPBR\_NAMECOLLISION = -1072885452**

Your media usage rights were not backed up because the backup was canceled.

**NS\_E\_WMPBR\_NOLISTENER = -1072885456**

No window is currently listening to Backup and Restore events.

**NS\_E\_WMPBR\_RESTORECANCEL = -1072885454**

Your media usage rights were not restored because the restoration was canceled.

**NS\_E\_WMPCORE\_BUFFERTOOSMALL = -1072885633**

Buffer is too small for copying media type.

**NS\_E\_WMPCORE\_BUSY = -1072885577**

Windows Media Player cannot play the file at this time. Try again later.

**NS\_E\_WMPCORE\_COCREATEFAILEDFORGITOBJECT = -1072885635**

Failed to create the Global Interface Table.

**NS\_E\_WMPCORE\_CODEC\_DOWNLOAD\_NOT\_ALLOWED = -1072885604**

Windows Media Player cannot play the file because a required codec is not installed on your computer. To try downloading the codec, turn on the "Download codecs automatically" option.

**NS\_E\_WMPCORE\_CODEC\_NOT\_FOUND = -1072885605**

Windows Media Player cannot play the file. One or more codecs required to play the file could not be found.

**NS\_E\_WMPCORE\_CODEC\_NOT\_TRUSTED = -1072885606**

The codec downloaded for this file does not appear to be properly signed, so it cannot be installed.

**NS\_E\_WMPCORE\_CURRENT\_MEDIA\_NOT\_ACTIVE = -1072885591**

The media item is not active currently.

**NS\_E\_WMPCORE\_DEVICE\_DRIVERS\_MISSING = -1072885539**

Windows Media Player cannot play the file. Try using Windows Update or Device Manager to update the device drivers for your audio and video cards. For information about using Windows Update or Device Manager, see Windows Help.

**NS\_E\_WMPCORE\_ERRORMANAGERNOTAVAILABLE = -1072885619**

The error manager is not available to respond to errors.

**NS\_E\_WMPCORE\_ERRORSINKNOTREGISTERED = -1072885620**

An error sink was never registered for the calling object.

**NS\_E\_WMPCORE\_ERROR\_DOWNLOADING\_PLAYLIST = -1072885603**

Windows Media Player encountered a problem while downloading the playlist. For additional assistance, click Web Help.

**NS\_E\_WMPCORE\_FAILEDTOGETMARSHALLEVENTHANDLERINTERFACE = -1072885634**

Failed to get the marshaled graph event handler interface.

**NS\_E\_WMPCORE\_FAILED\_TO\_BUILD\_PLAYLIST = -1072885602**

Failed to build the playlist.

**NS\_E\_WMPCORE\_FILE\_NOT\_FOUND = -1072885574**

Windows Media Player cannot find the file. The link from the item in the library to its associated digital media file might be broken. To fix the problem, try repairing the link or removing the item from the library.

**NS\_E\_WMPCORE\_GRAPH\_NOT\_IN\_LIST = -1072885622**

Graph with the specified URL was not found in the prerolled graph list.

**NS\_E\_WMPCORE\_INVALIDPLAYLISTMODE = -1072885631**

The playlist manager does not understand the current play mode (for example, shuffle or normal).

**NS\_E\_WMPCORE\_INVALID\_PLAYLIST\_URL = -1072885585**

The playlist URL supplied to the playlist manager is not valid.

**NS\_E\_WMPCORE\_ITEMNOTINPLAYLIST = -1072885626**

Windows Media Player cannot play the file because it is not in the current playlist.

**NS\_E\_WMPCORE\_LIST\_ENTRY\_NO\_REF = -1072885608**

The playlist does not contain any items.

**NS\_E\_WMPCORE\_MEDIA\_ALTERNATE\_REF\_EMPTY = -1072885596**

No URL specified for the roll over Refs in the playlist file.

**NS\_E\_WMPCORE\_MEDIA\_CHILD\_PLAYLIST\_UNAVAILABLE = -1072885576**

There is no child playlist available for this media item at this time.

**NS\_E\_WMPCORE\_MEDIA\_ERROR\_RESUME\_FAILED = -1072885617**

Could not resume playing next item in playlist.

**NS\_E\_WMPCORE\_MEDIA\_NO\_CHILD\_PLAYLIST = -1072885575**

There is no child playlist for this media item.

**NS\_E\_WMPCORE\_MEDIA\_UNAVAILABLE = -1072885581**

Windows Media Player cannot play the file. If the file is located on the Internet, connect to the Internet. If the file is located on a removable storage card, insert the storage card.

**NS\_E\_WMPCORE\_MEDIA\_URL\_TOO\_LONG = -1072885560**

Windows Media Player cannot play the file because the URL is too long.

**NS\_E\_WMPCORE\_MISMATCHED\_RUNTIME = -1072885584**

Windows Media Player cannot play the file because it is corrupted.

**NS\_E\_WMPCORE\_MISNAMED\_FILE = -1072885607**

Windows Media Player cannot play the file. The file is either corrupted or the Player does not support the format you are trying to play.

**NS\_E\_WMPCORE\_NOBROWSER = -1072885624**

The web page cannot be displayed because no web browser is installed on your computer.

**NS\_E\_WMPCORE\_NOSOURCEURLSTRING = -1072885636**

Windows Media Player cannot find the file. Verify that the path is typed correctly. If it is, the file might not exist in the specified location, or the computer where the file is stored might not be available.

**NS\_E\_WMPCORE\_NO\_PLAYABLE\_MEDIA\_IN\_PLAYLIST = -1072885579**

Windows Media Player cannot play any items in the playlist. To find information about the problem, click the Now Playing tab, and then click the icon next to each file in the List pane.

**NS\_E\_WMPCORE\_NO\_REF\_IN\_ENTRY = -1072885616**

Windows Media Player cannot play the file because the associated playlist does not contain any items or the playlist is not valid.

**NS\_E\_WMPCORE\_PLAYLISTEMPTY = -1072885625**

There are no items in the playlist. Add items to the playlist, and then try again.

**NS\_E\_WMPCORE\_PLAYLIST\_EMPTY\_NESTED\_PLAYLIST\_SKIPPED\_ITEMS = -1072885578**

Windows Media Player cannot play some or all of the items in the playlist because the playlist is nested.

**NS\_E\_WMPCORE\_PLAYLIST\_EMPTY\_OR\_SINGLE\_MEDIA = -1072885621**

Windows Media Player cannot perform the requested operation because there is only one item in the playlist.

**NS\_E\_WMPCORE\_PLAYLIST\_EVENT\_ATTRIBUTE\_ABSENT = -1072885594**

A required attribute in the event block of the playlist was not found.

**NS\_E\_WMPCORE\_PLAYLIST\_EVENT\_EMPTY = -1072885593**

No items were found in the event block of the playlist.

**NS\_E\_WMPCORE\_PLAYLIST\_IMPORT\_FAILED\_NO\_ITEMS = -1072885583**

Windows Media Player cannot add the playlist to the library because the playlist does not contain any items.

**NS\_E\_WMPCORE\_PLAYLIST\_ITEM\_ALTERNATE\_EXHAUSTED = -1072885600**

No more playlist alternates available to switch to.

**NS\_E\_WMPCORE\_PLAYLIST\_ITEM\_ALTERNATE\_INIT\_FAILED = -1072885597**

Failed to initialize an alternate for the media.

**NS\_E\_WMPCORE\_PLAYLIST\_ITEM\_ALTERNATE\_MORPH\_FAILED = -1072885598**

Failed to switch to an alternate for this media.

**NS\_E\_WMPCORE\_PLAYLIST\_ITEM\_ALTERNATE\_NAME\_NOT\_FOUND = -1072885599**

Could not find the name of the alternate playlist to switch into.

**NS\_E\_WMPCORE\_PLAYLIST\_ITEM\_ALTERNATE\_NONE = -1072885601**

Playlist has no alternates to switch into.

**NS\_E\_WMPCORE\_PLAYLIST\_NO\_EVENT\_NAME = -1072885595**

Encountered a playlist with no name.

**NS\_E\_WMPCORE\_PLAYLIST\_REPEAT\_EMPTY = -1072885588**

Windows Media Player encountered a problem with the playlist. The format of the playlist is not valid.

**NS\_E\_WMPCORE\_PLAYLIST\_REPEAT\_END\_MEDIA\_NONE = -1072885586**

Media object corresponding to the end of a playlist repeat block was not found.

**NS\_E\_WMPCORE\_PLAYLIST\_REPEAT\_START\_MEDIA\_NONE = -1072885587**

Media object corresponding to start of a playlist repeat block was not found.

**NS\_E\_WMPCORE\_PLAYLIST\_STACK\_EMPTY = -1072885592**

No playlist was found while returning from a nested playlist.

**NS\_E\_WMPCORE\_SOME\_CODECS\_MISSING = -1072885551**

Windows Media Player cannot play the file because a required codec is not installed on your computer.

**NS\_E\_WMPCORE\_TEMP\_FILE\_NOT\_FOUND = -1072885573**

The temporary file was not found.

**NS\_E\_WMPCORE\_UNAVAILABLE = -1072885632**

The current state of the Player does not allow this operation.

**NS\_E\_WMPCORE\_UNRECOGNIZED\_MEDIA\_URL = -1072885623**

Windows Media Player cannot find the specified file. Verify the path is typed correctly. If it is, the file does not exist in the specified location, or the computer where the file is stored is not available.

**NS\_E\_WMPCORE\_USER\_CANCEL = -1072885589**

Windows Media Player cannot perform the requested action because you chose to cancel it.

**NS\_E\_WMPCORE\_VIDEO\_TRANSFORM\_FILTER\_INSERTION = -1072885582**

An error has occurred that could prevent the changing of the video contrast on this media.

**NS\_E\_WMPCORE\_WEBHELPFAILED = -1072885618**

The Web Help URL cannot be opened.

**NS\_E\_WMPCORE\_WMX\_ENTRYREF\_NO\_REF = -1072885580**

The playlist contains an ENTRYREF for which no href was parsed. Check the syntax of playlist file.

**NS\_E\_WMPCORE\_WMX\_LIST\_ATTRIBUTE\_NAME\_EMPTY = -1072885615**

An empty string for playlist attribute name was found.

**NS\_E\_WMPCORE\_WMX\_LIST\_ATTRIBUTE\_NAME\_ILLEGAL = -1072885614**

A playlist attribute name that is not valid was found.

**NS\_E\_WMPCORE\_WMX\_LIST\_ATTRIBUTE\_VALUE\_EMPTY = -1072885613**

An empty string for a playlist attribute value was found.

**NS\_E\_WMPCORE\_WMX\_LIST\_ATTRIBUTE\_VALUE\_ILLEGAL = -1072885612**

An illegal value for a playlist attribute was found.

**NS\_E\_WMPCORE\_WMX\_LIST\_ITEM\_ATTRIBUTE\_NAME\_EMPTY = -1072885611**

An empty string for a playlist item attribute name was found.

**NS\_E\_WMPCORE\_WMX\_LIST\_ITEM\_ATTRIBUTE\_NAME\_ILLEGAL = -1072885610**

An illegal value for a playlist item attribute name was found.

**NS\_E\_WMPCORE\_WMX\_LIST\_ITEM\_ATTRIBUTE\_VALUE\_EMPTY = -1072885609**

An illegal value for a playlist item attribute was found.

**NS\_E\_WMPFLASH\_CANT\_FIND\_COM\_SERVER = -1072885559**

To play the selected item, you must install the Macromedia Flash Player. To download the Macromedia Flash Player, go to the Adobe website.

**NS\_E\_WMPFLASH\_INCOMPATIBLEVERSION = -1072885558**

To play the selected item, you must install a later version of the Macromedia Flash Player. To download the Macromedia Flash Player, go to the Adobe website.

**NS\_E\_WMPIM\_DIALUPFAILED = -1072885464**

The attempt to connect to the Internet failed.

**NS\_E\_WMPIM\_USERCANCELED = -1072885465**

The attempt to connect to the Internet was canceled.

**NS\_E\_WMPIM\_USEROFFLINE = -1072885466**

Windows Media Player has detected that you are not connected to the Internet. Connect to the Internet, and then try again.

**NS\_E\_WMPOCXGRAPH\_IE\_DISALLOWS\_ACTIVEX\_CONTROLS = -1072885557**

Windows Media Player cannot play the file because your Internet security settings prohibit the use of ActiveX controls.

**NS\_E\_WMPOCX\_ERRORMANAGERNOTAVAILABLE = -1072885803**

Windows Media Player has encountered an unknown error.

**NS\_E\_WMPOCX\_NOT\_RUNNING\_Remotely = -1072885805**

The Windows Media Player ActiveX control is not running in remote mode.

**NS\_E\_WMPOCX\_NO\_ACTIVE\_CORE = -1072885806**

The requested method or property is not available because the Windows Media Player ActiveX control has not been properly activated.

**NS\_E\_WMPOCX\_NO\_REMOTE\_CORE = -1072885807**

The Windows Media Player ActiveX control cannot connect to remote media services, but will continue with local media services.

**NS\_E\_WMPOCX\_NO\_REMOTE\_WINDOW = -1072885804**

An error occurred while trying to get the remote Windows Media Player window.

**NS\_E\_WMPOCX\_PLAYER\_NOT\_DOCKED = -1072885797**

The Windows Media Player ActiveX control must be in a docked state for this action to be performed.

**NS\_E\_WMPOCX\_REMOTE\_PLAYER\_ALREADY\_RUNNING = -1072885766**

Exclusive Services launch failed because the Windows Media Player is already running.

**NS\_E\_WMPOCX\_UNABLE\_TO\_LOAD\_SKIN = -1072885781**

The Windows Media Player ActiveX control cannot load the requested uiMode and cannot roll back to the existing uiMode.

**NS\_E\_WMPXML\_ATTRIBUTENOTFOUND = -1072885833**

A call get GetNamedAttribute or GetNamedAttributeIndex on the XML parser resulted in the index not being found.

**NS\_E\_WMPXML\_EMPTYDOC = -1072885831**

Persist was called on the XML parser, but the parser has no data to persist.

**NS\_E\_WMPXML\_ENDOFDATA = -1072885835**

The XML Parser ran out of data while parsing.

**NS\_E\_WMPXML\_NOERROR = -1072885836**

A call was made to GetParseError on the XML parser but there was no error to retrieve.

**NS\_E\_WMPXML\_PARSEERROR = -1072885834**

A generic parse error occurred in the XML parser but no information is available.

**NS\_E\_WMPXML\_PINOTFOUND = -1072885832**

A call was made go GetNamedPI on the XML parser, but the requested Processing Instruction was not found.

**NS\_E\_WMPZIP\_CORRUPT = -1072885735**

The ZIP reader has detected that the file is corrupted.

**NS\_E\_WMPZIP\_FILENOFOUND = -1072885734**

GetFileStream, SaveToFile, or SaveTemp file was called on the ZIP reader with a file name that was not found in the ZIP file.

**NS\_E\_WMPZIP\_NOTAZIPFILE = -1072885736**

The ZIP reader opened a file and its signature did not match that of the ZIP files.

**NS\_E\_WMP\_ACCESS\_DENIED = -1072885294**

Windows Media Player cannot access the file. The file might be in use, you might not have access to the computer where the file is stored, or your proxy settings might not be correct.

**NS\_E\_WMP\_ADDTOLIBRARY\_FAILED = -1072885817**

Windows Media Player encountered a problem while adding one or more files to the library. For additional assistance, click Web Help.

**NS\_E\_WMP\_ALREADY\_IN\_USE = -1072885346**

Windows Media Player is already in use. Stop playing any items, close all Player dialog boxes, and then try again.

**NS\_E\_WMP\_AUDIO\_CODEC\_NOT\_INSTALLED = -1072885305**

Windows Media Player cannot play, burn, rip, or sync the file because a required audio codec is not installed on your computer.

**NS\_E\_WMP\_AUDIO\_DEVICE\_LOST = -1072885275**

An audio device was disconnected or reconfigured. Verify that the audio device is connected, and then try to play the item again.

**NS\_E\_WMP\_AUDIO\_HW\_PROBLEM = -1072885318**

Windows Media Player cannot play the file because there is a problem with your sound device. There might not be a sound device installed on your computer, it might be in use by another program, or it might not be functioning properly.

**NS\_E\_WMP\_AUTOPLAY\_INVALID\_STATE = -1072884996**

The state is not valid for this request.

**NS\_E\_WMP\_BAD\_DRIVER = -1072885295**

Windows Media Player cannot play the file because there might be a problem with your sound or video device. Try installing an updated device driver.

**NS\_E\_WMP\_BMP\_BITMAP\_NOT\_CREATED = -1072885712**

Bitmap could not be created.

**NS\_E\_WMP\_BMP\_COMPRESSION\_UNSUPPORTED = -1072885711**

Compression format defined in BMP not supported.

**NS\_E\_WMP\_BMP\_INVALID\_BITMASK = -1072885714**

Invalid bitmask in BMP file.

**NS\_E\_WMP\_BMP\_INVALID\_FORMAT = -1072885710**

Invalid Bitmap format.

**NS\_E\_WMP\_BMP\_TOPDOWN\_DIB\_UNSUPPORTED = -1072885713**

Topdown DIB not supported.

**NS\_E\_WMP\_BSTR\_TOO\_LONG = -1072885006**

The parameter is not valid.

**NS\_E\_WMP\_BURN\_DISC\_OVERFLOW = -1072885287**

Some files might not fit on the CD. The required space cannot be calculated accurately because some files might be missing duration information. To ensure the calculation is accurate, play the files that are missing duration information.

**NS\_E\_WMP\_CANNOT\_BURN\_NON\_LOCAL\_FILE = -1072885546**

This file cannot be burned to a CD because it is not located on your computer.

**NS\_E\_WMP\_CANNOT\_FIND\_FILE = -1072885353**

Windows Media Player cannot find the file. If you are trying to play, burn, or sync an item that is in your library, the item might point to a file that has been moved, renamed, or deleted.

**NS\_E\_WMP\_CANNOT\_FIND\_FOLDER = -1072885801**

Windows Media Player cannot find the specified path. Verify that the path is typed correctly. If it is, the path does not exist in the specified location, or the computer where the path is located is not available.

**NS\_E\_WMP\_CANT\_PLAY\_PROTECTED = -1072885773**

The file cannot be added to the library because it is a protected DVR-MS file. This content cannot be played back by Windows Media Player.

**NS\_E\_WMP\_CD\_ANOTHER\_USER = -1072885297**

The CD drive is in use by another user. Wait for the task to complete, and then try again.

**NS\_E\_WMP\_CD\_STASH\_NO\_SPACE = -1072885291**

Windows Media Player cannot burn the files because there is not enough free disk space to store the temporary files. Delete some unneeded files on your hard disk, and then try again.

**NS\_E\_WMP\_CODEC\_NEEDED\_WITH\_4CC = -1072885343**

A codec is required to play this file. To determine if this codec is available to download from the web, click Web Help.

**NS\_E\_WMP\_CODEC\_NEEDED\_WITH\_FORMATTAG = -1072885342**

An audio codec is needed to play this file. To determine if this codec is available to download from the web, click Web Help.

**NS\_E\_WMP\_COMPONENT\_REVOKED = -1072884986**

Windows Media Player cannot play this file until you complete the software component upgrade. After the component has been upgraded, try to play the file again.

**NS\_E\_WMP\_CONNECT\_TIMEOUT = -1072885311**

Windows Media Player cannot play the file because the server is not responding. Verify that you are connected to the network, and then try again later.

**NS\_E\_WMP\_CONVERT\_FILE\_CORRUPT = -1072885413**

Windows Media Player cannot add the file to the library. The file might not be valid.

**NS\_E\_WMP\_CONVERT\_FILE\_FAILED = -1072885416**

Windows Media Player cannot add the file to the library.

**NS\_E\_WMP\_CONVERT\_NO\_RIGHTS\_ERRORURL = -1072885415**

Windows Media Player cannot add the file to the library because the content provider prohibits it. For assistance, contact the company that provided the file.

**NS\_E\_WMP\_CONVERT\_NO\_RIGHTS\_NOERRORURL = -1072885414**

Windows Media Player cannot add the file to the library because the content provider prohibits it. For assistance, contact the company that provided the file.

**NS\_E\_WMP\_CONVERT\_PLUGIN\_UNAVAILABLE\_ERRORURL = -1072885412**

Windows Media Player cannot add the file to the library. The plug-in required to add the file is not installed properly. For assistance, click Web Help to display the website of the company that provided the file.

**NS\_E\_WMP\_CONVERT\_PLUGIN\_UNAVAILABLE\_NOERRORURL = -1072885411**

Windows Media Player cannot add the file to the library. The plug-in required to add the file is not installed properly. For assistance, contact the company that provided the file.

**NS\_E\_WMP\_CONVERT\_PLUGIN\_UNKNOWN\_FILE\_OWNER = -1072885410**

Windows Media Player cannot add the file to the library. The plug-in required to add the file is not installed properly. For assistance, contact the company that provided the file.

**NS\_E\_WMP\_CS\_JPGPOSITIONIMAGE = -1072885746**

JPG Images are not recommended for use as a positionImage.

**NS\_E\_WMP\_CS\_NOTEVENLYDIVISIBLE = -1072885745**

The (%)s image's size is not evenly divisible by the positionImage's size.

**NS\_E\_WMP\_DAI\_SONGTOOSHORT = -1072885687**

Windows Media Player cannot compute a Digital Audio Id for the song. It is too short.

**NS\_E\_WMP\_DRM\_ACQUIRING\_LICENSE = -1072885246**

Windows Media Player cannot download additional media usage rights until the current download is complete.

**NS\_E\_WMP\_DRM\_CANNOT\_RESTORE = -1072885288**

You have exceeded your restore limit for the day. Try restoring your media usage rights tomorrow.

**NS\_E\_WMP\_DRM\_COMPONENT\_FAILURE = -1072885278**

A Windows Media Digital Rights Management (DRM) component encountered a problem. If you are trying to use a file that you obtained from an online store, try going to the online store and getting the appropriate usage rights.

**NS\_E\_WMP\_DRM\_CORRUPT\_BACKUP = -1072885324**

Windows Media Player cannot restore your media usage rights because it could not find any backed up rights on your computer.

**NS\_E\_WMP\_DRM\_DRIVER\_AUTH\_FAILURE = -1072885302**

Windows Media Player cannot play the protected file because there is a problem with your sound device. Try installing a new device driver or use a different sound device.

**NS\_E\_WMP\_DRM\_GENERIC\_LICENSE\_FAILURE = -1072885286**

Windows Media Player cannot verify the file's media usage rights. If you obtained this file from an online store, go to the online store to get the necessary rights.

#### **NS\_E\_WMP\_DRM\_INDIV\_FAILED = -1072885283**

Windows Media Player encountered an error during upgrade.

#### **NS\_E\_WMP\_DRM\_INVALID\_SIG = -1072885289**

The required Windows Media Digital Rights Management (DRM) component cannot be validated. You might be able resolve the problem by reinstalling the Player.

#### **NS\_E\_WMP\_DRM\_LICENSE\_CONTENT\_REVOKED = -1072885241**

The content provider has revoked the media usage rights for this file. If you obtained this file from an online store, ask the store if a new version of the file is available.

#### **NS\_E\_WMP\_DRM\_LICENSE\_EXPIRED = -1072885245**

The media usage rights for this file have expired or are no longer valid. If you obtained the file from an online store, sign in to the store, and then try again.

#### **NS\_E\_WMP\_DRM\_LICENSE\_NOSAP = -1072885240**

The media usage rights for this file require a feature that is not supported in your current version of Windows Media Player or your current version of Windows. Try installing the latest version of the Player. If you obtained this file from an online store, contact the store for further assistance.

#### **NS\_E\_WMP\_DRM\_LICENSE\_NOTACQUIRED = -1072885244**

Windows Media Player cannot download the media usage rights for the file. If you obtained the file from an online store, sign in to the store, and then try again.

#### **NS\_E\_WMP\_DRM\_LICENSE\_NOTENABLED = -1072885243**

The media usage rights for this file are not yet valid. To see when they will become valid, right-click the file in the library, click Properties, and then click the Media Usage Rights tab.

#### **NS\_E\_WMP\_DRM\_LICENSE\_SERVER\_UNAVAILABLE = -1072885323**

Windows Media Player cannot download media usage rights because the server is not available (for example, the server might be busy or not online).

#### **NS\_E\_WMP\_DRM\_LICENSE\_UNUSABLE = -1072885242**

The media usage rights for this file are not valid. If you obtained this file from an online store, contact the store for assistance.

#### **NS\_E\_WMP\_DRM\_NEEDS\_AUTHORIZATION = -1072885296**

Windows Media Player cannot play, sync, or burn the protected file because a problem occurred with the Windows Media Digital Rights Management (DRM) system. You might need to connect to the Internet to update your DRM components. For additional assistance, click Web Help.

#### **NS\_E\_WMP\_DRM\_NEW\_HARDWARE = -1072885290**

Your media usage rights have become corrupted or are no longer valid. This might happen if you have replaced hardware components in your computer.

#### **NS\_E\_WMP\_DRM\_NOT\_ACQUIRING = -1072885055**

Windows Media Player is trying to acquire media usage rights for a file that is no longer being used. Rights acquisition will stop.

#### **NS\_E\_WMP\_DRM\_NO\_DEVICE\_CERT = -1072885277**

It is not possible to obtain device's certificate. Please contact the device manufacturer for a firmware update or for other steps to resolve this problem.

#### **NS\_E\_WMP\_DRM\_NO\_RIGHTS = -1072885284**

Windows Media Player cannot play, burn, rip, or sync the protected file because you do not have the appropriate rights.

#### **NS\_E\_WMP\_DRM\_NO\_SECURE\_CLOCK = -1072885285**

It is not possible to sync because this device's internal clock is not set correctly. To set the clock, select the option to set the device clock on the Privacy tab of the Options dialog box, connect to the Internet, and then sync the device again. For additional assistance, click Web Help.

#### **NS\_E\_WMP\_DRM\_UNABLE\_TO\_ACQUIRE\_LICENSE = -1072885239**

Windows Media Player cannot download media usage rights at this time. Try again later.

#### **NS\_E\_WMP\_DSHOW\_UNSUPPORTED\_FORMAT = -1072885350**

Windows Media Player cannot play the file. The Player might not support the file type or a required codec might not be installed on your computer.

#### **NS\_E\_WMP\_ERASE\_FAILED = -1072885548**

Windows Media Player encountered a problem while erasing the disc. For additional assistance, click Web Help.

**NS\_E\_WMP\_EXTERNAL\_NOTREADY = -1072885796**

The Windows Media Player external object is not ready.

**NS\_E\_WMP\_FAILED\_TO\_OPEN\_IMAGE = -1072885692**

Windows Media Player cannot display the picture file. The player either does not support the picture type or the picture is corrupted.

**NS\_E\_WMP\_FAILED\_TO\_OPEN\_WMD = -1072885774**

Windows Media Player cannot open the Windows Media Download file. The file might be damaged.

**NS\_E\_WMP\_FAILED\_TO\_RIP\_TRACK = -1072885549**

Windows Media Player encountered a problem while ripping the track from the CD. For additional assistance, click Web Help.

**NS\_E\_WMP\_FAILED\_TO\_SAVE\_FILE = -1072885777**

Windows Media Player encountered a problem while saving the file. For additional assistance, click Web Help.

**NS\_E\_WMP\_FAILED\_TO\_SAVE\_PLAYLIST = -1072885775**

Windows Media Player encountered a problem while creating or saving the playlist. For additional assistance, click Web Help.

**NS\_E\_WMP\_FILESCANALREADYSTARTED = -1072885826**

Windows Media Player is already searching for files to add to your library. Wait for the current process to finish before attempting to search again.

**NS\_E\_WMP\_FILE\_DOES\_NOT\_FIT\_ON\_CD = -1072885544**

This file is too large to fit on a disc.

**NS\_E\_WMP\_FILE\_NO\_DURATION = -1072885543**

It is not possible to determine if this file can fit on a disc because Windows Media Player cannot detect the length of the file. Playing the file before burning might enable the Player to detect the file length.

**NS\_E\_WMP\_FILE\_OPEN\_FAILED = -1072885327**

Windows Media Player encountered a problem while playing the file. For additional assistance, click Web Help.

**NS\_E\_WMP\_FILE\_TYPE\_CANNOT\_BURN\_TO\_AUDIO\_CD = -1072885545**

It is not possible to burn this file type to an audio CD. Windows Media Player can burn the following file types to an audio CD: WMA, MP3, or WAV.

**NS\_E\_WMP\_FORMAT\_FAILED = -1072885547**

Windows Media Player encountered a problem while formatting the device. For additional assistance, click Web Help.

**NS\_E\_WMP\_GIF\_BAD\_VERSION\_NUMBER = -1072885722**

Invalid GIF version. Only 87a or 89a supported.

**NS\_E\_WMP\_GIF\_INVALID\_FORMAT = -1072885723**

Invalid GIF file.

**NS\_E\_WMP\_GIF\_NO\_IMAGE\_IN\_FILE = -1072885721**

No images found in GIF file.

**NS\_E\_WMP\_GIF\_UNEXPECTED\_ENDOFFILE = -1072885724**

Unexpected end of file. GIF file might be corrupt.

**NS\_E\_WMP\_GOFULLSCREEN\_FAILED = -1072885313**

Windows Media Player cannot switch to Full Screen. You might need to adjust your Windows display settings. Open display settings in Control Panel, and then try setting Hardware acceleration to Full.

**NS\_E\_WMP\_HME\_INVALIDOBJECTID = -1072885825**

Windows Media Player is unable to find the media you are looking for.

**NS\_E\_WMP\_HME\_NOTSEARCHABLEFORITEMS = -1072885823**

This container does not support search on items.

**NS\_E\_WMP\_HWND\_NOTFOUND = -1072885156**

The Windows Media Player download manager cannot function properly because the Player main window cannot be found. Try restarting the Player.

**NS\_E\_WMP\_IMAGE\_FILETYPE\_UNSUPPORTED = -1072885726**

Image type not supported.

**NS\_E\_WMP\_IMAGE\_INVALID\_FORMAT = -1072885725**

Image file might be corrupt.

**NS\_E\_WMP\_IMAPI2\_ERASE\_DEVICE\_BUSY = -1072885279**

Windows Media Player cannot erase the rewritable CD or DVD. Verify that the CD or DVD burner is connected properly and that the disc is clean and not damaged. If the burner is already in use, wait until the current task finishes or quit other programs that might be using the burner.

**NS\_E\_WMP\_IMAPI2\_ERASE\_FAIL = -1072885280**

Windows Media Player encountered an error while erasing the rewritable CD or DVD. Verify that the CD or DVD burner is connected properly and that the disc is clean and not damaged.

**NS\_E\_WMP\_IMAPI\_DEVICE\_BUSY = -1072885330**

Windows Media Player cannot burn the files. Verify that the burner is connected properly and that the disc is clean and not damaged. If the burner is already in use, wait until the current task finishes or quit other programs that might be using the burner.

**NS\_E\_WMP\_IMAPI\_DEVICE\_INVALIDTYPE = -1072885303**

Windows Media Player cannot burn the files. If the burner is busy, wait for the current task to finish. If necessary, verify that the burner is connected properly and that you have installed the latest device driver.

**NS\_E\_WMP\_IMAPI\_DEVICE\_NOTPRESENT = -1072885331**

Windows Media Player cannot burn the files. Verify that the burner is connected properly, and then try again.

**NS\_E\_WMP\_IMAPI\_FAILURE = -1072885345**

Windows Media Player encountered an error while burning. Verify that the burner is connected properly and that the disc is clean and not damaged.

**NS\_E\_WMP\_IMAPI\_GENERIC = -1072885333**

Windows Media Player cannot burn the files to the CD. Verify that the disc is clean and not damaged. If necessary, select a slower recording speed or try a different brand of blank discs.

**NS\_E\_WMP\_IMAPI\_LOSS\_OF\_STREAMING = -1072885329**

Windows Media Player cannot burn the files to the CD.

**NS\_E\_WMP\_IMAPI\_MEDIA\_INCOMPATIBLE = -1072885274**

Windows Media Player could not complete burning because the disc is not compatible with your drive. Try inserting a different kind of recordable media or use a disc that supports a write speed that is compatible with your drive.

**NS\_E\_WMP\_INVALID\_ASX = -1072885347**

The playlist cannot be opened because it is stored in a shared folder on another computer. If possible, move the playlist to the playlists folder on your computer.

**NS\_E\_WMP\_INVALID\_KEY = -1072885298**

Windows Media Player cannot play the file because the required codec is not valid.

**NS\_E\_WMP\_INVALID\_LIBRARY\_ADD = -1072885316**

Windows Media Player cannot add the file to the library because the file format is not supported.

**NS\_E\_WMP\_INVALID\_MAX\_VAL = -1072885751**

The Max property cannot be less than Min property.

**NS\_E\_WMP\_INVALID\_MIN\_VAL = -1072885750**

The Min property cannot be greater than Max property.

**NS\_E\_WMP\_INVALID\_PROTOCOL = -1072885317**

Windows Media Player cannot play the file because the specified protocol is not supported. If you typed a URL in the Open URL dialog box, try using a different transport protocol (for example, "http:" or "rtsp:").

**NS\_E\_WMP\_INVALID\_REQUEST = -1072885292**

Windows Media Player cannot perform the requested action at this time.

**NS\_E\_WMP\_INVALID\_SKIN = -1072885780**

Windows Media Player encountered a problem with the skin file. The skin file might not be valid.

**NS\_E\_WMP\_JPGTRANSPARENCY = -1072885755**

JPG Images are not recommended when using a transparencyColor.

**NS\_E\_WMP\_JPG\_BAD\_DCTSIZE = -1072885707**

Invalid JPEG format.

**NS\_E\_WMP\_JPG\_BAD\_PRECISION = -1072885705**

Internal JPEG Library error. Unsupported JPEG data precision.

**NS\_E\_WMP\_JPG\_BAD\_VERSION\_NUMBER = -1072885706**

Internal version error. Unexpected JPEG library version.

**NS\_E\_WMP\_JPG\_CCIR601\_NOTIMPL = -1072885704**

JPEG CCIR601 not supported.

**NS\_E\_WMP\_JPG\_FRACT\_SAMPLE\_NOTIMPL = -1072885701**

JPEG Fractional sampling not supported.

**NS\_E\_WMP\_JPG\_IMAGE\_TOO\_BIG = -1072885700**

JPEG image too large. Maximum image size supported is 65500 X 65500.

**NS\_E\_WMP\_JPG\_INVALID\_FORMAT = -1072885708**

Invalid JPEG format.

**NS\_E\_WMP\_JPG\_JERR\_ARITHCODING\_NOTIMPL = -1072885709**

JPEG Arithmetic coding not supported.

**NS\_E\_WMP\_JPG\_NO\_IMAGE\_IN\_FILE = -1072885703**

No image found in JPEG file.

**NS\_E\_WMP\_JPG\_READ\_ERROR = -1072885702**

Could not read JPEG file.

**NS\_E\_WMP\_JPG\_SOF\_UNSUPPORTED = -1072885698**

Unsupported JPEG SOF marker found.

**NS\_E\_WMP\_JPG\_UNEXPECTED\_ENDOFFILE = -1072885699**

Unexpected end of file reached in JPEG file.

**NS\_E\_WMP\_JPG\_UNKNOWN\_MARKER = -1072885697**

Unknown JPEG marker found.

**NS\_E\_WMP\_LICENSE\_REQUIRED = -1072885238**

Windows Media Player cannot play, burn, or sync the file because the media usage rights are missing. If you obtained the file from an online store, sign in to the store, and then try again.

**NS\_E\_WMP\_LICENSE\_RESTRICTS = -1072885293**

The content provider prohibits this action. Go to the content provider's online store to get new media usage rights.

**NS\_E\_WMP\_LOCKEDINSKINMODE = -1072885778**

Windows Media Player cannot switch to full mode because your computer administrator has locked this skin.

**NS\_E\_WMP\_LOGON\_FAILURE = -1072885354**

The server denied access to the file. Verify that you are using the correct user name and password.

**NS\_E\_WMP\_MF\_CODE\_EXPIRED = -1072885824**

A component of Windows Media Player is out-of-date. If you are running a pre-release version of Windows, try upgrading to a more recent version.

**NS\_E\_WMP MLS\_STALE\_DATA = -1072885795**

Windows Media Player cannot perform the requested action. Your computer's time and date might not be set correctly.

**NS\_E\_WMP\_MMS\_NOT\_SUPPORTED = -1072885315**

Windows Media Player cannot play the file because the specified protocol is not supported. If you typed a URL in the Open URL dialog box, try using a different transport protocol (for example, "mms:").

**NS\_E\_WMP\_MSSAP\_NOT\_AVAILABLE = -1072885341**

To play the file, you must install the latest Windows service pack. To install the service pack from the Windows Update website, click Web Help.

**NS\_E\_WMP\_MULTICAST\_DISABLED = -1072885310**

Windows Media Player cannot play the file because the multicast protocol is not enabled. On the Tools menu, click Options, click the Network tab, and then select the Multicast check box. For additional assistance, click Web Help.

**NS\_E\_WMP\_MULTIPLE\_ERROR\_IN\_PLAYLIST = -1072885281**

A number of queued files cannot be played. To find information about the problem, click the Now Playing tab, and then click the icon next to each file in the List pane.

**NS\_E\_WMP\_NEED\_UPGRADE = -1072885319**

To play the file, you might need to install a later version of Windows Media Player. On the Help menu, click Check for Updates, and then follow the instructions. For additional assistance, click Web Help.

**NS\_E\_WMP\_NETWORK\_ERROR = -1072885312**

Windows Media Player cannot play the file because a network error occurred. The server might not be available (for example, the server is busy or not online) or you might not be connected to the network.

**NS\_E\_WMP\_NETWORK\_FIREWALL = -1072885322**

Windows Media Player cannot play the file. A network firewall might be preventing the Player from opening the file by using the UDP transport protocol. If you typed a URL in the Open URL dialog box, try using a different transport protocol (for example, "http:").

**NS\_E\_WMP\_NETWORK\_RESOURCE\_FAILURE = -1072885301**

Windows Media Player encountered a network error. Restart the Player.

**NS\_E\_WMP\_NONMEDIA\_FILES = -1072885348**

Windows Media Player cannot delete the playlist because it contains items that are not digital media files. Any digital media files in the playlist were deleted.

**NS\_E\_WMP\_NO\_DISK\_SPACE = -1072885355**

Windows Media Player cannot perform the requested action because there is not enough storage space on your computer. Delete some unneeded files on your hard disk, and then try again.

**NS\_E\_WMP\_NO\_PROTOCOLS\_SELECTED = -1072885314**

Windows Media Player cannot play the file because there are no streaming protocols selected. Select one or more protocols, and then try again.

**NS\_E\_WMP\_NO\_REMOVABLE\_MEDIA = -1072885321**

Insert the removable media, and then try again.

**NS\_E\_WMP\_OUTOFMEMORY = -1072885306**

Your computer is running low on memory. Quit other programs, and then try again.

**NS\_E\_WMP\_PATH\_ALREADY\_IN\_LIBRARY = -1072885830**

This file path is already in the library.

**NS\_E\_WMP\_PLAYLIST\_EXISTS = -1072885349**

Windows Media Player cannot create the playlist because the name already exists. Type a different playlist name.

**NS\_E\_WMP\_PLUGINDLL\_NOTFOUND = -1072885799**

Windows Media Player cannot find the selected plug-in. The Player will try to remove it from the menu. To use this plug-in, install it again.

**NS\_E\_WMP\_PNG\_INVALIDFORMAT = -1072885720**

Invalid PNG image file format.

**NS\_E\_WMP\_PNG\_UNSUPPORTED\_BAD\_CRC = -1072885715**

Bad CRC in PNG file.

**NS\_E\_WMP\_PNG\_UNSUPPORTED\_BITDEPTH = -1072885719**

PNG bitdepth not supported.

**NS\_E\_WMP\_PNG\_UNSUPPORTED\_COMPRESSION = -1072885718**

Compression format defined in PNG file not supported,

**NS\_E\_WMP\_PNG\_UNSUPPORTED\_FILTER = -1072885717**

Filter method defined in PNG file not supported.

**NS\_E\_WMP\_PNG\_UNSUPPORTED\_INTERLACE = -1072885716**

Interlace method defined in PNG file not supported.

**NS\_E\_WMP\_POLICY\_VALUE\_NOT\_CONFIGURED = -1072885206**

Windows Media Player cannot read a policy. This can occur when the policy does not exist in the registry or when the registry cannot be read.

**NS\_E\_WMP\_PROTECTED\_CONTENT = -1072885237**

Windows Media Player cannot play, burn, or sync the file because the media usage rights are missing. If you obtained the file from an online store, sign in to the store, and then try again.

**NS\_E\_WMP\_PROTOCOL\_PROBLEM = -1072885356**

Windows Media Player cannot open the specified URL. Verify that the Player is configured to use all available protocols, and then try again.

**NS\_E\_WMP\_PROXY\_CONNECT\_TIMEOUT = -1072885320**

Windows Media Player cannot play the file because the proxy server is not responding. The proxy server might be temporarily unavailable or your Player proxy settings might not be valid.

**NS\_E\_WMP\_PROXY\_NOT\_FOUND = -1072885308**

Windows Media Player cannot play the file because the network proxy server cannot be found. Verify that your proxy settings are correct, and then try again.

**NS\_E\_WMP\_RBC\_JPGMAPPINGIMAGE = -1072885756**

JPG Images are not recommended for use as a mappingImage.

**NS\_E\_WMP\_RECORDING\_NOT\_ALLOWED = -1072885815**

This file does not have burn rights. If you obtained this file from an online store, go to the online store to get burn rights.

**NS\_E\_WMP\_RIP\_FAILED = -1072885550**

Windows Media Player cannot rip one or more tracks from the CD.

**NS\_E\_WMP\_SAVEAS\_READONLY = -1072885776**

Windows Media Player cannot overwrite a read-only file. Try using a different file name.

**NS\_E\_WMP\_SENDFAILLED = -1072885779**

Windows Media Player cannot send the link because your email program is not responding. Verify that your email program is configured properly, and then try again. For more information about email, see Windows Help.

**NS\_E\_WMP\_SERVER\_DNS\_TIMEOUT = -1072885309**

Windows Media Player cannot play the file because a network problem occurred. Verify that you are connected to the network, and then try again later.

**NS\_E\_WMP\_SERVER\_INACCESSIBLE = -1072885352**

Windows Media Player cannot connect to the server. The server name might not be correct, the server might not be available, or your proxy settings might not be correct.

**NS\_E\_WMP\_SERVER\_NONEWCONNECTIONS = -1072885282**

Windows Media Player cannot connect to the server because it is not accepting any new connections. This could be because it has reached its maximum connection limit. Please try again later.

**NS\_E\_WMP\_SERVER\_NOT\_RESPONDING = -1072885325**

Windows Media Player cannot play the file because a network error occurred. The server might not be available. Verify that you are connected to the network and that your proxy settings are correct.

**NS\_E\_WMP\_SERVER\_SECURITY\_ERROR = -1072885276**

Windows Media Player encountered an error when connecting to the server. The security information from the server could not be validated.

**NS\_E\_WMP\_SERVER\_UNAVAILABLE = -1072885328**

Windows Media Player cannot play the file. The server might not be available or there might be a problem with your network or firewall settings.

**NS\_E\_WMP\_STREAMING\_RECORDING\_NOT\_ALLOWED = -1072885800**

Windows Media Player cannot save a file that is being streamed.

**NS\_E\_WMP\_TAMPERED\_CONTENT = -1072885307**

Windows Media Player cannot play the file because it is corrupted.

**NS\_E\_WMP\_UDRM\_NOUSERLIST = -1072885056**

Windows Media Player cannot update your media usage rights because the Player cannot verify the list of activated users of this computer.

**NS\_E\_WMP\_UI\_NOSKININZIP = -1072885785**

No .wms file found in skin archive.

**NS\_E\_WMP\_UI\_NOTATHEMEFILE = -1072885792**

The layout manager was given valid XML that wasn't a theme file.

**NS\_E\_WMP\_UI\_OBJECTNOTFOUND = -1072885787**

Attributes were specified for the %s object, but the object was not available to send them to.

**NS\_E\_WMP\_UI\_PASSTHROUGH = -1072885788**

This error used internally for hit testing.

**NS\_E\_WMP\_UI\_SECONDHANDLER = -1072885786**

The %s event already has a handler, the second handler was ignored.

**NS\_E\_WMP\_UI\_SUBCONTROLSNOTSUPPORTED = -1072885794**

The control (%s) does not support creation of sub-controls, yet (%d) sub-controls have been specified.

**NS\_E\_WMP\_UI\_SUBELEMENTNOTFOUND = -1072885791**

The %s subelement could not be found on the %s object.

**NS\_E\_WMP\_UI\_VERSIONMISMATCH = -1072885793**

Version mismatch: (%.1f required, %.1f found).

**NS\_E\_WMP\_UI\_VERSIONPARSE = -1072885790**

An error occurred parsing the version tag. Valid version tags are of the form: .

**NS\_E\_WMP\_UI\_VIEWIDNOTFOUND = -1072885789**

The view specified in for the 'currentViewID' property (%s) was not found in this theme file.

**NS\_E\_WMP\_UNKNOWN\_ERROR = -1072885299**

Windows Media Player encountered an unknown error. For additional assistance, click Web Help.

**NS\_E\_WMP\_UNSUPPORTED\_FORMAT = -1072885351**

Windows Media Player cannot play the file. The Player might not support the file type or might not support the codec that was used to compress the file.

**NS\_E\_WMP\_UPGRADE\_APPLICATION = -1072885300**

Windows Media Player is not installed properly. Reinstall the Player.

**NS\_E\_WMP\_URLDOWNLOADFAILED = -1072885782**

Windows Media Player encountered a problem while downloading the file. For additional assistance, click Web Help.

**NS\_E\_WMP\_VERIFY\_ONLINE = -1072885326**

Windows Media Player must connect to the Internet to verify the file's media usage rights. Connect to the Internet, and then try again.

**NS\_E\_WMP\_VIDEO\_CODEC\_NOT\_INSTALLED = -1072885304**

Windows Media Player cannot play the file because the required video codec is not installed on your computer.

**NS\_E\_WMP\_WINDOWSAPIFAILURE = -1072885816**

A Windows API call failed but no error information was available.

**NS\_E\_WMP\_WMDM\_BUSY = -1072885336**

The portable device is already in use. Wait until the current task finishes or quit other programs that might be using the portable device, and then try again.

**NS\_E\_WMP\_WMDM\_FAILURE = -1072885344**

Windows Media Player has encountered an unknown error with your portable device. Reconnect your portable device, and then try again.

**NS\_E\_WMP\_WMDM\_INCORRECT\_RIGHTS = -1072885334**

The content provider has not granted you the right to sync this file. Go to the content provider's online store to get sync rights.

**NS\_E\_WMP\_WMDM\_INTERFACEDEAD = -1072885340**

Windows Media Player no longer detects a portable device. Reconnect your portable device, and then try again.

**NS\_E\_WMP\_WMDM\_LICENSE\_EXPIRED = -1072885337**

Windows Media Player cannot sync the file because the sync rights have expired. Go to the content provider's online store to get new sync rights.

**NS\_E\_WMP\_WMDM\_LICENSE\_NOTEXIST = -1072885338**

This file does not have sync rights. If you obtained this file from an online store, go to the online store to get sync rights.

**NS\_E\_WMP\_WMDM\_NORIGHTS = -1072885335**

Windows Media Player cannot sync the file because the content provider or device prohibits it. You might be able to resolve this problem by going to the content provider's online store to get sync rights.

**NS\_E\_WMP\_WMDM\_NOTCERTIFIED = -1072885339**

Windows Media Player cannot sync the file because the portable device does not support protected files.

**NS\_E\_WMR\_CANNOT\_RENDER\_BINARY\_STREAM = -1072885661**

A plug-in is required to correctly play the file. To determine if the plug-in is available to download, click Web Help.

**NS\_E\_WMR\_NOCALLBACKAVAILABLE = -1072885666**

The WMR Source Filter does not have a callback available.

**NS\_E\_WMR\_NOSOURCEFILTER = -1072885668**

Specified operation cannot be completed because the source filter does not exist.

**NS\_E\_WMR\_PINNOTFOUND = -1072885670**

An operation was attempted on a pin that does not exist in the DirectShow filter graph.

**NS\_E\_WMR\_PINTYPENOMATCH = -1072885667**

The specified type does not match this pin.

**NS\_E\_WMR\_SAMPLEPROPERTYNOTSET = -1072885662**

The specified property has not been set on this sample.

**NS\_E\_WMR\_UNSUPPORTEDSTREAM = -1072885671**

Windows Media Player cannot play the file. The Player does not support the format you are trying to play.

**NS\_E\_WMR\_WAITINGONFORMATSWITCH = -1072885669**

Specified operation cannot be completed while waiting for a media format change from the SDK.

**NS\_E\_WMR\_WILLNOT\_RENDER\_BINARY\_STREAM = -1072885659**

Windows Media Player cannot play protected files that contain binary streams.

**NS\_E\_WMX\_ATTRIBUTE\_ALREADY\_EXISTS = -1072885649**

The specified attribute already exists.

**NS\_E\_WMX\_ATTRIBUTE\_DOES\_NOT\_EXIST = -1072885650**

The specified attribute does not exist.

**NS\_E\_WMX\_ATTRIBUTE\_UNRETRIEVABLE = -1072885648**

Cannot retrieve the specified attribute.

**NS\_E\_WMX\_INVALID\_FORMAT\_OVER\_NESTING = -1072885642**

Windows Media Player cannot play the file because the associated playlist contains too many nested playlists.

**NS\_E\_WMX\_ITEM\_DOES\_NOT\_EXIST = -1072885647**

The specified item does not exist in the current playlist.

**NS\_E\_WMX\_ITEM\_TYPE\_ILLEGAL = -1072885646**

Items of the specified type cannot be created within the current playlist.

**NS\_E\_WMX\_ITEM\_UNSETTABLE = -1072885645**

The specified item cannot be set in the current playlist.

**NS\_E\_WMX\_PLAYLIST\_EMPTY = -1072885644**

Windows Media Player cannot perform the requested action because the playlist does not contain any items.

**NS\_E\_WMX\_UNRECOGNIZED\_PLAYLIST\_FORMAT = -1072885656**

Windows Media Player cannot play the playlist because it is not valid.

**NS\_E\_WONT\_DO\_DIGITAL = -1072885837**

Windows Media Player could not use digital playback to play the CD. The Player has automatically switched the CD drive to analog playback. To switch back to digital CD playback, use the Devices tab. For additional assistance, click Web Help.

**NS\_E\_WRONG\_OS\_VERSION = -1072884643**

Windows Media Services will only run on Windows Server 2003, Standard Edition and Windows Server 2003, Enterprise Edition.

**NS\_E\_WRONG\_PUBLISHING\_POINT\_TYPE = -1072884654**

Cache and proxy publishing points do not support this property or method.

**NS\_E\_WSX\_INVALID\_VERSION = -1072884450**

The version of this playlist is not supported by the server.

**NS\_I\_CATATONIC\_AUTO\_UNFAIL = -2146631270**

Disk %1 ( %2 ) on Content Server %3, auto online from catatonic state.

**NS\_I\_CATATONIC\_FAILURE = -2146631271**

Disk %1 ( %2 ) on Content Server %3, will be failed because it is catatonic.

**NS\_I\_CUB\_RUNNING = 1074593874**

Content Server %1 ( %2 ) is running.

**NS\_I\_CUB\_START = 1074593873**

Content Server %1 ( %2 ) is starting.

**NS\_I\_CUB\_UNFAIL\_LINK = 1074594193**

Content Server %1 ( %2 ) has established its link to Content Server %3.

**NS\_I\_DISK\_REBUILD\_ABORTED = 1074593880**

Aborted rebuilding disk %1 ( %2 ) on Content Server %3.

**NS\_I\_DISK\_REBUILD\_FINISHED = 1074593879**

Finished rebuilding disk %1 ( %2 ) on Content Server %3.

**NS\_I\_DISK\_REBUILD\_STARTED = 1074593878**

Started rebuilding disk %1 ( %2 ) on Content Server %3.

**NS\_I\_DISK\_START = 1074593876**

Disk %1 ( %2 ) on Content Server %3, is running.

**NS\_I\_DISK\_STOP = 1074594200**

Disk %1 ( %2 ) on Content Server %3, has been offlined.

**NS\_I\_EXISTING\_PACKETIZER = 1074605827**

There is already an existing packetizer plugin for the stream.

**NS\_I\_KILL\_CONNECTION = 1074593886**

A NetShow administrator at network location %1 aborted obsolete connection %2 from the system.

**NS\_I\_KILL\_USERSESSION = 1074593885**

A NetShow administrator at network location %1 aborted user session %2 from the system.

**NS\_I\_LIMIT\_BANDWIDTH = 1074593904**

A NetShow administrator at network location %1 set the maximum bandwidth limit to %2 bps.

**NS\_I\_LIMIT\_FUNNELS = 1074593881**

A NetShow administrator at network location %1 set the data stream limit to %2 streams.

**NS\_I\_LOGGING\_FAILED = 1074593902**

The logging operation failed.

**NS\_I\_MANUAL\_PROXY = 1074605828**

The proxy setting is manual.

**NS\_I\_NOLOG\_STOP = 1074605825**

Forcing a switch to a pending header on start.

**NS\_I\_PLAYLIST\_CHANGE RECEDING = 1074599102**

The playlist change occurred while receding.

**NS\_I\_REBUILD\_DISK = 1074593887**

A NetShow administrator at network location %1 started rebuilding disk %2.

**NS\_I\_RECONNECTED = 1074605823**

The client is reconnected.

**NS\_I\_RESTRIPE\_CUB\_OUT = 1074594199**

Content server %1 (%2) has been restriped out.

**NS\_I\_RESTRIPE\_DISK\_OUT = 1074594198**

Content disk %1 (%2) on Content Server %3 has been restriped out.

**NS\_I\_RESTRIPE\_DONE = 1074594196**

Restripe operation has completed.

**NS\_I\_RESTRIPE\_START = 1074594195**

Restripe operation has started.

**NS\_I\_START\_DISK = 1074593882**

A NetShow administrator at network location %1 started disk %2.

**NS\_I\_STOP\_CUB = 1074593884**

A NetShow administrator at network location %1 stopped Content Server %2.

**NS\_I\_STOP\_DISK = 1074593883**

A NetShow administrator at network location %1 stopped disk %2.

**NS\_I\_TIGER\_START = 1074593871**

The Title Server %1 is running.

**NS\_S\_CALLABORTED = 851969**

The requested operation was aborted by the client.

**NS\_S\_CALLPENDING = 851968**

The requested operation is pending completion.

**NS\_S\_CHANGENOTICE = 864013**

Internal.

**NS\_S\_DEGRADING\_QUALITY = 854985**

The requested operation has caused the source to degrade codec quality.

**NS\_S\_DRM\_ACQUIRE\_CANCELLED = 862023**

Status message: License acquisition has been canceled.

**NS\_S\_DRM\_BURNABLE\_TRACK = 862062**

The track is burnable and had no playlist burn limit.

**NS\_S\_DRM\_BURNABLE\_TRACK\_WITH\_PLAYLIST\_RESTRICTION = 862063**

The track is burnable but has a playlist burn limit.

**NS\_S\_DRM\_INDIVIDUALIZED = 861991**

Status message: The security upgrade has been completed.

**NS\_S\_DRM\_LICENSE\_ACQUIRED = 861990**

Status message: The license was acquired.

**NS\_S\_DRM\_MONITOR\_CANCELLED = 862022**

Status message: License monitoring has been canceled.

**NS\_S\_DRM\_NEEDS\_INDIVIDUALIZATION = 862174**

A security upgrade is required to perform the operation on this media file.

**NS\_S\_EOSRECEDING = 864009**

EOS hit during rewinding.

**NS\_S\_NAVIGATION\_COMPLETE\_WITH\_ERRORS = 856926**

There were problems completing the requested navigation. There are identifiers missing in the catalog.

**NS\_S\_NEED\_TO\_BUY\_BURN\_RIGHTS = 856283**

No burn rights. You will be prompted to buy burn rights when you try to burn this file to an audio CD.

**NS\_S\_OPERATION\_PENDING = 856398**

The requested application pane is performing an operation and will not be released.

**NS\_S\_PUBLISHING\_POINT\_STARTED\_WITH\_FAILED\_SINKS = 857369**

The publishing point successfully started, but one or more of the requested data writer plug-ins failed.

**NS\_S\_REBOOT\_RECOMMENDED = 862968**

Installation was successful; however, some file cleanup is not complete. For best results, restart your computer.

**NS\_S\_REBOOT\_REQUIRED = 862969**

Installation was successful; however, some file cleanup is not complete. To continue, you must restart your computer.

**NS\_S\_REBUFFERING = 854984**

The requested operation has caused the source to rebuffer.

**NS\_S\_STREAM\_TRUNCATED = 851970**

The stream was purposefully stopped before completion.

**NS\_S\_TRACK\_ALREADY\_DOWNLOADED = 856929**

Track already downloaded.

**NS\_S\_TRACK\_BUYQUIRES\_ALBUM\_PURCHASE = 856921**

The file is only available for purchase when you buy the entire album.

**NS\_S\_TRANSCRYPTOR\_EOF = 855003**

The transcriptor object has reached end of file.

**NS\_S\_WMG\_ADVISE\_DROP\_FRAME = 856166**

The timestamp is late compared to the current render position. Advise dropping this frame.

**NS\_S\_WMG\_ADVISE\_DROP\_TO\_KEYFRAME = 856167**

The timestamp is severely late compared to the current render position. Advise dropping everything up to the next key frame.

**NS\_S\_WMG\_FORCE\_DROP\_FRAME = 856143**

Drop this frame.

**NS\_S\_WMPBR\_PARTIALSUCCESS = 856374**

Transfer complete with limitations.

**NS\_S\_WMPBR\_SUCCESS** = 856373

Backup or Restore successful!.

**NS\_S\_WMPCORE\_COMMAND\_NOT\_AVAILABLE** = 856325

Current state of WMP disallows calling this method or property.

**NS\_S\_WMPCORE\_MEDIA\_CHILD\_PLAYLIST\_OPEN\_PENDING** = 856329

The open for the child playlist associated with this media is pending.

**NS\_S\_WMPCORE\_MEDIA\_VALIDATION\_PENDING** = 856323

Validation of the media is pending.

**NS\_S\_WMPCORE\_MORE\_NODES\_AVAIABLE** = 856330

More nodes support the interface requested, but the array for returning them is full.

**NS\_S\_WMPCORE\_PLAYLISTCLEARABORT** = 856318

Failed to clear playlist because it was aborted by user.

**NS\_S\_WMPCORE\_PLAYLISTREMOVEITEMABORT** = 856319

Failed to remove item in the playlist since it was aborted by user.

**NS\_S\_WMPCORE\_PLAYLIST\_COLLAPSED\_TO\_SINGLE\_MEDIA** = 856328

The M3U playlist has been ignored because it only contains one item.

**NS\_S\_WMPCORE\_PLAYLIST\_CREATION\_PENDING** = 856322

Playlist is being generated asynchronously.

**NS\_S\_WMPCORE\_PLAYLIST\_IMPORT\_MISSING\_ITEMS** = 856327

The imported playlist does not contain all items from the original.

**NS\_S\_WMPCORE\_PLAYLIST\_NAME\_AUTO\_GENERATED** = 856326

Name for the playlist has been auto generated.

**NS\_S\_WMPCORE\_PLAYLIST\_REPEAT\_SECONDARY\_SEGMENTS\_IGNORED** = 856324

Encountered more than one Repeat block during ASX processing.

**NS\_S\_WMPEFFECT\_OPAQUE = 856389**

Request to the effects control to change transparency status to opaque.

**NS\_S\_WMPEFFECT\_TRANSPARENT = 856388**

Request to the effects control to change transparency status to transparent.

**NS\_S\_WMP\_EXCEPTION = 856041**

An error occurred in one of the UI components.

**NS\_S\_WMP\_LOADED\_BMP\_IMAGE = 856130**

Successfully loaded a BMP file.

**NS\_S\_WMP\_LOADED\_GIF\_IMAGE = 856128**

Successfully loaded a GIF file.

**NS\_S\_WMP\_LOADED\_JPG\_IMAGE = 856131**

Successfully loaded a JPG file.

**NS\_S\_WMP\_LOADED\_PNG\_IMAGE = 856129**

Successfully loaded a PNG file.

**NS\_S\_WMP\_UI\_VERSIONMISMATCH = 856040**

An upgrade is needed for the theme manager to correctly show this skin. Skin reports version: %.1f.

**NS\_S\_WMR\_ALREADYRENDERED = 856159**

The specified stream has already been rendered.

**NS\_S\_WMR\_PINTYPEFULLMATCH = 856161**

The specified type fully matches this pin type.

**NS\_S\_WMR\_PINTYPEPARTIALMATCH = 856160**

The specified type partially matches this pin type.

**NS\_W\_FILE\_BANDWIDTH\_LIMIT = -2146631676**

The maximum bandwidth value specified is less than the maximum filebitrate.

**NS\_W\_SERVER\_BANDWIDTH\_LIMIT = -2146631677**

The maximum filebitrate value specified is greater than the server's configured maximum bandwidth.

**NS\_W\_UNKNOWN\_EVENT = -2146631584**

Unknown %1 event encountered.

**NTE\_BAD\_ALGID = -2146893816**

Invalid algorithm specified.

**NTE\_BAD\_DATA = -2146893819**

Bad data.

**NTE\_BAD\_FLAGS = -2146893815**

Invalid flags specified.

**NTE\_BAD\_HASH = -2146893822**

Bad hash.

**NTE\_BAD\_HASH\_STATE = -2146893812**

Hash not valid for use in specified state.

**NTE\_BAD\_KEY = -2146893821**

Bad key.

**NTE\_BAD\_KEYSET = -2146893802**

Key set does not exist.

**NTE\_BAD\_KEYSET\_PARAM = -2146893793**

Thekeysetparameter is invalid.

**NTE\_BAD\_KEY\_STATE = -2146893813**

Key not valid for use in specified state.

**NTE\_BAD\_LEN = -2146893820**

Bad length.

**NTE\_BAD\_PROVIDER** = -2146893805

Invalid provider specified.

**NTE\_BAD\_PROV\_TYPE** = -2146893804

Invalid provider type specified.

**NTE\_BAD\_PUBLIC\_KEY** = -2146893803

Provider's public key is invalid.

**NTE\_BAD\_SIGNATURE** = -2146893818

Invalid signature.

**NTE\_BAD\_TYPE** = -2146893814

Invalid type specified.

**NTE\_BAD\_UID** = -2146893823

Bad UID.

**NTE\_BAD\_VER** = -2146893817

Bad version of provider.

**NTE\_BUFFERS\_OVERLAP** = -2146893781

The supplied buffers overlap incorrectly.

**NTE\_BUFFER\_TOO\_SMALL** = -2146893784

The buffer supplied to a function was too small.

**NTE\_DECRYPTION\_FAILURE** = -2146893780

The specified data could not be decrypted.

**NTE\_DOUBLE\_ENCRYPT** = -2146893806

Data already encrypted.

**NTE\_EXISTS** = -2146893809

Object already exists.

**NTE\_FAIL** = -2146893792

An internal error occurred.

**NTE\_FIXEDPARAMETER** = -2146893787

The key parameters could not be set because the configuration service provider (CSP) uses fixed parameters.

**NTE\_HMAC\_NOT\_SUPPORTED** = -2146893777

The cryptographic provider does not support Hash Message Authentication Code (HMAC).

**NTE\_INTERNAL\_ERROR** = -2146893779

An internal consistency check failed.

**NTE\_INVALID\_HANDLE** = -2146893786

The supplied handle is invalid.

**NTE\_INVALID\_PARAMETER** = -2146893785

The parameter is incorrect.

**NTE\_KEYSET\_ENTRY\_BAD** = -2146893798

The key set, as registered, is invalid.

**NTE\_KEYSET\_NOT\_DEF** = -2146893799

The key set is not defined.

**NTE\_NOT\_FOUND** = -2146893807

Object was not found.

**NTE\_NOT\_SUPPORTED** = -2146893783

The requested operation is not supported.

**NTE\_NO\_KEY** = -2146893811

Key does not exist.

**NTE\_NO\_MEMORY** = -2146893810

Insufficient memory available for the operation.

**NTE\_NO\_MORE\_ITEMS** = -2146893782

No more data is available.

**NTE\_PERM** = -2146893808

Access denied.

**NTE\_PROVIDER\_DLL\_FAIL** = -2146893795

Provider DLL failed to initialize correctly.

**NTE\_PROV\_DLL\_NOT\_FOUND** = -2146893794

Provider DLL could not be found.

**NTE\_PROV\_TYPE\_ENTRY\_BAD** = -2146893800

The provider type, as registered, is invalid.

**NTE\_PROV\_TYPE\_NOT\_DEF** = -2146893801

Provider type not defined.

**NTE\_PROV\_TYPE\_NO\_MATCH** = -2146893797

Provider type does not match registered value.

**NTE\_SIGNATURE\_FILE\_BAD** = -2146893796

The digital signature file is corrupt.

**NTE\_SILENT\_CONTEXT** = -2146893790

Provider could not perform the action because the context was acquired as silent.

**NTE\_SYS\_ERR** = -2146893791

A base error occurred.

**NTE\_TEMPORARY\_PROFILE** = -2146893788

The profile for the user is a temporary profile.

**NTE\_TOKEN\_KEYSET\_STORAGE\_FULL** = -2146893789

The security token does not have storage space available for an additional container.

**NTE\_UI\_REQUIRED** = -2146893778

This operation requires input from the user.

**OLEOBJ\_E\_INVALIDVERB** = -2147221119

Invalid verb for OLE object.

**OLEOBJ\_E\_NOVERBS** = -2147221120

No verbs for OLE object.

**OLEOBJ\_S\_CANNOT\_DOVERB\_NOW** = 262529

Verb number is valid but verb cannot be done now.

**OLEOBJ\_S\_INVALIDHWND** = 262530

Invalid window handle passed.

**OLEOBJ\_S\_INVALIDVERB** = 262528

Invalid verb for OLE object.

**OLE\_E\_ADVF** = -2147221503

Invalid advise flags.

**OLE\_E ADVISEDNOTSUPPORTED** = -2147221501

This implementation does not take advises.

**OLE\_E\_BLANK** = -2147221497

Uninitialized object.

**OLE\_E\_CANTCONVERT** = -2147221487

Not able to convert object.

**OLE\_E\_CANT\_BINDTOSOURCE** = -2147221494

Not able to bind to the source.

**OLE\_E\_CANT\_GETMONIKER** = -2147221495

Not able to get the moniker of the object.

**OLE\_E\_CLASSDIFF** = -2147221496

Linked object's source class has changed.

**OLE\_E\_ENUM\_NOMORE** = -2147221502

Cannot enumerate any more because the associated data is missing.

**OLE\_E\_INVALIDHWND** = -2147221489

Invalid window handle.

**OLE\_E\_INVALIDRECT** = -2147221491

Invalid rectangle.

**OLE\_E\_NOCACHE** = -2147221498

There is no cache to operate on.

**OLE\_E\_NOCONNECTION** = -2147221500

There is no connection for this connection ID.

**OLE\_E\_NOSTORAGE** = -2147221486

Not able to perform the operation because object is not given storage yet.

**OLE\_E\_NOTRUNNING** = -2147221499

Need to run the object to perform this operation.

**OLE\_E\_NOT\_INPLACEACTIVE** = -2147221488

Object is not in any of the inplace active states.

**OLE\_E\_OLEVERB** = -2147221504

Invalid OLEVERB structure.

**OLE\_E\_PROMPTSAVECANCELLED** = -2147221492

User canceled out of the Save dialog box.

**OLE\_E\_STATIC** = -2147221493

Object is static; operation not allowed.

**OLE\_E\_WRONGCOMPOBJ** = -2147221490

compobj.dll is too old for the ole2.dll initialized.

**OLE\_S\_MAC\_CLIPFORMAT** = 262146

Macintosh clipboard format.

**OLE\_S\_STATIC** = 262145

Success, but static.

**OLE\_S\_USEREG** = 262144

Use the registry database to provide the requested information.

**OSS\_ACCESS\_SERIALIZATION\_ERROR** = -2146881517

OSS ASN.1 Error: Multithreading conflict.

**OSS\_API\_DLL\_NOT\_LINKED** = -2146881495

OSS ASN.1 Error: Program link error.

**OSS\_BAD\_ARG** = -2146881530

OSS ASN.1 Error: Invalid argument.

**OSS\_BAD\_ENCRULES** = -2146881514

OSS ASN.1 Error: Invalid data.

**OSS\_BAD\_PTR** = -2146881525

OSS ASN.1 Error: Invalid data.

**OSS\_BAD\_TABLE** = -2146881521

OSS ASN.1 Error: Invalid data.

**OSS\_BAD\_TIME** = -2146881524

OSS ASN.1 Error: Invalid data.

**OSS\_BAD\_VERSION** = -2146881529

OSS ASN.1 Error: Encode/Decode version mismatch.

**OSS\_BERDER\_DLL\_NOT\_LINKED = -2146881494**

OSS ASN.1 Error: Program link error.

**OSS\_CANT\_CLOSE\_TRACE\_FILE = -2146881490**

OSS ASN.1 Error: Trace file error.

**OSS\_CANT\_OPEN\_TRACE\_FILE = -2146881509**

OSS ASN.1 Error: Trace file error.

**OSS\_CANT\_OPEN\_TRACE\_WINDOW = -2146881512**

OSS ASN.1 Error: Trace file error.

**OSS\_COMPARATOR\_CODE\_NOT\_LINKED = -2146881499**

OSS ASN.1 Error: Program link error.

**OSS\_COMPARATOR\_DLL\_NOT\_LINKED = -2146881500**

OSS ASN.1 Error: Program link error.

**OSS\_CONSTRAINT\_DLL\_NOT\_LINKED = -2146881501**

OSS ASN.1 Error: Program link error.

**OSS\_CONSTRAINT\_VIOLATED = -2146881519**

OSS ASN.1 Error: Invalid data.

**OSS\_COPIER\_DLL\_NOT\_LINKED = -2146881502**

OSS ASN.1 Error: Program link error.

**OSS\_DATA\_ERROR = -2146881531**

OSS ASN.1 Error: Invalid data.

**OSS\_FATAL\_ERROR = -2146881518**

OSS ASN.1 Error: Internal error.

**OSS\_INDEFINITE\_NOT\_SUPPORTED = -2146881523**

OSS ASN.1 Error: Unsupported BER indefinite-length encoding.

**OSS\_LIMITED = -2146881526**

OSS ASN.1 Error: Internal error.

**OSS\_MEM\_ERROR = -2146881522**

OSS ASN.1 Error: Access violation.

**OSS\_MEM\_MGR\_DLL\_NOT\_LINKED = -2146881498**

OSS ASN.1 Error: Program link error.

**OSS\_MORE\_BUF = -2146881535**

OSS ASN.1 Error: Output Buffer is too small.

**OSS\_MORE\_INPUT = -2146881532**

OSS ASN.1 Error: Output buffer is too small; the decoded data has been truncated.

**OSS\_MUTEX\_NOT\_CREATED = -2146881491**

OSS ASN.1 Error: System resource error.

**OSS\_NEGATIVE\_UINT32 = -2146881534**

OSS ASN.1 Error: Signed integer is encoded as a unsigned integer.

**OSS\_NULL\_FCN = -2146881515**

OSS ASN.1 Error: Invalid data.

**OSS\_NULL\_TBL = -2146881516**

OSS ASN.1 Error: Invalid data.

**OSS\_OID\_DLL\_NOT\_LINKED = -2146881510**

OSS ASN.1 Error: Program link error.

**OSS\_OPEN\_TYPE\_ERROR = -2146881492**

OSS ASN.1 Error: Program link error.

**OSS\_OUT\_MEMORY = -2146881528**

OSS ASN.1 Error: Out of memory.

**OSS\_OUT\_OF\_RANGE = -2146881503**

OSS ASN.1 Error: Program link error.

**OSS\_PDU\_MISMATCH = -2146881527**

OSS ASN.1 Error: Encode/Decode error.

**OSS\_PDU\_RANGE = -2146881533**

OSS ASN.1 Error: Unknown ASN.1 data type.

**OSS\_PDV\_CODE\_NOT\_LINKED = -2146881496**

OSS ASN.1 Error: Program link error.

**OSS\_PDV\_DLL\_NOT\_LINKED = -2146881497**

OSS ASN.1 Error: Program link error.

**OSS\_PER\_DLL\_NOT\_LINKED = -2146881493**

OSS ASN.1 Error: Program link error.

**OSS\_REAL\_CODE\_NOT\_LINKED = -2146881504**

OSS ASN.1 Error: Program link error.

**OSS\_REAL\_DLL\_NOT\_LINKED = -2146881505**

OSS ASN.1 Error: Program link error.

**OSS\_TABLE\_MISMATCH = -2146881507**

OSS ASN.1 Error: Invalid data.

**OSS\_TOO\_LONG = -2146881520**

OSS ASN.1 Error: Invalid data.

**OSS\_TRACE\_FILE\_ALREADY\_OPEN = -2146881508**

OSS ASN.1 Error: Trace file error.

**OSS\_TYPE\_NOT\_SUPPORTED = -2146881506**

OSS ASN.1 Error: Invalid data.

**OSS\_UNAVAIL\_ENCRULES = -2146881513**

OSS ASN.1 Error: Encode/Decode function not implemented.

**OSS\_UNIMPLEMENTED = -2146881511**

OSS ASN.1 Error: Function not implemented.

**PERSIST\_E\_NOTSELSIZING = -2146762741**

This object does not read and write self-sizing data.

**PERSIST\_E\_SIZEDEFINITE = -2146762743**

The size of the data could not be determined.

**PERSIST\_E\_SIZEINDEFINITE = -2146762742**

The size of the indefinite-sized data could not be determined.

**PLA\_E\_CONFLICT\_INCL\_EXCL\_API = -2144337659**

A conflict was detected in the list of include and exclude APIs. Do not specify the same API in both the include list and the exclude list.

**PLA\_E\_CREDENTIALS\_REQUIRED = -2144337661**

A user account is required to commit the current Data Collector Set properties.

**PLA\_E\_DCS\_ALREADY\_EXISTS = -2144337737**

Data Collector Set already exists.

**PLA\_E\_DCS\_IN\_USE = -2144337750**

Data Collector Set is in use.

**PLA\_E\_DCS\_NOT\_FOUND = -2144337918**

A Data Collector Set was not found.

**PLA\_E\_DCS\_NOT\_RUNNING = -2144337660**

Data Collector Set is not running.

**PLA\_E\_DCS\_SINGLETON\_REQUIRED = -2144337662**

The current configuration for this Data Collector Set requires that it contain exactly one Data Collector.

**PLA\_E\_DCS\_START\_WAIT\_TIMEOUT = -2144337654**

The wait for the Data Collector Set start notification has timed out.

**PLA\_E\_DC\_ALREADY\_EXISTS = -2144337655**

Data Collector already exists.

**PLA\_E\_DC\_START\_WAIT\_TIMEOUT = -2144337653**

The wait for the Data Collector to start has timed out.

**PLA\_E\_EXE\_ALREADY\_CONFIGURED = -2144337657**

The executable path specified is already configured for API tracing.

**PLA\_E\_EXE\_FULL\_PATH\_REQUIRED = -2144337650**

When specifying the executable to trace, you must specify a full path to the executable and not just a file name.

**PLA\_E\_EXE\_PATH\_NOT\_VALID = -2144337656**

The executable path specified does not exist. Verify that the specified path is correct.

**PLA\_E\_INVALID\_SESSION\_NAME = -2144337649**

The session name provided is invalid.

**PLA\_E\_NETWORK\_EXE\_NOT\_VALID = -2144337658**

The executable path specified refers to a network share or UNC path.

**PLA\_E\_NO\_DUPLICATES = -2144337651**

Duplicate items are not allowed.

**PLA\_E\_NO\_MIN\_DISK = -2144337808**

Not enough free disk space to start Data Collector Set.

**PLA\_E\_PLA\_CHANNEL\_NOT\_ENABLED = -2144337648**

The Event Log channel Microsoft-Windows-Diagnosis-PLA/Operational must be enabled to perform this operation.

**PLA\_E\_PROPERTY\_CONFLICT = -2144337663**

Property value conflict.

**PLA\_E\_REPORT\_WAIT\_TIMEOUT = -2144337652**

The wait for the report generation tool to finish has timed out.

**PLA\_E\_TASKSCHED\_CHANNEL\_NOT\_ENABLED = -2144337647**

The Event Log channel Microsoft-Windows-TaskScheduler must be enabled to perform this operation.

**PLA\_E\_TOO\_MANY\_FOLDERS = -2144337851**

Unable to start Data Collector Set because there are too many folders.

**PLA\_S\_PROPERTY\_IGNORED = 3145984**

Property value will be ignored.

**REGDB\_E\_BADTHREADINGMODEL = -2147221162**

Threading model entry is not valid.

**REGDB\_E\_CLASSNOTREG = -2147221164**

Class not registered.

**REGDB\_E\_IIDNOTREG = -2147221163**

Interface not registered.

**REGDB\_E\_INVALIDVALUE = -2147221165**

Invalid value for registry.

**REGDB\_E\_KEYMISSING = -2147221166**

Could not find the key in the registry.

**REGDB\_E\_READREGDB = -2147221168**

Could not read key from registry.

**REGDB\_E\_WRITEREGDB = -2147221167**

Could not write key to registry.

**RPC\_E\_ACCESS\_DENIED = -2147417829**

Access is denied.

**RPC\_E\_ATTEMPTED\_MULTITHREAD = -2147417854**

Attempted to make calls on more than one thread in single-threaded mode.

**RPC\_E\_CALL\_CANCELED = -2147418110**

Call was canceled by the message filter.

**RPC\_E\_CALL\_COMPLETE = -2147417833**

Call context cannot be accessed after call completed.

**RPC\_E\_CALL\_REJECTED = -2147418111**

Call was rejected by callee.

**RPC\_E\_CANTCALLOUT AGAIN = -2147418095**

There is no second outgoing call on same channel in DDE conversation.

**RPC\_E\_CANTCALLOUT\_INASYNCCALL = -2147418108**

The caller is dispatching an asynchronous call and cannot make an outgoing call on behalf of this call.

**RPC\_E\_CANTCALLOUT\_INEXTERNALCALL = -2147418107**

It is illegal to call out while inside message filter.

**RPC\_E\_CANTCALLOUT\_ININPUTSYNCCALL = -2147417843**

An outgoing call cannot be made because the application is dispatching an input-synchronous call.

**RPC\_E\_CANTPOST\_INSENDCALL = -2147418109**

The caller is dispatching an intertask SendMessage call and cannot call out via PostMessage.

**RPC\_E\_CANTTRANSMIT\_CALL = -2147418102**

The call was not transmitted properly; the message queue was full and was not emptied after yielding.

**RPC\_E\_CHANGED\_MODE = -2147417850**

Cannot change thread mode after it is set.

**RPC\_E\_CLIENT\_CANTMARSHAL\_DATA = -2147418101**

The client RPC caller cannot marshal the parameter data due to errors (such as low memory).

**RPC\_E\_CLIENT\_CANTUNMARSHAL\_DATA = -2147418100**

The client RPC caller cannot unmarshal the return data due to errors (such as low memory).

**RPC\_E\_CLIENT\_DIED = -2147418104**

The caller (client) disappeared while the callee (server) was processing a call.

**RPC\_E\_CONNECTION\_TERMINATED = -2147418106**

The connection terminated or is in a bogus state and can no longer be used. Other connections are still valid.

**RPC\_E\_DISCONNECTED = -2147417848**

The object invoked has disconnected from its clients.

**RPC\_E\_FAULT = -2147417852**

RPC could not call the server or could not return the results of calling the server.

**RPC\_E\_FULLSIC\_REQUIRED = -2147417823**

Full subject issuer chain Secure Sockets Layer (SSL) principal name expected from the server.

**RPC\_E\_INVALIDMETHOD = -2147417849**

The method called does not exist on the server.

**RPC\_E\_INVALID\_CALldata = -2147417844**

A call control interface was called with invalid data.

**RPC\_E\_INVALID\_DATA = -2147418097**

Received data is invalid. The data might be server or client data.

**RPC\_E\_INVALID\_DATAPACKET = -2147418103**

The data packet with the marshaled parameter data is incorrect.

**RPC\_E\_INVALID\_EXTENSION = -2147417838**

OLE received a packet with an invalid extension.

**RPC\_E\_INVALID\_HEADER = -2147417839**

OLE received a packet with an invalid header.

**RPC\_E\_INVALID\_IPID** = -2147417837

The requested object or interface does not exist.

**RPC\_E\_INVALID\_OBJECT** = -2147417836

The requested object does not exist.

**RPC\_E\_INVALID\_OBJREF** = -2147417827

The marshaled interface data packet (OBJREF) has an invalid or unknown format.

**RPC\_E\_INVALID\_PARAMETER** = -2147418096

A particular parameter is invalid and cannot be (un)marshaled.

**RPC\_E\_INVALID\_STD\_NAME** = -2147417822

Principal name is not a valid Microsoft standard (msstd) name.

**RPC\_E\_NOT\_REGISTERED** = -2147417853

The requested interface is not registered on the server object.

**RPC\_E\_NO\_CONTEXT** = -2147417826

No context is associated with this call. This happens for some custom marshaled calls and on the client side of the call.

**RPC\_E\_NO\_GOOD\_SECURITY\_PACKAGES** = -2147417830

No security packages are installed on this machine, the user is not logged on, or there are no compatible security packages between the client and server.

**RPC\_E\_NO\_SYNC** = -2147417824

There are no synchronize objects to wait on.

**RPC\_E\_OUT\_OF\_RESOURCES** = -2147417855

Could not allocate some required resource (such as memory or events)

**RPC\_E\_REMOTE\_DISABLED** = -2147417828

Remote calls are not allowed for this process.

**RPC\_E\_RETRY** = -2147417847

The object invoked chose not to process the call now. Try again later.

**RPC\_E\_SERVERCALL\_REJECTED** = -2147417845

The message filter rejected the call.

**RPC\_E\_SERVERCALL\_RETRYLATER** = -2147417846

The message filter indicated that the application is busy.

**RPC\_E\_SERVERFAULT** = -2147417851

The server threw an exception.

**RPC\_E\_SERVER\_CANTMARSHAL\_DATA** = -2147418099

The server RPC callee cannot marshal the return data due to errors (such as low memory).

**RPC\_E\_SERVER\_CANTUNMARSHAL\_DATA** = -2147418098

The server RPC callee cannot unmarshal the parameter data due to errors (such as low memory).

**RPC\_E\_SERVER\_DIED** = -2147418105

The callee (the server, not the server application) is not available and disappeared; all connections are invalid. The call might have executed.

**RPC\_E\_SERVER\_DIED\_DNE** = -2147418094

The callee (the server, not the server application) is not available and disappeared; all connections are invalid. The call did not execute.

**RPC\_E\_SYS\_CALL\_FAILED** = -2147417856

System call failed.

**RPC\_E\_THREAD\_NOT\_INIT** = -2147417841

Colnitialize has not been called on the current thread.

**RPC\_E\_TIMEOUT** = -2147417825

This operation returned because the time-out period expired.

**RPC\_E\_TOO\_LATE** = -2147417831

Security must be initialized before any interfaces are marshaled or unmarshaled. It cannot be changed after initialized.

**RPC\_E\_UNEXPECTED = -2147352577**

An internal error occurred.

**RPC\_E\_UNSECURE\_CALL = -2147417832**

Impersonate on unsecure calls is not supported.

**RPC\_E\_VERSION\_MISMATCH = -2147417840**

The version of OLE on the client and server machines does not match.

**RPC\_E\_WRONG\_THREAD = -2147417842**

The application called an interface that was marshaled for a different thread.

**RPC\_S\_CALLPENDING = -2147417835**

OLE has sent a request and is waiting for a reply.

**RPC\_S\_WAITONTIMER = -2147417834**

OLE is waiting before retrying a request.

**SCARD\_E\_BAD\_SEEK = -2146435031**

There was an error trying to set the smart card file object pointer.

**SCARD\_E\_CANCELLED = -2146435070**

The action was canceled by an SCardCancel request.

**SCARD\_E\_CANT\_DISPOSE = -2146435058**

The system could not dispose of the media in the requested manner.

**SCARD\_E\_CARD\_UNSUPPORTED = -2146435044**

The smart card does not meet minimal requirements for support.

**SCARD\_E\_CERTIFICATE\_UNAVAILABLE = -2146435027**

The requested certificate could not be obtained.

**SCARD\_E\_COMM\_DATA\_LOST = -2146435025**

A communications error with the smart card has been detected. Retry the operation.

**SCARD\_E\_DIR\_NOT\_FOUND** = -2146435037

The identified directory does not exist in the smart card.

**SCARD\_E\_DUPLICATE\_READER** = -2146435045

The reader driver did not produce a unique reader name.

**SCARD\_E\_FILE\_NOT\_FOUND** = -2146435036

The identified file does not exist in the smart card.

**SCARD\_E\_ICC\_CREATEORDER** = -2146435039

The requested order of object creation is not supported.

**SCARD\_E\_ICC\_INSTALLATION** = -2146435040

No primary provider can be found for the smart card.

**SCARD\_E\_INSUFFICIENT\_BUFFER** = -2146435064

The data buffer to receive returned data is too small for the returned data.

**SCARD\_E\_INVALID\_ATR** = -2146435051

An automatic terminal recognition (ATR) obtained from the registry is not a valid ATR string.

**SCARD\_E\_INVALID\_CHV** = -2146435030

The supplied PIN is incorrect.

**SCARD\_E\_INVALID\_HANDLE** = -2146435069

The supplied handle was invalid.

**SCARD\_E\_INVALID\_PARAMETER** = -2146435068

One or more of the supplied parameters could not be properly interpreted.

**SCARD\_E\_INVALID\_TARGET** = -2146435067

Registry startup information is missing or invalid.

**SCARD\_E\_INVALID\_VALUE** = -2146435055

One or more of the supplied parameters values could not be properly interpreted.

**SCARD\_E\_NOT\_READY** = -2146435056

The reader or smart card is not ready to accept commands.

**SCARD\_E\_NOT\_TRANSACTED** = -2146435050

An attempt was made to end a nonexistent transaction.

**SCARD\_E\_NO\_ACCESS** = -2146435033

Access is denied to this file.

**SCARD\_E\_NO\_DIR** = -2146435035

The supplied path does not represent a smart card directory.

**SCARD\_E\_NO\_FILE** = -2146435034

The supplied path does not represent a smart card file.

**SCARD\_E\_NO\_KEY\_CONTAINER** = -2146435024

The requested key container does not exist on the smart card.

**SCARD\_E\_NO\_MEMORY** = -2146435066

Not enough memory available to complete this command.

**SCARD\_E\_NO\_READERS\_AVAILABLE** = -2146435026

Cannot find a smart card reader.

**SCARD\_E\_NO\_SERVICE** = -2146435043

The smart card resource manager is not running.

**SCARD\_E\_NO\_SMARTCARD** = -2146435060

The operation requires a smart card, but no smart card is currently in the device.

**SCARD\_E\_NO\_SUCH\_CERTIFICATE** = -2146435028

The requested certificate does not exist.

**SCARD\_E\_PCI\_TOO\_SMALL** = -2146435047

The peripheral component interconnect (PCI) Receive buffer was too small.

**SCARD\_E\_PROTO\_MISMATCH = -2146435057**

The requested protocols are incompatible with the protocol currently in use with the smart card.

**SCARD\_E\_READER\_UNAVAILABLE = -2146435049**

The specified reader is not currently available for use.

**SCARD\_E\_READER\_UNSUPPORTED = -2146435046**

The reader driver does not meet minimal requirements for support.

**SCARD\_E\_SERVER\_TOO\_BUSY = -2146435023**

The smart card resource manager is too busy to complete this operation.

**SCARD\_E\_SERVICE\_STOPPED = -2146435042**

The smart card resource manager has shut down.

**SCARD\_E\_SHARING\_VIOLATION = -2146435061**

The smart card cannot be accessed because of other connections outstanding.

**SCARD\_E\_SYSTEM\_CANCELLED = -2146435054**

The action was canceled by the system, presumably to log off or shut down.

**SCARD\_E\_TIMEOUT = -2146435062**

The user-specified time-out value has expired.

**SCARD\_E\_UNEXPECTED = -2146435041**

An unexpected card error has occurred.

**SCARD\_E\_UNKNOWN\_CARD = -2146435059**

The specified smart card name is not recognized.

**SCARD\_E\_UNKNOWN\_READER = -2146435063**

The specified reader name is not recognized.

**SCARD\_E\_UNKNOWN\_RES\_MNG = -2146435029**

An unrecognized error code was returned from a layered component.

**SCARD\_E\_UNSUPPORTED\_FEATURE** = -2146435038

This smart card does not support the requested feature.

**SCARD\_E\_WRITE\_TOO\_MANY** = -2146435032

The smart card does not have enough memory to store the information.

**SCARD\_F\_COMM\_ERROR** = -2146435053

An internal communications error has been detected.

**SCARD\_F\_INTERNAL\_ERROR** = -2146435071

An internal consistency check failed.

**SCARD\_F\_UNKNOWN\_ERROR** = -2146435052

An internal error has been detected, but the source is unknown.

**SCARD\_F\_WAITED\_TOO\_LONG** = -2146435065

An internal consistency timer has expired.

**SCARD\_P\_SHUTDOWN** = -2146435048

The operation has been aborted to allow the server application to exit.

**SCARD\_W\_CANCELLED\_BY\_USER** = -2146434962

The action was canceled by the user.

**SCARD\_W\_CARD\_NOT\_AUTHENTICATED** = -2146434961

No PIN was presented to the smart card.

**SCARD\_W\_CHV\_BLOCKED** = -2146434964

The card cannot be accessed because the maximum number of PIN entry attempts has been reached.

**SCARD\_W\_EOF** = -2146434963

The end of the smart card file has been reached.

**SCARD\_W\_REMOVED\_CARD** = -2146434967

The smart card has been removed, so that further communication is not possible.

**SCARD\_W\_RESET\_CARD = -2146434968**

The smart card has been reset, so any shared state information is invalid.

**SCARD\_W\_SECURITY\_VIOLATION = -2146434966**

Access was denied because of a security violation.

**SCARD\_W\_UNPOWERED\_CARD = -2146434969**

Power has been removed from the smart card, so that further communication is not possible.

**SCARD\_W\_UNRESPONSIVE\_CARD = -2146434970**

The smart card is not responding to a reset.

**SCARD\_W\_UNSUPPORTED\_CARD = -2146434971**

The reader cannot communicate with the smart card, due to ATR configuration conflicts.

**SCARD\_W\_WRONG\_CHV = -2146434965**

The card cannot be accessed because the wrong PIN was presented.

**SCHED\_E\_ACCOUNT\_DBASE\_CORRUPT = -2147216623**

Corruption was detected in the Task Scheduler security database; the database has been reset.

**SCHED\_E\_ACCOUNT\_INFORMATION\_NOT\_SET = -2147216625**

No account information could be found in the Task Scheduler security database for the task indicated.

**SCHED\_E\_ACCOUNT\_NAME\_NOT\_FOUND = -2147216624**

Unable to establish existence of the account specified.

**SCHED\_E\_ALREADY\_RUNNING = -2147216609**

An instance of this task is already running.

**SCHED\_E\_CANNOT\_OPEN\_TASK = -2147216627**

The task object could not be opened.

**SCHED\_E\_INVALIDVALUE = -2147216616**

The task XML contains a value that is incorrectly formatted or out of range.

**SCHED\_E\_INVALID\_TASK** = -2147216626

The object is either an invalid task object or is not a task object.

**SCHED\_E\_INVALID\_TASK\_HASH** = -2147216607

The task image is corrupt or has been tampered with.

**SCHED\_E\_MALFORMEDXML** = -2147216614

The task XML is malformed.

**SCHED\_E\_MISSINGNODE** = -2147216615

The task XML is missing a required element or attribute.

**SCHED\_E\_NAMESPACE** = -2147216617

The task XML contains an element or attribute from an unexpected namespace.

**SCHED\_E\_NO\_SECURITY\_SERVICES** = -2147216622

Task Scheduler security services are available only on Windows NT operating system.

**SCHED\_E\_PAST\_END\_BOUNDARY** = -2147216610

The task cannot be started after the trigger's end boundary.

**SCHED\_E\_SERVICE\_NOT\_AVAILABLE** = -2147216606

The Task Scheduler service is not available.

**SCHED\_E\_SERVICE\_NOT\_INSTALLED** = -2147216628

The Task Scheduler service is not installed on this computer.

**SCHED\_E\_SERVICE\_NOT\_RUNNING** = -2147216619

The Task Scheduler service is not running.

**SCHED\_E\_SERVICE\_TOO\_BUSY** = -2147216605

The Task Scheduler service is too busy to handle your request. Try again later.

**SCHED\_E\_TASK\_ATTEMPTED** = -2147216604

The Task Scheduler service attempted to run the task, but the task did not run due to one of the constraints in the task definition.

**SCHED\_E\_TASK\_NOT\_READY = -2147216630**

One or more of the properties that are needed to run this task have not been set.

**SCHED\_E\_TASK\_NOT\_RUNNING = -2147216629**

There is no running instance of the task.

**SCHED\_E\_TOO\_MANY\_NODES = -2147216611**

The task XML contains too many nodes of the same type.

**SCHED\_E\_TRIGGER\_NOT\_FOUND = -2147216631**

Trigger not found.

**SCHED\_E\_UNEXPECTEDNODE = -2147216618**

The task XML contains an unexpected node.

**SCHED\_E\_UNKNOWN\_OBJECT\_VERSION = -2147216621**

The task object version is either unsupported or invalid.

**SCHED\_E\_UNSUPPORTED\_ACCOUNT\_OPTION = -2147216620**

The task has been configured with an unsupported combination of account settings and run-time options.

**SCHED\_E\_USER\_NOT\_LOGGED\_ON = -2147216608**

The task will not run because the user is not logged on.

**SCHED\_S\_BATCH\_LOGON\_PROBLEM = 267036**

The task is registered, but it might fail to start. Batch logon privilege needs to be enabled for the task principal.

**SCHED\_S\_EVENT\_TRIGGER = 267016**

Event triggers do not have set run times.

**SCHED\_S\_SOME\_TRIGGERS\_FAILED = 267035**

The task is registered, but not all specified triggers will start the task.

**SCHED\_S\_TASK\_DISABLED** = 267010

The task will not run at the scheduled times because it has been disabled.

**SCHED\_S\_TASK\_HAS\_NOT\_RUN** = 267011

The task has not yet run.

**SCHED\_S\_TASK\_NOT\_SCHEDULED** = 267013

One or more of the properties that are needed to run this task on a schedule have not been set.

**SCHED\_S\_TASK\_NO\_MORE\_RUNS** = 267012

There are no more runs scheduled for this task.

**SCHED\_S\_TASK\_NO\_VALID\_TRIGGERS** = 267015

Either the task has no triggers, or the existing triggers are disabled or not set.

**SCHED\_S\_TASK\_READY** = 267008

The task is ready to run at its next scheduled time.

**SCHED\_S\_TASK\_RUNNING** = 267009

The task is currently running.

**SCHED\_S\_TASK\_TERMINATED** = 267014

The last run of the task was terminated by the user.

**SEC\_E\_ALGORITHM\_MISMATCH** = -2146893007

The client and server cannot communicate because they do not possess a common algorithm.

**SEC\_E\_BAD\_BINDINGS** = -2146892986

Client's supplied Security Support Provider Interface (SSPI) channel bindings were incorrect.

**SEC\_E\_BAD\_PKGID** = -2146893034

The requested security package does not exist.

**SEC\_E\_BUFFER\_TOO\_SMALL** = -2146893023

The buffers supplied to a function was too small.

**SEC\_E\_CANNOT\_INSTALL** = -2146893049

The security package failed to initialize and cannot be installed.

**SEC\_E\_CANNOT\_PACK** = -2146893047

The security package is not able to marshal the logon buffer, so the logon attempt has failed.

**SEC\_E\_CERT\_EXPIRED** = -2146893016

The received certificate has expired.

**SEC\_E\_CERT\_UNKNOWN** = -2146893017

An unknown error occurred while processing the certificate.

**SEC\_E\_CERT\_WRONG\_USAGE** = -2146892983

The certificate is not valid for the requested usage.

**SEC\_E\_CONTEXT\_EXPIRED** = -2146893033

The context has expired and can no longer be used.

**SEC\_E\_CROSSREALM\_DELEGATION\_FAILURE** = -2146892969

An attempt was made by this server to make a Kerberos-constrained delegation request for a target outside the server's realm. This is not supported and indicates a misconfiguration on this server's allowed-to-delegate-to list. Contact your administrator.

**SEC\_E\_CRYPTO\_SYSTEM\_INVALID** = -2146893001

The cryptographic system or checksum function is invalid because a required function is unavailable.

**SEC\_E\_DECRYPT\_FAILURE** = -2146893008

The specified data could not be decrypted.

**SEC\_E\_DELEGATION\_POLICY** = -2146892962

The client policy does not allow credential delegation to the target server.

**SEC\_E\_DELEGATION\_REQUIRED** = -2146892987

The requested operation cannot be completed. The computer must be trusted for delegation, and the current user account must be configured to allow delegation.

**SEC\_E\_DOWNGRADE\_DETECTED = -2146892976**

The system detected a possible attempt to compromise security. Ensure that you can contact the server that authenticated you.

**SEC\_E\_ENCRYPT\_FAILURE = -2146893015**

The specified data could not be encrypted.

**SEC\_E\_ILLEGAL\_MESSAGE = -2146893018**

The message received was unexpected or badly formatted.

**SEC\_E\_INCOMPLETE\_CREDENTIALS = -2146893024**

The credentials supplied were not complete and could not be verified. The context could not be initialized.

**SEC\_E\_INCOMPLETE\_MESSAGE = -2146893032**

The supplied message is incomplete. The signature was not verified.

**SEC\_E\_INSUFFICIENT\_MEMORY = -2146893056**

Not enough memory is available to complete this request.

**SEC\_E\_INTERNAL\_ERROR = -2146893052**

The Local Security Authority (LSA) cannot be contacted.

**SEC\_E\_INVALID\_HANDLE = -2146893055**

The handle specified is invalid.

**SEC\_E\_INVALID\_PARAMETER = -2146892963**

One or more of the parameters passed to the function were invalid.

**SEC\_E\_INVALID\_TOKEN = -2146893048**

The token supplied to the function is invalid.

**SEC\_E\_ISSUING\_CA\_UNTRUSTED = -2146892974**

An untrusted certification authority (CA) was detected while processing the smart card certificate used for authentication. Contact your system administrator.

#### **SEC\_E\_ISSUING\_CA\_UNTRUSTED\_KDC = -2146892967**

An untrusted CA was detected while processing the domain controller certificate used for authentication. The system event log contains additional information. Contact your system administrator.

#### **SEC\_E\_KDC\_CERT\_EXPIRED = -2146892966**

The domain controller certificate used for smart card logon has expired. Contact your system administrator with the contents of your system event log.

#### **SEC\_E\_KDC\_CERT\_REVOKED = -2146892965**

The domain controller certificate used for smart card logon has been revoked. Contact your system administrator with the contents of your system event log.

#### **SEC\_E\_KDC\_INVALID\_REQUEST = -2146892992**

An invalid request was sent to the KDC.

#### **SEC\_E\_KDC\_UNABLE\_TO\_REFER = -2146892991**

The KDC was unable to generate a referral for the service requested.

#### **SEC\_E\_KDC\_UNKNOWN\_ETYPE = -2146892990**

The encryption type requested is not supported by the KDC.

#### **SEC\_E\_LOGON\_DENIED = -2146893044**

The logon attempt failed.

#### **SEC\_E\_MAX\_REFERRALS\_EXCEEDED = -2146893000**

The number of maximum ticket referrals has been exceeded.

#### **SEC\_E\_MESSAGE ALTERED = -2146893041**

The message or signature supplied for verification has been altered.

#### **SEC\_E\_MULTIPLE\_ACCOUNTS = -2146892985**

The received certificate was mapped to multiple accounts.

**SEC\_E\_MUST\_BE\_KDC = -2146892999**

The local machine must be a Kerberos domain controller (KDC), and it is not.

**SEC\_E\_NOT\_OWNER = -2146893050**

The caller is not the owner of the desired credentials.

**SEC\_E\_NO\_AUTHENTICATING\_AUTHORITY = -2146893039**

No authority could be contacted for authentication.

**SEC\_E\_NO\_CREDENTIALS = -2146893042**

No credentials are available in the security package.

**SEC\_E\_NO\_IMPERSONATION = -2146893045**

The security context does not allow impersonation of the client.

**SEC\_E\_NO\_IP\_ADDRESSES = -2146893003**

Unable to accomplish the requested task because the local machine does not have an IP addresses.

**SEC\_E\_NO\_KERB\_KEY = -2146892984**

No Kerberos key was found.

**SEC\_E\_NO\_PA\_DATA = -2146892996**

Expected to find PA data for a hint of what etype to use, but it was not found.

**SEC\_E\_NO\_S4U\_PROT\_SUPPORT = -2146892970**

The Kerberos subsystem encountered an error. A service for user protocol requests was made against a domain controller that does not support services for users.

**SEC\_E\_NO\_TGT\_REPLY = -2146893004**

The client is trying to negotiate a context and the server requires user-to-user but did not send a ticket granting ticket (TGT) reply.

**SEC\_E\_OUT\_OF\_SEQUENCE = -2146893040**

The message supplied for verification is out of sequence.

**SEC\_E\_PKINIT\_CLIENT\_FAILURE = -2146892972**

The smart card certificate used for authentication was not trusted. Contact your system administrator.

**SEC\_E\_PKINIT\_NAME\_MISMATCH = -2146892995**

The client certificate does not contain a valid user principal name (UPN), or does not match the client name in the logon request. Contact your administrator.

**SEC\_E\_POLICY\_NLTM\_ONLY = -2146892961**

The client policy does not allow credential delegation to the target server with NLTM only authentication.

**SEC\_E\_QOP\_NOT\_SUPPORTED = -2146893046**

The per-message quality of protection is not supported by the security package.

**SEC\_E\_REVOCATION\_OFFLINE\_C = -2146892973**

The revocation status of the smart card certificate used for authentication could not be determined. Contact your system administrator.

**SEC\_E\_REVOCATION\_OFFLINE\_KDC = -2146892968**

The revocation status of the domain controller certificate used for smart card authentication could not be determined. The system event log contains additional information. Contact your system administrator.

**SEC\_E\_SECPKG\_NOT\_FOUND = -2146893051**

The requested security package does not exist.

**SEC\_E\_SECURITY\_QOS\_FAILED = -2146893006**

The security context could not be established due to a failure in the requested quality of service (for example, mutual authentication or delegation).

**SEC\_E\_SHUTDOWN\_IN\_PROGRESS = -2146892993**

A system shutdown is in progress.

**SEC\_E\_SMARTCARD\_CERT\_EXPIRED = -2146892971**

The smart card certificate used for authentication has expired. Contact your system administrator.

**SEC\_E\_SMARTCARD\_CERT\_REVOKED = -2146892975**

The smart card certificate used for authentication has been revoked. Contact your system administrator. The event log might contain additional information.

**SEC\_E\_SMARTCARD\_LOGON\_REQUIRED = -2146892994**

Smart card logon is required and was not used.

**SEC\_E\_STRONG\_CRYPTO\_NOT\_SUPPORTED = -2146892998**

The other end of the security negotiation requires strong cryptographics, but it is not supported on the local machine.

**SEC\_E\_TARGET\_UNKNOWN = -2146893053**

The specified target is unknown or unreachable.

**SEC\_E\_TIME\_SKEW = -2146893020**

The clocks on the client and server machines are skewed.

**SEC\_E\_TOO\_MANY\_PRINCIPALS = -2146892997**

The KDC reply contained more than one principal name.

**SEC\_E\_UNFINISHED\_CONTEXT\_DELETED = -2146893005**

A security context was deleted before the context was completed. This is considered a logon failure.

**SEC\_E\_UNKNOWN\_CREDENTIALS = -2146893043**

The credentials supplied to the package were not recognized.

**SEC\_E\_UNSUPPORTED\_FUNCTION = -2146893054**

The function requested is not supported.

**SEC\_E\_UNSUPPORTED\_PREAMUTH = -2146892989**

An unsupported pre-authentication mechanism was presented to the Kerberos package.

**SEC\_E\_UNTRUSTED\_ROOT = -2146893019**

The certificate chain was issued by an authority that is not trusted.

**SEC\_E\_WRONG\_CREDENTIAL\_HANDLE = -2146893002**

The supplied credential handle does not match the credential associated with the security context.

**SEC\_E\_WRONG\_PRINCIPAL = -2146893022**

The target principal name is incorrect.

**SEC\_I\_COMPLETE\_AND\_CONTINUE = 590612**

The function completed successfully, but both CompleteToken and this function must be called to complete the context.

**SEC\_I\_COMPLETE\_NEEDED = 590611**

The function completed successfully, but CompleteToken must be called.

**SEC\_I\_CONTEXT\_EXPIRED = 590615**

The context has expired and can no longer be used.

**SEC\_I\_CONTINUE\_NEEDED = 590610**

The function completed successfully, but it must be called again to complete the context.

**SEC\_I\_INCOMPLETE\_CREDENTIALS = 590624**

The credentials supplied were not complete and could not be verified. Additional information can be returned from the context.

**SEC\_I\_LOCAL\_LOGON = 590613**

The logon was completed, but no network authority was available. The logon was made using locally known information.

**SEC\_I\_NO\_LSA\_CONTEXT = 590627**

There is no LSA mode context associated with this context.

**SEC\_I\_RENEGOTIATE = 590625**

The context data must be renegotiated with the peer.

**SEC\_I\_SIGNATURE\_NEEDED = 590684**

A signature operation must be performed before the user can authenticate.

**SPAPI\_E\_AUTHENTICODE\_DISALLOWED = -2146500032**

Authenticode signature verification is not supported for the specified INF.

**SPAPI\_E\_AUTHENTICODE\_PUBLISHER\_NOT\_TRUSTED = -2146500029**

The publisher of an Authenticode-signed catalog was not established as trusted.

**SPAPI\_E\_AUTHENTICODE\_TRUSTED\_PUBLISHER = -2146500031**

The INF was signed with an Authenticode catalog from a trusted publisher.

**SPAPI\_E\_AUTHENTICODE\_TRUST\_NOT\_ESTABLISHED = -2146500030**

The publisher of an Authenticode-signed catalog has not yet been established as trusted.

**SPAPI\_E\_BAD\_INTERFACE\_INSTALLSECT = -2146500067**

An interface installation section in this INF is invalid.

**SPAPI\_E\_BAD\_SECTION\_NAME\_LINE = -2146500607**

A section name marker in the information file (INF) is not complete or does not exist on a line by itself.

**SPAPI\_E\_BAD\_SERVICE\_INSTALLSECT = -2146500073**

A service installation section in this INF is invalid.

**SPAPI\_E\_CANT\_LOAD\_CLASS\_ICON = -2146500084**

The icon representing this install class cannot be loaded.

**SPAPI\_E\_CANT\_REMOVE\_DEVINST = -2146500046**

The device could not be dynamically removed.

**SPAPI\_E\_CLASS\_MISMATCH = -2146500095**

The INF or the device information set or element does not match the specified install class.

**SPAPI\_E\_DEVICE\_INSTALLER\_NOT\_READY = -2146500026**

One of the installers for this device cannot perform the installation at this time.

**SPAPI\_E\_DEVICE\_INSTALL\_BLOCKED = -2146500024**

The installation of this device is forbidden by system policy. Contact your system administrator.

**SPAPI\_E\_DEVICE\_INTERFACE\_ACTIVE = -2146500069**

The operation cannot be performed because the device interface is currently active.

**SPAPI\_E\_DEVICE\_INTERFACE\_REMOVED = -2146500068**

The operation cannot be performed because the device interface has been removed from the system.

**SPAPI\_E\_DEVINFO\_DATA\_LOCKED = -2146500077**

The operation cannot be performed because the device information element is locked.

**SPAPI\_E\_DEVINFO\_LIST\_LOCKED = -2146500078**

The operation cannot be performed because the device information set is locked.

**SPAPI\_E\_DEVINFO\_NOT\_REGISTERED = -2146500088**

The operation cannot be performed on a device information element that has not been registered.

**SPAPI\_E\_DEVINSTALL\_QUEUE\_NONNATIVE = -2146500048**

An invalid attempt was made to use a device installation file queue for verification of digital signatures relative to other platforms.

**SPAPI\_E\_DEVINST\_ALREADY\_EXISTS = -2146500089**

The device instance cannot be created because it already exists.

**SPAPI\_E\_DI\_BAD\_PATH = -2146500076**

The specified path does not contain any applicable device INFs.

**SPAPI\_E\_DI\_DONT\_INSTALL = -2146500053**

The class installer has denied the request to install or upgrade this device.

**SPAPI\_E\_DI\_DO\_DEFAULT = -2146500082**

The class installer has indicated that the default action should be performed for this installation request.

**SPAPI\_E\_DI\_FUNCTION\_OBSOLETE = -2146500034**

The requested device install operation is obsolete.

**SPAPI\_E\_DI\_NOFILECOPY = -2146500081**

The operation does not require any files to be copied.

**SPAPI\_E\_DI\_POSTPROCESSING\_REQUIRED = -2146500058**

The device's co-installer has additional work to perform after installation is complete.

**SPAPI\_E\_DRIVER\_INSTALL\_BLOCKED = -2146500023**

The installation of this driver is forbidden by system policy. Contact your system administrator.

**SPAPI\_E\_DRIVER\_NONNATIVE = -2146500044**

Driver is not intended for this platform.

**SPAPI\_E\_DRIVER\_STORE\_ADD\_FAILED = -2146500025**

A problem was encountered while attempting to add the driver to the store.

**SPAPI\_E\_DRIVER\_STORE\_DELETE\_FAILED = -2146500020**

A problem was encountered while attempting to delete the driver from the store.

**SPAPI\_E\_DUPLICATE\_FOUND = -2146500094**

An existing device was found that is a duplicate of the device being manually installed.

**SPAPI\_E\_ERROR\_NOT\_INSTALLED = -2146496512**

No installed components were detected.

**SPAPI\_E\_EXPECTED\_SECTION\_NAME = -2146500608**

A non-empty line was encountered in the INF before the start of a section.

**SPAPI\_E\_FILEQUEUE\_LOCKED = -2146500074**

The operation cannot be performed because the file queue is locked.

**SPAPI\_E\_FILE\_HASH\_NOT\_IN\_CATALOG = -2146500021**

The hash for the file is not present in the specified catalog file. The file is likely corrupt or the victim of tampering.

**SPAPI\_E\_GENERAL\_SYNTAX = -2146500605**

The syntax of the INF is invalid.

**SPAPI\_E\_INCORRECTLY\_COPIED\_INF = -2146500041**

An INF was copied into the Windows INF directory in an improper manner.

**SPAPI\_E\_INF\_IN\_USE\_BY\_DEVICES = -2146500035**

One or more devices are presently installed using the specified INF.

**SPAPI\_E\_INVALID\_CLASS = -2146500090**

The install class is not present or is invalid.

**SPAPI\_E\_INVALID\_CLASS\_INSTALLER = -2146500083**

The class installer registry entry is invalid.

**SPAPI\_E\_INVALID\_COINSTALLED = -2146500057**

The device's co-installer is invalid.

**SPAPI\_E\_INVALID\_DEVINST\_NAME = -2146500091**

The device instance name is invalid.

**SPAPI\_E\_INVALID\_FILTER\_DRIVER = -2146500052**

One of the filter drivers installed for this device is invalid.

**SPAPI\_E\_INVALID\_HWPROFILE = -2146500080**

The specified hardware profile does not exist.

**SPAPI\_E\_INVALID\_INF\_LOGCONFIG = -2146500054**

A logical configuration specified in this INF is invalid.

**SPAPI\_E\_INVALID\_MACHINENAME = -2146500064**

The specified machine name does not conform to Universal Naming Convention (UNCs).

**SPAPI\_E\_INVALID\_PROPAGE\_PROVIDER = -2146500060**

The property page provider registry entry is invalid.

**SPAPI\_E\_INVALID\_REFERENCE\_STRING = -2146500065**

The reference string supplied for this interface device is invalid.

**SPAPI\_E\_INVALID\_REG\_PROPERTY = -2146500087**

The device property code is invalid.

**SPAPI\_E\_INVALID\_TARGET = -2146500045**

Cannot copy to specified target.

**SPAPI\_E\_IN\_WOW64** = -2146500043

Operation not allowed in WOW64.

**SPAPI\_E\_KEY\_DOES\_NOT\_EXIST** = -2146500092

The requested device registry key does not exist.

**SPAPI\_E\_LINE\_NOT\_FOUND** = -2146500350

The required line was not found in the INF.

**SPAPI\_E\_MACHINE\_UNAVAILABLE** = -2146500062

The machine selected for remote communication is not available at this time.

**SPAPI\_E\_NON\_WINDOWS\_DRIVER** = -2146500050

The driver selected for this device does not support Windows.

**SPAPI\_E\_NON\_WINDOWS\_NT\_DRIVER** = -2146500051

The driver selected for this device does not support Windows XP operating system.

**SPAPI\_E\_NOT\_AN\_INSTALLED\_OEM\_INF** = -2146500036

The specified file is not an installed original equipment manufacturer (OEM) INF.

**SPAPI\_E\_NOT\_DISABLEABLE** = -2146500047

The device cannot be disabled.

**SPAPI\_E\_NO\_ASSOCIATED\_CLASS** = -2146500096

The INF or the device information set or element does not have an associated install class.

**SPAPI\_E\_NO\_ASSOCIATED\_SERVICE** = -2146500071

The installation failed because a function driver was not specified for this device instance.

**SPAPI\_E\_NO\_AUTHENTICODE\_CATALOG** = -2146500033

A file could not be verified because it does not have an associated catalog signed via Authenticode.

**SPAPI\_E\_NO\_BACKUP** = -2146500349

The files affected by the installation of this file queue have not been backed up for uninstall.

**SPAPI\_E\_NO\_CATALOG\_FOR\_OEM\_INF = -2146500049**

The third-party INF does not contain digital signature information.

**SPAPI\_E\_NO\_CLASSINSTALL\_PARAMS = -2146500075**

No class installer parameters have been set for the device information set or element.

**SPAPI\_E\_NO\_CLASS\_DRIVER\_LIST = -2146500072**

There is no class driver list for the device information element.

**SPAPI\_E\_NO\_COMPAT\_DRIVERS = -2146500056**

There are no compatible drivers for this device.

**SPAPI\_E\_NO\_CONFIGMGR\_SERVICES = -2146500061**

The Plug and Play service is not available on the remote machine.

**SPAPI\_E\_NO\_DEFAULT\_DEVICE\_INTERFACE = -2146500070**

There is presently no default device interface designated for this interface class.

**SPAPI\_E\_NO\_DEVICE\_ICON = -2146500055**

There is no icon that represents this device or device type.

**SPAPI\_E\_NO\_DEVICE\_SELECTED = -2146500079**

There is no device information element currently selected for this device information set.

**SPAPI\_E\_NO\_DRIVER\_SELECTED = -2146500093**

There is no driver selected for the device information set or element.

**SPAPI\_E\_NO\_INF = -2146500086**

The INF from which a driver list is to be built does not exist.

**SPAPI\_E\_NO\_SUCH\_DEVICE\_INTERFACE = -2146500059**

The requested device interface is not present in the system.

**SPAPI\_E\_NO\_SUCH\_DEVINST = -2146500085**

The device instance does not exist in the hardware tree.

**SPAPI\_E\_NO\_SUCH\_INTERFACE\_CLASS** = -2146500066

This interface class does not exist in the system.

**SPAPI\_E\_ONLY\_VALIDATE\_VIA\_AUTHENTICODE** = -2146500027

The file can be validated only by a catalog signed via Authenticode.

**SPAPI\_E\_PNP\_REGISTRY\_ERROR** = -2146500038

A problem was encountered when accessing the Plug and Play registry database.

**SPAPI\_E\_REMOTE\_COMM\_FAILURE** = -2146500063

A general remote communication error occurred.

**SPAPI\_E\_REMOTE\_REQUEST\_UNSUPPORTED** = -2146500037

The requested operation is not supported for a remote machine.

**SPAPI\_E\_SCE\_DISABLED** = -2146500040

The Security Configuration Editor (SCE) APIs have been disabled on this embedded product.

**SPAPI\_E\_SECTION\_NAME\_TOO\_LONG** = -2146500606

An INF section was encountered whose name exceeds the maximum section name length.

**SPAPI\_E\_SECTION\_NOT\_FOUND** = -2146500351

The required section was not found in the INF.

**SPAPI\_E\_SET\_SYSTEM\_RESTORE\_POINT** = -2146500042

The operation involving unsigned file copying was rolled back, so that a system restore point could be set.

**SPAPI\_E\_SIGNATURE\_OSATTRIBUTE\_MISMATCH** = -2146500028

The software was tested for compliance with Windows logo requirements on a different version of Windows and might not be compatible with this version.

**SPAPI\_E\_UNKNOWN\_EXCEPTION** = -2146500039

An unknown exception was encountered.

**SPAPI\_E\_UNRECOVERABLE\_STACK\_OVERFLOW = -2146499840**

An unrecoverable stack overflow was encountered.

**SPAPI\_E\_WRONG\_INF\_STYLE = -2146500352**

The style of the INF is different than what was requested.

**SPAPI\_E\_WRONG\_INF\_TYPE = -2146500022**

The specified INF is the wrong type for this operation.

**STG\_E\_ABNORMALAPIEXIT = -2147286790**

An application programming interface (API) call exited abnormally.

**STG\_E\_ACCESSDENIED = -2147287035**

Access denied.

**STG\_E\_BADBASEADDRESS = -2147286768**

OLE32.DLL has been loaded at the wrong address.

**STG\_E\_CANTSAVE = -2147286781**

Cannot save.

**STG\_E\_CSS\_AUTHENTICATION\_FAILURE = -2147286266**

Copy Protection Error—DVD CSS Authentication failed.

**STG\_E\_CSS\_KEY\_NOT\_ESTABLISHED = -2147286264**

Copy Protection Error—DVD session key not established.

**STG\_E\_CSS\_KEY\_NOT\_PRESENT = -2147286265**

Copy Protection Error—The given sector does not have a valid CSS key.

**STG\_E\_CSS\_REGION\_MISMATCH = -2147286262**

Copy Protection Error—The current DVD's region does not correspond to the region setting of the drive.

**STG\_E\_CSS\_SCRAMBLED\_SECTOR = -2147286263**

Copy Protection Error—The read failed because the sector is encrypted.

**STG\_E\_DISKISWRITEPROTECTED** = -2147287021

Disk is write-protected.

**STG\_E\_DOCFILECORRUPT** = -2147286775

The docfile has been corrupted.

**STG\_E\_DOCFILETOOLARGE** = -2147286767

The compound file is too large for the current implementation.

**STG\_E\_EXTANTMARSHALLINGS** = -2147286776

Illegal operation called on object with extant marshalings.

**STG\_E\_FILEALREADYEXISTS** = -2147286960

%1 already exists.

**STG\_E\_FILENOFOUND** = -2147287038

%1 could not be found.

**STG\_E\_INCOMPLETE** = -2147286527

The file download was aborted abnormally. The file is incomplete.

**STG\_E\_INSUFFICIENTMEMORY** = -2147287032

There is insufficient memory available to complete operation.

**STG\_E\_INUSE** = -2147286784

Attempted to use an object that is busy.

**STG\_E\_INVALIDFLAG** = -2147286785

Invalid flag error.

**STG\_E\_INVALIDFUNCTION** = -2147287039

Unable to perform requested operation.

**STG\_E\_INVALIDHANDLE** = -2147287034

Attempted an operation on an invalid object.

**STG\_E\_INVALIDHEADER** = -2147286789

The file %1 is not a valid compound file.

**STG\_E\_INVALIDNAME** = -2147286788

The name %1 is not valid.

**STG\_E\_INVALIDPARAMETER** = -2147286953

Invalid parameter error.

**STG\_E\_INVALIDPOINTER** = -2147287031

Invalid pointer error.

**STG\_E\_LOCKVIOLATION** = -2147287007

A lock violation has occurred.

**STG\_E\_MEDIUMFULL** = -2147286928

There is insufficient disk space to complete operation.

**STG\_E\_NOMOREFILES** = -2147287022

There are no more entries to return.

**STG\_E\_NOTCURRENT** = -2147286783

The storage has been changed since the last commit.

**STG\_E\_NOTFILEBASEDSTORAGE** = -2147286777

Illegal operation called on non-file based storage.

**STG\_E\_NOTSIMPLEFORMAT** = -2147286766

The compound file was not created with the STGM\_SIMPLE flag.

**STG\_E\_OLD DLL** = -2147286779

The compound file %1 was produced with a newer version of storage.

**STG\_E\_OLDFORMAT** = -2147286780

The compound file %1 was produced with an incompatible version of storage.

**STG\_E\_PATHNOTFOUND** = -2147287037

The path %1 could not be found.

**STG\_E\_PROPSETMISMATCHED** = -2147286800

Illegal write of non-simple property to simple property set.

**STG\_E\_READFAULT** = -2147287010

A disk error occurred during a read operation.

**STG\_E\_RESETS\_EXHAUSTED** = -2147286261

Copy Protection Error—The drive's region setting might be permanent or the number of user resets has been exhausted.

**STG\_E\_REVERTED** = -2147286782

Attempted to use an object that has ceased to exist.

**STG\_E\_SEEKERROR** = -2147287015

An error occurred during a seek operation.

**STG\_E\_SHAREREQUIRED** = -2147286778

Share.exe or equivalent is required for operation.

**STG\_E\_SHAREVIOLATION** = -2147287008

A share violation has occurred.

**STG\_E\_STATUS\_COPY\_PROTECTION\_FAILURE** = -2147286267

Generic Copy Protection Error.

**STG\_E\_TERMINATED** = -2147286526

The file download has been terminated.

**STG\_E\_TOOMANYOPENFILES** = -2147287036

There are insufficient resources to open another file.

**STG\_E\_UNIMPLEMENTEDFUNCTION** = -2147286786

That function is not implemented.

**STG\_E\_UNKNOWN** = -2147286787

An unexpected error occurred.

**STG\_E\_WRITEFAULT** = -2147287011

A disk error occurred during a write operation.

**STG\_S\_BLOCK** = 197121

The storage operation should block until more data is available.

**STG\_S\_CANNOTCONSOLIDATE** = 197126

Consolidation of the storage file is inappropriate (commit succeeded).

**STG\_S\_CONSOLIDATIONFAILED** = 197125

Consolidation of the storage file failed (commit succeeded).

**STG\_S\_MONITORING** = 197123

The notified event sink will not influence the storage operation.

**STG\_S\_MULTIPLEOPENS** = 197124

Multiple opens prevent consolidated (commit succeeded).

**STG\_S\_RETRYNOW** = 197122

The storage operation should retry immediately.

**S\_FALSE** = 1

The operation succeeded but didn't return a positive value.

**S\_OK** = 0

Operation successful.

**TBSIMP\_E\_BUFFER\_TOO\_SMALL** = -2144796160

The specified buffer was too small.

**TBSIMP\_E\_CLEANUP\_FAILED** = -2144796159

The context could not be cleaned up.

**TBSIMP\_E\_COMMAND\_CANCELED = -2144796149**

The command was canceled.

**TBSIMP\_E\_COMMAND\_FAILED = -2144796143**

The TPM command failed.

**TBSIMP\_E\_DUPLICATE\_VHANDLE = -2144796154**

The specified virtual handle matches a virtual handle already in use.

**TBSIMP\_E\_HASH\_BAD\_KEY = -2144796155**

No entry with the specified key was found.

**TBSIMP\_E\_HASH\_TABLE\_FULL = -2144796138**

No new entries can be added to the hash table.

**TBSIMP\_E\_INVALID\_CONTEXT\_HANDLE = -2144796158**

The specified context handle is invalid.

**TBSIMP\_E\_INVALID\_CONTEXT\_PARAM = -2144796157**

An invalid context parameter was specified.

**TBSIMP\_E\_INVALID\_OUTPUT\_POINTER = -2144796153**

The pointer to the returned handle location was null or invalid.

**TBSIMP\_E\_INVALID\_PARAMETER = -2144796152**

One or more parameters are invalid.

**TBSIMP\_E\_INVALID\_RESOURCE = -2144796140**

The resource type did not match.

**TBSIMP\_E\_LIST\_NOT\_FOUND = -2144796146**

The specified item was not found in the list.

**TBSIMP\_E\_LIST\_NO\_MORE\_ITEMS = -2144796147**

The specified list is empty, or the iteration has reached the end of the list.

**TBSIMP\_E\_NOTHING\_TO\_UNLOAD = -2144796139**

No resources can be unloaded.

**TBSIMP\_E\_NOT\_ENOUGH\_SPACE = -2144796145**

The TPM does not have enough space to load the requested resource.

**TBSIMP\_E\_NOT\_ENOUGH TPM\_CONTEXTS = -2144796144**

There are too many TPM contexts in use.

**TBSIMP\_E\_OUT\_OF\_MEMORY = -2144796148**

There was not enough memory to fulfill the request.

**TBSIMP\_E\_PPI\_NOT\_SUPPORTED = -2144796135**

The physical presence interface is not supported.

**TBSIMP\_E\_RESOURCE\_EXPIRED = -2144796141**

The requested resource is no longer available.

**TBSIMP\_E\_RPC\_INIT\_FAILED = -2144796151**

The RPC subsystem could not be initialized.

**TBSIMP\_E\_SCHEDULER\_NOT\_RUNNING = -2144796150**

The TBS scheduler is not running.

**TBSIMP\_E\_TOO\_MANY\_RESOURCES = -2144796136**

A new virtual resource could not be created because there are too many open virtual resources.

**TBSIMP\_E\_TOO\_MANY\_TBS\_CONTEXTS = -2144796137**

A new TBS context could not be created because there are too many open contexts.

**TBSIMP\_E TPM\_ERROR = -2144796156**

An error occurred while communicating with the TPM.

**TBSIMP\_E TPM\_INCOMPATIBLE = -2144796134**

TBS is not compatible with the version of TPM found on the system.

**TBSIMP\_E\_UNKNOWN\_ORDINAL = -2144796142**

The TBS does not recognize the specified ordinal.

**TBS\_E\_BAD\_PARAMETER = -2144845822**

One or more input parameters are bad.

**TBS\_E\_BUFFER\_TOO\_LARGE = -2144845810**

The input or output buffer is too large.

**TBS\_E\_COMMAND\_CANCELED = -2144845811**

The command was canceled.

**TBS\_E\_INSUFFICIENT\_BUFFER = -2144845819**

A specified output buffer is too small.

**TBS\_E\_INTERNAL\_ERROR = -2144845823**

An internal software error has been detected.

**TBS\_E\_INVALID\_CONTEXT = -2144845820**

The specified context handle does not refer to a valid context.

**TBS\_E\_INVALID\_CONTEXT\_PARAM = -2144845817**

One or more context parameters are invalid.

**TBS\_E\_INVALID\_OUTPUT\_POINTER = -2144845821**

A specified output pointer is bad.

**TBS\_E\_IOERROR = -2144845818**

An error occurred while communicating with the TPM.

**TBS\_E\_PPI\_NOT\_SUPPORTED = -2144845812**

The physical presence interface is not supported.

**TBS\_E\_SERVICE\_NOT\_RUNNING = -2144845816**

The TPM Base Services (TBS) is not running and could not be started.

**TBS\_E\_SERVICE\_START\_PENDING** = -2144845813

The TBS service has been started but is not yet running.

**TBS\_E\_TOO\_MANY\_RESOURCES** = -2144845814

A new virtual resource could not be created because there are too many open virtual resources.

**TBS\_E\_TOO\_MANY\_TBS\_CONTEXTS** = -2144845815

A new context could not be created because there are too many open contexts.

**TPMAPI\_E\_ACCESS\_DENIED** = -2144796408

The caller does not have the appropriate rights to perform the requested operation.

**TPMAPI\_E\_AUTHORIZATION\_FAILED** = -2144796407

The specified authorization information was invalid.

**TPMAPI\_E\_BUFFER\_TOO\_SMALL** = -2144796410

The specified buffer was too small.

**TPMAPI\_E\_ENCRYPTION\_FAILED** = -2144796400

The encryption operation failed.

**TPMAPI\_E\_INTERNAL\_ERROR** = -2144796409

An internal error was detected.

**TPMAPI\_E\_INVALID\_CONTEXT\_HANDLE** = -2144796406

The specified context handle was not valid.

**TPMAPI\_E\_INVALID\_CONTEXT\_PARAMS** = -2144796395

One or more of the specified context parameters was not valid.

**TPMAPI\_E\_INVALID\_DELEGATE\_BLOB** = -2144796396

The data given does not appear to be a valid delegate BLOB.

**TPMAPI\_E\_INVALID\_ENCODING** = -2144796402

The encoding in the binary large object (BLOB) was not recognized.

**TPMAPI\_E\_INVALID\_KEY\_BLOB = -2144796394**

The data given does not appear to be a valid key BLOB.

**TPMAPI\_E\_INVALID\_KEY\_PARAMS = -2144796399**

The key parameters structure was not valid.

**TPMAPI\_E\_INVALID\_KEY\_SIZE = -2144796401**

The key size is not valid.

**TPMAPI\_E\_INVALID\_MIGRATION\_AUTHORIZATION\_BLOB = -2144796398**

The requested supplied data does not appear to be a valid migration authorization BLOB.

**TPMAPI\_E\_INVALID\_OUTPUT\_POINTER = -2144796413**

One or more output parameters was null or invalid.

**TPMAPI\_E\_INVALID\_OWNER\_AUTH = -2144796392**

The format of the owner authorization data was invalid.

**TPMAPI\_E\_INVALID\_PARAMETER = -2144796412**

One or more input parameters are invalid.

**TPMAPI\_E\_INVALID\_PCR\_DATA = -2144796393**

The specified PCR data was invalid.

**TPMAPI\_E\_INVALID\_PCR\_INDEX = -2144796397**

The specified PCR index was invalid.

**TPMAPI\_E\_INVALID\_STATE = -2144796416**

The command buffer is not in the correct state.

**TPMAPI\_E\_MESSAGE\_TOO\_LARGE = -2144796403**

The message was too large for the encoding scheme.

**TPMAPI\_E\_NOT\_ENOUGH\_DATA = -2144796415**

The command buffer does not contain enough data to satisfy the request.

**TPMAPI\_E\_OUT\_OF\_MEMORY = -2144796411**

Not enough memory was available to satisfy the request.

**TPMAPI\_E\_TBS\_COMMUNICATION\_ERROR = -2144796405**

An error occurred while communicating with the TBS.

**TPMAPI\_E\_TOO MUCH\_DATA = -2144796414**

The command buffer cannot contain any more data.

**TPMAPI\_E TPM\_COMMAND\_ERROR = -2144796404**

The TPM returned an unexpected result.

**TPM\_E\_AREA\_LOCKED = -2144862148**

The NV area is locked and not writable.

**TPM\_E\_AUDITFAILURE = -2144862204**

An operation completed successfully but the auditing of that operation failed.

**TPM\_E\_AUDITFAIL\_SUCCESSFUL = -2144862159**

TPM audit construction failed and the underlying command was returning success.

**TPM\_E\_AUDITFAIL\_UNSUCCESSFUL = -2144862160**

TPM audit construction failed and the underlying command was returning a failure code also.

**TPM\_E\_AUTH2FAIL = -2144862179**

The authorization for the second key in a two-key function failed authorization.

**TPM\_E\_AUTHFAIL = -2144862207**

Authentication failed.

**TPM\_E\_AUTH\_CONFLICT = -2144862149**

NV\_LoadKey blob requires both owner and blob authorization.

**TPM\_E\_BADCONTEXT = -2144862118**

The context blob is invalid.

**TPM\_E\_BADINDEX = -2144862206**

The index to a Platform Configuration Register (PCR), DIR, or other register is incorrect.

**TPM\_E\_BADTAG = -2144862178**

The tag value sent to for a command is invalid.

**TPM\_E\_BAD\_ATTRIBUTES = -2144862142**

The NV area attributes conflict.

**TPM\_E\_BAD\_COUNTER = -2144862139**

The counter handle is incorrect.

**TPM\_E\_BAD\_DATASIZE = -2144862165**

The size of the data (or blob) parameter is bad or inconsistent with the referenced key.

**TPM\_E\_BAD\_DELEGATE = -2144862119**

Delegation is not correct.

**TPM\_E\_BAD\_HANDLE = -2144862120**

The handle is incorrect.

**TPM\_E\_BAD\_KEY\_PROPERTY = -2144862168**

The key properties in TPM\_KEY\_PARMs are not supported by this TPM.

**TPM\_E\_BAD\_LOCALITY = -2144862147**

The locality is incorrect for the attempted operation.

**TPM\_E\_BAD\_MIGRATION = -2144862167**

The migration properties of this key are incorrect.

**TPM\_E\_BAD\_MODE = -2144862164**

A mode parameter is bad, such as capArea or subCapArea for TPM\_GetCapability, physicalPresence parameter for TPM\_PhysicalPresence, or migrationType for TPM\_CreateMigrationBlob.

**TPM\_E\_BAD\_ORDINAL = -2144862198**

The ordinal was unknown or inconsistent.

**TPM\_E\_BAD\_PARAMETER = -2144862205**

One or more parameters are bad.

**TPM\_E\_BAD\_PARAM\_SIZE = -2144862183**

The paramSize argument to the command has the incorrect value.

**TPM\_E\_BAD\_PRESENCE = -2144862163**

Either the physicalPresence or physicalPresenceLock bits have the wrong value.

**TPM\_E\_BAD\_SCHEME = -2144862166**

The signature or encryption scheme for this key is incorrect or not permitted in this situation.

**TPM\_E\_BAD\_SIGNATURE = -2144862110**

Bad signature of CMK ticket.

**TPM\_E\_BAD\_TYPE = -2144862156**

Make identity blob not properly typed.

**TPM\_E\_BAD\_VERSION = -2144862162**

The TPM cannot perform this version of the capability.

**TPM\_E\_CLEAR\_DISABLED = -2144862203**

The clear disable flag is set and all clear operations now require physical access.

**TPM\_E\_COMMAND\_BLOCKED = -2144861184**

The command was blocked.

**TPM\_E\_CONTEXT\_GAP = -2144862137**

The gap between saved context counts is too large.

**TPM\_E\_DAA\_INPUT\_DATA0 = -2144862127**

The consistency check on DAA parameter inputData0 has failed.

**TPM\_E\_DAA\_INPUT\_DATA1 = -2144862126**

The consistency check on DAA parameter inputData1 has failed.

**TPM\_E\_DAA\_ISSUER\_SETTINGS = -2144862125**

The consistency check on DAA\_issuerSettings has failed.

**TPM\_E\_DAA\_ISSUER\_VALIDITY = -2144862122**

The issuer's validity check has detected an inconsistency.

**TPM\_E\_DAA\_RESOURCES = -2144862128**

The DAA command has no resources available to execute the command.

**TPM\_E\_DAA\_STAGE = -2144862123**

The atomic process indicated by the submitted DAA command is not the expected process.

**TPM\_E\_DAA TPM\_SETTINGS = -2144862124**

The consistency check on DAA\_tpmSpecific has failed.

**TPM\_E\_DAA\_WRONG\_W = -2144862121**

The consistency check on w has failed.

**TPM\_E\_DEACTIVATED = -2144862202**

The TPM is deactivated.

**TPM\_E\_DECRYPT\_ERROR = -2144862175**

The decryption process did not complete.

**TPM\_E\_DEFEND\_LOCK\_RUNNING = -2144860157**

The TPM is defending against dictionary attacks and is in a time-out period.

**TPM\_E\_DELEGATE\_ADMIN = -2144862131**

Delegation table management not enabled.

**TPM\_E\_DELEGATE\_FAMILY = -2144862132**

Attempt to manage a family other then the delegated family.

**TPM\_E\_DELEGATE\_LOCK = -2144862133**

The delegate administration is locked.

**TPM\_E\_DISABLED** = -2144862201

The TPM is disabled.

**TPM\_E\_DISABLED\_CMD** = -2144862200

The target command has been disabled.

**TPM\_E\_DOING\_SELFTEST** = -2144860158

The TPM is currently executing a full self-test.

**TPM\_E\_DUPLICATE\_VHANDLE** = -2144861182

The TPM returned a duplicate handle and the command needs to be resubmitted.

**TPM\_E\_EMBEDDED\_COMMAND\_BLOCKED** = -2144861181

The command within the transport was blocked.

**TPM\_E\_EMBEDDED\_COMMAND\_UNSUPPORTED** = -2144861180

The command within the transport is not supported.

**TPM\_E\_ENCRYPT\_ERROR** = -2144862176

The encryption process had a problem.

**TPM\_E\_ERROR\_MASK** = -2144862208

This is an error mask to convert Trusted Platform Module (TPM) hardware errors to Win32 errors.

**TPM\_E\_FAIL** = -2144862199

The operation failed.

**TPM\_E\_FAILEDSELFTEST** = -2144862180

Self-test has failed and the TPM has shut down.

**TPM\_E\_FAMILYCOUNT** = -2144862144

The family count value does not match.

**TPM\_E\_INAPPROPRIATE\_ENC** = -2144862194

Unacceptable encryption scheme.

**TPM\_E\_INAPPROPRIATE\_SIG = -2144862169**

Signed data cannot include additional DER information.

**TPM\_E\_INSTALL\_DISABLED = -2144862197**

The ability to install an owner is disabled.

**TPM\_E\_INVALID\_AUTHHANDLE = -2144862174**

An invalid handle was used.

**TPM\_E\_INVALID\_FAMILY = -2144862153**

The command is attempting to use an invalid family ID.

**TPM\_E\_INVALID\_HANDLE = -2144861183**

The specified handle was not found.

**TPM\_E\_INVALID\_KEYHANDLE = -2144862196**

The key handle cannot be interpreted.

**TPM\_E\_INVALID\_KEYUSAGE = -2144862172**

The usage of a key is not allowed.

**TPM\_E\_INVALID\_PCR\_INFO = -2144862192**

PCR information could not be interpreted.

**TPM\_E\_INVALID\_POSTINIT = -2144862170**

The command was received in the wrong sequence relative to TPM\_Init and a subsequent TPM\_Startup.

**TPM\_E\_INVALID\_RESOURCE = -2144862155**

When saving context identified resource type does not match actual resource.

**TPM\_E\_INVALID\_STRUCTURE = -2144862141**

The structure tag and version are invalid or inconsistent.

**TPM\_E\_IOERROR = -2144862177**

An I/O error occurred transmitting information to the TPM.

**TPM\_E\_KEYNOTFOUND** = -2144862195

The key handle points to an invalid key.

**TPM\_E\_KEY\_NOTSUPPORTED** = -2144862150

Wrong operation to load an NV key.

**TPM\_E\_KEY\_OWNER\_CONTROL** = -2144862140

The key is under control of the TPM owner and can only be evicted by the TPM owner.

**TPM\_E\_MAXNVWRITES** = -2144862136

The maximum number of NV writes without an owner has been exceeded.

**TPM\_E\_MA\_AUTHORITY** = -2144862113

Incorrect migration authority.

**TPM\_E\_MA\_DESTINATION** = -2144862115

Migration destination not authenticated.

**TPM\_E\_MA\_SOURCE** = -2144862114

Migration source incorrect.

**TPM\_E\_MA\_TICKET\_SIGNATURE** = -2144862116

Migration authority signature validation failure.

**TPM\_E\_MIGRATEFAIL** = -2144862193

Migration authorization failed.

**TPM\_E\_NEEDS\_SELFTEST** = -2144860159

SelfTestFull has not been run.

**TPM\_E\_NOCONTEXTSPACE** = -2144862109

There is no room in the context list for additional contexts.

**TPM\_E\_NOOPERATOR** = -2144862135

No operator AuthData value is set.

**TPM\_E\_NOSPACE = -2144862191**

No room to load key.

**TPM\_E\_NOSRK = -2144862190**

There is no storage root key (SRK) set.

**TPM\_E\_NOTFIPS = -2144862154**

The TPM is attempting to execute a command only available when in Federal Information Processing Standards (FIPS) mode.

**TPM\_E\_NOTLOCAL = -2144862157**

Attempt to reset a PCR register that requires locality and the locality modifier not part of command transport.

**TPM\_E\_NOTRESETABLE = -2144862158**

Attempt to reset a PCR that does not have the resettable attribute.

**TPM\_E\_NOTSEALED\_BLOB = -2144862189**

An encrypted blob is invalid or was not created by this TPM.

**TPM\_E\_NOT\_FULLWRITE = -2144862138**

The write is not a complete write of the area.

**TPM\_E\_NO\_ENDORSEMENT = -2144862173**

The TPM does not have an endorsement key (EK) installed.

**TPM\_E\_NO\_NV\_PERMISSION = -2144862152**

The permission to manipulate the NV storage is not available.

**TPM\_E\_NO\_WRAP\_TRANSPORT = -2144862161**

The TPM does not allow for wrapped transport sessions.

**TPM\_E\_OWNER\_CONTROL = -2144862129**

Attempt to context save an owner evict controlled key.

**TPM\_E\_OWNER\_SET = -2144862188**

There is already an owner.

**TPM\_E\_PERMANENTEK = -2144862111**

Attempt to revoke the EK and the EK is not revocable.

**TPM\_E\_PER\_NOWRITE = -2144862145**

There is no protection on the write to the NV area.

**TPM\_E\_PPI\_ACPI\_FAILURE = -2144795904**

A general error was detected when attempting to acquire the BIOS response to a physical presence command.

**TPM\_E\_PPI\_BIOS\_FAILURE = -2144795902**

The BIOS failure prevented the successful execution of the requested TPM operation (for example, invalid TPM operation request, BIOS communication error with the TPM).

**TPM\_E\_PPI\_NOT\_SUPPORTED = -2144795901**

The BIOS does not support the physical presence interface.

**TPM\_E\_PPI\_USER\_ABORT = -2144795903**

The user failed to confirm the TPM operation request.

**TPM\_E\_READ\_ONLY = -2144862146**

The NV area is read-only and cannot be written to.

**TPM\_E\_REQUIRES\_SIGN = -2144862151**

The operation requires a signed command.

**TPM\_E\_RESOURCEMISSING = -2144862134**

The resource pointed to by context is not loaded.

**TPM\_E\_RESOURCES = -2144862187**

The TPM has insufficient internal resources to perform the requested action.

**TPM\_E\_RETRY = -2144860160**

The TPM is too busy to respond to the command immediately, but the command could be resubmitted at a later time.

**TPM\_E\_SHA\_ERROR = -2144862181**

The calculation is unable to proceed because the existing SHA-1 thread has already encountered an error.

**TPM\_E\_SHA\_THREAD = -2144862182**

There is no existing SHA-1 thread.

**TPM\_E\_SHORTRANDOM = -2144862186**

A random string was too short.

**TPM\_E\_SIZE = -2144862185**

The TPM does not have the space to perform the operation.

**TPM\_E\_TOOMANYCONTEXTS = -2144862117**

Too many contexts held by the TPM.

**TPM\_E\_TRANSPORT\_NOTEXCLUSIVE = -2144862130**

There was a command executed outside an exclusive transport session.

**TPM\_E\_WRITE\_LOCKED = -2144862143**

The NV area has already been written to.

**TPM\_E\_WRONGPCRVAL = -2144862184**

The named PCR value does not match the current PCR value.

**TPM\_E\_WRONG\_ENTITYTYPE = -2144862171**

The submitted entity type is not allowed.

**TRK\_E\_NOT\_FOUND = -1913991141**

A requested object was not found.

**TRK\_E\_VOLUME\_QUOTA\_EXCEEDED = -1913991140**

The server received a CREATE\_VOLUME subrequest of a SYNC\_VOLUMES request, but the ServerVolumeTable size limit for the RequestMachine has already been reached.

#### **TRK\_SERVER\_TOO\_BUSY = -1913991138**

The server is busy, and the client should retry the request at a later time.

#### **TRK\_S\_NOTIFICATION\_QUOTA\_EXCEEDED = 233492743**

The server received a MOVE\_NOTIFICATION request, but the FileTable size limit has already been reached.

#### **TRK\_S\_OUT\_OF\_SYNC = 233492736**

The VolumeSequenceNumber of a MOVE\_NOTIFICATION request is incorrect.

#### **TRK\_VOLUME\_NOT\_FOUND = 233492738**

The VolumID in a request was not found in the server's ServerVolumeTable.

#### **TRK\_VOLUME\_NOT\_OWNED = 233492739**

A notification was sent to the LnkSrvMessage method, but the RequestMachine for the request was not the VolumeOwner for a VolumID in the request.

#### **TRUST\_E\_ACTION\_UNKNOWN = -2146762750**

The trust verification action specified is not supported by the specified trust provider.

#### **TRUST\_E\_BAD\_DIGEST = -2146869232**

The digital signature of the object did not verify.

#### **TRUST\_E\_BASIC\_CONSTRAINTS = -2146869223**

A certificate's basic constraint extension has not been observed.

#### **TRUST\_E\_CERT\_SIGNATURE = -2146869244**

The signature of the certificate cannot be verified.

#### **TRUST\_E\_COUNTER\_SIGNER = -2146869245**

One of the counter signatures was invalid.

#### **TRUST\_E\_EXPLICIT\_DISTRUST = -2146762479**

The certificate was explicitly marked as untrusted by the user.

**TRUST\_E\_FAIL** = -2146762485

Generic trust failure.

**TRUST\_E\_FINANCIAL\_CRITERIA** = -2146869218

The certificate does not meet or contain the Authenticode financial extensions.

**TRUST\_E\_NOSIGNATURE** = -2146762496

No signature was present in the subject.

**TRUST\_E\_NO\_SIGNER\_CERT** = -2146869246

The certificate for the signer of the message is invalid or not found.

**TRUST\_E\_PROVIDER\_UNKNOWN** = -2146762751

Unknown trust provider.

**TRUST\_E SUBJECT FORM UNKNOWN** = -2146762749

The form specified for the subject is not one supported or known by the specified trust provider.

**TRUST\_E SUBJECT NOT TRUSTED** = -2146762748

The subject is not trusted for the specified action.

**TRUST\_E\_SYSTEM\_ERROR** = -2146869247

A system-level error occurred while verifying trust.

**TRUST\_E\_TIME\_STAMP** = -2146869243

The time-stamp signature or certificate could not be verified or is malformed.

**TYPE\_E\_AMBIGUOUSNAME** = -2147319764

Ambiguous name.

**TYPE\_E\_BADMODULEKIND** = -2147317571

Wrong module kind for the operation.

**TYPE\_E\_BUFFERTOOSMALL** = -2147319786

Buffer too small.

**TYPE\_E\_CANTCREATETMPFILE** = -2147316573

Error creating unique .tmp file.

**TYPE\_E\_CANTLOADLIBRARY** = -2147312566

Error loading type library or DLL.

**TYPE\_E\_CIRCULARTYPE** = -2147312508

Circular dependency between types and modules.

**TYPE\_E\_DLLFUNCTIONNOTFOUND** = -2147319761

Function not defined in specified DLL.

**TYPE\_E\_DUPLICATEID** = -2147317562

Duplicate ID in inheritance hierarchy.

**TYPE\_E\_ELEMENTNOTFOUND** = -2147319765

Element not found.

**TYPE\_E\_FIELDNOTFOUND** = -2147319785

Field name not defined in the record.

**TYPE\_E\_INCONSISTENTPROPFUNCS** = -2147312509

Inconsistent property functions.

**TYPE\_E\_INVALIDID** = -2147317553

Incorrect inheritance depth in standard OLE hmember.

**TYPE\_E\_INVALIDSTATE** = -2147319767

Invalid forward reference, or reference to uncompiled type.

**TYPE\_E\_INVDATAREAD** = -2147319784

Old format or invalid type library.

**TYPE\_E\_IOERROR** = -2147316574

I/O error.

**TYPE\_E\_LIBNOTREGISTERED** = -2147319779

Library not registered.

**TYPE\_E\_NAMECONFLICT** = -2147319763

Name already exists in the library.

**TYPE\_E\_OUTOFCOMPARTMENT** = -2147316575

Invalid number of arguments.

**TYPE\_E\_QUALIFIEDNAMEDISALLOWED** = -2147319768

Qualified name disallowed.

**TYPE\_E\_REGISTRYACCESS** = -2147319780

Error accessing the OLE registry.

**TYPE\_E\_SIZETOOBIG** = -2147317563

Size cannot exceed 64 KB.

**TYPE\_E\_TYPEMISMATCH** = -2147316576

Type mismatch.

**TYPE\_E\_UNDEFINEDTYPE** = -2147319769

Bound to unknown type.

**TYPE\_E\_UNKNOWNLCID** = -2147319762

Unknown language code identifier (LCID).

**TYPE\_E\_UNSUPFORMAT** = -2147319783

Old format or invalid type library.

**TYPE\_E\_WRONGTYPEKIND** = -2147319766

Type mismatch.

**VIEW\_E\_DRAW** = -2147221184

Error drawing view.

**XACT\_E\_ALREADY\_FROZEN** = -2147168246

View is already frozen.

**XACT\_E\_ABORTED** = -2147168231

The transaction has already been aborted.

**XACT\_E\_ABORTING** = -2147168215

The local transaction has aborted.

**XACT\_E\_ALREADYINPROGRESS** = -2147168232

The requested operation is already in progress for the transaction.

**XACT\_E\_ALREADYOTHERSINGLEPHASE** = -2147168256

Another single phase resource manager has already been enlisted in this transaction.

**XACT\_E\_CANTRETAIN** = -2147168255

A retaining commit or abort is not supported.

**XACT\_E\_CLERKEXISTS** = -2147168127

The specified CRM clerk does not exist.

**XACT\_E\_CLERKNOTFOUND** = -2147168128

The specified CRM clerk was not found. It might have completed before it could be held.

**XACT\_E\_COMMITFAILED** = -2147168254

The transaction failed to commit for an unknown reason. The transaction was aborted.

**XACT\_E\_COMMITPREVENTED** = -2147168253

Cannot call commit on this transaction object because the calling application did not initiate the transaction.

**XACT\_E\_CONNECTION\_DENIED** = -2147168227

A request to establish a connection with the transaction manager was denied.

**XACT\_E\_CONNECTION\_DOWN** = -2147168228

A connection with the transaction manager was lost.

**XACT\_E\_CONNECTION\_REQUEST\_DENIED = -2147168000**

The request to connect to the specified transaction coordinator was denied.

**XACT\_E\_DEST\_TMNOTAVAILABLE = -2147168222**

The transaction manager on the destination machine is not available.

**XACT\_E\_DUPLICATE\_GUID = -2147167998**

A resource manager with the same identifier is already registered with the specified transaction coordinator.

**XACT\_E\_DUPLICATE\_LU = -2147167991**

The specified logical unit of work already exists.

**XACT\_E\_DUPLICATE\_TRANSID = -2147167989**

A transaction with the given identifier already exists.

**XACT\_E\_HEURISTICABORT = -2147168252**

Instead of committing, the resource heuristically aborted.

**XACT\_E\_HEURISTICCOMMIT = -2147168251**

Instead of aborting, the resource heuristically committed.

**XACT\_E\_HEURISTICDAMAGE = -2147168250**

Some of the states of the resource were committed while others were aborted, likely because of heuristic decisions.

**XACT\_E\_HEURISTICDANGER = -2147168249**

Some of the states of the resource might have been committed while others were aborted, likely because of heuristic decisions.

**XACT\_E\_INDOUBT = -2147168234**

The transaction status is in doubt. A communication failure occurred, or a transaction manager or resource manager has failed.

**XACT\_E\_INVALIDCOOKIE = -2147168235**

The transaction cookie is invalid.

**XACT\_E\_INVALIDLSN = -2147168124**

lsnToRead is outside of the current limits of the log

**XACT\_E\_ISOLATIONLEVEL = -2147168248**

The requested isolation level is not valid or supported.

**XACT\_E\_LOGFULL = -2147168230**

The Transaction Manager returned a log full error.

**XACT\_E\_LU\_BUSY = -2147167988**

The resource is in use.

**XACT\_E\_LU\_DOWN = -2147167986**

The remote session was lost.

**XACT\_E\_LU\_NOT\_CONNECTED = -2147167990**

Subordinate creation failed. The specified logical unit of work was not connected.

**XACT\_E\_LU\_NOT\_FOUND = -2147167992**

The logical unit of work specified cannot be found.

**XACT\_E\_LU\_NO\_RECOVERY\_PROCESS = -2147167987**

The LU Recovery process is down.

**XACT\_E\_LU\_RECOVERING = -2147167985**

The resource is currently recovering.

**XACT\_E\_LU\_RECOVERY\_MISMATCH = -2147167984**

There was a mismatch in driving recovery.

**XACT\_E\_NETWORK\_TX\_DISABLED = -2147168220**

The transaction manager has disabled its support for remote or network transactions.

**XACT\_E\_NOASYNC = -2147168247**

The transaction manager does not support an asynchronous operation for this method.

**XACT\_E\_NOENLIST = -2147168246**

Unable to enlist in the transaction.

**XACT\_E\_NOIMPORTOBJECT = -2147168236**

An import object for the transaction could not be found.

**XACT\_E\_NOISORETAIN = -2147168245**

The requested semantics of retention of isolation across retaining commit and abort boundaries cannot be supported by this transaction implementation, orisoFlagswas not equal to 0.

**XACT\_E\_NORESOURCE = -2147168244**

There is no resource presently associated with this enlistment.

**XACT\_E\_NOTCURRENT = -2147168243**

The transaction failed to commit due to the failure of optimistic concurrency control in at least one of the resource managers.

**XACT\_E\_NOTIMEOUT = -2147168233**

A time-out was specified, but time-outs are not supported.

**XACT\_E\_NOTTRANSACTION = -2147168242**

The transaction has already been implicitly or explicitly committed or aborted.

**XACT\_E\_NOTSINGLEPHASE = -2147167997**

The prepare request given was not eligible for single-phase optimizations.

**XACT\_E\_NOTSUPPORTED = -2147168241**

An invalid combination of flags was specified.

**XACT\_E\_PARTNER\_NETWORK\_TX\_DISABLED = -2147168219**

The partner transaction manager has disabled its support for remote or network transactions.

**XACT\_E\_PROTOCOL = -2147167995**

The interface call made was incorrect for the current state of the protocol.

**XACT\_E\_RECOVERYALREADYDONE = -2147167996**

RecoveryComplete has already been called for the given resource manager.

**XACT\_E\_RECOVERYINPROGRESS = -2147168126**

Recovery of the CRM log file is still in progress.

**XACT\_E\_RECOVERY\_FAILED = -2147167993**

The xa\_recover call failed for the XA resource.

**XACT\_E\_REENLISTTIMEOUT = -2147168226**

Resource manager reenlistment to determine transaction status timed out.

**XACT\_E\_REPLYREQUEST = -2147168123**

The COM+ Compensating Resource Manager has records it wishes to replay.

**XACT\_E\_RM\_FAILURE = -2147167994**

The xa\_open call failed for the XA resource.

**XACT\_E\_RM\_UNAVAILABLE = -2147167983**

An error occurred with the XA resource.

**XACT\_E\_TIP\_CONNECT\_FAILED = -2147168225**

The transaction manager failed to establish a connection with another Transaction Internet Protocol (TIP) transaction manager.

**XACT\_E\_TIP\_DISABLED = -2147168221**

The transaction manager has disabled its support for TIP.

**XACT\_E\_TIP\_PROTOCOL\_ERROR = -2147168224**

The transaction manager encountered a protocol error with another TIP transaction manager.

**XACT\_E\_TIP\_PULL\_FAILED = -2147168223**

The transaction manager could not propagate a transaction from another TIP transaction manager.

**XACT\_E\_TMNOTAVAILABLE = -2147168229**

The transaction manager is not available.

**XACT\_E\_TOOMANY\_ENLISTMENTS = -2147167999**

The maximum number of enlistments for the specified transaction has been reached.

**XACT\_E\_TRANSACTIONCLOSED = -2147168125**

The transaction has completed, and the log records have been discarded from the log file. They are no longer available.

**XACT\_E\_UNABLE\_TO\_LOAD\_DTC\_PROXY = -2147168216**

MSDTC was unable to load the DTC proxy DLL.

**XACT\_E\_UNABLE\_TO\_READ\_DTC\_CONFIG = -2147168217**

Microsoft Distributed Transaction Coordinator (MSDTC) was unable to read its configuration information.

**XACT\_E\_UNKNOWNRMGRID = -2147168240**

The resource manager ID is not associated with this transaction or the transaction manager.

**XACT\_E\_WRONGSTATE = -2147168239**

This method was called in the wrong state.

**XACT\_E\_WRONGUOW = -2147168238**

The indicated unit of work does not match the unit of work expected by the resource manager.

**XACT\_E\_XA\_TX\_DISABLED = -2147168218**

The transaction manager has disabled its support for XA transactions.

**XACT\_E\_XTIONEXISTS = -2147168237**

An enlistment in a transaction already exists.

**XACT\_S\_ABORTING = 315400**

An abort operation was already in progress.

**XACT\_S\_ALLNORETAIN = 315399**

The transaction was successfully aborted. However, the abort was nonretaining.

**XACT\_S\_ASYNC = 315392**

An asynchronous operation was specified. The operation has begun, but its outcome is not known yet.

#### XACT\_S\_LASTRESOURCEMANAGER = 315408

The resource manager has requested to be the coordinator (last resource manager) for the transaction.

#### XACT\_S\_LOCALLY\_OK = 315402

The local transaction has not aborted.

#### XACT\_S\_MADECHANGESCONTENT = 315397

The sink is content and wants the transaction to proceed. Changes were made to one or more resources during this call.

#### XACT\_S\_MADECHANGESINFORM = 315398

The sink is for the moment and wants the transaction to proceed, but if other changes are made following this return by other event sinks, this sink wants another chance to look.

#### XACT\_S\_OKINFORM = 315396

No changes were made during this call, but the sink wants another chance to look if any other sinks make further changes.

#### XACT\_S\_READONLY = 315394

The method call succeeded because the transaction was read-only.

#### XACT\_S\_SINGLEPHASE = 315401

The resource manager has performed a single-phase commit of the transaction.

#### XACT\_S\_SOMENORETAIN = 315395

The transaction was successfully aborted. However, this is a coordinated transaction, and a number of enlisted resources were aborted outright because they could not support abort-retaining semantics.

#### XENROLL\_E\_CANNOT\_ADD\_ROOT\_CERT = -2146873343

You cannot add the root CA certificate into your local store.

#### XENROLL\_E\_KEYSPEC\_SMIME\_MISMATCH = -2146873339

Signing certificate cannot include SMIME extension.

**XENROLL\_E\_KEY\_NOT\_EXPORTABLE** = -2146873344

The key is not exportable.

**XENROLL\_E\_RESPONSE\_KA\_HASH\_MISMATCH** = -2146873340

There is a key archival hash mismatch between the request and the response.

**XENROLL\_E\_RESPONSE\_KA\_HASH\_NOT\_FOUND** = -2146873342

The key archival hash attribute was not found in the response.

**XENROLL\_E\_RESPONSE\_UNEXPECTED\_KA\_HASH** = -2146873341

An unexpected key archival hash attribute was found in the response.

# Class IconExtensions

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Adds extension methods to the [Icon](#) class.

```
public static class IconExtensions
```

## Inheritance

[object](#) ← IconExtensions

## Inherited Members

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

# Methods

## Destroy(Icon)

Destroys the icon's GDI handle.

```
public static bool Destroy(this Icon icon)
```

### Parameters

**icon** [Icon](#)

The icon whose handle is to be destroyed.

### Returns

[bool](#)

[true](#) if successful; otherwise, [false](#). To get extended error information, call [GetLastPInvokeError\(\)](#).

# Class Macros

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Defines Win32 macros.

```
public static class Macros
```

Inheritance

[object](#) ← Macros

Inherited Members

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

## Methods

### Failed(HRESULT)

Provides a generic test for failure on any [HRESULT](#) status value.

```
public static bool Failed(HRESULT hr)
```

Parameters

hr [HRESULT](#)

The status code. This value can be a [HRESULT](#). A non-negative number indicates success.

Returns

[bool](#)

[true](#) if the status code is successful; otherwise, [false](#).

### Failed(Win32ErrorCode)

Provides a generic test for failure on any [Win32ErrorCode](#) status value.

```
public static bool Failed(Win32ErrorCode hr)
```

Parameters

hr [Win32ErrorCode](#)

The status code. This value can be a [Win32ErrorCode](#). A negative number indicates failure.

Returns

[bool](#)

[true](#) if the status code indicates failure; otherwise, [false](#).

## HResultFromWin32(Win32ErrorCode)

Maps a system error code to an [HRESULT](#) value.

```
public static HRESULT HResultFromWin32(this Win32ErrorCode error)
```

Parameters

error [Win32ErrorCode](#)

The system error code.

Returns

[HRESULT](#)

The created [HRESULT](#).

## MakeIntResource(int)

Converts an integer value to a resource type compatible with the resource-management functions. This macro is used in place of a string containing the name of the resource.

```
public static string MakeIntResource(int i)
```

## Parameters

i [int](#)

The integer value to be converted.

## Returns

[string](#)

The created resource.

## Remarks

The return value should be passed only to functions which explicitly indicate that they accept [MakeIntResource\(int\)](#) as a parameter. For example, the resource management functions allow the return value of [MakeIntResource\(int\)](#) to be passed as the `lpType` or `lpName` parameters.

## Succeeded(HRESULT)

Provides a generic test for success on any [HRESULT](#) status value.

```
public static bool Succeeded(HRESULT hr)
```

## Parameters

hr [HRESULT](#)

The status code. This value can be a [HRESULT](#). A non-negative number indicates success.

## Returns

[bool](#)

[true](#) if the status code is successful; otherwise, [false](#).

## Succeeded(Win32ErrorCode)

Provides a generic test for success on any [Win32ErrorCode](#) status value.

```
public static bool Succeeded(Win32ErrorCode hr)
```

## Parameters

**hr** [Win32ErrorCode](#)

The status code. This value can be a [Win32ErrorCode](#). A non-negative number indicates success.

## Returns

[bool](#)

[true](#) if the status code is successful; otherwise, [false](#).

# Class Shell32

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Declares P/Invoke functions from [Shell32.dll](#).

```
public static class Shell32
```

## Inheritance

[object](#) ← Shell32

## Inherited Members

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

# Methods

## DestroyIcon(nint)

Destroys an icon and frees any memory the icon occupied.

```
public static bool DestroyIcon(nint hIcon)
```

### Parameters

**hIcon** [nint](#)

A handle to the icon to be destroyed. The icon must not be in use.

### Returns

[bool](#)

[true](#) if successful; otherwise, [false](#). To get extended error information, call [GetLastPInvokeError\(\)](#).

### Remarks

It is only necessary to call [DestroyIcon\(nint\)](#) for icons and cursors created with the following functions: [CreateIconFromResourceEx](#) (if called without the LR\_SHARED flag), [CreateIconIndirect](#), and [CopyIcon](#). Do not use this function to destroy a shared icon. A shared icon is valid as long as the module from which it was loaded remains in memory. The following functions obtain a shared icon:

- [LoadIcon](#)
- [LoadImage](#) (if you use the LR\_SHARED flag)
- [CopyImage](#) (if you use the LR\_COPYRETURNORG flag and the hImage parameter is a shared icon)
- [CreateIconFromResource](#)
- [CreateIconFromResourceEx](#) (if you use the LR\_SHARED flag)

## GetFileInfo(string)

Retrieves information about an object in the file system, such as a file, folder, directory, or drive root.

```
public static WindowsFile? GetFileInfo(string path)
```

### Parameters

path [string](#)

A string of maximum length [MAX\\_PATH](#) that contains the path and file name. Both absolute and relative paths are valid.

This string can use either short (the 8.3 form) or long file names.

### Returns

[WindowsFile](#)

The [WindowsFile](#) instance containing the data about the file if successful; otherwise, [null](#).

## GetFileInfoEx(string, WindowsFileAttributes, SHGetFileInfoFlags, ref SHFILEINFO)

Retrieves information about an object in the file system, such as a file, folder, directory, or drive root. This function provides all the customization of the Windows API function [SHGetFileInfoW\(string, uint, ref SHFILEINFO, uint, uint\)](#), unlike [GetFileInfo\(string\)](#).

```
public static uint GetFileInfoEx(string pszPath, WindowsFileAttributes dwFileAttributes,
Shell32.SHGetFileInfoFlags uFlags, ref Shell32.SHFILEINFO psfi)
```

## Parameters

### pszPath [string](#)

A string of maximum length [MAX PATH](#) that contains the path and file name. Both absolute and relative paths are valid.

If the `uFlags` parameter includes the [SHGFI\\_PIDL](#) flag, this parameter must be the address of an ITEMIDLIST(PIDL) structure that contains the list of item identifiers that uniquely identifies the file within the Shell's namespace. The PIDL must be a fully qualified PIDL. Relative PIDLs are not allowed.

If the `uFlags` parameter includes the [SHGFI\\_USEFILEATTRIBUTES](#) flag, this parameter does not have to be a valid file name.

The function will proceed as if the file exists with the specified name and with the file attributes passed in the `dwFileAttributes` parameter. This allows you to obtain information about a file type by passing just the extension for `pszPath` and passing `FILE_ATTRIBUTE_NORMAL` in `dwFileAttributes`.

This string can use either short (the 8.3 form) or long file names.

### dwFileAttributes [WindowsFileAttributes](#)

A combination of one or more file attribute flags ([WindowsFileAttributes](#) values). If `uFlags` does not include the [SHGFI\\_USEFILEATTRIBUTES](#) flag, this parameter is ignored, so in that case you should set it to [None](#) instead.

### uFlags [Shell32.SHGetFileInfoFlags](#)

The flags that specify the file information to retrieve. This should be a combination of [Shell32.SHGetFileInfoFlags](#) values.

### psfi [Shell32.SHFILEINFO](#)

Pointer to a [Shell32.SHFILEINFO](#) structure to receive the file information.

## Returns

### [nuint](#)

A value whose meaning depends on the [uFlags](#) parameter.

If `uFlags` does not contain [SHGFI\\_EXETYPE](#) or [SHGFI\\_SYSICONINDEX](#), the return value is non-zero if successful, or zero otherwise.

If `uFlags` contains the [SHGFI\\_EXETYPE](#) flag, the return value specifies the type of the executable file.

It will be one of the following values:

<a href="#">0</a>	Nonexecutable file or an error condition.
<a href="#">LOWORD = NE or PE and HIWORD = Windows version</a>	Windows application.
<a href="#">LOWORD = PE and HIWORD = 0</a>	Console application or .bat file

## Remarks

You should call this function from a background thread. Failure to do so could cause the UI to stop responding.

If [GetFileInfoEx\(string, WindowsFileAttributes, SHGetFileInfoFlags, ref SHFILEINFO\)](#) returns an icon handle in the [hIcon](#) member of the [Shell32.SHFILEINFO](#) structure pointed to by [psfi](#), you are responsible for freeing it with [DestroyIcon\(nint\)](#) when you no longer need it. The [WindowsFile](#) wrapper automatically cleans up these resources on dispose, so you should ideally use [WindowsFile](#) and convert [psfi](#) to a [WindowsFile](#) using the [WindowsFile\(SHFILEINFO, string\)](#) constructor. Additionally, [WindowsFile](#) provides managed types for almost all the [Shell32.SHFILEINFO](#) properties, so using it is preferred.

*Note: Once you have a handle to a system image list, you can use the [Image List API](#) to manipulate it like any other image list. Because system image lists are created on a per-process basis, you should treat them as read-only objects. Writing to a system image list may overwrite or delete one of the system images, making it unavailable or incorrect for the remainder of the process.*

You must initialize Component Object Model (COM) with [Initialize\(COMInitOptions\)](#) prior to calling [SHGetFileInfoW\(string, uint, ref SHFILEINFO, uint, uint\)](#). [GetFileInfoEx\(string, WindowsFileAttributes, SHGetFileInfoFlags, ref SHFILEINFO\)](#) wraps this automatically.

When you use the [SHGFI\\_EXETYPE](#) flag with a Windows application, the Windows version of the executable is given in the [HIWORD](#) of the return value. This version is returned as a hexadecimal value. For details on equating this value with a specific Windows version, see [Using the Windows Headers](#).

## ShellAbout(nint, string, string?, Icon?)

Displays a [ShellAbout](#) dialog box. For an example of this dialog box, run the [winver](#) command.

```
public static bool ShellAbout(nint hWnd, string app, string? moreText, Icon? icon = null)
```

### Parameters

[hWnd](#) [nint](#)

A window handle to a parent window.

[app](#) [string](#)

A string that contains text to be displayed in the title bar of the [ShellAbout](#) dialog box and on the first line of the dialog box after the text "Microsoft". If the text contains a separator (#) that divides it into two parts, the function displays the first part in the title bar and the second part on the first line after the text "Microsoft".

***Windows Vista, Windows Server 2008***: This [string](#) cannot exceed 200 characters [in](#) length. The contents of `app` will no longer show after "Microsoft", unless there is a `#` separator, in which case the part after the `#` will completely replace the first line.

[moreText](#) [string](#)

A string that contains text to be displayed in the dialog box after the version and copyright information. This parameter can be [null](#).

[icon](#) [Icon](#)

An icon that is displayed in the dialog box. This parameter can be [null](#), in which case the dialog displays the Windows icon.

Returns

[bool](#)

[true](#) if successful; otherwise, [false](#).

Examples

For an example of this dialog box, run the [winver](#) command.

## ShellAbout(string, string, Icon?)

Displays a [ShellAbout](#) dialog box. For an example of this dialog box, run the [winver](#) command.

```
public static bool ShellAbout(string app, string moreText, Icon? icon = null)
```

Parameters

[app](#) [string](#)

A string that contains text to be displayed in the title bar of the [ShellAbout](#) dialog box and on the first line of the dialog box after the text "Microsoft". If the text contains a separator (#) that divides it into two parts, the function displays the first part in the title bar and the second part on the first line after the text "Microsoft".

***<b><i>Windows Vista, Windows Server 2008</i></b>***: This [string](#) cannot exceed 200 characters [in](#) length. The contents of `app` will no longer show after "Microsoft", unless there is a `#` separator, in which case the part after the `#` will completely replace the first line.

[moreText](#) [string](#)

A string that contains text to be displayed in the dialog box after the version and copyright information. This parameter can be [null](#).

[icon](#) [Icon](#)

An icon that is displayed in the dialog box. This parameter can be [null](#), in which case the dialog displays the Windows icon.

Returns

[bool](#)

[true](#) if successful; otherwise, [false](#).

## Examples

For an example of this dialog box, run the [winver](#) command.

## ShowFileProperties(params string[])

Displays a merged property sheet for a set of files. Property values common to all the files are shown, while those that differ display the string (multiple values).

```
public static HRESULT ShowFileProperties(params string[] filePaths)
```

## Parameters

[filePaths](#) [string](#)[]

The file paths of the files to show.

## Returns

[HRESULT](#)

If this function succeeds, it returns [S\\_OK](#). Otherwise, it returns a [HRESULT](#) error code.

## ShowPickIconDialog(nint, string, int, out Icon)

Displays a dialog box that allows the user to choose an icon from the selection available embedded in a resource such as an executable or DLL file.

```
public static bool ShowPickIconDialog(nint hWnd, string defIconPath, int defIconIndex, out Icon icon)
```

## Parameters

[hWnd](#) [nint](#)

The handle of the parent window.

### **defIconPath** [string](#)

A string that contains the fully qualified path of the default resource that contains the icons. You should verify that the path is valid before using it.

### **defIconIndex** [int](#)

An integer that specifies the index of the initial selection.

### **icon** [Icon](#)

When this function returns, contains the [Icon](#) that was selected. If loading the icon fails, contains [Error](#).

Returns

### [bool](#)

[true](#) if successful; otherwise, [false](#).

## ShowPickIconDialog([nint](#), [string](#), [int](#), [out string](#), [out int](#))

Displays a dialog box that allows the user to choose an icon from the selection available embedded in a resource such as an executable or DLL file.

```
public static bool ShowPickIconDialog(nint hWnd, string defIconPath, int defIconIndex, out string iconPath, out int iconIndex)
```

Parameters

### **hWnd** [nint](#)

The handle of the parent window.

### **defIconPath** [string](#)

A string that contains the fully qualified path of the default resource that contains the icons. You should verify that the path is valid before using it.

### **defIconIndex** [int](#)

An integer that specifies the index of the initial selection.

## **iconPath** [string](#)

If the user chooses a different resource in the dialog, contains the path of that file when the function returns; otherwise, it contains the path stored in **defIconPath**.

## **iconIndex** [int](#)

When this function returns successfully, receives the index of the icon that was selected.

Returns

## [bool](#)

[true](#) if successful; otherwise, [false](#).

# ShowPickIconDialog(string, int, out Icon)

Displays a dialog box that allows the user to choose an icon from the selection available embedded in a resource such as an executable or DLL file.

```
public static bool ShowPickIconDialog(string defIconPath, int defIconIndex, out Icon icon)
```

Parameters

## **defIconPath** [string](#)

A string that contains the fully qualified path of the default resource that contains the icons. You should verify that the path is valid before using it.

## **defIconIndex** [int](#)

An integer that specifies the index of the initial selection.

## **icon** [Icon](#)

When this function returns, contains the [Icon](#) that was selected. If loading the icon fails, contains [Error](#).

Returns

## [bool](#)

[true](#) if successful; otherwise, [false](#).

## ShowPickIconDialog(string, int, out string, out int)

Displays a dialog box that allows the user to choose an icon from the selection available embedded in a resource such as an executable or DLL file.

```
public static bool ShowPickIconDialog(string defIconPath, int defIconIndex, out string iconPath, out int iconIndex)
```

### Parameters

**defIconPath** [string](#)

A string that contains the fully qualified path of the default resource that contains the icons. You should verify that the path is valid before using it.

**defIconIndex** [int](#)

An integer that specifies the index of the initial selection.

**iconPath** [string](#)

If the user chooses a different resource in the dialog, contains the path of that file when the function returns; otherwise, it contains the path stored in **defIconPath**.

**iconIndex** [int](#)

When this function returns successfully, receives the index of the icon that was selected.

### Returns

[bool](#)

[true](#) if successful; otherwise, [false](#).

# Struct Shell32.SHFILEINFO

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

The internal Windows API struct for [SHGetFileInfoW\(string, uint, ref SHFILEINFO, uint, uint\)](#). Use with [GetFileInfoEx\(string, WindowsFileAttributes, SHGetFileInfoFlags, ref SHFILEINFO\)](#).

```
public struct Shell32.SHFILEINFO
```

## Inherited Members

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

## Fields

### dwAttributes

```
public uint dwAttributes
```

#### Field Value

[uint](#)

### hIcon

```
public nint hIcon
```

#### Field Value

[nint](#)

### iIcon

```
public int iIcon
```

Field Value

[int ↗](#)

## szDisplayName

```
public string szDisplayName
```

Field Value

[string ↗](#)

## szTypeName

```
public string szTypeName
```

Field Value

[string ↗](#)

# Enum Shell32.SHGetFileInfoFlags

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Provides flags for the Windows API function [SHGetFileInfoW\(string, uint, ref SHFILEINFO, uint, uint\)](#). To use this function, call the [GetFileInfoEx\(string, WindowsFileAttributes, SHGetFileInfoFlags, ref SHFILEINFO\)](#) wrapper instead.

```
[Flags]
public enum Shell32.SHGetFileInfoFlags
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#)

## Fields

**SHGFI\_ADDOVERLAYS = 32**

Version 5.0. Apply the appropriate overlays to the file's icon. The SHGFI\_ICON flag must also be set.

**SHGFI\_ATTRIBUTES = 2048**

Retrieve the item attributes. The attributes are copied to the dwAttributes member of the structure specified in the psfi parameter. These are the same attributes that are obtained from IShellFolder::GetAttributesOf.

**SHGFI\_ATTR\_SPECIFIED = 131072**

Modify SHGFI\_ATTRIBUTES to indicate that the dwAttributes member of the SHFILEINFO structure at psfi contains the specific attributes that are desired. These attributes are passed to IShellFolder::GetAttributesOf. If this flag is not specified, 0xFFFFFFFF is passed to IShellFolder::GetAttributesOf, requesting all attributes. This flag cannot be specified with the SHGFI\_ICON flag.

**SHGFI\_DISPLAYNAME = 512**

Retrieve the display name for the file, which is the name as it appears in Windows Explorer. The name is copied to the szDisplayName member of the structure specified in psfi. The returned display name uses the long file name, if there is one, rather than the 8.3 form of the file name. Note that the display name can be affected by settings such as whether extensions are shown.

## **SHGFI\_EXETYPE = 8192**

Retrieve the type of the executable file if pszPath identifies an executable file. The information is packed into the return value. This flag cannot be specified with any other flags.

## **SHGFI\_ICON = 256**

Retrieve the handle to the icon that represents the file and the index of the icon within the system image list. The handle is copied to the hIcon member of the structure specified by psfi, and the index is copied to the iIcon member.

## **SHGFI\_ICONLOCATION = 4096**

Retrieve the name of the file that contains the icon representing the file specified by pszPath, as returned by the IExtractIcon::GetIconLocation method of the file's icon handler. Also retrieve the icon index within that file. The name of the file containing the icon is copied to the szDisplayName member of the structure specified by psfi. The icon's index is copied to that structure's iIcon member.

## **SHGFI\_LARGEICON = 0**

Modify SHGFI\_ICON, causing the function to retrieve the file's large icon. The SHGFI\_ICON flag must also be set.

## **SHGFI\_LINKOVERLAY = 32768**

Modify SHGFI\_ICON, causing the function to add the link overlay to the file's icon. The SHGFI\_ICON flag must also be set.

## **SHGFI\_OPENICON = 2**

Modify SHGFI\_ICON, causing the function to retrieve the file's open icon. Also used to modify SHGFI\_SYSICONINDEX, causing the function to return the handle to the system image list that contains the file's small open icon. A container object displays an open icon to indicate that the container is open. The SHGFI\_ICON and/or SHGFI\_SYSICONINDEX flag must also be set.

## **SHGFI\_OVERLAYINDEX = 64**

Version 5.0. Return the index of the overlay icon. The value of the overlay index is returned in the upper eight bits of the iIcon member of the structure specified by psfi. This flag requires that the SHGFI\_ICON be set as well.

## **SHGFI\_PIDL = 8**

Indicate that pszPath is the address of an ITEMIDLIST structure rather than a path name.

## **SHGFI\_SELECTED = 65536**

Modify SHGFI\_ICON, causing the function to blend the file's icon with the system highlight color. The SHGFI\_ICON flag must also be set.

## **SHGFI\_SHELLICONSIZE = 4**

Modify SHGFI\_ICON, causing the function to retrieve a Shell-sized icon. If this flag is not specified the function sizes the icon according to the system metric values. The SHGFI\_ICON flag must also be set.

## **SHGFI\_SMALLICON = 1**

Modify SHGFI\_ICON, causing the function to retrieve the file's small icon. Also used to modify SHGFI\_SYSICONINDEX, causing the function to return the handle to the system image list that contains small icon images. The SHGFI\_ICON and/or SHGFI\_SYSICONINDEX flag must also be set.

## **SHGFI\_SYSICONINDEX = 16384**

Retrieve the index of a system image list icon. If successful, the index is copied to the ilcon member of psfi. The return value is a handle to the system image list. Only those images whose indices are successfully copied to ilcon are valid. Attempting to access other images in the system image list will result in undefined behavior.

## **SHGFI\_TYPENAME = 1024**

Retrieve the string that describes the file's type. The string is copied to the szTypeName member of the structure specified in psfi.

## **SHGFI\_USEFILEATTRIBUTES = 16**

Indicates that the function should not attempt to access the file specified by pszPath. Rather, it should act as if the file specified by pszPath exists with the file attributes passed in dwFileAttributes. This flag cannot be combined with the SHGFI\_ATTRIBUTES, SHGFI\_EXETYPE, or SHGFI\_PIDL flags.

# Enum TitleBarElement

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Defines elements on a title bar.

```
public enum TitleBarElement
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**CloseButton** = 5

The close (X) button.

**HelpButton** = 4

The help (?) button.

**MaximizeButton** = 3

The maximize/restore button.

**MinimizeButton** = 2

The minimize (-) button.

[Obsolete("TitleBarElement.Reserved is a reserved value. Do not use.")] **Reserved** = 1

A reserved value. Do not use.

**TitleBar** = 0

The title bar itself.

# Enum TitleBarElementState

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Defines the states of a title bar element.

```
[Flags]
public enum TitleBarElementState
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**Focusable** = 1048576

The element can accept the focus.

**Invisible** = 32768

The element is invisible.

**Offscreen** = 65536

The element has no visible representation.

**Pressed** = 8

The element is in the pressed state.

**Unavailable** = 1

The element is unavailable.

# Class TitleBarInfo

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Stores data about a window's title bar.

```
public class TitleBarInfo
```

## Inheritance

[object](#) ← TitleBarInfo

## Inherited Members

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

## Remarks

This data does not update live; it stays at the values it was at when [GetTitleBarInfo\(nint\)](#) was called.

## Properties

### ElementStates

Gets the states of title bar elements (at the time [GetTitleBarInfo\(nint\)](#) was called).

```
public Dictionary<TitleBarElement, TitleBarElementState> ElementStates { get; }
```

### Property Value

[Dictionary](#)<[TitleBarElement](#), [TitleBarElementState](#)>

### Position

Gets the position of the title bar (at the time [GetTitleBarInfo\(nint\)](#) was called).

```
public Rectangle Position { get; }
```

## Property Value

[Rectangle](#) ↗

# Class User32

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Declares P/Invoke functions from [User32.dll](#).

```
public static class User32
```

## Inheritance

[object](#) ← User32

## Inherited Members

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

# Methods

## GetTitleBarInfo(nint)

Retrieves information about the specified title bar.

```
public static TitleBarInfo? GetTitleBarInfo(nint hWnd)
```

### Parameters

[hWnd](#) [nint](#)

A handle to the title bar whose information is to be retrieved.

### Returns

[TitleBarInfo](#)

If the function succeeds, the return value is [non-null](#).

If the function fails, the return value is [null](https://learn.microsoft.com/dotnet/csharp/language-reference/keywords/null). To get extended error information, call [<xref>](#)

```
href="System.Runtime.InteropServices.Marshal.GetLastPInvokeError" data-throw-if-not-resolved="false">></a>
```

## GetWindowAtPoint(Point)

Retrieves a handle to the window that is under the specified point.

```
public static nint? GetWindowAtPoint(Point point)
```

### Parameters

**point** [Point](#)

The point to be checked.

### Returns

[nint](#)?

A handle to the window that is under the point. If no window exists at the given point, the return value is [null](#). If the point is over a static text control, the return value is a handle to the window under the static text control.

## GetWindowAtPoint(int, int)

Retrieves a handle to the window that is under the specified point.

```
public static nint? GetWindowAtPoint(int x, int y)
```

### Parameters

**x** [int](#)

The X position to be checked.

**y** [int](#)

The Y position to be checked.

Returns

[nint](#)?

A handle to the window that is under the point. If no window exists at the given point, the return value is [null](#). If the point is over a static text control, the return value is a handle to the window under the static text control.

## GetWindowLongPtr(nint, int)

Retrieves information about the specified window. The function also retrieves the value at a specified offset into the extra window memory.

```
public static nint GetWindowLongPtr(nint hWnd, int nIndex)
```

Parameters

[hWnd](#) [nint](#)

A handle to the window and, indirectly, the class to which the window belongs.

[nIndex](#) [int](#)

The zero-based offset to the value to be retrieved. Valid values are in the range zero through the number of bytes of extra window memory, minus the size of a LONG\_PTR. To retrieve any other value, specify one of the [DefaultWindowLongPtrValues](#).

Returns

[nint](#)

If the function succeeds, the return value is the requested value.

If the function fails, the return value is zero. To get extended error information, call [System.Runtime.InteropServices.Marshal.GetLastPInvokeError](#) data-throw-if-not-resolved="false".

If [User32.SetWindowLongPtr](#) has not been called previously, [User32.GetWindowLongPtr](#)

data-throw-if-not-resolved="false">></xref> returns zero for values in the extra window or class memory.

## Remarks

Reserve extra window memory by specifying a nonzero value in the cbWndExtra member of the [WNDCLASSEX](#) structure used with the [RegisterClassEx](#) function. Note: The winuser.h header defines [GetWindowLongPtr\(nint, int\)](#) as an alias that automatically selects the ANSI or Unicode version of this function based on the definition of the UNICODE preprocessor constant. Mixing usage of the encoding-neutral alias with code that is not encoding-neutral can lead to mismatches that result in compilation or runtime errors. For more information, see [Conventions for Function Prototypes](#).

## GetWindowState(nint)

Determines the state of the window represented by the handle `hWnd`.

```
public static WindowState GetWindowState(nint hWnd)
```

### Parameters

`hWnd` [nint](#)

The window handle to check.

### Returns

[WindowState](#)

The state of the window.

## IsGUIThread(bool)

Determines whether the calling thread is already a GUI thread. It can also optionally convert the thread to a GUI thread (`bConvert`).

```
public static bool IsGUIThread(bool bConvert = false)
```

### Parameters

## bConvert [bool](#)

If [true](#) and the thread is not a GUI thread, convert the thread to a GUI thread.

### Returns

#### [bool](#)

The function returns a nonzero value in the following situations:

<p>- If the calling thread is already a GUI thread.</p>  
<p>- If <code class="paramref">bConvert</code> is <a href="https://learn.microsoft.com/dotnet/csharp/language-reference/builtin-types/bool">true</a> and the function successfully converts the thread to a GUI thread.</p>  
Otherwise, the [function](#) returns zero.  
If <code class="paramref">bConvert</code> is <a href="https://learn.microsoft.com/dotnet/csharp/language-reference/builtin-types/bool">true</a> and the [function](#) cannot successfully convert the thread [to](#) a GUI thread, [IsGUIThread](#) returns [ERROR\\_NOT\\_ENOUGH\\_MEMORY](#).

## SendMessage([nint](#), [uint](#), [bool](#), [bool](#))

Sends the specified message to a window or windows. The [SendMessage\(\[nint\]\(#\), \[uint\]\(#\), \[nuint\]\(#\), \[nint\]\(#\)\)](#) function calls the window procedure for the specified window and does not return until the window procedure has processed the message.

To send a message and return immediately, use the [SendMessageCallback](#) or [SendNotifyMessage](#) function. To post a message to a thread's message queue and return immediately, use the [PostMessage](#) or [PostThreadMessage](#) function.

```
public static nint SendMessage(nint hWnd, uint uMsg, bool wParam, bool lParam)
```

### Parameters

#### [hWnd](#) [nint](#)

A handle to the window whose window procedure will receive the message. If this parameter is [HWND\\_BROADCAST](#) (([HWND](#))0xffff), the message is sent to all top-level windows in the system,

including disabled or invisible unowned windows, overlapped windows, and pop-up windows; but the message is not sent to child windows.

Message sending is subject to UIPI. The thread of a process can send messages only to message queues of threads in processes of lesser or equal integrity level.

#### uMsg [uint](#)

The message to be sent.

For lists of the system-provided messages, see

[System-Defined Messages](https://learn.microsoft.com/en-us/windows/desktop/winmsg/about-messages-and-message-queues).

#### wParam [bool](#)

Additional message-specific information.

#### lParam [bool](#)

Additional message-specific information.

## Returns

#### [nint](#)

The return value specifies the result of the message processing; it depends on the message sent.

## Remarks

When a message is blocked by UIPI the last error, retrieved with [GetLastPInvokeError\(\)](#), is set to 5 (access denied).

Applications that need to communicate using HWND\_BROADCAST should use the [RegisterWindowMessage](#) function to obtain a unique message for inter-application communication.

The system only does marshalling for system messages (those in the range 0 to (WM\_USER-1)). To send other messages (those >= WM\_USER) to another process, you must do custom marshalling.

If the specified window was created by the calling thread, the window procedure is called immediately as a subroutine. If the specified window was created by a different thread, the system switches to that thread and calls the appropriate window procedure. Messages sent between threads are processed only when the receiving thread executes message retrieval code. The sending thread is blocked until the

receiving thread processes the message. However, the sending thread will process incoming nonqueued messages while waiting for its message to be processed. To prevent this, use [SendMessageTimeout](#) with SMTO\_BLOCK set. For more information on non-queued messages, see [Messages and Message Queues](#).

An accessibility application can use [SendMessage\(nint, uint, nuint, nint\)](#) to send WM\_APPCOMMAND messages to the shell to launch applications. This functionality is not guaranteed to work for other types of applications.

## SendMessage(nint, uint, bool, nint)

Sends the specified message to a window or windows. The [SendMessage\(nint, uint, nuint, nint\)](#) function calls the window procedure for the specified window and does not return until the window procedure has processed the message.

To send a message and return immediately, use the [SendMessageCallback](#) or [SendNotifyMessage](#) function. To post a message to a thread's message queue and return immediately, use the [PostMessage](#) or [PostThreadMessage](#) function.

```
public static nint SendMessage(nint hWnd, uint uMsg, bool wParam, nint lParam)
```

### Parameters

#### hWnd [nint](#)

A handle to the window whose window procedure will receive the message. If this parameter is HWND\_BROADCAST ((HWND)0xffff), the message is sent to all top-level windows in the system, including disabled or invisible unowned windows, overlapped windows, and pop-up windows; but the message is not sent to child windows.

Message sending is subject to UIPI. The thread of a process can send messages only to message queues of threads in processes of lesser or equal integrity level.

#### uMsg [uint](#)

The message to be sent.

For lists of the system-provided messages, see [System-Defined Messages](https://learn.microsoft.com/en-us/windows/desktop/winmsg/about-messages-and-message-queues).

### wParam [bool](#)

Additional message-specific information.

### lParam [nint](#)

Additional message-specific information.

## Returns

### [nint](#)

The return value specifies the result of the message processing; it depends on the message sent.

## Remarks

When a message is blocked by UIPI the last error, retrieved with [GetLastPInvokeError\(\)](#), is set to 5 (access denied).

Applications that need to communicate using HWND\_BROADCAST should use the [RegisterWindowMessage](#) function to obtain a unique message for inter-application communication.

The system only does marshalling for system messages (those in the range 0 to (WM\_USER-1)). To send other messages (those >= WM\_USER) to another process, you must do custom marshalling.

If the specified window was created by the calling thread, the window procedure is called immediately as a subroutine. If the specified window was created by a different thread, the system switches to that thread and calls the appropriate window procedure. Messages sent between threads are processed only when the receiving thread executes message retrieval code. The sending thread is blocked until the receiving thread processes the message. However, the sending thread will process incoming nonqueued messages while waiting for its message to be processed. To prevent this, use [SendMessageTimeout](#) with SMTO\_BLOCK set. For more information on non-queued messages, see [Messages and Message Queues](#).

An accessibility application can use [SendMessage\(nint, uint, nuint, nint\)](#) to send WM\_APPCOMMAND messages to the shell to launch applications. This functionality is not guaranteed to work for other types of applications.

## SendMessage(nint, uint, nuint, bool)

Sends the specified message to a window or windows. The [SendMessage\(nint, uint, nuint, nint\)](#) function calls the window procedure for the specified window and does not return until the window procedure has processed the message.

To send a message and return immediately, use the [SendMessageCallback](#) or [SendNotifyMessage](#) function. To post a message to a thread's message queue and return immediately, use the [PostMessage](#) or [PostThreadMessage](#) function.

```
public static nint SendMessage(nint hWnd, uint uMsg, uint wParam, bool lParam)
```

## Parameters

### hWnd [nint](#)

A handle to the window whose window procedure will receive the message. If this parameter is **HWND\_BROADCAST** ((**HWND**)0xffff), the message is sent to all top-level windows in the system, including disabled or invisible unowned windows, overlapped windows, and pop-up windows; but the message is not sent to child windows.

Message sending is subject to UIPI. The thread of a process can send messages only to message queues of threads in processes of lesser or equal integrity level.

### uMsg [uint](#)

The message to be sent.

For lists of the system-provided messages, see [System-Defined Messages](https://learn.microsoft.com/en-us/windows/desktop/winmsg/about-messages-and-message-queues).

### wParam [nuint](#)

Additional message-specific information.

### lParam [bool](#)

Additional message-specific information.

## Returns

### [nint](#)

The return value specifies the result of the message processing; it depends on the message sent.

## Remarks

When a message is blocked by UIPI the last error, retrieved with [GetLastPInvokeError\(\)](#), is set to 5 (access denied).

Applications that need to communicate using HWND\_BROADCAST should use the [RegisterWindowMessage](#) function to obtain a unique message for inter-application communication.

The system only does marshalling for system messages (those in the range 0 to (WM\_USER-1)). To send other messages (those >= WM\_USER) to another process, you must do custom marshalling.

If the specified window was created by the calling thread, the window procedure is called immediately as a subroutine. If the specified window was created by a different thread, the system switches to that thread and calls the appropriate window procedure. Messages sent between threads are processed only when the receiving thread executes message retrieval code. The sending thread is blocked until the receiving thread processes the message. However, the sending thread will process incoming nonqueued messages while waiting for its message to be processed. To prevent this, use [SendMessageTimeout](#) with SMTO\_BLOCK set. For more information on non-queued messages, see [Messages and Message Queues](#).

An accessibility application can use [SendMessage\(nint, uint, nuint, nint\)](#) to send WM\_APPCOMMAND messages to the shell to launch applications. This functionality is not guaranteed to work for other types of applications.

## SendMessage(nint, uint, nuint, nint)

Sends the specified message to a window or windows. The [SendMessage\(nint, uint, nuint, nint\)](#) function calls the window procedure for the specified window and does not return until the window procedure has processed the message.

To send a message and return immediately, use the [SendMessageCallback](#) or [SendNotifyMessage](#) function. To post a message to a thread's message queue and return immediately, use the [PostMessage](#) or [PostThreadMessage](#) function.

```
public static nint SendMessage(nint hWnd, uint uMsg, nuint wParam, nint lParam)
```

### Parameters

**hWnd** [nint](#)

A handle to the window whose window procedure will receive the message. If this parameter is HWND\_BROADCAST ((HWND)0xffff), the message is sent to all top-level windows in the system,

including disabled or invisible unowned windows, overlapped windows, and pop-up windows; but the message is not sent to child windows.

Message sending is subject to UIPI. The thread of a process can send messages only to message queues of threads in processes of lesser or equal integrity level.

#### uMsg [uint](#)

The message to be sent.

For lists of the system-provided messages, see

[System-Defined Messages](https://learn.microsoft.com/en-us/windows/desktop/winmsg/about-messages-and-message-queues).

#### wParam [nuint](#)

Additional message-specific information.

#### lParam [nint](#)

Additional message-specific information.

## Returns

#### [nint](#)

The return value specifies the result of the message processing; it depends on the message sent.

## Remarks

When a message is blocked by UIPI the last error, retrieved with [GetLastPInvokeError\(\)](#), is set to 5 (access denied).

Applications that need to communicate using HWND\_BROADCAST should use the [RegisterWindowMessage](#) function to obtain a unique message for inter-application communication.

The system only does marshalling for system messages (those in the range 0 to (WM\_USER-1)). To send other messages (those >= WM\_USER) to another process, you must do custom marshalling.

If the specified window was created by the calling thread, the window procedure is called immediately as a subroutine. If the specified window was created by a different thread, the system switches to that thread and calls the appropriate window procedure. Messages sent between threads are processed only when the receiving thread executes message retrieval code. The sending thread is blocked until the

receiving thread processes the message. However, the sending thread will process incoming nonqueued messages while waiting for its message to be processed. To prevent this, use [SendMessageTimeout](#) with SMTO\_BLOCK set. For more information on non-queued messages, see [Messages and Message Queues](#).

An accessibility application can use [SendMessage\(nint, uint, nuint, nint\)](#) to send WM\_APPCOMMAND messages to the shell to launch applications. This functionality is not guaranteed to work for other types of applications.

## SetWindowLongPtr(nint, int, nint)

Changes an attribute of the specified window. The function also sets a value at the specified offset in the extra window memory.

```
public static nint SetWindowLongPtr(nint hWnd, int nIndex, nint dwNewLong)
```

### Parameters

#### hWnd [nint](#)

A handle to the window and, indirectly, the class to which the window belongs. The [SetWindowLongPtr\(nint, int, nint\)](#) function fails if the process that owns the window specified by the hWnd parameter is at a higher process privilege in the UIPI hierarchy than the process the calling thread resides in.

Windows XP/2000: The [SetWindowLongPtr\(nint, int, nint\)](#) function fails if the window specified by the hWnd parameter does not belong to the same process as the calling thread.

#### nIndex [int](#)

The zero-based offset to the value to be set. Valid values are in the range zero through the number of bytes of extra window memory, minus the size of a LONG\_PTR. To set any other value, specify one of the [DefaultWindowLongPtrValues](#).

#### dwNewLong [nint](#)

The replacement value.

### Returns

#### [nint](#)

If the function succeeds, the return value is the previous value of the specified offset.

If the function fails, the return value is zero. To get extended error information, call <System.Runtime.InteropServices.Marshal.GetLastPInvokeError> data-throw-if-not-resolved="false"></a>.

If the previous value is zero and the function succeeds, the return value is zero, but the function does not clear the last error information.

To determine success or failure, clear the last error information by calling SetLastError with 0, then call <a href="FireBlade.WinInteropUtils.User32.SetWindowLongPtr(System.IntPtr%2cSystem.Int32%2cSystem.IntPtr)" data-bbox="80 215 942 245">User32.SetWindowLongPtr(System.IntPtr%2cSystem.Int32%2cSystem.IntPtr) data-throw-if-not-resolved="false"></a>. Function failure will be indicated by a return value of zero and a <a href="System.Runtime.InteropServices.Marshal.GetLastPInvokeError" data-bbox="80 275 942 305">System.Runtime.InteropServices.Marshal.GetLastPInvokeError data-throw-if-not-resolved="false"></a> result that is nonzero.

## Remarks

Certain window data is cached, so changes you make using [SetWindowLongPtr\(nint,int,nint\)](SetWindowLongPtr(nint,int,nint)) will not take effect until you call the <SetWindowPos> function.

If you use [SetWindowLongPtr\(nint,int,nint\)](SetWindowLongPtr(nint,int,nint)) with the <WndProc> index to replace the window procedure, the window procedure must conform to the guidelines specified in the description of the <WndProc> callback function.

If you use [SetWindowLongPtr\(nint,int,nint\)](SetWindowLongPtr(nint,int,nint)) with the <MessageResult> index to set the return value for a message processed by a dialog box procedure, the dialog box procedure should return <true> directly afterward. Otherwise, if you call any function that results in your dialog box procedure receiving a window message, the nested window message could overwrite the return value you set by using <MessageResult>.

Calling [SetWindowLongPtr\(nint,int,nint\)](SetWindowLongPtr(nint,int,nint)) with the <WndProc> index creates a subclass of the window class used to create the window. An application can subclass a system class, but should not subclass a window class created by another process. The [SetWindowLongPtr\(nint,int,nint\)](SetWindowLongPtr(nint,int,nint)) function creates the window subclass by changing the window procedure associated with a particular window class, causing the system to call the new window procedure instead of the previous one.

Do not call [SetWindowLongPtr\(nint,int,nint\)](SetWindowLongPtr(nint,int,nint)) with the <HWNDParent> index to change the parent of a child window. Instead, use the <SetParent> function. <HWNDParent> is used to change the owner of a top-level window, not the parent of a child window. A window can have either a parent or an owner, or neither, but never both simultaneously.

Calling [SetWindowLongPtr\(nint,int,nint\)](SetWindowLongPtr(nint,int,nint)) to set the style on a progress bar will reset its position.

# Class Win32Constants

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Defines common Win32 constants.

```
public static class Win32Constants
```

## Inheritance

[object](#) ← Win32Constants

## Inherited Members

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

## Fields

### FACILITY\_WIN32

Defines the **FACILITY\_WIN32** macro from [winerror.h](#).

```
public const int FACILITY_WIN32 = 7
```

#### Field Value

[int](#)

### MAX\_PATH

Defines the **MAX\_PATH** constant, being the maximum length of a file path for applications that don't have long file path support (unless overridden with the `\?</code> UNC path prefix`).

```
public const int MAX_PATH = 260
```

#### Field Value

int ↗

# Enum Win32ErrorCode

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Defines Win32 error codes.

```
public enum Win32ErrorCode
```

## Extension Methods

[Macros.HResultFromWin32\(Win32ErrorCode\)](#) , [EnumExtensions.GetValues\(Enum\)](#)

## Fields

DNS\_ERROR\_AUTOZONE\_ALREADY\_EXISTS = 9610

DNS automatic zone already exists.

DNS\_ERROR\_AXFR = 9752

DNS zone transfer failed.

DNS\_ERROR\_BACKGROUND\_LOADING = 9568

This operation is not allowed while the DNS server is loading zones in the background. Try again later.

DNS\_ERROR\_BAD\_PACKET = 9502

Bad DNS packet.

DNS\_ERROR\_CANNOT\_FIND\_ROOT\_HINTS = 9564

The DNS server could not find a set of root hints.

DNS\_ERROR\_CNAME\_COLLISION = 9709

A CNAME record already exists for the given name.

DNS\_ERROR\_CNAME\_LOOP = 9707

CNAME loop detected.

DNS\_ERROR\_DATAFILE\_OPEN\_FAILURE = 9653

Failed to open the data file for the DNS zone.

**DNS\_ERROR\_DATAFILE\_PARSING = 9655**

Failure while reading datafile for DNS zone.

**DNS\_ERROR\_DP\_ALREADY\_ENLISTED = 9904**

This DNS server is already enlisted in the specified directory partition.

**DNS\_ERROR\_DP\_ALREADY\_EXISTS = 9902**

The specified directory partition already exists.

**DNS\_ERROR\_DP\_DOES\_NOT\_EXIST = 9901**

The specified directory partition does not exist.

**DNS\_ERROR\_DP\_FSMO\_ERROR = 9906**

The application directory partition operation failed. The domain controller holding the domain naming master role is down or unable to service the request or is not running Windows Server 2003.

**DNS\_ERROR\_DP\_NOT\_AVAILABLE = 9905**

The directory partition is not available at this time. Wait a few minutes and try again.

**DNS\_ERROR\_DP\_NOT\_ENLISTED = 9903**

This DNS server is not enlisted in the specified directory partition.

**DNS\_ERROR\_DS\_UNAVAILABLE = 9717**

The directory service is unavailable.

**DNS\_ERROR\_DS\_ZONE\_ALREADY\_EXISTS = 9718**

DNS zone already exists in the directory service.

**DNS\_ERROR\_DWORD\_VALUE\_TOO\_LARGE = 9567**

The specified value is too large for this parameter.

**DNS\_ERROR\_DWORD\_VALUE\_TOO\_SMALL = 9566**

The specified value is too small for this parameter.

**DNS\_ERROR\_FILE\_WRITEBACK\_FAILED = 9654**

Failed to write the data file for the DNS zone.

**DNS\_ERROR\_FORWARDER\_ALREADY\_EXISTS = 9619**

A conditional forwarding zone already exists for that name.

**DNS\_ERROR\_INCONSISTENT\_ROOT\_HINTS = 9565**

The DNS server found root hints but they were not consistent across all adapters.

**DNS\_ERROR\_INVALID\_DATAFILE\_NAME = 9652**

Invalid data file name for the DNS zone.

**DNS\_ERROR\_INVALID\_IP\_ADDRESS = 9552**

Invalid IP address.

**DNS\_ERROR\_INVALID\_NAME\_CHAR = 9560**

DNS name contains an invalid character.

**DNS\_ERROR\_INVALID\_PROPERTY = 9553**

Invalid property.

**DNS\_ERROR\_INVALID\_TYPE = 9551**

Invalid DNS type.

**DNS\_ERROR\_INVALID\_ZONE\_OPERATION = 9603**

Invalid operation for DNS zone.

**DNS\_ERROR\_INVALID\_ZONE\_TYPE = 9611**

Invalid DNS zone type.

**DNS\_ERROR\_NAME\_DOES\_NOT\_EXIST = 9714**

DNS name does not exist.

**DNS\_ERROR\_NAME\_NOT\_IN\_ZONE = 9706**

Name not in DNS zone.

**DNS\_ERROR\_NBSTAT\_INIT\_FAILED = 9617**

NBTSTAT initialization call failed.

**DNS\_ERROR\_NEED\_SECONDARY\_ADDRESSES = 9614**

Need secondary IP address.

**DNS\_ERROR\_NEED\_WINS\_SERVERS = 9616**

Need WINS servers.

**DNS\_ERROR\_NODE\_CREATION\_FAILED = 9703**

Node creation failure in DNS.

**DNS\_ERROR\_NODE\_IS\_CNAME = 9708**

Node is a CNAME DNS record.

**DNS\_ERROR\_NON\_RFC\_NAME = 9556**

DNS name does not comply with RFC specifications.

**DNS\_ERROR\_NOT\_ALLOWED\_ON\_RODC = 9569**

The operation requested is not permitted on against a DNS server running on a read-only DC.

**DNS\_ERROR\_NOT\_ALLOWED\_ON\_ROOT\_SERVER = 9562**

The operation requested is not permitted on a DNS root server.

**DNS\_ERROR\_NOT\_ALLOWED\_UNDER\_DELEGATION = 9563**

The record could not be created because this part of the DNS namespace has been delegated to another server.

**DNS\_ERROR\_NOT\_UNIQUE = 9555**

Record for given name and type is not unique.

**DNS\_ERROR\_NO\_BOOTFILE\_IF\_DS\_ZONE = 9719**

DNS server not creating or reading the boot file for the directory service integrated DNS zone.

**DNS\_ERROR\_NO\_CREATE\_CACHE\_DATA = 9713**

Could not create DNS cache data.

**DNS\_ERROR\_NO\_DNS\_SERVERS = 9852**

No DNS servers configured for local system.

**DNS\_ERROR\_NO\_PACKET = 9503**

No DNS packet.

**DNS\_ERROR\_NO\_TCPIP = 9851**

TCP/IP network protocol not installed.

**DNS\_ERROR\_NO\_ZONE\_INFO = 9602**

DNS zone information not available.

**DNS\_ERROR\_NUMERIC\_NAME = 9561**

DNS name is entirely numeric.

**DNS\_ERROR\_PRIMARYQUIRES\_DATAFILE = 9651**

The primary DNS zone requires a data file.

**DNS\_ERROR\_RCODE = 9504**

DNS error, check rcode.

**DNS\_ERROR\_RCODE\_BADKEY = 9017**

DNS bad key.

**DNS\_ERROR\_RCODE\_BADSIG = 9016**

DNS signature failed to verify.

**DNS\_ERROR\_RCODE\_BADTIME = 9018**

DNS signature validity expired.

**DNS\_ERROR\_RCODE\_FORMAT\_ERROR = 9001**

DNS server unable to interpret format.

**DNS\_ERROR\_RCODE\_NAME\_ERROR = 9003**

DNS name does not exist.

**DNS\_ERROR\_RCODE\_NOTAUTH = 9009**

DNS server not authoritative for zone.

**DNS\_ERROR\_RCODE\_NOTZONE** = 9010

DNS name in update or prereq is not in zone.

**DNS\_ERROR\_RCODE\_NOT\_IMPLEMENTED** = 9004

DNS request not supported by name server.

**DNS\_ERROR\_RCODE\_NXRRSET** = 9008

DNS RR set that should exist, does not exist.

**DNS\_ERROR\_RCODE\_REFUSED** = 9005

DNS operation refused.

**DNS\_ERROR\_RCODE\_SERVER\_FAILURE** = 9002

DNS server failure.

**DNS\_ERROR\_RCODE\_YXDOMAIN** = 9006

DNS name that should not exist, does exist.

**DNS\_ERROR\_RCODE\_YXRRSET** = 9007

DNS resource record (RR) set that should not exist, does exist.

**DNS\_ERROR\_RECORD\_ALREADY\_EXISTS** = 9711

DNS record already exists.

**DNS\_ERROR\_RECORD\_DOES\_NOT\_EXIST** = 9701

DNS record does not exist.

**DNS\_ERROR\_RECORD\_FORMAT** = 9702

DNS record format error.

**DNS\_ERROR\_RECORD\_ONLY\_AT\_ZONE\_ROOT** = 9710

Record is only at DNS zone root.

**DNS\_ERROR\_RECORD\_TIMED\_OUT** = 9705

DNS record timed out.

**DNS\_ERROR\_SECONDARY\_DATA** = 9712

Secondary DNS zone data error.

**DNS\_ERROR\_SECONDARYQUIRES\_MASTER\_IP** = 9612

Secondary DNS zone requires master IP address.

**DNS\_ERROR\_SOADELETE\_INVALID** = 9618

Invalid delete of SOA.

**DNS\_ERROR\_TRY AGAIN LATER** = 9554

Try DNS operation again later.

**DNS\_ERROR\_UNKNOWN\_RECORD\_TYPE** = 9704

Unknown DNS record type.

**DNS\_ERROR\_UNSECURE\_PACKET** = 9505

Unsecured DNS packet.

**DNS\_ERROR\_WINS\_INIT\_FAILED** = 9615

WINS initialization failed.

**DNS\_ERROR\_ZONE\_ALREADY\_EXISTS** = 9609

DNS zone already exists.

**DNS\_ERROR\_ZONE\_CONFIGURATION\_ERROR** = 9604

Invalid DNS zone configuration.

**DNS\_ERROR\_ZONE\_CREATION\_FAILED** = 9608

DNS zone creation failed.

**DNS\_ERROR\_ZONE\_DOES\_NOT\_EXIST** = 9601

DNS zone does not exist.

**DNS\_ERROR\_ZONE\_HAS\_NO\_NS\_RECORDS** = 9606

DNS zone has no Name Server (NS) record.

**DNS\_ERROR\_ZONE\_HAS\_NO\_SOA\_RECORD = 9605**

DNS zone has no start of authority (SOA) record.

**DNS\_ERROR\_ZONE\_IS\_SHUTDOWN = 9621**

The operation cannot be performed because this zone is shut down.

**DNS\_ERROR\_ZONE\_LOCKED = 9607**

DNS zone is locked.

**DNS\_ERROR\_ZONE\_NOT\_SECONDARY = 9613**

DNS zone not secondary.

**DNS\_ERROR\_ZONE\_REQUIRES\_MASTER\_IP = 9620**

This zone must be configured with one or more master DNS server IP addresses.

**DNS\_INFO\_ADDED\_LOCAL\_WINS = 9753**

Added local WINS server.

**DNS\_INFO\_AXFR\_COMPLETE = 9751**

DNS AXFR (zone transfer) complete.

**DNS\_INFO\_NO\_RECORDS = 9501**

No records found for given DNS query.

**DNS\_STATUS\_CONTINUE\_NEEDED = 9801**

Secure update call needs to continue update request.

**DNS\_STATUS\_DOTTED\_NAME = 9558**

DNS name is dotted (multilabel).

**DNS\_STATUS\_FQDN = 9557**

DNS name is a fully qualified DNS name.

**DNS\_STATUS\_SINGLE\_PART\_NAME = 9559**

DNS name is a single-part name.

**DNS\_WARNING\_DOMAIN\_UNDELETED = 9716**

DNS domain was undeleted.

**DNS\_WARNING\_PTR\_CREATE\_FAILED = 9715**

Could not create pointer (PTR) record.

**EPT\_S\_CANT\_CREATE = 1899**

The endpoint mapper database entry could not be created.

**EPT\_S\_CANT\_PERFORM\_OP = 1752**

The server endpoint cannot perform the operation.

**EPT\_S\_INVALID\_ENTRY = 1751**

The entry is invalid.

**EPT\_S\_NOT\_REGISTERED = 1753**

There are no more endpoints available from the endpoint mapper.

**ERROR\_ABANDONED\_WAIT\_0 = 735**

The call failed because the handle associated with it was closed.

**ERROR\_ABANDON\_HIBERFILE = 787**

A valid hibernation file has been invalidated and should be abandoned.

**ERROR\_ABIOS\_ERROR = 538**

An error occurred in the ABIOS subsystem.

**ERROR\_ACCESS\_AUDIT\_BY\_POLICY = 785**

Access to %1 is monitored by policy rule %2.

**ERROR\_ACCESS\_DENIED = 5**

Access is denied.

**ERROR\_ACCESS\_DISABLED\_BY\_POLICY = 1260**

This program is blocked by Group Policy. For more information, contact your system administrator.

**ERROR\_ACCESS\_DISABLED\_NO\_SAFER\_UI\_BY\_POLICY = 786**

Access to %1 has been restricted by your administrator by policy rule %2.

**ERROR\_ACCESS\_DISABLED\_WEBBLADE = 1277**

Windows cannot open this program because it has been disabled.

**ERROR\_ACCESS\_DISABLED\_WEBBLADE\_TAMPER = 1278**

Windows cannot open this program because the license enforcement system has been tampered with or become corrupted.

**ERROR\_ACCOUNT\_DISABLED = 1331**

Logon failure: Account currently disabled.

**ERROR\_ACCOUNT\_EXPIRED = 1793**

The user's account has expired.

**ERROR\_ACCOUNT\_LOCKED\_OUT = 1909**

The referenced account is currently locked out and cannot be logged on to.

**ERROR\_ACCOUNT\_RESTRICTION = 1327**

Logon failure: User account restriction. Possible reasons are blank passwords not allowed, logon hour restrictions, or a policy restriction has been enforced.

**ERROR\_ACPI\_ERROR = 669**

An error occurred in the Advanced Configuration and Power Interface (ACPI) subsystem.

**ERROR\_ACTIVATION\_COUNT\_EXCEEDED = 7059**

Activation has already been reset the maximum number of times for this installation. Your activation timer will not be cleared.

**ERROR\_ADAP\_HDW\_ERR = 57**

A network adapter hardware error occurred.

**ERROR\_ADDRESS\_ALREADY\_ASSOCIATED = 1227**

The network transport endpoint already has an address associated with it.

**ERROR\_ADDRESS\_NOT\_ASSOCIATED = 1228**

An address has not yet been associated with the network endpoint.

**ERROR\_ADVANCED\_INSTALLER\_FAILED = 14099**

An advanced installer failed during setup or servicing.

**ERROR\_ALIAS\_EXISTS = 1379**

The specified local group already exists.

**ERROR\_ALLOCATE\_BUCKET = 602**

The bucket array must be grown. Retry transaction after doing so.

**ERROR\_ALLLOTTED\_SPACE\_EXCEEDED = 1344**

No more memory is available for security information updates.

**ERROR\_ALL\_NODES\_NOT\_AVAILABLE = 5037**

All cluster nodes must be running to perform this operation.

**ERROR\_ALL\_USER\_TRUST\_QUOTA\_EXCEEDED = 1933**

The total delegated trust creation quota has been exceeded.

**ERROR\_ALREADY\_ASSIGNED = 85**

The local device name is already in use.

**ERROR\_ALREADY\_EXISTS = 183**

Cannot create a file when that file already exists.

**ERROR\_ALREADY\_FIBER = 1280**

The current thread has already been converted to a fiber.

**ERROR\_ALREADY\_INITIALIZED = 1247**

An attempt was made to perform an initialization operation when initialization has already been completed.

**ERROR\_ALREADY\_REGISTERED = 1242**

The service is already registered.

**ERROR\_ALREADY\_RUNNING\_LKG = 1074**

The system is currently running with the last-known-good configuration.

**ERROR\_ALREADY\_THREAD = 1281**

The current thread has already been converted from a fiber.

**ERROR\_ALREADY\_WAITING = 1904**

The specified printer handle is already being waited on.

**ERROR\_ALREADY\_WIN32 = 719**

The value already corresponds with a Win 32 error code.

**ERROR\_AMBIGUOUS\_SYSTEM\_DEVICE = 15250**

The requested system device cannot be identified due to multiple indistinguishable devices potentially matching the identification criteria.

**ERROR\_APPHELP\_BLOCK = 1259**

AppHelp dialog canceled, thus preventing the application from starting.

**ERROR\_APP\_INIT\_FAILURE = 575**

{Application Error} The application failed to initialize properly (0x%lx). Click OK to terminate the application.

**ERROR\_APP\_WRONG\_OS = 1151**

The specified program is not a Windows or MS-DOS program.

**ERROR\_ARBITRATION\_UNHANDLED = 723**

The arbiter has deferred arbitration of these resources to its parent.

**ERROR\_ARENA\_TRASHED = 7**

The storage control blocks were destroyed.

**ERROR\_ARITHMETIC\_OVERFLOW = 534**

Arithmetic result exceeded 32 bits.

**ERROR\_ASSERTION\_FAILURE** = 668

An assertion failure has occurred.

**ERROR\_ATOMIC\_LOCKS\_NOT\_SUPPORTED** = 174

The file system does not support atomic changes to the lock type.

**ERROR\_AUDIT\_FAILED** = 606

{Audit Failed} An attempt to generate a security audit failed.

**ERROR\_AUTHENTICATION\_FIREWALL\_FAILED** = 1935

Logon failure: The machine you are logging on to is protected by an authentication firewall. The specified account is not allowed to authenticate to the machine.

**ERROR\_AUTODATASEG\_EXCEEDS\_64k** = 199

The operating system cannot run this application program.

**ERROR\_BACKUP\_CONTROLLER** = 586

This operation is only allowed for the primary domain controller (PDC) of the domain.

**ERROR\_BADDDB** = 1009

The configuration registry database is corrupt.

**ERROR\_BADKEY** = 1010

The configuration registry key is invalid.

**ERROR\_BADSTARTPOSITION** = 778

The iterator's start position is invalid.

**ERROR\_BAD\_ACCESSOR\_FLAGS** = 773

The data provider was not able to interpret the flags set for a column binding in an accessor.

**ERROR\_BAD\_ARGUMENTS** = 160

One or more arguments are not correct.

**ERROR\_BAD\_COMMAND** = 22

The device does not recognize the command.

**ERROR\_BAD\_COMPRESSION\_BUFFER = 605**

The specified buffer contains ill-formed data.

**ERROR\_BAD\_CONFIGURATION = 1610**

The configuration data for this product is corrupt. Contact your support personnel.

**ERROR\_BAD\_CURRENT\_DIRECTORY = 703**

{Invalid Current Directory} The process cannot switch to the startup current directory %hs. Select OK to set current directory to %hs, or select CANCEL to exit.

**ERROR\_BAD\_DESCRIPTOR\_FORMAT = 1361**

A security descriptor is not in the right format (absolute or self-relative).

**ERROR\_BAD\_DEVICE = 1200**

The specified device name is invalid.

**ERROR\_BAD\_DEV\_TYPE = 66**

The network resource type is not correct.

**ERROR\_BAD\_DLL\_ENTRYPOINT = 609**

{Invalid DLL Entrypoint} The dynamic link library %hs is not written correctly. The stack pointer has been left in an inconsistent state. The entry point should be declared as WINAPI or STDCALL. Select YES to fail the DLL load. Select NO to continue execution. Selecting NO can cause the application to operate incorrectly.

**ERROR\_BAD\_DRIVER = 2001**

The specified driver is invalid.

**ERROR\_BAD\_DRIVER\_LEVEL = 119**

The system does not support the command requested.

**ERROR\_BAD\_ENVIRONMENT = 10**

The environment is incorrect.

**ERROR\_BAD\_EXE\_FORMAT = 193**

%1 is not a valid Win32 application.

**ERROR\_BAD\_FILE\_TYPE = 222**

The file type being saved or retrieved has been blocked.

**ERROR\_BAD\_FORMAT = 11**

An attempt was made to load a program with an incorrect format.

**ERROR\_BAD\_FUNCTION\_TABLE = 559**

A malformed function table was encountered during an unwind operation.

**ERROR\_BAD\_IMPERSONATION\_LEVEL = 1346**

Either a required impersonation level was not provided, or the provided impersonation level is invalid.

**ERROR\_BAD\_INHERITANCE\_ACL = 1340**

The inherited ACL or ACE could not be built.

**ERROR\_BAD\_LENGTH = 24**

The program issued a command but the command length is incorrect.

**ERROR\_BAD\_LOGON\_SESSION\_STATE = 1365**

The logon session is not in a state that is consistent with the requested operation.

**ERROR\_BAD\_NETPATH = 53**

The network path was not found.

**ERROR\_BAD\_NET\_NAME = 67**

The network name cannot be found.

**ERROR\_BAD\_NET\_RESP = 58**

The specified server cannot perform the requested operation.

**ERROR\_BAD\_PATHNAME = 161**

The specified path is invalid.

**ERROR\_BAD\_PIPE = 230**

The pipe state is invalid.

**ERROR\_BAD\_PROFILE = 1206**

The network connection profile is corrupted.

**ERROR\_BAD\_PROVIDER = 1204**

The specified network provider name is invalid.

**ERROR\_BAD\_QUERY\_SYNTAX = 1615**

SQL query syntax invalid or unsupported.

**ERROR\_BAD\_RECOVERY\_POLICY = 6012**

Recovery policy configured for this system contains invalid recovery certificate.

**ERROR\_BAD\_Rem\_Adap = 60**

The remote adapter is not compatible.

**ERROR\_BAD\_SERVICE\_ENTRYPOINT = 610**

{Invalid Service Callback Entrypoint} The %hs service is not written correctly. The stack pointer has been left in an inconsistent state. The callback entry point should be declared as WINAPI or STDCALL. Selecting OK will cause the service to continue operation. However, the service process might operate incorrectly.

**ERROR\_BAD\_STACK = 543**

An invalid or unaligned stack was encountered during an unwind operation.

**ERROR\_BAD\_THREADID\_ADDR = 159**

The address for the thread ID is not correct.

**ERROR\_BAD\_TOKEN\_TYPE = 1349**

The type of the token is inappropriate for its attempted use.

**ERROR\_BAD\_UNIT = 20**

The system cannot find the device specified.

**ERROR\_BAD\_USER\_PROFILE = 1253**

The specified user does not have a valid profile.

**ERROR\_BAD\_VALIDATION\_CLASS = 1348**

The validation information class requested was invalid.

**ERROR\_BEGINNING\_OF\_MEDIA = 1102**

The beginning of the tape or a partition was encountered.

**ERROR\_BEYOND\_VDL = 1289**

The operation occurred beyond the valid data length of the file.

**ERROR BIOS FAILED TO CONNECT\_INTERRUPT = 585**

The system bios failed to connect a system interrupt to the device or bus for which the device is connected.

**ERROR\_BOOT\_ALREADY\_ACCEPTED = 1076**

The current boot has already been accepted for use as the last-known-good control set.

**ERROR\_BROKEN\_PIPE = 109**

The pipe has been ended.

**ERROR\_BUFFER\_ALL\_ZEROS = 754**

Specified buffer contains all zeros.

**ERROR\_BUFFER\_OVERFLOW = 111**

The file name is too long.

**ERROR\_BUSY = 170**

The requested resource is in use.

**ERROR\_BUSY\_DRIVE = 142**

The system cannot perform a JOIN or SUBST at this time.

**ERROR\_BUS\_RESET = 1111**

The I/O bus was reset.

**ERROR\_CACHE\_PAGE\_LOCKED = 752**

Cached page was locked during operation.

## **ERROR\_CALLBACK\_POP\_STACK = 768**

An exception occurred in a user mode callback and the kernel callback frame should be removed.

## **ERROR\_CALLBACK\_SUPPLIED\_INVALID\_DATA = 1273**

An application-defined callback gave invalid data when called.

## **ERROR\_CALL\_NOT\_IMPLEMENTED = 120**

This function is not supported on this system.

## **ERROR\_CANCELLED = 1223**

The operation was canceled by the user.

## **ERROR\_CANCEL\_VIOLATION = 173**

A lock request was not outstanding for the supplied cancel region.

## **ERROR\_CANNOT\_ABORT\_TRANSACTIONS = 6848**

The transactional resource manager had too many transactions outstanding that could not be aborted.

The transactional resource manager has been shut down.

## **ERROR\_CANNOT\_ACCEPT\_TRANSACTED\_WORK = 6847**

The transactional resource manager cannot currently accept transacted work due to a transient condition, such as low resources.

## **ERROR\_CANNOT\_COPY = 266**

The copy functions cannot be used.

## **ERROR\_CANNOT\_DETECT\_DRIVER\_FAILURE = 1080**

Failure actions can only be set for Win32 services, not for drivers.

## **ERROR\_CANNOT\_DETECT\_PROCESS\_ABORT = 1081**

This service runs in the same process as the service control manager. Therefore, the service control manager cannot take action if this service's process terminates unexpectedly.

## **ERROR\_CANNOT\_EXECUTE\_FILE\_IN\_TRANSACTION = 6838**

This file is open for modification in an unresolved transaction and can be opened for execution only by a transacted reader.

**ERROR\_CANNOT\_FIND\_WND\_CLASS = 1407**

Cannot find window class.

**ERROR\_CANNOT\_IMPERSONATE = 1368**

Unable to impersonate using a named pipe until data has been read from that pipe.

**ERROR\_CANNOT\_LOAD\_REGISTRY\_FILE = 589**

{Registry File Failure} The registry cannot load the hive (file): %hs or its log or alternate. It is corrupt, absent, or not writable.

**ERROR\_CANNOT\_MAKE = 82**

The directory or file cannot be created.

**ERROR\_CANNOT\_OPEN\_PROFILE = 1205**

Unable to open the network connection profile.

**ERROR\_CANTFETCHBACKWARDS = 770**

The data provider cannot fetch backward through a result set.

**ERROR\_CANTOPEN = 1011**

The configuration registry key could not be opened.

**ERROR\_CANTREAD = 1012**

The configuration registry key could not be read.

**ERROR\_CANTSCROLLBACKWARDS = 771**

The data provider cannot scroll backward through a result set.

**ERROR\_CANTWRITE = 1013**

The configuration registry key could not be written.

**ERROR\_CANT\_ACCESS\_DOMAIN\_INFO = 1351**

Configuration information could not be read from the domain controller, either because the machine is unavailable, or access has been denied.

**ERROR\_CANT\_ACCESS\_FILE = 1920**

The file cannot be accessed by the system.

**ERROR\_CANT\_BREAK\_TRANSACTIONAL\_DEPENDENCY = 6824**

The operation cannot be performed because another transaction is depending on the fact that this property will not change.

**ERROR\_CANT\_CREATE\_MORE\_STREAM\_MINIVERSIONS = 6812**

It is not possible to create any more miniversions for this stream.

**ERROR\_CANT CROSS\_RM\_BOUNDARY = 6825**

The operation would involve a single file with two transactional resource managers and is therefore not allowed.

**ERROR\_CANT\_DELETE\_LAST\_ITEM = 4335**

The last remaining item in this group or resource cannot be deleted.

**ERROR\_CANT\_DISABLE\_MANDATORY = 1310**

The group cannot be disabled.

**ERROR\_CANT\_ENABLE\_DENY\_ONLY = 629**

A group marked use for deny only cannot be enabled.

**ERROR\_CANT\_EVICT\_ACTIVE\_NODE = 5009**

A cluster node cannot be evicted from the cluster unless the node is down or it is the last node.

**ERROR\_CANT\_OPEN\_ANONYMOUS = 1347**

Cannot open an anonymous level security token.

**ERROR\_CANT\_OPEN\_MINIVERSION\_WITH MODIFY\_INTENT = 6811**

It is not possible to open a miniversion with modify access.

**ERROR\_CANT\_RECOVER\_WITH\_HANDLE\_OPEN = 6818**

The file cannot be recovered because a handle is still open on it.

**ERROR\_CANT\_RESOLVE\_FILENAME = 1921**

The name of the file cannot be resolved by the system.

**ERROR\_CANT\_TERMINATE\_SELF = 555**

Indicates that a thread attempted to terminate itself by default (called NtTerminateThread with NULL) and it was the last thread in the current process.

**ERROR\_CANT\_WAIT = 554**

Used to indicate that an operation cannot continue without blocking for I/O.

**ERROR\_CAN\_NOT\_COMPLETE = 1003**

Cannot complete this function.

**ERROR\_CAN\_NOT\_DEL\_LOCAL\_WINS = 4001**

The local WINS cannot be deleted.

**ERROR\_CARDBUS\_NOT\_SUPPORTED = 724**

The inserted CardBus device cannot be started because of a configuration error on %hs".

**ERROR\_CHECKING\_FILE\_SYSTEM = 712**

Checking file system on %wZ.

**ERROR\_CHECKOUT\_REQUIRED = 221**

The file must be checked out before saving changes.

**ERROR\_CHILD\_MUST\_BE\_VOLATILE = 1021**

Cannot create a stable subkey under a volatile parent key.

**ERROR\_CHILD\_NOT\_COMPLETE = 129**

The %1 application cannot be run in Win32 mode.

**ERROR\_CHILD\_WINDOW\_MENU = 1436**

Child windows cannot have menus.

**ERROR\_CIRCULAR\_DEPENDENCY = 1059**

Circular service dependency was specified.

**ERROR\_CLASS\_ALREADY\_EXISTS = 1410**

Class already exists.

**ERROR\_CLASS\_DOES\_NOT\_EXIST = 1411**

Class does not exist.

**ERROR\_CLASS\_HAS\_WINDOWS = 1412**

Class still has open windows.

**ERROR\_CLEANER\_CARTRIDGE\_INSTALLED = 4340**

A cleaner cartridge is present in the tape library.

**ERROR\_CLEANER\_CARTRIDGE\_SPENT = 4333**

The cleaner cartridge has performed the maximum number of drive cleanings.

**ERROR\_CLEANER\_SLOT\_NOT\_SET = 4332**

A cleaner slot is not reserved.

**ERROR\_CLEANER\_SLOT\_SET = 4331**

A cleaner slot is already reserved.

**ERROR\_CLIENT\_SERVER\_PARAMETERS\_INVALID = 597**

The parameters passed to the server in the client/server shared memory window were invalid. Too much data might have been put in the shared memory window.

**ERROR\_CLIPBOARD\_NOT\_OPEN = 1418**

Thread does not have a clipboard open.

**ERROR\_CLIPPING\_NOT\_SUPPORTED = 2005**

The requested clipping operation is not supported.

**ERROR\_CLUSCFG\_ALREADY\_COMMITTED = 5901**

The cluster configuration action has already been committed.

**ERROR\_CLUSCFG\_ROLLBACK\_FAILED = 5902**

The cluster configuration action could not be rolled back.

**ERROR\_CLUSCFG\_SYSTEM\_DISK\_DRIVE\_LETTER\_CONFLICT = 5903**

The drive letter assigned to a system disk on one node conflicted with the drive letter assigned to a disk on another node.

**ERROR\_CLUSTERLOG\_CHKPOINT\_NOT\_FOUND = 5032**

No checkpoint record was found in the cluster log.

**ERROR\_CLUSTERLOG\_CORRUPT = 5029**

The cluster log is corrupt.

**ERROR\_CLUSTERLOG\_EXCEEDS\_MAXSIZE = 5031**

The cluster log exceeds its maximum size.

**ERROR\_CLUSTERLOG\_NOT\_ENOUGH\_SPACE = 5033**

The minimum required disk space needed for logging is not available.

**ERROR\_CLUSTERLOG\_RECORD\_EXCEEDS\_MAXSIZE = 5030**

The record could not be written to the cluster log because it exceeds the maximum size.

**ERROR\_CLUSTER\_CANT\_CREATE\_DUP\_CLUSTER\_NAME = 5900**

A cluster cannot be created with the specified cluster name because that cluster name is already in use. Specify a different name for the cluster.

**ERROR\_CLUSTER\_CANT\_DESERIALIZE\_DATA = 5923**

An error occurred while deserializing a stream of cluster data.

**ERROR\_CLUSTER\_DATABASE\_SEQMISMATCH = 5083**

The join operation failed because the cluster database sequence number has changed or is incompatible with the locker node. This can happen during a join operation if the cluster database was changing during the join.

**ERROR\_CLUSTER\_DATABASE\_TRANSACTION\_IN\_PROGRESS = 5918**

An internal cluster error occurred. A cluster database transaction was attempted while a transaction was already in progress.

**ERROR\_CLUSTER\_DATABASE\_TRANSACTION\_NOT\_IN\_PROGRESS = 5919**

An internal cluster error occurred. There was an attempt to commit a cluster database transaction while no transaction was in progress.

## **ERROR\_CLUSTER\_EVICT\_WITHOUT\_CLEANUP = 5896**

The cluster node was evicted from the cluster successfully, but the node was not cleaned up. To determine what clean-up steps failed and how to recover, see the Failover Clustering application event log using Event Viewer.

## **ERROR\_CLUSTER\_GROUP\_MOVING = 5908**

The group is unable to accept the request because it is moving to another node.

## **ERROR\_CLUSTER\_GUM\_NOT\_LOCKER = 5085**

A non-locker code received a request to reserve the lock for making global updates.

## **ERROR\_CLUSTER\_INCOMPATIBLE\_VERSIONS = 5075**

The cluster join operation failed due to incompatible software versions between the joining node and its sponsor.

## **ERROR\_CLUSTER\_INSTANCE\_ID\_MISMATCH = 5893**

The join operation failed because the cluster instance ID of the joining node does not match the cluster instance ID of the sponsor node.

## **ERROR\_CLUSTER\_INTERNAL\_INVALID\_FUNCTION = 5912**

An internal cluster error occurred. A call to an invalid function was attempted.

## **ERROR\_CLUSTER\_INVALID\_IPV6\_NETWORK = 5926**

The cluster network is not valid for an IPv6 address resource, or it does not match the configured address.

## **ERROR\_CLUSTER\_INVALID\_IPV6\_TUNNEL\_NETWORK = 5927**

The cluster network is not valid for an IPv6 tunnel resource. Check the configuration of the IP Address resource on which the IPv6 tunnel resource depends.

## **ERROR\_CLUSTER\_INVALID\_NETWORK = 5054**

The cluster network is not valid.

## **ERROR\_CLUSTER\_INVALID\_NETWORK\_PROVIDER = 5049**

The cluster network provider is not valid.

## **ERROR\_CLUSTER\_INVALID\_NODE = 5039**

The cluster node is not valid.

**ERROR\_CLUSTER\_INVALID\_REQUEST = 5048**

The cluster request is not valid for this object.

**ERROR\_CLUSTER\_INVALID\_STRING\_FORMAT = 5917**

An input string of characters is not in a valid format for the data it represents.

**ERROR\_CLUSTER\_INVALID\_STRING\_TERMINATION = 5916**

An input string of characters is not properly terminated.

**ERROR\_CLUSTER\_IPADDR\_IN\_USE = 5057**

The cluster IP address is already in use.

**ERROR\_CLUSTER\_JOIN\_ABORTED = 5074**

The cluster join operation was aborted.

**ERROR\_CLUSTER\_JOIN\_IN\_PROGRESS = 5041**

A node is in the process of joining the cluster.

**ERROR\_CLUSTER\_JOIN\_NOT\_IN\_PROGRESS = 5053**

A cluster join operation is not in progress.

**ERROR\_CLUSTER\_LAST\_INTERNAL\_NETWORK = 5066**

The cluster network is the only one configured for internal cluster communication between two or more active cluster nodes. The internal communication capability cannot be removed from the network.

**ERROR\_CLUSTER\_LOCAL\_NODE\_NOT\_FOUND = 5043**

The cluster local node information was not found.

**ERROR\_CLUSTER\_MAXNUM\_OF\_RESOURCES\_EXCEEDED = 5076**

This resource cannot be created because the cluster has reached the limit on the number of resources it can monitor.

**ERROR\_CLUSTER\_MEMBERSHIP\_HALT = 5892**

The membership engine requested shutdown of the cluster service on this node.

**ERROR\_CLUSTER\_MEMBERSHIP\_INVALID\_STATE = 5890**

An operation was attempted that is incompatible with the current membership state of the node.

**ERROR\_CLUSTER\_MISMATCHED\_COMPUTER\_ACCT\_NAME = 5905**

The name of the corresponding computer account does not match the network name for this resource.

**ERROR\_CLUSTER\_NETINTERFACE\_EXISTS = 5046**

The cluster network interface already exists.

**ERROR\_CLUSTER\_NETINTERFACE\_NOT\_FOUND = 5047**

The cluster network interface was not found.

**ERROR\_CLUSTER\_NETWORK\_ALREADY\_OFFLINE = 5064**

The cluster network is already offline.

**ERROR\_CLUSTER\_NETWORK\_ALREADY\_ONLINE = 5063**

The cluster network is already online.

**ERROR\_CLUSTER\_NETWORK\_EXISTS = 5044**

The cluster network already exists.

**ERROR\_CLUSTER\_NETWORK\_HAS\_DEPENDENTS = 5067**

One or more cluster resources depend on the network to provide service to clients. The client access capability cannot be removed from the network.

**ERROR\_CLUSTER\_NETWORK\_NOT\_FOUND = 5045**

The cluster network was not found.

**ERROR\_CLUSTER\_NETWORK\_NOT\_FOUND\_FOR\_IP = 5894**

A matching cluster network for the specified IP address could not be found.

**ERROR\_CLUSTER\_NETWORK\_NOT\_INTERNAL = 5060**

The cluster network is not configured for internal cluster communication.

**ERROR\_CLUSTER\_NODE\_ALREADY\_DOWN** = 5062

The cluster node is already down.

**ERROR\_CLUSTER\_NODE\_ALREADY\_HAS\_DFS\_ROOT** = 5088

A DFS root already exists in this cluster node.

**ERROR\_CLUSTER\_NODE\_ALREADY\_MEMBER** = 5065

The cluster node is already a member of the cluster.

**ERROR\_CLUSTER\_NODE\_ALREADY\_UP** = 5061

The cluster node is already up.

**ERROR\_CLUSTER\_NODE\_DOWN** = 5050

The cluster node is down.

**ERROR\_CLUSTER\_NODE\_EXISTS** = 5040

The cluster node already exists.

**ERROR\_CLUSTER\_NODE\_NOT\_FOUND** = 5042

The cluster node was not found.

**ERROR\_CLUSTER\_NODE\_NOT\_MEMBER** = 5052

The cluster node is not a member of the cluster.

**ERROR\_CLUSTER\_NODE\_NOT\_PAUSED** = 5058

The cluster node is not paused.

**ERROR\_CLUSTER\_NODE\_NOT\_READY** = 5072

The cluster node is not ready to perform the requested operation.

**ERROR\_CLUSTER\_NODE\_PAUSED** = 5070

The cluster node is paused.

**ERROR\_CLUSTER\_NODE\_SHUTTING\_DOWN** = 5073

The cluster node is shutting down.

**ERROR\_CLUSTER\_NODE\_UNREACHABLE = 5051**

The cluster node is not reachable.

**ERROR\_CLUSTER\_NODE\_UP = 5056**

The cluster node is up.

**ERROR\_CLUSTER\_NO\_NET\_ADAPTERS = 5906**

No network adapters are available.

**ERROR\_CLUSTER\_NO\_QUORUM = 5925**

A quorum of cluster nodes was not present to form a cluster.

**ERROR\_CLUSTER\_NO\_RPC\_PACKAGES\_REGISTERED = 5081**

No authentication package could be registered with the RPC server.

**ERROR\_CLUSTER\_NO\_SECURITY\_CONTEXT = 5059**

No cluster security context is available.

**ERROR\_CLUSTER\_NULL\_DATA = 5920**

An internal cluster error occurred. Data was not properly initialized.

**ERROR\_CLUSTER\_OLD\_VERSION = 5904**

One or more nodes in the cluster are running a version of Windows that does not support this operation.

**ERROR\_CLUSTER\_OWNER\_NOT\_IN\_PREFERENCE\_LIST = 5082**

You cannot bring the group online because the owner of the group is not in the preferred list for the group. To change the owner node for the group, move the group.

**ERROR\_CLUSTER\_PARAMETER\_MISMATCH = 5897**

Two or more parameter values specified for a resource's properties are in conflict.

**ERROR\_CLUSTER\_PARAMETER\_OUT\_OF\_BOUNDS = 5913**

A parameter value is out of acceptable range.

**ERROR\_CLUSTER\_PARTIAL\_READ = 5921**

An error occurred while reading from a stream of data. An unexpected number of bytes was returned.

**ERROR\_CLUSTER\_PARTIAL\_SEND = 5914**

A network error occurred while sending data to another node in the cluster. The number of bytes transmitted was less than required.

**ERROR\_CLUSTER\_PARTIAL\_WRITE = 5922**

An error occurred while writing to a stream of data. The required number of bytes could not be written.

**ERROR\_CLUSTER\_POISONED = 5907**

The cluster node has been poisoned.

**ERROR\_CLUSTER\_PROPERTY\_DATA\_TYPE\_MISMATCH = 5895**

The actual data type of the property did not match the expected data type of the property.

**ERROR\_CLUSTER\_QUORUMLOG\_NOT\_FOUND = 5891**

The quorum resource does not contain the quorum log.

**ERROR\_CLUSTER\_REGISTRY\_INVALID\_FUNCTION = 5915**

An invalid cluster registry operation was attempted.

**ERROR\_CLUSTER\_RESNAME\_NOT\_FOUND = 5080**

The specified resource name is not supported by this resource DLL. This might be due to a bad (or changed) name supplied to the resource DLL.

**ERROR\_CLUSTER\_RESOURCE\_TYPE\_BUSY = 5909**

The resource type cannot accept the request because it is too busy performing another operation.

**ERROR\_CLUSTER\_RESOURCE\_TYPE\_NOT\_FOUND = 5078**

The specified resource type was not found.

**ERROR\_CLUSTER\_RESTYPE\_NOT\_SUPPORTED = 5079**

The specified node does not support a resource of this type. This might be due to version inconsistencies or due to the absence of the resource DLL on this node.

**ERROR\_CLUSTER\_SHUTTING\_DOWN = 5022**

The cluster software is shutting down.

**ERROR\_CLUSTER\_SYSTEM\_CONFIG\_CHANGED = 5077**

The system configuration changed during the cluster join or form operation. The join or form operation was aborted.

**ERROR\_CLUSTER\_WRONG\_OS\_VERSION = 5899**

This computer cannot be made a member of a cluster because it does not have the correct version of Windows installed.

**ERROR\_COLORSPACE\_MISMATCH = 2021**

The specified transform does not match the bitmap's color space.

**ERROR\_COMMITMENT\_LIMIT = 1455**

The paging file is too small for this operation to complete.

**ERROR\_COMMITMENT\_MINIMUM = 635**

{Virtual Memory Minimum Too Low} Your system is low on virtual memory. Windows is increasing the size of your virtual memory paging file. During this process, memory requests for some applications might be denied. For more information, see Help.

**ERROR\_COMPRESSION\_DISABLED = 769**

Compression is disabled for this volume.

**ERROR\_CONNECTED\_OTHER\_PASSWORD = 2108**

The network connection was made successfully, but the user had to be prompted for a password other than the one originally specified.

**ERROR\_CONNECTED\_OTHER\_PASSWORD\_DEFAULT = 2109**

The network connection was made successfully using default credentials.

**ERROR\_CONNECTION\_ABORTED = 1236**

The network connection was aborted by the local system.

**ERROR\_CONNECTION\_ACTIVE = 1230**

An invalid operation was attempted on an active network connection.

**ERROR\_CONNECTION\_COUNT\_LIMIT = 1238**

A connection to the server could not be made because the limit on the number of concurrent connections for this account has been reached.

**ERROR\_CONNECTION\_INVALID = 1229**

An operation was attempted on a nonexistent network connection.

**ERROR\_CONNECTION\_REFUSED = 1225**

The remote system refused the network connection.

**ERROR\_CONNECTION\_UNAVAIL = 1201**

The device is not currently connected but it is a remembered connection.

**ERROR\_CONTENT\_BLOCKED = 1296**

An operation failed because the content was blocked.

**ERROR\_CONTEXT\_EXPIRED = 1931**

The context has expired and can no longer be used.

**ERROR\_CONTINUE = 1246**

Continue with work in progress.

**ERROR\_CONTROLLING\_IREPORT = 4329**

Unable to open or close the inject/eject port.

**ERROR\_CONTROL\_C\_EXIT = 572**

{Application Exit by CTRL+C} The application terminated as a result of a CTRL+C.

**ERROR\_CONTROL\_ID\_NOT\_FOUND = 1421**

Control ID not found.

**ERROR\_CONVERT\_TO\_LARGE = 600**

Internal OFS status codes indicating how an allocation operation is handled. Either it is retried after the containing onode is moved or the extent stream is converted to a large stream.

**ERROR\_CORE\_DRIVER\_PACKAGE\_NOT\_FOUND = 3016**

Unable to find a core driver package that is required by the printer driver package.

**ERROR\_CORE\_RESOURCE = 5026**

The cluster resource could not be deleted because it is a core resource.

**ERROR\_CORRUPT\_SYSTEM\_FILE = 634**

The system file %1 has become corrupt and has been replaced.

**ERROR\_COULD\_NOT\_INTERPRET = 552**

The passed ACL did not contain the minimum required information.

**ERROR\_COULD\_NOT\_RESIZE\_LOG = 6629**

The log could not be set to the requested size.

**ERROR\_COUNTER\_TIMEOUT = 1121**

A serial I/O operation completed because the time-out period expired. (The IOCTL\_SERIAL\_XOFF\_COUNTER did not reach zero.)

**ERROR\_CRASH\_DUMP = 753**

Crash dump exists in paging file.

**ERROR\_CRC = 23**

Data error (cyclic redundancy check).

**ERROR\_CREATE\_FAILED = 1631**

The Windows Installer service failed to start. Contact your support personnel.

**ERROR\_CRM\_PROTOCOL\_ALREADY\_EXISTS = 6710**

The resource manager tried to register a protocol that already exists.

**ERROR\_CRM\_PROTOCOL\_NOT\_FOUND = 6712**

The requested propagation protocol was not registered as a CRM.

**ERROR\_CSCSHARE\_OFFLINE = 1262**

The share is currently offline or does not exist.

**ERROR\_CS\_ENCRYPTION\_EXISTING\_ENCRYPTED\_FILE = 6019**

File is encrypted and should be opened in client-side encryption mode.

**ERROR\_CS\_ENCRYPTION\_FILE\_NOT\_CSE = 6021**

The SMB client requested a client-side extension (CSE) file system control (FSCTL) on a non-CSE file.

**ERROR\_CS\_ENCRYPTION\_INVALID\_SERVER\_RESPONSE = 6017**

The remote server sent an invalid response for a file being opened with client-side encryption.

**ERROR\_CS\_ENCRYPTION\_NEW\_ENCRYPTED\_FILE = 6020**

A new encrypted file is being created and a \$EFS needs to be provided.

**ERROR\_CS\_ENCRYPTION\_UNSUPPORTED\_SERVER = 6018**

Client-side encryption is not supported by the remote server even though it claims to support it.

**ERROR\_CTX\_ACCOUNT\_RESTRICTION = 7064**

Unable to log you on because of an account restriction.

**ERROR\_CTX\_BAD\_VIDEO\_MODE = 7025**

An attempt has been made to connect to a session whose video mode is not supported by the current client.

**ERROR\_CTX\_CANNOT\_MAKE\_EVENTLOG\_ENTRY = 7005**

A registry key for event logging could not be created for this session.

**ERROR\_CTX\_CDM\_CONNECT = 7066**

The Client Drive Mapping Service has connected on terminal connection.

**ERROR\_CTX\_CDM\_DISCONNECT = 7067**

The Client Drive Mapping Service has disconnected on terminal connection.

**ERROR\_CTX\_CLIENT\_LICENSE\_IN\_USE = 7052**

Your request to connect to this terminal server has been rejected. Your terminal server client license number is currently being used by another user. Call your system administrator to obtain a unique license number.

**ERROR\_CTX\_CLIENT\_LICENSE\_NOT\_SET = 7053**

Your request to connect to this terminal server has been rejected. Your terminal server client license number has not been entered for this copy of the terminal server client. Contact your system administrator.

**ERROR\_CTX\_CLIENT\_QUERY\_TIMEOUT = 7040**

The client failed to respond to the server connect message.

**ERROR\_CTX\_CLOSE\_PENDING = 7007**

A close operation is pending on the session.

**ERROR\_CTX\_CONSOLE\_CONNECT = 7042**

Reconnecting a disconnected session to the console is not supported.

**ERROR\_CTX\_CONSOLE\_DISCONNECT = 7041**

Disconnecting the console session is not supported.

**ERROR\_CTX\_ENCRYPTION\_LEVEL\_REQUIRED = 7061**

You do not have the proper encryption level to access this session.

**ERROR\_CTX\_GRAPHICS\_INVALID = 7035**

The application attempted to enable DOS graphics mode. DOS graphics mode is not supported.

**ERROR\_CTX\_INVALID\_MODEMNAME = 7010**

The modem name was not found in the MODEM.INF file.

**ERROR\_CTX\_INVALID\_PD = 7002**

The specified protocol driver is invalid.

**ERROR\_CTX\_INVALID\_WD = 7049**

The specified terminal connection driver is invalid.

**ERROR\_CTX\_LICENSE\_CLIENT\_INVALID = 7055**

The client you are using is not licensed to use this system. Your logon request is denied.

**ERROR\_CTX\_LICENSE\_EXPIRED = 7056**

The system license has expired. Your logon request is denied.

**ERROR\_CTX\_LICENSE\_NOT\_AVAILABLE = 7054**

The number of connections to this computer is limited and all connections are in use right now. Try connecting later or contact your system administrator.

**ERROR\_CTX\_LOGON\_DISABLED = 7037**

Your interactive logon privilege has been disabled. Contact your administrator.

**ERROR\_CTX\_MODEM\_INF\_NOT\_FOUND = 7009**

The MODEM.INF file was not found.

**ERROR\_CTX\_MODEM\_RESPONSE\_BUSY = 7015**

Busy signal detected at remote site on callback.

**ERROR\_CTX\_MODEM\_RESPONSE\_ERROR = 7011**

The modem did not accept the command sent to it. Verify that the configured modem name matches the attached modem.

**ERROR\_CTX\_MODEM\_RESPONSE\_NO\_CARRIER = 7013**

Carrier detect has failed or carrier has been dropped due to disconnect.

**ERROR\_CTX\_MODEM\_RESPONSE\_NO\_DIALTONE = 7014**

Dial tone not detected within the required time. Verify that the phone cable is properly attached and functional.

**ERROR\_CTX\_MODEM\_RESPONSE\_TIMEOUT = 7012**

The modem did not respond to the command sent to it. Verify that the modem is properly cabled and turned on.

**ERROR\_CTX\_MODEM\_RESPONSE\_VOICE = 7016**

Voice detected at remote site on callback.

**ERROR\_CTX\_NOT\_CONSOLE = 7038**

The requested operation can be performed only on the system console. This is most often the result of a driver or system DLL requiring direct console access.

**ERROR\_CTX\_NO\_FORCE\_LOGOFF = 7063**

The user %s\%s is already logged on to the console of this computer. You do not have permission to log in at this time. To resolve this issue, contact %s\%s and have them log off.

#### **ERROR\_CTX\_NO\_OUTBUF = 7008**

There are no free output buffers available.

#### **ERROR\_CTX\_PD\_NOT\_FOUND = 7003**

The specified protocol driver was not found in the system path.

#### **ERROR\_CTX\_SECURITY\_LAYER\_ERROR = 7068**

The terminal server security layer detected an error in the protocol stream and has disconnected the client.

#### **ERROR\_CTX\_SERVICE\_NAME\_COLLISION = 7006**

A service with the same name already exists on the system.

#### **ERROR\_CTX\_SESSION\_IN\_USE = 7062**

The user %s\%s is currently logged on to this computer. Only the current user or an administrator can log on to this computer.

#### **ERROR\_CTX\_SHADOW\_DENIED = 7044**

The request to control another session remotely was denied.

#### **ERROR\_CTX\_SHADOW\_DISABLED = 7051**

The requested session is not configured to allow remote control.

#### **ERROR\_CTX\_SHADOW\_ENDED\_BY\_MODE\_CHANGE = 7058**

The remote control of the console was terminated because the display mode was changed. Changing the display mode in a remote control session is not supported.

#### **ERROR\_CTX\_SHADOW\_INVALID = 7050**

The requested session cannot be controlled remotely. This might be because the session is disconnected or does not currently have a user logged on.

#### **ERROR\_CTX\_SHADOW\_NOT\_RUNNING = 7057**

Remote control could not be terminated because the specified session is not currently being remotely controlled.

**ERROR\_CTX\_TD\_ERROR = 7017**

Transport driver error.

**ERROR\_CTX\_WD\_NOT\_FOUND = 7004**

The specified terminal connection driver was not found in the system path.

**ERROR\_CTX\_WINSTATIONS\_DISABLED = 7060**

Remote logons are currently disabled.

**ERROR\_CTX\_WINSTATION\_ACCESS\_DENIED = 7045**

The requested session access is denied.

**ERROR\_CTX\_WINSTATION\_ALREADY\_EXISTS = 7023**

The specified session name is already in use.

**ERROR\_CTX\_WINSTATION\_BUSY = 7024**

The requested operation cannot be completed because the terminal connection is currently busy processing a connect, disconnect, reset, or delete operation.

**ERROR\_CTX\_WINSTATION\_NAME\_INVALID = 7001**

The specified session name is invalid.

**ERROR\_CTX\_WINSTATION\_NOT\_FOUND = 7022**

The specified session cannot be found.

**ERROR\_CURRENT\_DIRECTORY = 16**

The directory cannot be removed.

**ERROR\_CURRENT\_DOMAIN\_NOT\_ALLOWED = 1399**

This operation cannot be performed on the current domain.

**ERROR\_CURRENT\_TRANSACTION\_NOT\_VALID = 6714**

The current transaction context associated with the thread is not a valid handle to a transaction object.

**ERROR\_DATABASE\_BACKUP\_CORRUPT = 5087**

The backed-up cluster database is possibly corrupt.

**ERROR\_DATABASE\_DOES\_NOT\_EXIST = 1065**

The database specified does not exist.

**ERROR\_DATABASE\_FAILURE = 4313**

Unable to read from or write to the database.

**ERROR\_DATABASE\_FULL = 4314**

The database is full.

**ERROR\_DATATYPE\_MISMATCH = 1629**

Data supplied is of wrong type.

**ERROR\_DATA\_LOST\_REPAIR = 6843**

Windows has discovered corruption in a file, and that file has since been repaired. Data loss might have occurred.

**ERROR\_DATA\_NOT\_ACCEPTED = 592**

{Data Not Accepted} The transport driver interface (TDI) client could not handle the data received during an indication.

**ERROR\_DBG\_COMMAND\_EXCEPTION = 697**

Debugger command communication exception.

**ERROR\_DBG\_CONTINUE = 767**

Debugger continued.

**ERROR\_DBG\_CONTROL\_BREAK = 696**

Debugger received control break.

**ERROR\_DBG\_CONTROL\_C = 693**

Debugger got control C.

**ERROR\_DBG\_EXCEPTION\_HANDLED = 766**

Debugger handled exception.

**ERROR\_DBG\_EXCEPTION\_NOT\_HANDLED = 688**

Debugger did not handle the exception.

**ERROR\_DBG\_PRINTEXCEPTION\_C = 694**

Debugger printed exception on control C.

**ERROR\_DBG\_REPLY\_LATER = 689**

Debugger will reply later.

**ERROR\_DBG\_RIPEXCEPTION = 695**

Debugger received Routing Information Protocol (RIP) exception.

**ERROR\_DBG\_TERMINATE\_PROCESS = 692**

Debugger terminated process.

**ERROR\_DBG\_TERMINATE\_THREAD = 691**

Debugger terminated thread.

**ERROR\_DBG\_UNABLE\_TO\_PROVIDE\_HANDLE = 690**

Debugger cannot provide handle.

**ERROR\_DC\_NOT\_FOUND = 1425**

Invalid device context (DC) handle.

**ERROR\_DDE\_FAIL = 1156**

An error occurred in sending the command to the application.

**ERROR\_DEBUGGER\_INACTIVE = 1284**

An attempt to perform an operation on a debug object failed because the object is in the process of being deleted.

**ERROR\_DEBUG\_ATTACH\_FAILED = 590**

{Unexpected Failure in DebugActiveProcess} An unexpected failure occurred while processing a DebugActiveProcess API request. Choosing OK will terminate the process, and choosing Cancel will ignore the error.

**ERROR\_DECRYPTION\_FAILED = 6001**

The specified file could not be decrypted.

**ERROR\_DELAY\_LOAD\_FAILED = 1285**

An attempt to delay-load a .dll or get a function address in a delay-loaded .dll failed.

**ERROR\_DELETE\_PENDING = 303**

The file cannot be opened because it is in the process of being deleted.

**ERROR\_DELETING\_ICM\_XFORM = 2019**

There was an error while deleting the color transform.

**ERROR\_DEPENDENCY\_ALREADY\_EXISTS = 5003**

The cluster resource cannot be made dependent on the specified resource because it is already dependent.

**ERROR\_DEPENDENCY\_NOT\_ALLOWED = 5069**

The cluster quorum resource is not allowed to have any dependencies.

**ERROR\_DEPENDENCY\_NOT\_FOUND = 5002**

The cluster resource dependency cannot be found.

**ERROR\_DEPENDENT\_RESOURCE\_EXISTS = 5001**

The operation cannot be completed because other resources depend on this resource.

**ERROR\_DEPENDENT\_RESOURCE\_PROPERTY\_CONFLICT = 5924**

One or more property values for this resource are in conflict with one or more property values associated with its dependent resources.

**ERROR\_DEPENDENT\_SERVICES\_RUNNING = 1051**

A stop control has been sent to a service that other running services are dependent on.

**ERROR\_DESTINATION\_ELEMENT\_FULL = 1161**

The indicated destination element already contains media.

**ERROR\_DESTROY\_OBJECT\_OF\_OTHER\_THREAD = 1435**

Cannot destroy object created by another thread.

**ERROR\_DEVICE\_ALREADY\_ATTACHED = 548**

An attempt was made to attach to a device that was already attached to another device.

**ERROR\_DEVICE\_ALREADY\_REMEMBERED = 1202**

The local device name has a remembered connection to another network resource.

**ERROR\_DEVICE\_DOOR\_OPEN = 1166**

The device has indicated that its door is open.

**ERROR\_DEVICE\_ENUMERATION\_ERROR = 648**

The device encountered an error while applying power or reading the device configuration. This might be caused by a failure of your hardware or by a poor connection.

**ERROR\_DEVICE\_NOT\_AVAILABLE = 4319**

The device is not ready for use.

**ERROR\_DEVICE\_NOT\_CONNECTED = 1167**

The device is not connected.

**ERROR\_DEVICE\_NOT\_PARTITIONED = 1107**

Tape partition information could not be found when loading a tape.

**ERROR\_DEVICE\_REINITIALIZATION\_NEEDED = 1164**

The indicated device requires re-initialization due to hardware errors.

**ERROR\_DEVICE\_REMOVED = 1617**

The device has been removed.

**ERROR\_DEVICEQUIRES\_CLEANING = 1165**

The device has indicated that cleaning is required before further operations are attempted.

**ERROR\_DEV\_NOT\_EXIST = 55**

The specified network resource or device is no longer available.

**ERROR\_DHCP\_ADDRESS\_CONFLICT = 4100**

The Dynamic Host Configuration Protocol (DHCP) client has obtained an IP address that is already in use on the network. The local interface will be disabled until the DHCP client can obtain a new address.

#### **ERROR\_DIFFERENT\_SERVICE\_ACCOUNT = 1079**

The account specified for this service is different from the account specified for other services running in the same process.

#### **ERROR\_DIRECTORY = 267**

The directory name is invalid.

#### **ERROR\_DIRECTORY\_NOT\_RM = 6803**

The specified directory does not contain a resource manager.

#### **ERROR\_DIRECT\_ACCESS\_HANDLE = 130**

Attempt to use a file handle to an open disk partition for an operation other than raw disk I/O.

#### **ERROR\_DIR\_EFS\_DISALLOWED = 6010**

The directory has been disabled for encryption.

#### **ERROR\_DIR\_NOT\_EMPTY = 145**

The directory is not empty.

#### **ERROR\_DIR\_NOT\_ROOT = 144**

The directory is not a subdirectory of the root directory.

#### **ERROR\_DISCARDED = 157**

The segment is already discarded and cannot be locked.

#### **ERROR\_DISK\_CHANGE = 107**

The program stopped because an alternate disk was not inserted.

#### **ERROR\_DISK\_CORRUPT = 1393**

The disk structure is corrupted and unreadable.

#### **ERROR\_DISK\_FULL = 112**

There is not enough space on the disk.

**ERROR\_DISK\_OPERATION\_FAILED = 1127**

While accessing the hard disk, a disk operation failed even after retries.

**ERROR\_DISK\_QUOTA\_EXCEEDED = 1295**

An operation failed because the storage quota was exceeded.

**ERROR\_DISK recalibrate FAILED = 1126**

While accessing the hard disk, a recalibrate operation failed, even after retries.

**ERROR\_DISK\_REPAIR\_DISABLED = 780**

The attempted operation required self-healing to be enabled.

**ERROR\_DISK\_RESET\_FAILED = 1128**

While accessing the hard disk, a disk controller reset was needed, but that also failed.

**ERROR\_DISK\_TOO\_FRAGMENTED = 302**

The volume is too fragmented to complete this operation.

**ERROR\_DLL\_INIT\_FAILED = 1114**

A DLL initialization routine failed.

**ERROR\_DLL\_INIT\_FAILED\_LOGOFF = 624**

{DLL Initialization Failed} The application failed to initialize because the window station is shutting down.

**ERROR\_DLL\_MIGHT\_BE\_INCOMPATIBLE = 687**

The application is loading executable code from the module %hs. This is secure, but might be incompatible with previous releases of the operating system. An alternative, %hs, is available. Should the application use the secure module %hs?

**ERROR\_DLL\_MIGHT\_BE\_INSECURE = 686**

The application is attempting to run executable code from the module %hs. This might be insecure. An alternative, %hs, is available. Should the application use the secure module %hs?

**ERROR\_DLL\_NOT\_FOUND = 1157**

One of the library files needed to run this application cannot be found.

**ERROR\_DOMAIN\_CONTROLLER\_EXISTS = 1250**

A domain controller with the specified name already exists.

**ERROR\_DOMAIN\_CONTROLLER\_NOT\_FOUND = 1908**

Could not find the domain controller for this domain.

**ERROR\_DOMAIN\_CTRLR\_CONFIG\_ERROR = 581**

A domain server has an incorrect configuration.

**ERROR\_DOMAIN\_EXISTS = 1356**

The specified domain already exists.

**ERROR\_DOMAIN\_LIMIT\_EXCEEDED = 1357**

An attempt was made to exceed the limit on the number of domains per server.

**ERROR\_DOMAIN\_TRUST\_INCONSISTENT = 1810**

The name or SID of the domain specified is inconsistent with the trust information for that domain.

**ERROR\_DOWNGRADE\_DETECTED = 1265**

The system detected a possible attempt to compromise security. Ensure that you can contact the server that authenticated you.

**ERROR\_DRIVERS\_LEAKING\_LOCKED\_PAGES = 729**

A device driver is leaking locked I/O pages, causing system degradation. The system has automatically enabled a tracking code to try and catch the culprit.

**ERROR\_DRIVER\_BLOCKED = 1275**

This driver has been blocked from loading.

**ERROR\_DRIVER\_CANCEL\_TIMEOUT = 594**

{Cancel Timeout} The driver %hs failed to complete a canceled I/O request in the allotted time.

**ERROR\_DRIVER\_DATABASE\_ERROR = 652**

There was an error [%2] processing the driver database.

**ERROR\_DRIVER\_FAILED\_PRIOR\_UNLOAD = 654**

The driver could not be loaded because a previous version of the driver is still in memory.

**ERROR\_DRIVER\_FAILED\_SLEEP = 633**

{System Standby Failed} The driver %hs does not support standby mode. Updating this driver might allow the system to go to standby mode.

**ERROR\_DRIVER\_PROCESS\_TERMINATED = 1291**

The process hosting the driver for this device has been terminated.

**ERROR\_DRIVE\_LOCKED = 108**

The disk is in use or locked by another process.

**ERROR\_DRIVE\_MEDIA\_MISMATCH = 4303**

The drive and medium are not compatible, or they exist in different libraries.

**ERROR\_DS\_ADD\_REPLICA\_INHIBITED = 8302**

The add replica operation cannot be performed. The naming context must be writable to create the replica.

**ERROR\_DS\_ADMIN\_LIMIT\_EXCEEDED = 8228**

The administrative limit for this request was exceeded.

**ERROR\_DS\_AFFECTS\_MULTIPLE\_DSAS = 8249**

The operation affects multiple DSAs.

**ERROR\_DS\_AG\_CANT\_HAVE\_UNIVERSAL\_MEMBER = 8578**

An account group cannot have a universal group as a member.

**ERROR\_DS\_ALIASED\_OBJ\_MISSING = 8334**

The aliased object is missing.

**ERROR\_DS\_ALIAS\_DEREF\_PROBLEM = 8244**

There is an alias dereferencing problem.

**ERROR\_DS\_ALIAS\_POINTS\_TO\_ALIAS = 8336**

An alias is not permitted to refer to another alias.

**ERROR\_DS\_ALIAS\_PROBLEM = 8241**

There is an alias problem.

**ERROR\_DS\_ATTRIBUTE\_OR\_VALUE\_EXISTS = 8205**

The specified directory service attribute or value already exists.

**ERROR\_DS\_ATTRIBUTE OWNED\_BY\_SAM = 8346**

Access to the attribute is not permitted because the attribute is owned by the SAM.

**ERROR\_DS\_ATTRIBUTE\_TYPE\_UNDEFINED = 8204**

The attribute type specified to the directory service is not defined.

**ERROR\_DS\_ATT\_ALREADY\_EXISTS = 8318**

The specified attribute is already present on the object.

**ERROR\_DS\_ATT\_IS\_NOT\_ON\_OBJ = 8310**

The attribute specified in the operation is not present on the object.

**ERROR\_DS\_ATT\_NOT\_DEF\_FOR\_CLASS = 8317**

An attempt was made to modify an object to include an attribute that is not legal for its class.

**ERROR\_DS\_ATT\_NOT\_DEF\_IN\_SCHEMA = 8303**

A reference to an attribute that is not defined in the schema occurred.

**ERROR\_DS\_ATT\_SCHEMA\_REQ\_ID = 8399**

Cannot read the governs class identifier for the schema record.

**ERROR\_DS\_ATT\_SCHEMA\_REQ\_SYNTAX = 8416**

Failed to obtain the required syntax for the attribute schema.

**ERROR\_DS\_ATT\_VAL\_ALREADY\_EXISTS = 8323**

The specified value already exists.

**ERROR\_DS\_AUDIT\_FAILURE = 8625**

A required audit event could not be generated for the operation.

**ERROR\_DS\_AUTHORIZATION\_FAILED = 8599**

The directory service failed to authorize the request.

**ERROR\_DS\_AUTH\_METHOD\_NOT\_SUPPORTED = 8231**

The requested authentication method is not supported by the server.

**ERROR\_DS\_AUTH\_UNKNOWN = 8234**

The authentication mechanism is unknown.

**ERROR\_DS\_AUX\_CLS\_TEST\_FAIL = 8389**

Schema update failed: Class in the Aux Class list does not exist or is not an auxiliary class.

**ERROR\_DS\_BACKLINK\_WITHOUT\_LINK = 8482**

The schema update operation tried to add a backward link attribute that has no corresponding forward link.

**ERROR\_DS\_BAD\_ATT\_SCHEMA\_SYNTAX = 8400**

The attribute schema has bad syntax.

**ERROR\_DS\_BAD\_HIERARCHY\_FILE = 8425**

The hierarchy file is invalid.

**ERROR\_DS\_BAD\_INSTANCE\_TYPE = 8313**

The specified instance type is not valid.

**ERROR\_DS\_BAD\_NAME\_SYNTAX = 8335**

The object name has bad syntax.

**ERROR\_DS\_BAD\_RDN\_ATT\_ID\_SYNTAX = 8392**

Schema update failed: Rdn-Att-Id has wrong syntax.

**ERROR\_DS\_BUILD\_HIERARCHY\_TABLE\_FAILED = 8426**

The attempt to build the hierarchy table failed.

**ERROR\_DS\_BUSY = 8206**

The directory service is busy.

**ERROR\_DS\_CANT\_ACCESS\_REMOTE\_PART\_OF\_AD = 8585**

Could not access a partition of the directory service located on a remote server. Make sure at least one server is running for the partition in question.

**ERROR\_DS\_CANT\_ADD\_ATT\_VALUES = 8320**

The specified attribute is not present, or has no values.

**ERROR\_DS\_CANT\_ADD\_SYSTEM\_ONLY = 8358**

It is not permitted to add an attribute that is owned by the system.

**ERROR\_DS\_CANT\_ADD\_TO\_GC = 8550**

The attribute is not allowed to be replicated to the GC because of security reasons.

**ERROR\_DS\_CANT\_CACHE\_ATT = 8401**

The attribute could not be cached.

**ERROR\_DS\_CANT\_CACHE\_CLASS = 8402**

The class could not be cached.

**ERROR\_DS\_CANT\_CREATE\_IN\_NONDOMAIN\_NC = 8553**

Security principal objects can only be created inside domain naming contexts.

**ERROR\_DS\_CANT\_CREATE\_UNDER\_SCHEMA = 8510**

An object of this class cannot be created under the schema container. You can only create Attribute-Schema and Class-Schema objects under the schema container.

**ERROR\_DS\_CANT\_DELETE = 8398**

The requested delete operation could not be performed.

**ERROR\_DS\_CANT\_DELETE\_DSA\_OBJ = 8340**

The DSA object cannot be deleted.

**ERROR\_DS\_CANT\_DEL\_MASTER\_CROSSREF = 8375**

It is not permitted to delete a master cross-reference.

**ERROR\_DS\_CANT\_DEMOTE\_WITH\_WRITEABLE\_NC = 8604**

Writable NCs prevent this DC from demoting.

**ERROR\_DS\_CANT\_DEREF\_ALIAS = 8337**

The alias cannot be dereferenced.

**ERROR\_DS\_CANT\_DERIVE\_SPN\_FOR\_DELETED\_DOMAIN = 8603**

The directory service cannot derive an SPN with which to mutually authenticate the target server because the server's domain has been deleted from the forest.

**ERROR\_DS\_CANT\_DERIVE\_SPN\_WITHOUT\_SERVER\_REF = 8589**

The directory service cannot derive an SPN with which to mutually authenticate the target server because the corresponding server object in the local DS database has noserverReferenceattribute.

**ERROR\_DS\_CANT\_FIND\_DC\_FOR\_SRC\_DOMAIN = 8537**

The operation could not locate a DC for the source domain.

**ERROR\_DS\_CANT\_FIND\_DSA\_OBJ = 8419**

The DSA object could not be found.

**ERROR\_DS\_CANT\_FIND\_EXPECTED\_NC = 8420**

The naming context could not be found.

**ERROR\_DS\_CANT\_FIND\_NC\_IN\_CACHE = 8421**

The naming context could not be found in the cache.

**ERROR\_DS\_CANT\_MIX\_MASTER\_AND\_REPS = 8331**

The object and parent must be of the same type, either both masters or both replicas.

**ERROR\_DS\_CANT\_MOD\_OBJ\_CLASS = 8215**

The directory service detected an attempt to modify the object class of an object.

**ERROR\_DS\_CANT\_MOD\_PRIMARYGROUPID = 8506**

Cannot change the primary group ID of a domain controller account.

**ERROR\_DS\_CANT\_MOD\_SYSTEM\_ONLY = 8369**

The attribute cannot be modified because it is owned by the system.

**ERROR\_DS\_CANT\_MOVE\_ACCOUNT\_GROUP = 8498**

Cross-domain moves of nonempty account groups is not allowed.

**ERROR\_DS\_CANT\_MOVE\_APP\_BASIC\_GROUP = 8608**

Cross-domain moves of nonempty basic application groups is not allowed.

**ERROR\_DS\_CANT\_MOVE\_APP\_QUERY\_GROUP = 8609**

Cross-domain moves of nonempty query-based application groups is not allowed.

**ERROR\_DS\_CANT\_MOVE\_DELETED\_OBJECT = 8489**

The object being moved across domains is already known to be deleted by the destination server. The source server does not have the latest version of the source object.

**ERROR\_DS\_CANT\_MOVE\_RESOURCE\_GROUP = 8499**

Cross-domain moves of nonempty resource groups is not allowed.

**ERROR\_DS\_CANT\_ON\_NON\_LEAF = 8213**

The directory service can perform the requested operation only on a leaf object.

**ERROR\_DS\_CANT\_ON\_RDN = 8214**

The directory service cannot perform the requested operation on the relative distinguished name (RDN) attribute of an object.

**ERROR\_DS\_CANT\_REMOVE\_ATT\_CACHE = 8403**

The attribute could not be removed from the cache.

**ERROR\_DS\_CANT\_REMOVE\_CLASS\_CACHE = 8404**

The class could not be removed from the cache.

**ERROR\_DS\_CANT\_Rem\_MISSING\_ATT = 8324**

The attribute cannot be removed because it is not present on the object.

**ERROR\_DS\_CANT\_Rem\_MISSING\_ATT\_VAL = 8325**

The attribute value cannot be removed because it is not present on the object.

**ERROR\_DS\_CANT\_REPLACE\_HIDDEN\_REC = 8424**

The operation cannot replace the hidden record.

**ERROR\_DS\_CANT\_RETRIEVE\_ATTS = 8481**

The search failed to retrieve attributes from the database.

**ERROR\_DS\_CANT\_RETRIEVE\_CHILD = 8422**

The child object could not be retrieved.

**ERROR\_DS\_CANT\_RETRIEVE\_DN = 8405**

The distinguished name attribute could not be read.

**ERROR\_DS\_CANT\_RETRIEVE\_INSTANCE = 8407**

The instance type attribute could not be retrieved.

**ERROR\_DS\_CANT\_RETRIEVE\_SD = 8526**

The Security Descriptor attribute could not be read.

**ERROR\_DS\_CANT\_START = 8531**

Directory Service cannot start.

**ERROR\_DS\_CANT\_TREE\_DELETE\_CRITICAL\_OBJ = 8560**

Critical directory service system objects cannot be deleted during tree deletion operations. The tree deletion might have been partially performed.

**ERROR\_DS\_CANT\_WITH\_ACCT\_GROUP\_MEMBERSHPS = 8493**

Cannot move objects with memberships across domain boundaries because, once moved, this violates the membership conditions of the account group. Remove the object from any account group memberships and retry.

**ERROR\_DS\_CHILDREN\_EXIST = 8332**

The operation cannot be performed because child objects exist. This operation can only be performed on a leaf object.

**ERROR\_DS\_CLASS\_MUST\_BE\_CONCRETE = 8359**

The class of the object must be structural; you cannot instantiate an abstract class.

**ERROR\_DS\_CLASS\_NOT\_DSA = 8343**

The object must be of class DSA.

**ERROR\_DS\_CLIENT\_LOOP = 8259**

A referral loop was detected by the client.

**ERROR\_DS\_CODE\_INCONSISTENCY = 8408**

An internal error has occurred.

**ERROR\_DS\_COMPARE\_FALSE = 8229**

The compare response was false.

**ERROR\_DS\_COMPARE\_TRUE = 8230**

The compare response was true.

**ERROR\_DS\_CONFIDENTIALITY\_REQUIRED = 8237**

This request requires a secure connection.

**ERROR\_DS\_CONFIG\_PARAM\_MISSING = 8427**

The directory configuration parameter is missing from the registry.

**ERROR\_DS\_CONSTRAINT\_VIOLATION = 8239**

A constraint violation occurred.

**ERROR\_DS\_CONSTRUCTED\_ATT\_MOD = 8475**

Modification of a constructed attribute is not allowed.

**ERROR\_DS\_CONTROL\_NOT\_FOUND = 8258**

The specified control is not supported by the server.

**ERROR\_DS\_COULDNT\_CONTACT\_FSMO = 8367**

The requested Flexible Single Master Operations (FSMO) operation failed. The current FSMO holder could not be contacted.

**ERROR\_DS\_COULDNT\_IDENTIFY\_OBJECTS\_FOR\_TREE\_DELETE = 8503**

The directory service failed to identify the list of objects to delete while attempting a tree deletion.

**ERROR\_DS\_COULDNT\_LOCK\_TREE\_FOR\_DELETE = 8502**

The directory service failed to lock a tree in preparation for a tree deletion because the tree was in use.

**ERROR\_DS\_COULDNT\_UPDATE\_SPNS = 8525**

While processing a change to the DNS host name for an object, the SPN values could not be kept in sync.

**ERROR\_DS\_COUNTING\_AB\_INDICES\_FAILED = 8428**

The attempt to count the address book indices failed.

**ERROR\_DS\_CROSS\_DOMAIN\_CLEANUP\_REQD = 8491**

A cross-domain move operation failed because two versions of the moved object exist—one each in the source and destination domains. The destination object needs to be removed to restore the system to a consistent state.

**ERROR\_DS\_CROSS\_DOM\_MOVE\_ERROR = 8216**

The requested cross-domain move operation could not be performed.

**ERROR\_DS\_CROSS\_NC\_DN\_RENAME = 8368**

Modification of a distinguished name across a naming context is not permitted.

**ERROR\_DS\_CROSS\_REF\_BUSY = 8602**

A cross-reference is in use locally with the same name.

**ERROR\_DS\_CROSS\_REF\_EXISTS = 8374**

A cross-reference already exists.

**ERROR\_DS\_CR\_IMPOSSIBLE\_TO\_VALIDATE = 8495**

The directory cannot validate the proposed naming context name because it does not hold a replica of the naming context above the proposed naming context. Ensure that the domain naming master role is held by a server that is configured as a GC server, and that the server is up-to-date with its replication partners. (Applies only to Windows 2000 operating system domain naming masters.)

**ERROR\_DS\_CR\_IMPOSSIBLE\_TO\_VALIDATE\_V2 = 8586**

The directory cannot validate the proposed naming context (or partition) name because it does not hold a replica, nor can it contact a replica of the naming context above the proposed naming context. Ensure that the parent naming context is properly registered in the DNS, and at least one replica of this naming context is reachable by the domain naming master.

**ERROR\_DS\_DATABASE\_ERROR = 8409**

A database error has occurred.

**ERROR\_DS\_DECODING\_ERROR = 8253**

A decoding error has occurred.

**ERROR\_DS\_DESTINATION\_AUDITING\_NOT\_ENABLED = 8536**

The operation requires that destination domain auditing be enabled.

**ERROR\_DS\_DESTINATION\_DOMAIN\_NOT\_IN\_FOREST = 8535**

The destination domain MUST be in the forest.

**ERROR\_DS\_DIFFERENT\_REPL\_EPOCHS = 8593**

The directory service cannot perform the requested operation because the servers involved are of different replication epochs (which is usually related to a domain rename that is in progress).

**ERROR\_DS\_DISALLOWED\_IN\_SYSTEM\_CONTAINER = 8615**

The requested operation is not allowed on an object under the system container.

**ERROR\_DS\_DNS\_LOOKUP\_FAILURE = 8524**

The DSA operation is unable to proceed because of a DNS lookup failure.

**ERROR\_DS\_DOMAIN\_RENAME\_IN\_PROGRESS = 8612**

The directory service cannot perform the requested operation because a domain rename operation is in progress.

**ERROR\_DS\_DOMAIN\_VERSION\_TOO\_HIGH = 8564**

The version of the operating system installed is incompatible with the current domain functional level. You must upgrade to a new version of the operating system before this server can become a domain controller in this domain.

**ERROR\_DS\_DOMAIN\_VERSION\_TOO\_LOW = 8566**

The version of the operating system installed on this server no longer supports the current domain functional level. You must raise the domain functional level before this server can become a domain controller in this domain.

**ERROR\_DS\_DRA\_ABANDON\_SYNC = 8462**

The replication synchronization attempt was abandoned because of a lack of updates.

**ERROR\_DS\_DRA\_ACCESS\_DENIED = 8453**

Replication access was denied.

**ERROR\_DS\_DRA\_BAD\_DN = 8439**

The DN specified for this replication operation is invalid.

**ERROR\_DS\_DRA\_BAD\_INSTANCE\_TYPE = 8445**

The replication operation encountered an object with an invalid instance type.

**ERROR\_DS\_DRA\_BAD\_NC = 8440**

The naming context specified for this replication operation is invalid.

**ERROR\_DS\_DRA\_BUSY = 8438**

The directory service is too busy to complete the replication operation at this time.

**ERROR\_DS\_DRA\_CONNECTION\_FAILED = 8444**

The server specified for this replication operation could not be contacted.

**ERROR\_DS\_DRA\_DB\_ERROR = 8451**

The replication operation encountered a database error.

**ERROR\_DS\_DRA\_DN\_EXISTS = 8441**

The DN specified for this replication operation already exists.

**ERROR\_DS\_DRA\_EARLIER\_SCHEMA\_CONFLICT = 8544**

The replication operation could not be completed due to a previous schema incompatibility.

**ERROR\_DS\_DRA\_EXTN\_CONNECTION\_FAILED = 8466**

The server specified for this replication operation was contacted, but that server was unable to contact an additional server needed to complete the operation.

**ERROR\_DS\_DRA\_GENERIC = 8436**

The replication operation failed.

**ERROR\_DS\_DRA\_INCOMPATIBLE\_PARTIAL\_SET = 8464**

A synchronization attempt failed because the destination DC is currently waiting to synchronize new partial attributes from the source. This condition is normal if a recent schema change modified the partial attribute set. The destination partial attribute set is not a subset of the source partial attribute set.

**ERROR\_DS\_DRA\_INCONSISTENT\_DIT = 8443**

The replication operation encountered a database inconsistency.

**ERROR\_DS\_DRA\_INTERNAL\_ERROR = 8442**

The replication system encountered an internal error.

**ERROR\_DS\_DRA\_INVALID\_PARAMETER = 8437**

An invalid parameter was specified for this replication operation.

**ERROR\_DS\_DRA\_MAIL\_PROBLEM = 8447**

The replication operation encountered an error with the mail system.

**ERROR\_DS\_DRA\_MISSING\_PARENT = 8460**

The replication operation failed because a required parent object is missing.

**ERROR\_DS\_DRA\_NAME\_COLLISION = 8458**

The replication operation failed due to a collision of object names.

**ERROR\_DS\_DRA\_NOT\_SUPPORTED = 8454**

The requested operation is not supported by this version of the directory service.

**ERROR\_DS\_DRA\_NO\_REPLICA = 8452**

The naming context is in the process of being removed or is not replicated from the specified server.

**ERROR\_DS\_DRA\_OBJ\_IS REP\_SOURCE = 8450**

The naming context cannot be removed because it is replicated to another server.

**ERROR\_DS\_DRA\_OBJ\_NC\_MISMATCH = 8545**

The replication update could not be applied because either the source or the destination has not yet received information regarding a recent cross-domain move operation.

**ERROR\_DS\_DRA\_OUT\_OF\_MEM = 8446**

The replication operation failed to allocate memory.

**ERROR\_DS\_DRA\_OUT\_SCHEDULE\_WINDOW = 8617**

The scheduled replication did not take place because the system was too busy to execute the request within the schedule window. The replication queue is overloaded. Consider reducing the number of partners or decreasing the scheduled replication frequency.

**ERROR\_DS\_DRA\_PREEMPTED = 8461**

The replication operation was preempted.

**ERROR\_DS\_DRA\_RECYCLED\_TARGET = 8639**

The replication operation failed because the target object referenced by a link value is recycled.

**ERROR\_DS\_DRA\_REF\_ALREADY\_EXISTS = 8448**

The replication reference information for the target server already exists.

**ERROR\_DS\_DRA\_REF\_NOT\_FOUND = 8449**

The replication reference information for the target server does not exist.

**ERROR\_DS\_DRA\_REPL\_PENDING = 8477**

The replication request has been posted; waiting for a reply.

**ERROR\_DS\_DRA\_RPC\_CANCELLED = 8455**

The replication RPC was canceled.

**ERROR\_DS\_DRA\_SCHEMA\_CONFLICT = 8543**

The replication operation could not be completed due to a schema incompatibility.

**ERROR\_DS\_DRA\_SCHEMA\_INFO\_SHIP = 8542**

Schema information could not be included in the replication request.

**ERROR\_DS\_DRA\_SCHEMA\_MISMATCH = 8418**

The replication operation failed because of a schema mismatch between the servers involved.

**ERROR\_DS\_DRA\_SHUTDOWN = 8463**

The replication operation was terminated because the system is shutting down.

**ERROR\_DS\_DRA\_SINK\_DISABLED = 8457**

The destination server is currently rejecting replication requests.

**ERROR\_DS\_DRA\_SOURCE\_DISABLED = 8456**

The source server is currently rejecting replication requests.

**ERROR\_DS\_DRA\_SOURCE\_IS\_PARTIAL\_REPLICA = 8465**

The replication synchronization attempt failed because a master replica attempted to sync from a partial replica.

**ERROR\_DS\_DRA\_SOURCE\_REINSTALLED = 8459**

The replication source has been reinstalled.

**ERROR\_DS\_DRS\_EXTENSIONS\_CHANGED = 8594**

The directory service binding must be renegotiated due to a change in the server extensions information.

**ERROR\_DS\_DSA\_MUST\_BE\_INT\_MASTER = 8342**

The operation can only be performed on an internal master DSA object.

**ERROR\_DS\_DST\_DOMAIN\_NOT\_NATIVE = 8496**

Destination domain must be in native mode.

**ERROR\_DS\_DST\_NC\_MISMATCH = 8486**

The source and destination for a cross-domain move do not agree on the naming contexts in the forest. Either the source or the destination does not have the latest version of the Partitions container.

**ERROR\_DS\_DS\_REQUIRED = 8478**

The requested operation requires a directory service, and none was available.

**ERROR\_DS\_DUPLICATE\_ID\_FOUND = 8605**

The requested object has a nonunique identifier and cannot be retrieved.

**ERROR\_DS\_DUP\_LDAP\_DISPLAY\_NAME = 8382**

Schema update failed: Duplicate LDAP display name.

**ERROR\_DS\_DUP\_LINK\_ID = 8468**

Schema update failed: An attribute with the same link identifier already exists.

**ERROR\_DS\_DUP\_MAPI\_ID = 8380**

Schema update failed: Duplicate Message Application Programming Interface (MAPI) identifier.

**ERROR\_DS\_DUP\_MSDS\_INTID = 8597**

Schema update failed: Duplicate msDS-IntId. Retry the operation.

**ERROR\_DS\_DUP\_OID = 8379**

Schema update failed: Duplicate OID.

**ERROR\_DS\_DUP\_RDN = 8378**

Schema update failed: Duplicate RDN.

**ERROR\_DS\_DUP\_SCHEMA\_ID\_GUID = 8381**

Schema update failed: Duplicate schema ID GUID.

**ERROR\_DS\_ENCODING\_ERROR = 8252**

An encoding error has occurred.

**ERROR\_DS\_EPOCH\_MISMATCH = 8483**

The source and destination of a cross-domain move do not agree on the object's epoch number. Either the source or the destination does not have the latest version of the object.

**ERROR\_DS\_EXISTING\_AD\_CHILD\_NC = 8613**

The directory service detected a child partition below the requested partition name. The partition hierarchy must be created in a top down method.

**ERROR\_DS\_EXISTS\_IN\_AUX\_CLS = 8393**

Schema deletion failed: Class is used as an auxiliary class.

**ERROR\_DS\_EXISTS\_IN\_MAY\_HAVE = 8386**

Schema deletion failed: Attribute is used in the May-Contain list.

**ERROR\_DS\_EXISTS\_IN\_MUST\_HAVE = 8385**

Schema deletion failed: Attribute is used in the Must-Contain list.

**ERROR\_DS\_EXISTS\_IN\_POSS\_SUP = 8395**

Schema deletion failed: Class is used as a Poss-Superior.

**ERROR\_DS\_EXISTS\_IN\_RDNATTID = 8598**

Schema deletion failed: Attribute is used in rDNAttID.

**ERROR\_DS\_EXISTS\_IN\_SUB\_CLS = 8394**

Schema deletion failed: Class is used as a subclass.

**ERROR\_DS\_FILTER\_UNKNOWN = 8254**

The search filter cannot be recognized.

**ERROR\_DS\_FILTERUSES\_CONTRUCTED\_ATTRS = 8555**

A filter was passed that uses constructed attributes.

**ERROR\_DS\_FOREST\_VERSION\_TOO\_HIGH = 8563**

The version of the operating system installed is incompatible with the current forest functional level. You must upgrade to a new version of the operating system before this server can become a domain controller in this forest.

**ERROR\_DS\_FOREST\_VERSION\_TOO\_LOW = 8565**

The version of the operating system installed on this server no longer supports the current forest functional level. You must raise the forest functional level before this server can become a domain controller in this forest.

**ERROR\_DS\_GCVERIFY\_ERROR = 8417**

The GC verification failed. The GC is not available or does not support the operation. Some part of the directory is currently not available.

**ERROR\_DS\_GC\_NOT\_AVAILABLE = 8217**

Unable to contact the global catalog (GC) server.

**ERROR\_DS\_GC\_REQUIRED = 8547**

The requested operation can be performed only on a GC server.

**ERROR\_DS\_GENERIC\_ERROR = 8341**

A directory service error has occurred.

**ERROR\_DS\_GLOBAL\_CANT\_HAVE\_CROSSDOMAIN\_MEMBER = 8519**

A global group cannot have a cross-domain member.

**ERROR\_DS\_GLOBAL\_CANT\_HAVE\_LOCAL\_MEMBER = 8516**

A global group cannot have a local group as a member.

**ERROR\_DS\_GLOBAL\_CANT\_HAVE\_UNIVERSAL\_MEMBER = 8517**

A global group cannot have a universal group as a member.

**ERROR\_DS\_GOVERNSID\_MISSING = 8410**

The governsID attribute is missing.

**ERROR\_DS\_GROUP\_CONVERSION\_ERROR = 8607**

The group cannot be converted due to attribute restrictions on the requested group type.

**ERROR\_DS\_HAVE\_PRIMARY\_MEMBERS = 8521**

A group with primary members cannot change to a security-disabled group.

**ERROR\_DS\_HIERARCHY\_TABLE\_MALLOC\_FAILED = 8429**

The allocation of the hierarchy table failed.

**ERROR\_DS\_HIGH\_DSA\_VERSION = 8642**

The functional level of the domain (or forest) cannot be lowered to the requested value.

**ERROR\_DS\_ILLEGAL\_BASE\_SCHEMA\_MOD = 8507**

An attempt was made to modify the base schema.

**ERROR\_DS\_ILLEGAL\_MOD\_OPERATION = 8311**

Illegal modify operation. Some aspect of the modification is not permitted.

**ERROR\_DS\_ILLEGAL\_SUPERIOR = 8345**

The object cannot be added because the parent is not on the list of possible superiors.

## **ERROR\_DS\_ILLEGAL\_XDOM\_MOVE\_OPERATION = 8492**

This object cannot be moved across domain boundaries either because cross-domain moves for this class are not allowed, or the object has some special characteristics, for example, a trust account or a restricted relative identifier (RID), that prevent its move.

## **ERROR\_DS\_INAPPROPRIATE\_AUTH = 8233**

Inappropriate authentication.

## **ERROR\_DS\_INAPPROPRIATE\_MATCHING = 8238**

Inappropriate matching.

## **ERROR\_DS\_INCOMPATIBLE\_CONTROLS\_USED = 8574**

Unable to continue operation because multiple conflicting controls were used.

## **ERROR\_DS\_INCOMPATIBLE\_VERSION = 8567**

The version of the operating system installed on this server is incompatible with the functional level of the domain or forest.

## **ERROR\_DS\_INCORRECT\_ROLE\_OWNER = 8210**

The requested operation could not be performed because the directory service is not the master for that type of operation.

## **ERROR\_DS\_INIT\_FAILURE = 8532**

Directory Services could not start.

## **ERROR\_DS\_INIT\_FAILURE\_CONSOLE = 8561**

Directory Services could not start because of the following error: %1. Error Status: 0x%2. Click OK to shut down the system. You can use the Recovery Console to further diagnose the system.

## **ERROR\_DS\_INSTALL\_NO\_SCH\_VERSION\_IN\_INIFILE = 8512**

The replica or child install failed to read the objectVersion attribute in the SCHEMA section of the file schema.ini in the System32 directory.

## **ERROR\_DS\_INSTALL\_NO\_SRC\_SCH\_VERSION = 8511**

The replica or child install failed to get the objectVersion attribute on the schema container on the source DC. Either the attribute is missing on the schema container or the credentials supplied do not

have permission to read it.

**ERROR\_DS\_INSTALL\_SCHEMA\_MISMATCH = 8467**

The version of the directory service schema of the source forest is not compatible with the version of the directory service on this computer.

**ERROR\_DS\_INSUFFICIENT\_ATTR\_TO\_CREATE\_OBJECT = 8606**

Insufficient attributes were given to create an object. This object might not exist because it might have been deleted and the garbage already collected.

**ERROR\_DS\_INSUFF\_ACCESS\_RIGHTS = 8344**

Insufficient access rights to perform the operation.

**ERROR\_DS\_INTERNAL\_FAILURE = 8430**

The directory service encountered an internal failure.

**ERROR\_DS\_INVALID\_ATTRIBUTE\_SYNTAX = 8203**

The attribute syntax specified to the directory service is invalid.

**ERROR\_DS\_INVALID\_DMD = 8360**

The schema object could not be found.

**ERROR\_DS\_INVALID\_DN\_SYNTAX = 8242**

An invalid dn syntax has been specified.

**ERROR\_DS\_INVALID\_GROUP\_TYPE = 8513**

The specified group type is invalid.

**ERROR\_DS\_INVALID\_LDAP\_DISPLAY\_NAME = 8479**

The LDAP display name of the class or attribute contains non-ASCII characters.

**ERROR\_DS\_INVALID\_NAME\_FOR\_SPN = 8554**

An SPN could not be constructed because the provided host name is not in the necessary format.

**ERROR\_DS\_INVALID\_ROLE\_OWNER = 8366**

The role owner attribute could not be read.

**ERROR\_DS\_INVALID\_SCRIPT = 8600**

The directory service cannot process the script because it is invalid.

**ERROR\_DS\_INVALID\_SEARCH\_FLAG = 8500**

The search flags for the attribute are invalid. The ambiguous name resolution (ANR) bit is valid only on attributes of Unicode or Teletex strings.

**ERROR\_DS\_INVALID\_SEARCH\_FLAG\_SUBTREE = 8626**

The search flags for the attribute are invalid. The subtree index bit is valid only on single-valued attributes.

**ERROR\_DS\_INVALID\_SEARCH\_FLAG\_TUPLE = 8627**

The search flags for the attribute are invalid. The tuple index bit is valid only on attributes of Unicode strings.

**ERROR\_DS\_IS\_LEAF = 8243**

The object is a leaf object.

**ERROR\_DS\_KEY\_NOT\_UNIQUE = 8527**

The object requested was not found, but an object with that key was found.

**ERROR\_DS\_LDAP\_SEND\_QUEUE\_FULL = 8616**

The LDAP server's network send queue has filled up because the client is not processing the results of its requests fast enough. No more requests will be processed until the client catches up. If the client does not catch up then it will be disconnected.

**ERROR\_DS\_LINK\_ID\_NOT\_AVAILABLE = 8577**

Schema update failed: There are no link identifiers available.

**ERROR\_DS\_LOCAL\_CANT\_HAVE\_CROSSDOMAIN\_LOCAL\_MEMBER = 8520**

A local group cannot have another cross domain local group as a member.

**ERROR\_DS\_LOCAL\_ERROR = 8251**

A local error has occurred.

**ERROR\_DS\_LOCAL\_MEMBER\_OF\_LOCAL\_ONLY = 8548**

A local group can only be a member of other local groups in the same domain.

**ERROR\_DS\_LOOP\_DETECT = 8246**

A loop has been detected.

**ERROR\_DS\_LOW\_DSA\_VERSION = 8568**

The functional level of the domain (or forest) cannot be raised to the requested value because one or more domain controllers in the domain (or forest) are at a lower, incompatible functional level.

**ERROR\_DS\_MACHINE\_ACCOUNT\_CREATED\_PRENT4 = 8572**

The machine account was created before Windows NT 4.0. The account needs to be re-created.

**ERROR\_DS\_MACHINE\_ACCOUNT\_QUOTA\_EXCEEDED = 8557**

Your computer could not be joined to the domain. You have exceeded the maximum number of computer accounts you are allowed to create in this domain. Contact your system administrator to have this limit reset or increased.

**ERROR\_DS\_MASTERDSA\_REQUIRED = 8314**

The operation must be performed at a master DSA.

**ERROR\_DS\_MAX\_OBJ\_SIZE\_EXCEEDED = 8304**

The maximum size of an object has been exceeded.

**ERROR\_DS\_MEMBERSHIP\_EVALUATED\_LOCALLY = 8201**

The directory service evaluated group memberships locally.

**ERROR\_DS\_MISSING\_EXPECTED\_ATT = 8411**

An expected attribute is missing.

**ERROR\_DS\_MISSING\_FSMO\_SETTINGS = 8434**

The directory service is missing mandatory configuration information and is unable to determine the ownership of floating single-master operation roles.

**ERROR\_DS\_MISSING\_INFRASTRUCTURE\_CONTAINER = 8497**

The operation cannot be performed because the server does not have an infrastructure container in the domain of interest.

**ERROR\_DS\_MISSING\_REQUIRED\_ATT = 8316**

A required attribute is missing.

**ERROR\_DS\_MISSING\_SUPREF = 8406**

No superior reference has been configured for the directory service. The directory service is, therefore, unable to issue referrals to objects outside this forest.

**ERROR\_DS MODIFYDN\_DISALLOWED\_BY\_FLAG = 8581**

A system flag has been set on the object that does not allow the object to be moved or renamed.

**ERROR\_DS MODIFYDN\_DISALLOWED\_BY\_INSTANCE\_TYPE = 8579**

Rename or move operations on naming context heads or read-only objects are not allowed.

**ERROR\_DS MODIFYDN\_WRONG\_GRANDPARENT = 8582**

This object is not allowed to change its grandparent container. Moves are not forbidden on this object, but are restricted to sibling containers.

**ERROR\_DS\_MUST\_BE\_RUN\_ON\_DST\_DC = 8558**

For security reasons, the operation must be run on the destination DC.

**ERROR\_DS\_NAME\_ERROR\_DOMAIN\_ONLY = 8473**

Name translation: Unable to resolve completely, only the domain was found.

**ERROR\_DS\_NAME\_ERROR\_NOT\_FOUND = 8470**

Name translation: Could not find the name or insufficient right to see name.

**ERROR\_DS\_NAME\_ERROR\_NOT\_UNIQUE = 8471**

Name translation: Input name mapped to more than one output name.

**ERROR\_DS\_NAME\_ERROR\_NO\_MAPPING = 8472**

Name translation: The input name was found but not the associated output format.

**ERROR\_DS\_NAME\_ERROR\_NO\_SYNTACTICAL\_MAPPING = 8474**

Name translation: Unable to perform purely syntactical mapping at the client without going out to the wire.

**ERROR\_DS\_NAME\_ERROR\_RESOLVING = 8469**

Name translation: Generic processing error.

**ERROR\_DS\_NAME\_ERROR\_TRUST\_REFERRAL = 8583**

Unable to resolve completely; a referral to another forest was generated.

**ERROR\_DS\_NAME\_NOT\_UNIQUE = 8571**

The requested name already exists as a unique identifier.

**ERROR\_DS\_NAME\_REFERENCE\_INVALID = 8373**

The name reference is invalid.

**ERROR\_DS\_NAME\_TOO\_LONG = 8348**

The name is too long.

**ERROR\_DS\_NAME\_TOO\_MANY\_PARTS = 8347**

The name has too many parts.

**ERROR\_DS\_NAME\_TYPE\_UNKNOWN = 8351**

The directory service cannot get the attribute type for a name.

**ERROR\_DS\_NAME\_UNPARSEABLE = 8350**

The directory service encountered an error parsing a name.

**ERROR\_DS\_NAME\_VALUE\_TOO\_LONG = 8349**

The name value is too long.

**ERROR\_DS\_NAMING\_MASTER\_GC = 8523**

Only DSAs configured to be GC servers should be allowed to hold the domain naming master FSMO role. (Applies only to Windows 2000 servers.)

**ERROR\_DS\_NAMING\_VIOLATION = 8247**

There is a naming violation.

**ERROR\_DS\_NCNAME\_MISSING\_CR\_REF = 8412**

The specified naming context is missing a cross-reference.

**ERROR\_DS\_NCNAME\_MUST\_BE\_NC = 8357**

The object must be a naming context.

**ERROR\_DS\_NC\_MUST\_HAVE\_NC\_PARENT = 8494**

A naming context head must be the immediate child of another naming context head, not of an interior node.

**ERROR\_DS\_NC\_STILL\_HAS\_DSAS = 8546**

The requested domain could not be deleted because there exist domain controllers that still host this domain.

**ERROR\_DS\_NONEXISTENT\_MAY\_HAVE = 8387**

Schema update failed: Attribute in May-Contain list does not exist.

**ERROR\_DS\_NONEXISTENT\_MUST\_HAVE = 8388**

Schema update failed: Attribute in the Must-Contain list does not exist.

**ERROR\_DS\_NONEXISTENT\_POSS\_SUP = 8390**

Schema update failed: Class in the Poss-Superiors list does not exist.

**ERROR\_DS\_NONSAFE\_SCHEMA\_CHANGE = 8508**

Adding a new mandatory attribute to an existing class, deleting a mandatory attribute from an existing class, or adding an optional attribute to the special class Top that is not a backlink attribute (directly or through inheritance, for example, by adding or deleting an auxiliary class) is not allowed.

**ERROR\_DS\_NON\_ASQ\_SEARCH = 8624**

The requested search operation is not supported for attribute scoped query (ASQ) searches.

**ERROR\_DS\_NON\_BASE\_SEARCH = 8480**

The requested search operation is only supported for base searches.

**ERROR\_DS\_NOTIFY\_FILTER\_TOO\_COMPLEX = 8377**

Notification filter is too complex.

**ERROR\_DS\_NOT\_AN\_OBJECT = 8352**

The name does not identify an object; the name identifies a phantom.

**ERROR\_DS\_NOT\_AUTHORITIVE\_FOR\_DST\_NC = 8487**

The destination of a cross-domain move is not authoritative for the destination naming context.

**ERROR\_DS\_NOT\_CLOSEST = 8588**

The GC server is not in the closest site.

**ERROR\_DS\_NOT\_INSTALLED = 8200**

An error occurred while installing the directory service. For more information, see the event log.

**ERROR\_DS\_NOT\_ON\_BACKLINK = 8362**

The operation cannot be performed on a back link.

**ERROR\_DS\_NOT\_SUPPORTED = 8256**

The specified method is not supported.

**ERROR\_DS\_NOT\_SUPPORTED\_SORT\_ORDER = 8570**

The sort order requested is not supported.

**ERROR\_DS\_NO\_ATTRIBUTE\_OR\_VALUE = 8202**

The specified directory service attribute or value does not exist.

**ERROR\_DS\_NO\_BEHAVIOR\_VERSION\_IN\_MIXEDDOMAIN = 8569**

The forest functional level cannot be raised to the requested value because one or more domains are still in mixed-domain mode. All domains in the forest must be in native mode for you to raise the forest functional level.

**ERROR\_DS\_NO\_CHAINED\_EVAL = 8328**

Chained evaluation is not permitted.

**ERROR\_DS\_NO\_CHAINING = 8327**

Chaining is not permitted.

**ERROR\_DS\_NO\_CHECKPOINT\_WITH\_PDC = 8551**

The checkpoint with the PDC could not be taken because too many modifications are currently being processed.

**ERROR\_DS\_NO\_CROSSREF\_FOR\_NC = 8363**

The cross-reference for the specified naming context could not be found.

**ERROR\_DS\_NO\_DELETED\_NAME = 8355**

Failed to create name for deleted object.

**ERROR\_DS\_NO\_FPO\_IN\_UNIVERSAL\_GROUPS = 8549**

Foreign security principals cannot be members of universal groups.

**ERROR\_DS\_NO\_MORE\_RIDS = 8209**

The directory service has exhausted the pool of relative identifiers.

**ERROR\_DS\_NO\_MSDS\_INTID = 8596**

Schema update failed: No values for msDS-IntId are available.

**ERROR\_DS\_NO\_NEST\_GLOBALGROUP\_IN\_MIXEDDOMAIN = 8514**

You cannot nest global groups in a mixed domain if the group is security-enabled.

**ERROR\_DS\_NO\_NEST\_LOCALGROUP\_IN\_MIXEDDOMAIN = 8515**

You cannot nest local groups in a mixed domain if the group is security-enabled.

**ERROR\_DS\_NO\_NTDSA\_OBJECT = 8623**

The NTDS Settings object for the domain controller does not exist.

**ERROR\_DS\_NO\_OBJECT\_MOVE\_IN\_SCHEMA\_NC = 8580**

Move operations on objects in the schema naming context are not allowed.

**ERROR\_DS\_NO\_PARENT\_OBJECT = 8329**

The operation could not be performed because the object's parent is either uninstantiated or deleted.

**ERROR\_DS\_NO\_PKT\_PRIVACY\_ON\_CONNECTION = 8533**

The connection between client and server requires packet privacy or better.

**ERROR\_DS\_NO\_RDN\_DEFINED\_IN\_SCHEMA = 8306**

An attempt was made to add an object of a class that does not have an RDN defined in the schema.

**ERROR\_DS\_NO\_REF\_DOMAIN = 8575**

Unable to find a valid security descriptor reference domain for this partition.

**ERROR\_DS\_NO\_REQUESTED\_ATTS\_FOUND = 8308**

None of the requested attributes were found on the objects.

**ERROR\_DS\_NO\_RESULTS\_RETURNED = 8257**

No results were returned.

**ERROR\_DS\_NO\_RIDS\_ALLOCATED = 8208**

The directory service was unable to allocate a relative identifier.

**ERROR\_DS\_NO\_SERVER\_OBJECT = 8622**

The server object for the domain controller does not exist.

**ERROR\_DS\_NO\_SUCH\_OBJECT = 8240**

There is no such object on the server.

**ERROR\_DS\_NO\_TREE\_DELETE\_ABOVE\_NC = 8501**

Tree deletions starting at an object that has an NC head as a descendant are not allowed.

**ERROR\_DS\_NTDSRIPT\_PROCESS\_ERROR = 8592**

The directory service cannot process the script because of an error.

**ERROR\_DS\_NTDSRIPT\_SYNTAX\_ERROR = 8591**

The directory service cannot parse the script because of a syntax error.

**ERROR\_DS\_OBJECT\_BEING\_REMOVED = 8339**

The operation cannot continue because the object is in the process of being removed.

**ERROR\_DS\_OBJECT\_CLASS\_REQUIRED = 8315**

The object class attribute must be specified.

**ERROR\_DS\_OBJECT\_RESULTS\_TOO\_LARGE = 8248**

The result set is too large.

**ERROR\_DS\_OBJ\_CLASS\_NOT\_DEFINED = 8371**

The specified class is not defined.

**ERROR\_DS\_OBJ\_CLASS\_NOT\_SUBCLASS = 8372**

The specified class is not a subclass.

**ERROR\_DS\_OBJ\_CLASS\_VIOLATION = 8212**

The requested operation did not satisfy one or more constraints associated with the class of the object.

**ERROR\_DS\_OBJ\_GUID\_EXISTS = 8361**

A local object with this GUID (dead or alive) already exists.

**ERROR\_DS\_OBJ\_NOT\_FOUND = 8333**

Directory object not found.

**ERROR\_DS\_OBJ\_STRING\_NAME\_EXISTS = 8305**

An attempt was made to add an object to the directory with a name that is already in use.

**ERROR\_DS\_OBJ\_TOO\_LARGE = 8312**

The specified object is too large.

**ERROR\_DS\_OFFSET\_RANGE\_ERROR = 8262**

The search results exceed the offset range specified.

**ERROR\_DS\_OPERATIONS\_ERROR = 8224**

An operations error occurred.

**ERROR\_DS\_OUT\_OF\_SCOPE = 8338**

The operation is out of scope.

**ERROR\_DS\_OUT\_OF\_VERSION\_STORE = 8573**

The database is out of version store.

**ERROR\_DS\_PARAM\_ERROR = 8255**

One or more parameters are illegal.

**ERROR\_DS\_PARENT\_IS\_AN\_ALIAS = 8330**

Having a parent that is an alias is not permitted. Aliases are leaf objects.

**ERROR\_DS\_PDC\_OPERATION\_IN\_PROGRESS = 8490**

Another operation that requires exclusive access to the PDC FSMO is already in progress.

**ERROR\_DS\_POLICY\_NOT\_KNOWN = 8618**

At this time, it cannot be determined if the branch replication policy is available on the hub domain controller. Retry at a later time to account for replication latencies.

**ERROR\_DS\_PROTOCOL\_ERROR = 8225**

A protocol error occurred.

**ERROR\_DS\_RANGE\_CONSTRAINT = 8322**

A value for the attribute was not in the acceptable range of values.

**ERROR\_DS\_RDN\_DOESNT\_MATCH\_SCHEMA = 8307**

An attempt was made to add an object using an RDN that is not the RDN defined in the schema.

**ERROR\_DS\_RECALCSHEMA\_FAILED = 8396**

Schema update failed in recalculating validation cache.

**ERROR\_DS\_REFERRAL = 8235**

A referral was returned from the server.

**ERROR\_DS\_REFERRAL\_LIMIT\_EXCEEDED = 8260**

The preset referral limit was exceeded.

**ERROR\_DS\_REFUSING\_FSMO\_ROLES = 8433**

This directory server is shutting down, and cannot take ownership of new floating single-master operation roles.

**ERROR\_DS\_REMOTE\_CROSSREF\_OP\_FAILED = 8601**

The remote create cross-reference operation failed on the domain naming master FSMO. The operation's error is in the extended data.

**ERROR\_DS\_REPLICATOR\_ONLY = 8370**

Only the replicator can perform this function.

**ERROR\_DS\_REPLICA\_SET\_CHANGE\_NOT\_ALLOWED\_ON\_DISABLED\_CR = 8595**

The operation is not allowed on a disabled cross-reference.

**ERROR\_DS\_REPL\_LIFETIME\_EXCEEDED = 8614**

The directory service cannot replicate with this server because the time since the last replication with this server has exceeded the tombstone lifetime.

**ERROR\_DS\_RESERVED\_LINK\_ID = 8576**

Schema update failed: The link identifier is reserved.

**ERROR\_DS RIDMGR\_INIT\_ERROR = 8211**

The directory service was unable to initialize the subsystem that allocates relative identifiers.

**ERROR\_DS\_ROLE\_NOT\_VERIFIED = 8610**

The FSMO role ownership could not be verified because its directory partition did not replicate successfully with at least one replication partner.

**ERROR\_DS\_ROOT\_CANT\_BE\_SUBREF = 8326**

The specified root object cannot be a subreference.

**ERROR\_DS\_ROOT\_MUST\_BE\_NC = 8301**

The root object must be the head of a naming context. The root object cannot have an instantiated parent.

**ERROR\_DS\_ROOT\_REQUIRES\_CLASS\_TOP = 8432**

A root object requires a class of "top".

**ERROR\_DS\_SAM\_INIT\_FAILURE = 8504**

SAM initialization failed because of the following error: %1. Error Status: 0x%2. Click OK to shut down the system and reboot into Directory Services Restore Mode. Check the event log for detailed information.

**ERROR\_DS\_SAM\_INIT\_FAILURE\_CONSOLE = 8562**

SAM initialization failed because of the following error: %1. Error Status: 0x%2. Click OK to shut down the system. You can use the Recovery Console to further diagnose the system.

**ERROR\_DS\_SAM\_NEED\_BOOTKEY\_FLOPPY = 8530**

SAM needs to get the boot key from the floppy disk.

**ERROR\_DS\_SAM\_NEED\_BOOTKEY\_PASSWORD = 8529**

SAM needs to get the boot password.

**ERROR\_DS\_SCHEMA\_ALLOC\_FAILED = 8415**

Schema allocation failed. Check if the machine is running low on memory.

**ERROR\_DS\_SCHEMA\_NOT\_LOADED = 8414**

The schema is not loaded.

**ERROR\_DS\_SCHEMA\_UPDATE\_DISALLOWED = 8509**

Schema update is not allowed on this DC because the DC is not the schema FSMO role owner.

**ERROR\_DS\_SECURITY\_CHECKING\_ERROR = 8413**

A security checking error has occurred.

**ERROR\_DS\_SECURITY\_ILLEGAL MODIFY = 8423**

The modification was not permitted for security reasons.

**ERROR\_DS\_SEC\_DESC\_INVALID = 8354**

The security descriptor is invalid.

**ERROR\_DS\_SEC\_DESC\_TOO\_SHORT = 8353**

The security descriptor is too short.

**ERROR\_DS\_SEMANTIC\_ATT\_TEST = 8383**

Schema update failed: Range-Lower less than Range-Upper.

**ERROR\_DS\_SENSITIVE\_GROUP\_VIOLATION = 8505**

Only an administrator can modify the membership list of an administrative group.

**ERROR\_DS\_SERVER\_DOWN = 8250**

The server is not operational.

**ERROR\_DS\_SHUTTING\_DOWN = 8364**

The operation could not be performed because the directory service is shutting down.

**ERROR\_DS\_SINGLE\_USER\_MODE\_FAILED = 8590**

The directory service failed to enter single-user mode.

**ERROR\_DS\_SINGLE\_VALUE\_CONSTRAINT = 8321**

Multiple values were specified for an attribute that can have only one value.

**ERROR\_DS\_SIZELIMIT\_EXCEEDED = 8227**

The size limit for this request was exceeded.

**ERROR\_DS\_SORT\_CONTROL\_MISSING = 8261**

The search requires a SORT control.

**ERROR\_DS\_SOURCE\_AUDITING\_NOT\_ENABLED = 8552**

The operation requires that source domain auditing be enabled.

**ERROR\_DS\_SOURCE\_DOMAIN\_IN\_FOREST = 8534**

The source domain cannot be in the same forest as the destination.

**ERROR\_DS\_SPN\_VALUE\_NOT\_UNIQUE\_IN\_FOREST = 8647**

The operation failed because the SPN value provided for addition/modification is not unique forest-wide.

**ERROR\_DS\_SRC\_AND\_DST\_NC\_IDENTICAL = 8485**

The source and destination for the cross-domain move operation are identical. The caller should use a local move operation instead of a cross-domain move operation.

**ERROR\_DS\_SRC\_AND\_DST\_OBJECT\_CLASS\_MISMATCH = 8540**

The source and destination object must be of the same type.

**ERROR\_DS\_SRC\_DC\_MUST\_BE\_SP4\_OR\_GREATER = 8559**

For security reasons, the source DC must be NT4SP4 or greater.

**ERROR\_DS\_SRC\_GUID\_MISMATCH = 8488**

The source and destination of a cross-domain move do not agree on the identity of the source object. Either the source or the destination does not have the latest version of the source object.

**ERROR\_DS\_SRC\_NAME\_MISMATCH = 8484**

The source and destination of a cross-domain move do not agree on the object's current name. Either the source or the destination does not have the latest version of the object.

**ERROR\_DS\_SRC\_OBJ\_NOT\_GROUP\_OR\_USER = 8538**

The source object must be a group or user.

**ERROR\_DS\_SRC\_SID\_EXISTS\_IN\_FOREST = 8539**

The source object's SID already exists in the destination forest.

**ERROR\_DS\_STRING\_SD\_CONVERSION\_FAILED = 8522**

The schema cache load failed to convert the string default security descriptor (SD) on a class-schema object.

**ERROR\_DS\_STRONG\_AUTH\_REQUIRED = 8232**

A more secure authentication method is required for this server.

**ERROR\_DS\_SUBREF\_MUST\_HAVE\_PARENT = 8356**

The parent of a new subreference must exist.

**ERROR\_DS\_SUBTREE\_NOTIFY\_NOT\_NC\_HEAD = 8376**

Subtree notifications are only supported on naming context (NC) heads.

**ERROR\_DS\_SUB\_CLS\_TEST\_FAIL = 8391**

Schema update failed: Class in the subclass of the list does not exist or does not satisfy hierarchy rules.

**ERROR\_DS\_SYNTAX\_MISMATCH = 8384**

Schema update failed: Syntax mismatch.

**ERROR\_DS\_THREAD\_LIMIT\_EXCEEDED = 8587**

The thread limit for this request was exceeded.

**ERROR\_DS\_TIMELIMIT\_EXCEEDED = 8226**

The time limit for this request was exceeded.

**ERROR\_DS\_TREE\_DELETE\_NOT\_FINISHED = 8397**

The tree deletion is not finished. The request must be made again to continue deleting the tree.

**ERROR\_DS\_UNABLE\_TO\_SURRENDER\_ROLES = 8435**

The directory service was unable to transfer ownership of one or more floating single-master operation roles to other servers.

**ERROR\_DS\_UNAVAILABLE = 8207**

The directory service is unavailable.

**ERROR\_DS\_UNAVAILABLE\_CRIT\_EXTENSION = 8236**

The server does not support the requested critical extension.

**ERROR\_DS\_UNICODEPWD\_NOT\_IN\_QUOTES = 8556**

TheunicodePwdattribute value must be enclosed in quotation marks.

**ERROR\_DS\_UNIVERSAL\_CANT\_HAVE\_LOCAL\_MEMBER = 8518**

A universal group cannot have a local group as a member.

**ERROR\_DS\_UNKNOWN\_ERROR = 8431**

The directory service encountered an unknown failure.

**ERROR\_DS\_UNKNOWN\_OPERATION = 8365**

The directory service request is invalid.

**ERROR\_DS\_UNWILLING\_TO\_PERFORM = 8245**

The server is unwilling to process the request.

**ERROR\_DS\_UPN\_VALUE\_NOT\_UNIQUE\_IN\_FOREST = 8648**

The operation failed because the UPN value provided for addition/modification is not unique forest-wide.

**ERROR\_DS\_USER\_BUFFER\_TO\_SMALL = 8309**

The user buffer is too small.

**ERROR\_DS\_VERSION\_CHECK\_FAILURE = 643**

This version of Windows is not compatible with the behavior version of directory forest, domain, or domain controller.

**ERROR\_DS\_WKO\_CONTAINER\_CANNOT\_BE\_SPECIAL = 8611**

The target container for a redirection of a well-known object container cannot already be a special container.

**ERROR\_DS\_WRONG\_LINKED\_ATT\_SYNTAX = 8528**

The syntax of the linked attribute being added is incorrect. Forward links can only have syntax 2.5.5.1, 2.5.5.7, and 2.5.5.14, and backlinks can only have syntax 2.5.5.1.

**ERROR\_DS\_WRONG\_OM\_OBJ\_CLASS = 8476**

The OM-Object-Class specified is incorrect for an attribute with the specified syntax.

**ERROR\_DUPLICATE\_SERVICE\_NAME = 1078**

The name is already in use as either a service name or a service display name.

**ERROR\_DUPLICATE\_TAG = 2014**

The specified tag is already present.

**ERROR\_DUP\_DOMAINNAME = 1221**

The workgroup or domain name is already in use by another computer on the network.

**ERROR\_DUP\_NAME = 52**

You were not connected because a duplicate name exists on the network. Go to System in Control Panel to change the computer name, and then try again.

**ERROR\_DYNLINK\_FROM\_INVALID\_RING = 196**

The operating system cannot run this application program.

**ERROR\_EAS\_DIDNT\_FIT = 275**

The extended attributes did not fit in the buffer.

**ERROR\_EAS\_NOT\_SUPPORTED = 282**

The mounted file system does not support extended attributes.

**ERROR\_EA\_ACCESS\_DENIED = 994**

Access to the extended attribute was denied.

**ERROR\_EA\_FILE\_CORRUPT = 276**

The extended attribute file on the mounted file system is corrupt.

**ERROR\_EA\_LIST\_INCONSISTENT = 255**

The extended attributes are inconsistent.

**ERROR\_EA\_TABLE\_FULL = 277**

The extended attribute table file is full.

**ERROR\_EC\_LOG\_DISABLED = 15081**

The log of the subscription is in a disabled state and events cannot be forwarded to it. The log must first be enabled before the subscription can be activated.

**ERROR\_EC\_SUBSCRIPTION\_CANNOT\_ACTIVATE = 15080**

The subscription fails to activate.

**ERROR\_EFS\_ALG\_BLOB\_TOO\_BIG = 6013**

The encryption algorithm used on the source file needs a bigger key buffer than the one on the destination file.

**ERROR\_EFS\_DISABLED = 6015**

This machine is disabled for file encryption.

**ERROR\_EFS\_NOT\_ALLOWED\_IN\_TRANSACTION = 6831**

The encryption operation could not be completed because a transaction is active.

**ERROR\_EFS\_SERVER\_NOT\_TRUSTED = 6011**

The server is not trusted for remote encryption operation.

**ERROR\_EFS\_VERSION\_NOT\_SUPPORT = 6016**

A newer system is required to decrypt this encrypted file.

**ERROR\_ELEVATION\_REQUIRED = 740**

The requested operation requires elevation.

**ERROR\_EMPTY = 4306**

The library, drive, or media pool is empty.

**ERROR\_ENCRYPTION\_FAILED = 6000**

The specified file could not be encrypted.

**ERROR\_END\_OF\_MEDIA = 1100**

The physical end of the tape has been reached.

**ERROR\_ENLISTMENT\_NOT\_FOUND = 6717**

The specified enlistment object could not be opened because it was not found.

**ERROR\_ENLISTMENT\_NOT\_SUPERIOR = 6820**

The request was rejected because the enlistment in question is not a superior enlistment.

**ERROR\_ENVVAR\_NOT\_FOUND = 203**

The system could not find the environment option that was entered.

**ERROR\_EOM\_OVERFLOW = 1129**

Physical end of tape encountered.

**ERROR\_ERRORS\_ENCOUNTERED = 774**

One or more errors occurred while processing the request.

**ERROR\_EVALUATION\_EXPIRATION = 622**

{Windows Evaluation Notification} The evaluation period for this installation of Windows has expired. This system will shut down in 1 hour. To restore access to this installation of Windows, upgrade this installation using a licensed distribution of this product.

**ERROR\_EVENTLOG\_CANT\_START = 1501**

No event log file could be opened, so the event logging service did not start.

**ERROR\_EVENTLOG\_FILE\_CHANGED = 1503**

The event log file has changed between read operations.

**ERROR\_EVENTLOG\_FILE\_CORRUPT = 1500**

The event log file is corrupted.

**ERROR\_EVENT\_DONE = 710**

{TDI Event Done} The TDI indication has completed successfully.

**ERROR\_EVENT\_PENDING = 711**

{TDI Event Pending} The TDI indication has entered the pending state.

**ERROR\_EVT\_CANNOT\_OPEN\_CHANNEL\_OF\_QUERY = 15036**

The channel at index %1 of the query cannot be opened.

**ERROR\_EVT\_CHANNEL\_CANNOT\_ACTIVATE = 15025**

The channel fails to activate.

**ERROR\_EVT\_CHANNEL\_NOT\_FOUND = 15007**

The specified channel could not be found. Check channel configuration.

**ERROR\_EVT\_CONFIGURATION\_ERROR = 15010**

Configuration error.

**ERROR\_EVT\_EVENT\_DEFINITION\_NOT\_FOUND = 15032**

The event definition could not be found for the event ID (%1).

**ERROR\_EVT\_EVENT\_TEMPLATE\_NOT\_FOUND = 15003**

The template for an event definition cannot be found in the resource (error = %1).

**ERROR\_EVT\_FILTER\_ALREADYSCOPED = 15014**

An expression can only be followed by a change-of-scope operation if it itself evaluates to a node set and is not already part of some other change-of-scope operation.

**ERROR\_EVT\_FILTER\_INVARG = 15016**

Left side arguments to binary operators must be either attributes, nodes, or variables and right side arguments must be constants.

**ERROR\_EVT\_FILTER\_INVTEST = 15017**

A step operation must involve either a node test or, in the case of a predicate, an algebraic expression against which to test each node in the node set identified by the preceding node set can be evaluated.

**ERROR\_EVT\_FILTER\_INVTYPE = 15018**

This data type is currently unsupported.

**ERROR\_EVT\_FILTER\_NOTELEMSET = 15015**

Cannot perform a step operation from a term that does not represent an element set.

**ERROR\_EVT\_FILTER\_PARSEERR = 15019**

A syntax error occurred at position %1!d!

**ERROR\_EVT\_FILTER\_TOOCOMPLEX = 15026**

The xpath expression exceeded supported complexity. Simplify it or split it into two or more simple expressions.

**ERROR\_EVT\_FILTER\_UNEXPECTEDTOKEN = 15021**

The token encountered was unexpected.

**ERROR\_EVT\_FILTER\_UNSUPPORTEDOP = 15020**

This operator is unsupported by this implementation of the filter.

**ERROR\_EVT\_INVALID\_CHANNEL\_PATH = 15000**

The specified channel path is invalid.

**ERROR\_EVT\_INVALID\_CHANNEL\_PROPERTY\_VALUE = 15023**

Channel property %1!s! contains an invalid value. The value has an invalid type, is outside the valid range, cannot be updated, or is not supported by this type of channel.

**ERROR\_EVT\_INVALID\_EVENT\_DATA = 15005**

The event data raised by the publisher is not compatible with the event template definition in the publisher's manifest.

**ERROR\_EVT\_INVALID\_OPERATION\_OVER\_ENABLED\_DIRECT\_CHANNEL = 15022**

The requested operation cannot be performed over an enabled direct channel. The channel must first be disabled before performing the requested operation.

#### **ERROR\_EVT\_INVALID\_PUBLISHER\_NAME = 15004**

The specified publisher name is invalid.

#### **ERROR\_EVT\_INVALID\_PUBLISHER\_PROPERTY\_VALUE = 15024**

Publisher property %1!s! contains an invalid value. The value has an invalid type, is outside the valid range, cannot be updated, or is not supported by this type of publisher.

#### **ERROR\_EVT\_INVALID\_QUERY = 15001**

The specified query is invalid.

#### **ERROR\_EVT\_MALFORMED\_XML\_TEXT = 15008**

The specified XML text was not well-formed. See extended error for more details.

#### **ERROR\_EVT\_MAX\_INSERTS\_REACHED = 15031**

The maximum number of replacements has been reached.

#### **ERROR\_EVT\_MESSAGE\_ID\_NOT\_FOUND = 15028**

The message ID for the desired message could not be found.

#### **ERROR\_EVT\_MESSAGE\_LOCALE\_NOT\_FOUND = 15033**

The locale-specific resource for the desired message is not present.

#### **ERROR\_EVT\_MESSAGE\_NOT\_FOUND = 15027**

The message resource is present but the message is not found in the string or message table.

#### **ERROR\_EVT\_NON\_VALIDATING\_MSXML = 15013**

Registered Microsoft XML (MSXML) does not support validation.

#### **ERROR\_EVT\_PUBLISHER\_DISABLED = 15037**

The publisher has been disabled and its resource is not available. This usually occurs when the publisher is in the process of being uninstalled or upgraded.

#### **ERROR\_EVT\_PUBLISHER\_METADATA\_NOT\_FOUND = 15002**

The publisher metadata cannot be found in the resource.

**ERROR\_EVT\_QUERY\_RESULT\_INVALID\_POSITION = 15012**

Query result is currently at an invalid position.

**ERROR\_EVT\_QUERY\_RESULT\_STALE = 15011**

The query result is stale or invalid. This might be due to the log being cleared or rolling over after the query result was created. Users should handle this code by releasing the query result object and reissuing the query.

**ERROR\_EVT\_SUBSCRIPTION\_TO\_DIRECT\_CHANNEL = 15009**

The caller is trying to subscribe to a direct channel which is not allowed. The events for a direct channel go directly to a log file and cannot be subscribed to.

**ERROR\_EVT\_UNRESOLVED\_PARAMETER\_INSERT = 15030**

The description string for the parameter reference (%1) could not be found.

**ERROR\_EVT\_UNRESOLVED\_VALUE\_INSERT = 15029**

The substitution string for the insert index (%1) could not be found.

**ERROR\_EVT\_VERSION\_TOO\_NEW = 15035**

The resource is too new to be compatible.

**ERROR\_EVT\_VERSION\_TOO\_OLD = 15034**

The resource is too old to be compatible.

**ERROR\_EXCEPTION\_IN\_SERVICE = 1064**

An exception occurred in the service when handling the control request.

**ERROR\_EXCL\_SEM\_ALREADY\_OWNED = 101**

The exclusive semaphore is owned by another process.

**ERROR\_EXE\_CANNOT MODIFY\_SIGNED\_BINARY = 217**

The image file %1 is signed, unable to modify.

**ERROR\_EXE\_CANNOT MODIFY\_STRONG\_SIGNED\_BINARY = 218**

The image file %1 is strong signed, unable to modify.

**ERROR\_EXE\_MACHINE\_TYPE\_MISMATCH = 216**

This version of %1 is not compatible with the version of Windows you're running. Check your computer's system information to see whether you need an x86 (32-bit) or x64 (64-bit) version of the program, and then contact the software publisher.

**ERROR\_EXE\_MARKED\_INVALID = 192**

The operating system cannot run %1.

**ERROR\_EXTENDED\_ERROR = 1208**

An extended error has occurred.

**ERROR\_EXTRANEOUS\_INFORMATION = 677**

{Too Much Information} The specified ACL contained more information than was expected.

**ERROR\_FAILED\_DRIVER\_ENTRY = 647**

The driver was not loaded because it failed its initialization call.

**ERROR\_FAILED\_SERVICE\_CONTROLLER\_CONNECT = 1063**

The service process could not connect to the service controller.

**ERROR\_FAIL\_I24 = 83**

Fail on INT 24.

**ERROR\_FAIL\_NOACTION\_REBOOT = 350**

No action was taken because a system reboot is required.

**ERROR\_FAIL\_REBOOT\_INITIATED = 3018**

The requested operation failed. A system reboot has been initiated to roll back changes made.

**ERROR\_FAIL\_REBOOT\_REQUIRED = 3017**

The requested operation failed. A system reboot is required to roll back changes made.

**ERROR\_FAIL\_RESTART = 352**

The restart operation failed.

**ERROR\_FAIL\_SHUTDOWN** = 351

The shutdown operation failed.

**ERROR\_FATAL\_APP\_EXIT** = 713

{Fatal Application Exit} %hs.

**ERROR\_FILEMARK\_DETECTED** = 1101

A tape access reached a filemark.

**ERROR\_FILENAME\_EXCED\_RANGE** = 206

The file name or extension is too long.

**ERROR\_FILE\_CHECKED\_OUT** = 220

This file is checked out or locked for editing by another user.

**ERROR\_FILE\_CORRUPT** = 1392

The file or directory is corrupted and unreadable.

**ERROR\_FILE\_ENCRYPTED** = 6002

The specified file is encrypted and the user does not have the ability to decrypt it.

**ERROR\_FILE\_EXISTS** = 80

The file exists.

**ERROR\_FILE\_IDENTITY\_NOT\_PERSISTENT** = 6823

The file cannot be opened in a transaction because its identity depends on the outcome of an unresolved transaction.

**ERROR\_FILE\_INVALID** = 1006

The volume for a file has been externally altered so that the opened file is no longer valid.

**ERROR\_FILE\_NOT\_ENCRYPTED** = 6007

The specified file is not encrypted.

**ERROR\_FILE\_NOT\_FOUND** = 2

The system cannot find the file specified.

**ERROR\_FILE\_OFFLINE = 4350**

The remote storage service was not able to recall the file.

**ERROR\_FILE\_READ\_ONLY = 6009**

The specified file is read-only.

**ERROR\_FILE\_SYSTEM\_LIMITATION = 665**

The requested operation could not be completed due to a file system limitation.

**ERROR\_FILE\_TOO\_LARGE = 223**

The file size exceeds the limit allowed and cannot be saved.

**ERROR\_FIRMWARE\_UPDATED = 728**

Windows has detected that the system firmware (BIOS) was updated (previous firmware date = %2, current firmware date %3).

**ERROR\_FLOATED\_SECTION = 6846**

I/O was attempted on a section object that has been floated as a result of a transaction ending. There is no valid data.

**ERROR\_FLOAT\_MULTIPLE\_FAULTS = 630**

{EXCEPTION} Multiple floating point faults.

**ERROR\_FLOAT\_MULTIPLE\_TRAPS = 631**

{EXCEPTION} Multiple floating point traps.

**ERROR\_FLOPPY\_BAD\_REGISTERS = 1125**

The floppy disk controller returned inconsistent results in its registers.

**ERROR\_FLOPPY\_ID\_MARK\_NOT\_FOUND = 1122**

No ID address mark was found on the floppy disk.

**ERROR\_FLOPPY\_UNKNOWN\_ERROR = 1124**

The floppy disk controller reported an error that is not recognized by the floppy disk driver.

**ERROR\_FLOPPY\_VOLUME = 584**

The paging file cannot be created on a floppy disk.

**ERROR\_FLOPPY\_WRONG\_CYLINDER = 1123**

Mismatch between the floppy disk sector ID field and the floppy disk controller track address.

**ERROR\_FORMS\_AUTH\_REQUIRED = 224**

Access denied. Before opening files in this location, you must first browse to the website and select the option to sign in automatically.

**ERROR\_FOUND\_OUT\_OF\_SCOPE = 601**

The attempt to find the object found an object matching by ID on the volume but it is out of the scope of the handle used for the operation.

**ERROR\_FSFILTER\_OP\_COMPLETED\_SUCCESSFULLY = 762**

A file system or file system filter driver has successfully completed an FsFilter operation.

**ERROR\_FS\_DRIVER\_REQUIRED = 588**

A volume has been accessed for which a file system driver is required that has not yet been loaded.

**ERROR\_FT\_READ\_RECOVERY\_FROM\_BACKUP = 704**

{Redundant Read} To satisfy a read request, the NT fault-tolerant file system successfully read the requested data from a redundant copy. This was done because the file system encountered a failure on a member of the fault-tolerant volume, but it was unable to reassign the failing area of the device.

**ERROR\_FT\_WRITE\_RECOVERY = 705**

{Redundant Write} To satisfy a write request, the Windows NT operating system fault-tolerant file system successfully wrote a redundant copy of the information. This was done because the file system encountered a failure on a member of the fault-tolerant volume, but it was not able to reassign the failing area of the device.

**ERROR\_FULLSCREEN\_MODE = 1007**

The requested operation cannot be performed in full-screen mode.

**ERROR\_FULL\_BACKUP = 4004**

The backup failed. Check the directory to which you are backing the database.

**ERROR\_FUNCTION\_FAILED = 1627**

Function failed during execution.

**ERROR\_FUNCTION\_NOT\_CALLED** = 1626

Function could not be executed.

**ERROR\_GENERIC\_NOT\_MAPPED** = 1360

Generic access types were contained in an access mask that should already be mapped to nongeneric types.

**ERROR\_GEN\_FAILURE** = 31

A device attached to the system is not functioning.

**ERROR\_GLOBAL\_ONLY\_HOOK** = 1429

This hook procedure can only be set globally.

**ERROR\_GRACEFUL\_DISCONNECT** = 1226

The network connection was gracefully closed.

**ERROR\_GROUP\_EXISTS** = 1318

The specified group already exists.

**ERROR\_GROUP\_NOT\_AVAILABLE** = 5012

The cluster group is not available for any new requests.

**ERROR\_GROUP\_NOT\_FOUND** = 5013

The cluster group could not be found.

**ERROR\_GROUP\_NOT\_ONLINE** = 5014

The operation could not be completed because the cluster group is not online.

**ERROR\_GUID\_SUBSTITUTION MADE** = 680

{GUID Substitution} During the translation of a GUID to a Windows SID, no administratively defined GUID prefix was found. A substitute prefix was used, which will not compromise system security. However, this might provide more restrictive access than intended.

**ERROR\_HANDLES\_CLOSED** = 676

{Handles Closed} Handles to objects have been automatically closed because of the requested operation.

#### **ERROR\_HANDLE\_DISK\_FULL = 39**

The disk is full.

#### **ERROR\_HANDLE\_EOF = 38**

Reached the end of the file.

#### **ERROR\_HANDLE\_NO\_LONGER\_VALID = 6815**

The handle has been invalidated by a transaction. The most likely cause is the presence of memory mapping on a file, or an open handle when the transaction ended or rolled back to savepoint.

#### **ERROR\_HIBERNATED = 726**

The system was put into hibernation.

#### **ERROR\_HIBERNATION\_FAILURE = 656**

The system has failed to hibernate (the error code is %hs). Hibernation will be disabled until the system is restarted.

#### **ERROR\_HOOK\_NEEDS\_HMOD = 1428**

Cannot set nonlocal hook without a module handle.

#### **ERROR\_HOOK\_NOT\_INSTALLED = 1431**

The hook procedure is not installed.

#### **ERROR\_HOOK\_TYPE\_NOT\_ALLOWED = 1458**

Hook type not allowed.

#### **ERROR\_HOST\_DOWN = 1256**

The remote system is not available. For information about network troubleshooting, see Windows Help.

#### **ERROR\_HOST\_NODE\_NOT\_AVAILABLE = 5005**

A cluster node is not available for this operation.

#### **ERROR\_HOST\_NODE\_NOT\_GROUP\_OWNER = 5016**

The operation failed because either the specified cluster node is not the owner of the group, or the node is not a possible owner of the group.

**ERROR\_HOST\_NODE\_NOT\_RESOURCE\_OWNER = 5015**

The operation failed because either the specified cluster node is not the owner of the resource, or the node is not a possible owner of the resource.

**ERROR\_HOST\_UNREACHABLE = 1232**

The network location cannot be reached. For information about network troubleshooting, see Windows Help.

**ERROR\_HOTKEY\_ALREADY\_REGISTERED = 1409**

Hot key is already registered.

**ERROR\_HOTKEY\_NOT\_REGISTERED = 1419**

Hot key is not registered.

**ERROR\_HWNDS\_HAVE\_DIFF\_PARENT = 1441**

All handles to windows in a multiple-window position structure must have the same parent.

**ERROR\_ICM\_NOT\_ENABLED = 2018**

Image Color Management is not enabled.

**ERROR\_IREPORT\_FULL = 4341**

Cannot use the IReport because it is not empty.

**ERROR\_ILLEGAL\_CHARACTER = 582**

An illegal character was encountered. For a multibyte character set, this includes a lead byte without a succeeding trail byte. For the Unicode character set, this includes the characters 0xFFFF and 0xFFE.

**ERROR\_ILLEGAL\_DLL\_RELOCATION = 623**

{Illegal System DLL Relocation} The system DLL %hs was relocated in memory. The application will not run properly. The relocation occurred because the DLL %hs occupied an address range reserved for Windows system DLLs. The vendor supplying the DLL should be contacted for a new DLL.

**ERROR\_ILLEGAL\_ELEMENT\_ADDRESS = 1162**

The indicated element does not exist.

**ERROR\_ILLEGAL\_FLOAT\_CONTEXT = 579**

{EXCEPTION} A real-mode application issued a floating-point instruction, and floating-point hardware is not present.

**ERROR\_ILL\_FORMED\_PASSWORD = 1324**

Unable to update the password. The value provided for the new password contains values that are not allowed in passwords.

**ERROR\_IMAGE\_MACHINE\_TYPE\_MISMATCH = 706**

{Machine Type Mismatch} The image file %hs is valid, but is for a machine type other than the current machine. Select OK to continue, or CANCEL to fail the DLL load.

**ERROR\_IMAGE\_MACHINE\_TYPE\_MISMATCH\_EXE = 720**

{Machine Type Mismatch} The image file %hs is valid, but is for a machine type other than the current machine.

**ERROR\_IMAGE\_NOT\_AT\_BASE = 700**

{Image Relocated} An image file could not be mapped at the address specified in the image file. Local fixes must be performed on this image.

**ERROR\_IMPLEMENTATION\_LIMIT = 1292**

An operation attempted to exceed an implementation-defined limit.

**ERROR\_INCOMPATIBLE\_SERVICE\_PRIVILEGE = 1297**

A privilege that the service requires to function properly does not exist in the service account configuration. The Services Microsoft Management Console (MMC) snap-in (Services.msc) and the Local Security Settings MMC snap-in (Secpol.msc) can be used to view the service configuration and the account configuration.

**ERROR\_INCOMPATIBLE\_SERVICE\_SID\_TYPE = 1290**

The service start failed because one or more services in the same process have an incompatible service SID type setting. A service with a restricted service SID type can only coexist in the same process with other services with a restricted SID type.

**ERROR\_INCORRECT\_ADDRESS = 1241**

The network address could not be used for the operation requested.

**ERROR\_INCORRECT\_SIZE = 1462**

Incorrect size argument.

**ERROR\_INC\_BACKUP = 4003**

The backup failed. Was a full backup done before?

**ERROR\_INDEX\_ABSENT = 1611**

Component qualifier not present.

**ERROR\_INDIGENOUS\_TYPE = 4338**

The media type cannot be removed from this library because at least one drive in the library reports it can support this media type.

**ERROR\_INDOUBT\_TRANSACTIONS\_EXIST = 6827**

The operation would leave a transactional resource manager in an inconsistent state and is, therefore, not allowed.

**ERROR\_INFLOOP\_IN\_RELOC\_CHAIN = 202**

The operating system cannot run %1.

**ERROR\_INSTALL\_ALREADY\_RUNNING = 1618**

Another installation is already in progress. Complete that installation before proceeding with this install.

**ERROR\_INSTALL\_FAILURE = 1603**

Fatal error during installation.

**ERROR\_INSTALL\_LANGUAGE\_UNSUPPORTED = 1623**

The language of this installation package is not supported by your system.

**ERROR\_INSTALL\_LOG\_FAILURE = 1622**

Error opening installation log file. Verify that the specified log file location exists and that you can write to it.

**ERROR\_INSTALL\_NOTUSED = 1634**

Component not used on this computer.

## **ERROR\_INSTALL\_PACKAGE\_INVALID = 1620**

This installation package could not be opened. Contact the application vendor to verify that this is a valid Windows Installer package.

## **ERROR\_INSTALL\_PACKAGE\_OPEN\_FAILED = 1619**

This installation package could not be opened. Verify that the package exists and that you can access it, or contact the application vendor to verify that this is a valid Windows Installer package.

## **ERROR\_INSTALL\_PACKAGE\_REJECTED = 1625**

This installation is forbidden by system policy. Contact your system administrator.

## **ERROR\_INSTALL\_PACKAGE\_VERSION = 1613**

This installation package cannot be installed by the Windows Installer service. You must install a Windows service pack that contains a newer version of the Windows Installer service.

## **ERROR\_INSTALL\_PLATFORM\_UNSUPPORTED = 1633**

This installation package is not supported by this processor type. Contact your product vendor.

## **ERROR\_INSTALL\_REMOTE\_DISALLOWED = 1640**

Only administrators have permission to add, remove, or configure server software during a Terminal Services remote session. If you want to install or configure software on the server, contact your network administrator.

## **ERROR\_INSTALL\_REMOTE\_PROHIBITED = 1645**

The Windows Installer does not permit installation from a Remote Desktop Connection.

## **ERROR\_INSTALL\_SERVICE\_FAILURE = 1601**

The Windows Installer service could not be accessed. This can occur if the Windows Installer is not correctly installed. Contact your support personnel for assistance.

## **ERROR\_INSTALL\_SERVICE\_SAFEBOOT = 1652**

The Windows Installer service is not accessible in Safe Mode. Try again when your computer is not in Safe Mode or you can use System Restore to return your machine to a previous good state.

## **ERROR\_INSTALL\_SOURCE\_ABSENT = 1612**

The installation source for this product is not available. Verify that the source exists and that you can access it.

**ERROR\_INSTALL\_SUSPEND = 1604**

Installation suspended, incomplete.

**ERROR\_INSTALL\_TEMP\_UNWRITABLE = 1632**

The Temp folder is on a drive that is full or is inaccessible. Free up space on the drive or verify that you have write permission on the Temp folder.

**ERROR\_INSTALL\_TRANSFORM\_FAILURE = 1624**

Error applying transforms. Verify that the specified transform paths are valid.

**ERROR\_INSTALL\_TRANSFORM\_REJECTED = 1644**

One or more customizations are not permitted by a software restriction policy.

**ERROR\_INSTALL\_UI\_FAILURE = 1621**

There was an error starting the Windows Installer service user interface. Contact your support personnel.

**ERROR\_INSTALL\_USEREXIT = 1602**

User canceled installation.

**ERROR\_INSTRUCTION\_MISALIGNMENT = 549**

An attempt was made to execute an instruction at an unaligned address, and the host system does not support unaligned instruction references.

**ERROR\_INSUFFICIENT\_BUFFER = 122**

The data area passed to a system call is too small.

**ERROR\_INSUFFICIENT\_LOGON\_INFO = 608**

There is insufficient account information to log you on.

**ERROR\_INSUFFICIENT\_POWER = 639**

There is not enough power to complete the requested operation.

**ERROR\_INSUFFICIENT\_RESOURCE\_FOR\_SPECIFIED\_SHARED\_SECTION\_SIZE = 781**

The Desktop heap encountered an error while allocating session memory. There is more information in the system event log.

#### **ERROR\_INTERNAL\_DB\_CORRUPTION = 1358**

Unable to complete the requested operation because of either a catastrophic media failure or a data structure corruption on the disk.

#### **ERROR\_INTERNAL\_DB\_ERROR = 1383**

The local security authority database contains an internal inconsistency.

#### **ERROR\_INTERNAL\_ERROR = 1359**

An internal error occurred.

#### **ERROR\_INTERRUPT\_STILL\_CONNECTED = 764**

The specified interrupt vector is still connected.

#### **ERROR\_INTERRUPT\_VECTOR\_ALREADY\_CONNECTED = 763**

The specified interrupt vector was already connected.

#### **ERROR\_INVALID\_ACCEL\_HANDLE = 1403**

Invalid accelerator table handle.

#### **ERROR\_INVALID\_ACCESS = 12**

The access code is invalid.

#### **ERROR\_INVALID\_ACCOUNT\_NAME = 1315**

The name provided is not a properly formed account name.

#### **ERROR\_INVALID\_ACL = 1336**

The ACL structure is invalid.

#### **ERROR\_INVALID\_ADDRESS = 487**

Attempt to access invalid address.

#### **ERROR\_INVALID\_AT\_INTERRUPT\_TIME = 104**

Cannot request exclusive semaphores at interrupt time.

**ERROR\_INVALID\_BLOCK = 9**

The storage control block address is invalid.

**ERROR\_INVALID\_BLOCK\_LENGTH = 1106**

When accessing a new tape of a multivolume partition, the current block size is incorrect.

**ERROR\_INVALID\_CATEGORY = 117**

The Input Output Control (IOCTL) call made by the application program is not correct.

**ERROR\_INVALID\_CLEANER = 4310**

The media identifier does not represent a valid cleaner.

**ERROR\_INVALID\_CLUSTER\_IPV6\_ADDRESS = 5911**

The address is not valid for an IPv6 Address resource. A global IPv6 address is required, and it must match a cluster network. Compatibility addresses are not permitted.

**ERROR\_INVALID\_CMM = 2010**

The specified color management module is invalid.

**ERROR\_INVALID\_COLORINDEX = 2022**

The specified named color index is not present in the profile.

**ERROR\_INVALID\_COLORSPACE = 2017**

The specified color space is invalid.

**ERROR\_INVALID\_COMBOBOX\_MESSAGE = 1422**

Invalid message for a combo box because it does not have an edit control.

**ERROR\_INVALID\_COMMAND\_LINE = 1639**

Invalid command-line argument. Consult the Windows Installer SDK for detailed command line help.

**ERROR\_INVALID\_COMPUTERNAME = 1210**

The format of the specified computer name is invalid.

**ERROR\_INVALID\_CRUNTIME\_PARAMETER = 1288**

The parameter passed to aCruntime function is incorrect.

**ERROR\_INVALID\_CURSOR\_HANDLE = 1402**

Invalid cursor handle.

**ERROR\_INVALID\_DATA = 13**

The data is invalid.

**ERROR\_INVALID\_DATATYPE = 1804**

The specified data type is invalid.

**ERROR\_INVALID\_DEVICE\_OBJECT\_PARAMETER = 650**

The device object parameter is either not a valid device object or is not attached to the volume specified by the file name.

**ERROR\_INVALID\_DLL = 1154**

One of the library files needed to run this application is damaged.

**ERROR\_INVALID\_DOMAINNAME = 1212**

The format of the specified domain name is invalid.

**ERROR\_INVALID\_DOMAIN\_ROLE = 1354**

This operation is only allowed for the PDC of the domain.

**ERROR\_INVALID\_DOMAIN\_STATE = 1353**

The domain was in the wrong state to perform the security operation.

**ERROR\_INVALID\_DRIVE = 15**

The system cannot find the drive specified.

**ERROR\_INVALID\_DRIVE\_OBJECT = 4321**

The drive identifier does not represent a valid drive.

**ERROR\_INVALID\_DWP\_HANDLE = 1405**

Invalid handle to a multiple-window position structure.

**ERROR\_INVALID\_EA\_HANDLE = 278**

The specified extended attribute handle is invalid.

**ERROR\_INVALID\_EA\_NAME = 254**

The specified extended attribute name was invalid.

**ERROR\_INVALID\_EDIT\_HEIGHT = 1424**

Height must be less than 256.

**ERROR\_INVALID\_ENVIRONMENT = 1805**

The environment specified is invalid.

**ERROR\_INVALID\_EVENTNAME = 1211**

The format of the specified event name is invalid.

**ERROR\_INVALID\_EVENT\_COUNT = 151**

The number of specified semaphore events for DosMuxSemWait is not correct.

**ERROR\_INVALID\_EXE\_SIGNATURE = 191**

Cannot run %1 in Win32 mode.

**ERROR\_INVALID\_FIELD = 1616**

Record field does not exist.

**ERROR\_INVALID\_FILTER\_PROC = 1427**

Invalid hook procedure.

**ERROR\_INVALID\_FLAGS = 1004**

Invalid flags.

**ERROR\_INVALID\_FLAG\_NUMBER = 186**

The flag passed is not correct.

**ERROR\_INVALID\_FORM\_NAME = 1902**

The specified form name is invalid.

**ERROR\_INVALID\_FORM\_SIZE = 1903**

The specified form size is invalid.

**ERROR\_INVALID\_FUNCTION** = 1

Incorrect function.

**ERROR\_INVALID\_GROUPNAME** = 1209

The format of the specified group name is invalid.

**ERROR\_INVALID\_GROUP\_ATTRIBUTES** = 1345

The specified attributes are invalid, or incompatible with the attributes for the group as a whole.

**ERROR\_INVALID\_GW\_COMMAND** = 1443

Invalid GW\_\* command.

**ERROR\_INVALID\_HANDLE** = 6

The handle is invalid.

**ERROR\_INVALID\_HANDLE\_STATE** = 1609

Handle is in an invalid state.

**ERROR\_INVALID\_HOOK\_FILTER** = 1426

Invalid hook procedure type.

**ERROR\_INVALID\_HOOK\_HANDLE** = 1404

Invalid hook handle.

**ERROR\_INVALID\_HW\_PROFILE** = 619

The specified hardware profile configuration is invalid.

**ERROR\_INVALID\_ICON\_HANDLE** = 1414

Invalid icon handle.

**ERROR\_INVALID\_ID\_AUTHORITY** = 1343

The value provided was an invalid value for an identifier authority.

**ERROR\_INVALID\_IMAGE\_HASH** = 577

The hash for the image cannot be found in the system catalogs. The image is likely corrupt or the victim of tampering.

**ERROR\_INVALID\_IMPORT\_OF\_NON\_DLL = 1276**

A DLL referenced a module that was neither a DLL nor the process's executable image.

**ERROR\_INVALID\_INDEX = 1413**

Invalid index.

**ERROR\_INVALID\_KEYBOARD\_HANDLE = 1457**

Invalid keyboard layout handle.

**ERROR\_INVALID\_LABEL = 1299**

Indicates a particular SID cannot be assigned as the label of an object.

**ERROR\_INVALID\_LB\_MESSAGE = 1432**

Invalid message for single-selection list box.

**ERROR\_INVALID\_LDT\_DESCRIPTOR = 564**

Indicates that the user supplied an invalid descriptor when trying to set up LDT descriptors.

**ERROR\_INVALID\_LDT\_OFFSET = 563**

Indicates that the starting value for the LDT information was not an integral multiple of the selector size.

**ERROR\_INVALID\_LDT\_SIZE = 561**

Indicates that an attempt was made to grow a local domain table (LDT) by setting its size, or that the size was not an even number of selectors.

**ERROR\_INVALID\_LEVEL = 124**

The system call level is not correct.

**ERROR\_INVALID\_LIBRARY = 4301**

The library identifier does not represent a valid library.

**ERROR\_INVALID\_LIST\_FORMAT = 153**

The DosMuxSemWait list is not correct.

**ERROR\_INVALID\_LOGON\_HOURS = 1328**

Logon failure: Account logon time restriction violation.

**ERROR\_INVALID\_LOGON\_TYPE = 1367**

A logon request contained an invalid logon type value.

**ERROR\_INVALID\_MEDIA = 4300**

The media identifier does not represent a valid medium.

**ERROR\_INVALID\_MEDIA\_POOL = 4302**

The media pool identifier does not represent a valid media pool.

**ERROR\_INVALID\_MEMBER = 1388**

A new member could not be added to a local group because the member has the wrong account type.

**ERROR\_INVALID\_MENU\_HANDLE = 1401**

Invalid menu handle.

**ERROR\_INVALID\_MESSAGE = 1002**

The window cannot act on the sent message.

**ERROR\_INVALID\_MESSAGEDEST = 1218**

The format of the specified message destination is invalid.

**ERROR\_INVALID\_MESSAGENAME = 1217**

The format of the specified message name is invalid.

**ERROR\_INVALID\_MINALLOC\_SIZE = 195**

The operating system cannot run %1.

**ERROR\_INVALID\_MODULETYPE = 190**

The operating system cannot run %1.

**ERROR\_INVALID\_MONITOR\_HANDLE = 1461**

Invalid monitor handle.

**ERROR\_INVALID\_MSGBOX\_STYLE = 1438**

Invalid message box style.

**ERROR\_INVALID\_NAME** = 123

The file name, directory name, or volume label syntax is incorrect.

**ERROR\_INVALID\_NETNAME** = 1214

The format of the specified network name is invalid.

**ERROR\_INVALID\_OPERATION** = 4317

The operation identifier is not valid.

**ERROR\_INVALID\_OPERATION\_ON\_QUORUM** = 5068

This operation cannot be performed on the cluster resource because it is the quorum resource. This quorum resource cannot be brought offline and its possible owners list cannot be modified.

**ERROR\_INVALID\_OPLOCK\_PROTOCOL** = 301

An invalid oplock acknowledgment was received by the system.

**ERROR\_INVALID\_ORDINAL** = 182

The operating system cannot run %1.

**ERROR\_INVALID\_OWNER** = 1307

This SID cannot be assigned as the owner of this object.

**ERROR\_INVALID\_PARAMETER** = 87

The parameter is incorrect.

**ERROR\_INVALID\_PASSWORD** = 86

The specified network password is not correct.

**ERROR\_INVALID\_PASSWORDNAME** = 1216

The format of the specified password is invalid.

**ERROR\_INVALID\_PATCH\_XML** = 1650

The XML update data is invalid.

**ERROR\_INVALID\_PIXEL\_FORMAT** = 2000

The pixel format is invalid.

**ERROR\_INVALID\_PLUGPLAY\_DEVICE\_PATH = 620**

The specified Plug and Play registry device path is invalid.

**ERROR\_INVALID\_PORT\_ATTRIBUTES = 545**

Invalid object attributes specified to NtCreatePort or invalid port attributes specified to NtConnectPort.

**ERROR\_INVALID\_PRIMARY\_GROUP = 1308**

This SID cannot be assigned as the primary group of an object.

**ERROR\_INVALID\_PRINTER\_COMMAND = 1803**

The printer command is invalid.

**ERROR\_INVALID\_PRINTER\_NAME = 1801**

The printer name is invalid.

**ERROR\_INVALID\_PRINTER\_STATE = 1906**

The state of the printer is invalid.

**ERROR\_INVALID\_PRINT\_MONITOR = 3007**

The specified print monitor does not have the required functions.

**ERROR\_INVALID\_PRIORITY = 1800**

The specified priority is invalid.

**ERROR\_INVALID\_PROFILE = 2011**

The specified color profile is invalid.

**ERROR\_INVALID\_QUOTA\_LOWER = 547**

An attempt was made to lower a quota limit below the current usage.

**ERROR\_INVALID\_REPARSE\_DATA = 4392**

The data present in the reparse point buffer is invalid.

**ERROR\_INVALID\_SCROLLBAR\_RANGE = 1448**

Scroll bar range cannot be greater than MAXLONG.

**ERROR\_INVALID\_SECURITY\_DESCR = 1338**

The security descriptor structure is invalid.

**ERROR\_INVALID\_SEGDPL = 198**

The operating system cannot run %1.

**ERROR\_INVALID\_SEGMENT\_NUMBER = 180**

The system detected a segment number that was not correct.

**ERROR\_INVALID\_SEPARATOR\_FILE = 1799**

The specified separator file is invalid.

**ERROR\_INVALID\_SERVER\_STATE = 1352**

The SAM or local security authority (LSA) server was in the wrong state to perform the security operation.

**ERROR\_INVALID\_SERVICENAME = 1213**

The format of the specified service name is invalid.

**ERROR\_INVALID\_SERVICE\_ACCOUNT = 1057**

The account name is invalid or does not exist, or the password is invalid for the account name specified.

**ERROR\_INVALID\_SERVICE\_CONTROL = 1052**

The requested control is not valid for this service.

**ERROR\_INVALID\_SERVICE\_LOCK = 1071**

The specified service database lock is invalid.

**ERROR\_INVALID\_SHARENAME = 1215**

The format of the specified share name is invalid.

**ERROR\_INVALID\_SHOWWIN\_COMMAND = 1449**

Cannot show or remove the window in the way specified.

**ERROR\_INVALID\_SID = 1337**

The SID structure is invalid.

**ERROR\_INVALID\_SIGNAL\_NUMBER = 209**

The signal being posted is not correct.

**ERROR\_INVALID\_SPI\_VALUE = 1439**

Invalid system-wide (SPI\_\*) parameter.

**ERROR\_INVALID\_STACKSEG = 189**

The operating system cannot run %1.

**ERROR\_INVALID\_STARTING\_CODESEG = 188**

The operating system cannot run %1.

**ERROR\_INVALID\_STATE = 5023**

The group or resource is not in the correct state to perform the requested operation.

**ERROR\_INVALID\_SUB\_AUTHORITY = 1335**

The sub-authority part of an SID is invalid for this particular use.

**ERROR\_INVALID\_TABLE = 1628**

Invalid or unknown table specified.

**ERROR\_INVALID\_TARGET\_HANDLE = 114**

The target internal file identifier is incorrect.

**ERROR\_INVALID\_TASK\_INDEX = 1551**

The specified task index is invalid.

**ERROR\_INVALID\_TASK\_NAME = 1550**

The specified task name is invalid.

**ERROR\_INVALID\_THREAD\_ID = 1444**

Invalid thread identifier.

**ERROR\_INVALID\_TIME = 1901**

The specified time is invalid.

**ERROR\_INVALID\_TRANSACTION = 6700**

The transaction handle associated with this operation is not valid.

**ERROR\_INVALID\_TRANSFORM = 2020**

The specified color transform is invalid.

**ERROR\_INVALID\_UNWIND\_TARGET = 544**

An invalid unwind target was encountered during an unwind operation.

**ERROR\_INVALID\_USER\_BUFFER = 1784**

The supplied user buffer is not valid for the requested operation.

**ERROR\_INVALID\_VARIANT = 604**

The supplied variant structure contains invalid data.

**ERROR\_INVALID\_VERIFY\_SWITCH = 118**

The verify-on-write switch parameter value is not correct.

**ERROR\_INVALID\_WINDOW\_HANDLE = 1400**

Invalid window handle.

**ERROR\_INVALID\_WINDOW\_STYLE = 2002**

The window style or class attribute is invalid for this operation.

**ERROR\_INVALID\_WORKSTATION = 1329**

Logon failure: User not allowed to log on to this computer.

**ERROR\_IOPL\_NOT\_ENABLED = 197**

The operating system is not presently configured to run this application.

**ERROR\_IO\_DEVICE = 1117**

The request could not be performed because of an I/O device error.

**ERROR\_IO\_INCOMPLETE = 996**

Overlapped I/O event is not in a signaled state.

**ERROR\_IO\_PENDING = 997**

Overlapped I/O operation is in progress.

**ERROR\_IO\_PRIVILEGE\_FAILED = 571**

{Privilege Failed} The I/O permissions for the process could not be changed.

**ERROR\_IO\_REISSUE\_AS\_CACHED = 3950**

Reissue the given operation as a cached I/O operation.

**ERROR\_IPSEC\_DEFAULT\_MM\_AUTH\_NOT\_FOUND = 13014**

The specified default main mode authentication list was not found.

**ERROR\_IPSEC\_DEFAULT\_MM\_POLICY\_NOT\_FOUND = 13013**

The specified default main mode policy was not found.

**ERROR\_IPSEC\_DEFAULT\_QM\_POLICY\_NOT\_FOUND = 13015**

The specified default quick mode policy was not found.

**ERROR\_IPSEC\_IKE\_ADD\_UPDATE\_KEY\_FAILED = 13860**

Failed to add an SA to the IPSec driver. The most common cause for this is if the IKE negotiation took too long to complete. If the problem persists, reduce the load on the faulting machine.

**ERROR\_IPSEC\_IKE\_ATTRIB\_FAIL = 13802**

The IKE security attributes are unacceptable.

**ERROR\_IPSEC\_IKE\_AUTH\_FAIL = 13801**

The IKE authentication credentials are unacceptable.

**ERROR\_IPSEC\_IKE\_BENIGN\_REINIT = 13878**

A temporary state was created to perform reinitialization. This is not a real failure.

**ERROR\_IPSEC\_IKE\_CERT\_CHAIN\_POLICY\_MISMATCH = 13887**

Certificate does not chain to a trusted root in IPsec policy.

**ERROR\_IPSEC\_IKE\_CGA\_AUTH\_FAILED = 13892**

Could not verify the binding between the color graphics adapter (CGA) address and the certificate.

**ERROR\_IPSEC\_IKE\_CRL\_FAILED = 13817**

The certificate revocation check failed.

**ERROR\_IPSEC\_IKE\_DECRYPT = 13867**

Error decrypting payload.

**ERROR\_IPSEC\_IKE\_DH\_FAIL = 13822**

There was a failure in the Diffie-Hellman computation.

**ERROR\_IPSEC\_IKE\_DH\_FAILURE = 13864**

Diffie-Hellman failure.

**ERROR\_IPSEC\_IKE\_DOS\_COOKIE\_SENT = 13890**

Sent DOS cookie notify to initiator.

**ERROR\_IPSEC\_IKE\_DROP\_NO\_RESPONSE = 13813**

There was no response from a peer.

**ERROR\_IPSEC\_IKE\_ENCRYPT = 13866**

Error encrypting payload.

**ERROR\_IPSEC\_IKE\_ERROR = 13816**

An unknown error occurred.

**ERROR\_IPSEC\_IKE\_FAILQUERYSSP = 13854**

Failed to query the Kerberos package to obtain the max token size.

**ERROR\_IPSEC\_IKE\_FAILSSPINIT = 13853**

Failed to obtain the security function table dispatch address from the SSPI.

**ERROR\_IPSEC\_IKE\_GENERAL\_PROCESSING\_ERROR = 13804**

General processing error.

**ERROR\_IPSEC\_IKE\_GETSPIFAIL = 13857**

Failed to obtain a new service provider interface (SPI) for the inbound SA from the IPsec driver. The most common cause for this is that the driver does not have the correct filter. Check your policy to verify the filters.

**ERROR\_IPSEC\_IKE\_INVALID\_AUTH\_ALG = 13874**

Invalid authentication algorithm.

**ERROR\_IPSEC\_IKE\_INVALID\_CERT\_KEYLEN = 13881**

Key length in the certificate is too small for configured security requirements.

**ERROR\_IPSEC\_IKE\_INVALID\_CERT\_TYPE = 13819**

Invalid certificate type.

**ERROR\_IPSEC\_IKE\_INVALID\_COOKIE = 13846**

Invalid cookie received.

**ERROR\_IPSEC\_IKE\_INVALID\_ENCRYPT\_ALG = 13873**

Invalid encryption algorithm.

**ERROR\_IPSEC\_IKE\_INVALID\_FILTER = 13858**

Given filter is invalid.

**ERROR\_IPSEC\_IKE\_INVALID\_GROUP = 13865**

Invalid Diffie-Hellman group.

**ERROR\_IPSEC\_IKE\_INVALID\_HASH = 13870**

Hash verification failed.

**ERROR\_IPSEC\_IKE\_INVALID\_HASH\_ALG = 13871**

Invalid hash algorithm.

**ERROR\_IPSEC\_IKE\_INVALID\_HASH\_SIZE = 13872**

Invalid hash size.

**ERROR\_IPSEC\_IKE\_INVALID\_HEADER = 13824**

Invalid header.

**ERROR\_IPSEC\_IKE\_INVALID\_KEY\_USAGE** = 13818

Invalid certificate key usage.

**ERROR\_IPSEC\_IKE\_INVALID\_MM\_FOR\_QM** = 13894

The parameters of the main mode are invalid for this quick mode.

**ERROR\_IPSEC\_IKE\_INVALID\_PAYLOAD** = 13843

Invalid payload received.

**ERROR\_IPSEC\_IKE\_INVALID\_POLICY** = 13861

Invalid policy.

**ERROR\_IPSEC\_IKE\_INVALID\_RESPONDER\_LIFETIME\_NOTIFY** = 13879

The lifetime value received in the Responder Lifetime Notify is below the Windows 2000 configured minimum value. Fix the policy on the peer machine.

**ERROR\_IPSEC\_IKE\_INVALID\_SIG** = 13875

Invalid certificate signature.

**ERROR\_IPSEC\_IKE\_INVALID\_SIGNATURE** = 13826

Failed to verify signature.

**ERROR\_IPSEC\_IKE\_INVALID\_SITUATION** = 13863

Invalid situation.

**ERROR\_IPSEC\_IKE\_INVALID\_UMATTS** = 13889

Received invalid AuthIP user mode attributes.

**ERROR\_IPSEC\_IKE\_KERBEROS\_ERROR** = 13827

Failed to authenticate using Kerberos.

**ERROR\_IPSEC\_IKE\_LOAD\_FAILED** = 13876

Load failed.

**ERROR\_IPSEC\_IKE\_LOAD\_SOFT\_SA** = 13844

Soft SA loaded.

**ERROR\_IPSEC\_IKE\_MM\_ACQUIRE\_DROP = 13809**

The negotiation request sat in the queue too long.

**ERROR\_IPSEC\_IKE\_MM\_DELAY\_DROP = 13814**

The negotiation took too long.

**ERROR\_IPSEC\_IKE\_MM\_EXPIRED = 13885**

Main mode SA lifetime expired or the peer sent a main mode delete.

**ERROR\_IPSEC\_IKE\_MM\_LIMIT = 13882**

Maximum number of established MM SAs to peer exceeded.

**ERROR\_IPSEC\_IKE\_NEGOTIATION\_DISABLED = 13883**

The IKE received a policy that disables negotiation.

**ERROR\_IPSEC\_IKE\_NEGOTIATION\_PENDING = 13803**

The IKE negotiation is in progress.

**ERROR\_IPSEC\_IKE\_NEG\_STATUS\_BEGIN = 13800**

Starts the list of frequencies of various IKE Win32 error codes encountered during negotiations.

**ERROR\_IPSEC\_IKE\_NEG\_STATUS\_END = 13897**

Ends the list of frequencies of various IKE Win32 error codes encountered during negotiations.

**ERROR\_IPSEC\_IKE\_NOTCBPRIV = 13851**

Failed to enable trusted computer base (TCB) privilege.

**ERROR\_IPSEC\_IKE\_NO\_CERT = 13806**

The IKE failed to find a valid machine certificate. Contact your network security administrator about installing a valid certificate in the appropriate certificate store.

**ERROR\_IPSEC\_IKE\_NO\_MM\_POLICY = 13850**

There is no available main mode IKE policy.

**ERROR\_IPSEC\_IKE\_NO\_PEER\_CERT = 13847**

Peer failed to send valid machine certificate.

**ERROR\_IPSEC\_IKE\_NO\_POLICY = 13825**

No policy configured.

**ERROR\_IPSEC\_IKE\_NO\_PRIVATE\_KEY = 13820**

The IKE negotiation failed because the machine certificate used does not have a private key. IPsec certificates require a private key. Contact your network security administrator about a certificate that has a private key.

**ERROR\_IPSEC\_IKE\_NO\_PUBLIC\_KEY = 13828**

The peer's certificate did not have a public key.

**ERROR\_IPSEC\_IKE\_OUT\_OF\_MEMORY = 13859**

Memory allocation failed.

**ERROR\_IPSEC\_IKE\_PEER\_CRL\_FAILED = 13848**

Certification revocation check of peer's certificate failed.

**ERROR\_IPSEC\_IKE\_PEER\_MM\_ASSUMED\_INVALID = 13886**

Main mode SA assumed to be invalid because peer stopped responding.

**ERROR\_IPSEC\_IKE\_POLICY\_CHANGE = 13849**

New policy invalidated SAs formed with the old policy.

**ERROR\_IPSEC\_IKE\_POLICY\_MATCH = 13868**

Policy match error.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR = 13829**

Error processing the error payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_CERT = 13835**

Error processing the certification payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_CERT\_REQ = 13836**

Error processing the certificate request payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_DELETE = 13841**

Error processing the delete payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_HASH = 13837**

Error processing the hash payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_ID = 13834**

Error processing the ID payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_KE = 13833**

Error processing the key exchange payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_NATOA = 13893**

Error processing the NatOA payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_NONCE = 13839**

Error processing the nonce payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_NOTIFY = 13840**

Error processing the notify payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_PROP = 13831**

Error processing the proposal payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_SA = 13830**

Error processing the SA payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_SIG = 13838**

Error processing the signature payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_TRANS = 13832**

Error processing the transform payload.

**ERROR\_IPSEC\_IKE\_PROCESS\_ERR\_VENDOR = 13842**

Error processing the VendorId payload.

**ERROR\_IPSEC\_IKE\_QM\_ACQUIRE\_DROP = 13810**

The negotiation request sat in the queue too long.

**ERROR\_IPSEC\_IKE\_QM\_DELAY\_DROP = 13815**

The negotiation took too long.

**ERROR\_IPSEC\_IKE\_QM\_EXPIRED = 13895**

The quick mode SA was expired by the IPsec driver.

**ERROR\_IPSEC\_IKE\_QM\_LIMIT = 13884**

Reached maximum quick mode limit for the main mode. New main mode will be started.

**ERROR\_IPSEC\_IKE\_QUEUE\_DROP\_MM = 13811**

The negotiation request sat in the queue too long.

**ERROR\_IPSEC\_IKE\_QUEUE\_DROP\_NO\_MM = 13812**

The negotiation request sat in the queue too long.

**ERROR\_IPSEC\_IKE\_RPC\_DELETE = 13877**

Deleted by using an RPC call.

**ERROR\_IPSEC\_IKE\_SA\_DELETED = 13807**

The IKE security association (SA) was deleted by a peer before it was completely established.

**ERROR\_IPSEC\_IKE\_SA\_REAPED = 13808**

The IKE SA was deleted before it was completely established.

**ERROR\_IPSEC\_IKE\_SECLOADFAIL = 13852**

Failed to load SECURITY.DLL.

**ERROR\_IPSEC\_IKE\_SHUTTING\_DOWN = 13891**

The IKE service is shutting down.

**ERROR\_IPSEC\_IKE\_SOFT\_SA\_TORN\_DOWN = 13845**

Soft SA torn down.

**ERROR\_IPSEC\_IKE\_SRVACQFAIL = 13855**

Failed to obtain the Kerberos server credentials for the Internet Security Association and Key Management Protocol (ISAKMP)/ERROR\_IPSEC\_IKE service. Kerberos authentication will not function. The most likely reason for this is lack of domain membership. This is normal if your computer is a member of a workgroup.

**ERROR\_IPSEC\_IKE\_SRVQUERYCRED = 13856**

Failed to determine the SSPI principal name for ISAKMP/ERROR\_IPSEC\_IKE service (QueryCredentialsAttributes).

**ERROR\_IPSEC\_IKE\_TIMED\_OUT = 13805**

Negotiation timed out.

**ERROR\_IPSEC\_IKE\_TOO\_MANY\_FILTERS = 13896**

Too many dynamically added IKEEXT filters were detected.

**ERROR\_IPSEC\_IKE\_UNEXPECTED\_MESSAGE\_ID = 13888**

Received unexpected message ID.

**ERROR\_IPSEC\_IKE\_UNKNOWN\_DOI = 13862**

Invalid digital object identifier (DOI).

**ERROR\_IPSEC\_IKE\_UNSUPPORTED\_ID = 13869**

Unsupported ID.

**ERROR\_IPSEC\_MM\_AUTH\_EXISTS = 13010**

The specified main mode authentication list exists.

**ERROR\_IPSEC\_MM\_AUTH\_IN\_USE = 13012**

The specified main mode authentication list is being used.

**ERROR\_IPSEC\_MM\_AUTH\_NOT\_FOUND = 13011**

The specified main mode authentication list was not found.

**ERROR\_IPSEC\_MM\_AUTH\_PENDING\_DELETION = 13022**

The main mode authentication bundle is pending deletion.

**ERROR\_IPSEC\_MM\_FILTER\_EXISTS = 13006**

The specified main mode filter already exists.

**ERROR\_IPSEC\_MM\_FILTER\_NOT\_FOUND = 13007**

The specified main mode filter was not found.

**ERROR\_IPSEC\_MM\_FILTER\_PENDING\_DELETION = 13018**

The main mode filter is pending deletion.

**ERROR\_IPSEC\_MM\_POLICY\_EXISTS = 13003**

The specified main mode policy already exists.

**ERROR\_IPSEC\_MM\_POLICY\_IN\_USE = 13005**

The specified main mode policy is being used.

**ERROR\_IPSEC\_MM\_POLICY\_NOT\_FOUND = 13004**

The specified main mode policy was not found.

**ERROR\_IPSEC\_MM\_POLICY\_PENDING\_ELETION = 13021**

The main mode policy is pending deletion.

**ERROR\_IPSEC\_QM\_POLICY\_EXISTS = 13000**

The specified quick mode policy already exists.

**ERROR\_IPSEC\_QM\_POLICY\_IN\_USE = 13002**

The specified quick mode policy is being used.

**ERROR\_IPSEC\_QM\_POLICY\_NOT\_FOUND = 13001**

The specified quick mode policy was not found.

**ERROR\_IPSEC\_QM\_POLICY\_PENDING\_DELETION = 13023**

The quick mode policy is pending deletion.

**ERROR\_IPSEC\_TRANSPORT\_FILTER\_ENDING\_DELETION = 13019**

The transport filter is pending deletion.

**ERROR\_IPSEC\_TRANSPORT\_FILTER\_EXISTS = 13008**

The specified transport mode filter already exists.

**ERROR\_IPSEC\_TRANSPORT\_FILTER\_NOT\_FOUND = 13009**

The specified transport mode filter does not exist.

**ERROR\_IPSEC\_TUNNEL\_FILTER\_EXISTS = 13016**

The specified tunnel mode filter exists.

**ERROR\_IPSEC\_TUNNEL\_FILTER\_NOT\_FOUND = 13017**

The specified tunnel mode filter was not found.

**ERROR\_IPSEC\_TUNNEL\_FILTER\_PENDING\_DELETION = 13020**

The tunnel filter is pending deletion.

**ERROR\_IP\_ADDRESS\_CONFLICT1 = 611**

There is an IP address conflict with another system on the network.

**ERROR\_IP\_ADDRESS\_CONFLICT2 = 612**

There is an IP address conflict with another system on the network.

**ERROR\_IRQ\_BUSY = 1119**

Unable to open a device that was sharing an IRQ with other devices. At least one other device that uses that IRQ was already opened.

**ERROR\_IS\_JOINED = 134**

An attempt was made to use aJOINorSUBSTcommand on a drive that has already been joined.

**ERROR\_IS\_JOIN\_PATH = 147**

Not enough resources are available to process this command.

**ERROR\_IS\_JOIN\_TARGET = 133**

AJOINorSUBSTcommand cannot be used for a drive that contains previously joined drives.

**ERROR\_IS\_SUBSTED = 135**

An attempt was made to use aJOINorSUBSTcommand on a drive that has already been substituted.

**ERROR\_IS\_SUBST\_PATH = 146**

The path specified is being used in a substitute.

**ERROR\_IS\_SUBST\_TARGET = 149**

An attempt was made to join or substitute a drive for which a directory on the drive is the target of a previous substitute.

**ERROR\_ITERATED\_DATA\_EXCEEDS\_64k = 194**

The operating system cannot run %1.

**ERROR\_JOIN\_TO\_JOIN = 138**

The system tried to join a drive to a directory on a joined drive.

**ERROR\_JOIN\_TO\_SUBST = 140**

The system tried to join a drive to a directory on a substituted drive.

**ERROR\_JOURNAL\_DELETE\_IN\_PROGRESS = 1178**

The volume change journal is being deleted.

**ERROR\_JOURNAL\_ENTRY\_DELETED = 1181**

The journal entry has been deleted from the journal.

**ERROR\_JOURNAL\_HOOK\_SET = 1430**

The journal hook procedure is already installed.

**ERROR\_JOURNAL\_NOT\_ACTIVE = 1179**

The volume change journal is not active.

**ERROR\_KEY\_DELETED = 1018**

Illegal operation attempted on a registry key that has been marked for deletion.

**ERROR\_KEY\_HAS\_CHILDREN = 1020**

Cannot create a symbolic link in a registry key that already has subkeys or values.

**ERROR\_KM\_DRIVER\_BLOCKED = 1930**

The printer driver is not compatible with a policy enabled on your computer that blocks Windows NT 4.0 operating system drivers.

**ERROR\_LABEL\_TOO\_LONG = 154**

The volume label you entered exceeds the label character limit of the destination file system.

**ERROR\_LAST\_ADMIN = 1322**

The last remaining administration account cannot be disabled or deleted.

**ERROR\_LB\_WITHOUT\_TABSTOPS = 1434**

This list box does not support tab stops.

**ERROR\_LIBRARY\_FULL = 4322**

Library is full. No slot is available for use.

**ERROR\_LIBRARY\_OFFLINE = 4305**

The operation cannot be performed on an offline library.

**ERROR\_LICENSE\_QUOTA\_EXCEEDED = 1395**

The service being accessed is licensed for a particular number of connections. No more connections can be made to the service at this time because the service has accepted the maximum number of connections.

**ERROR\_LISTBOX\_ID\_NOT\_FOUND = 1416**

The list box identifier was not found.

**ERROR\_LM\_CROSS\_ENCRYPTION\_REQUIRED = 1390**

A cross-encrypted password is necessary to change this user password.

**ERROR\_LOCAL\_USER\_SESSION\_KEY = 1303**

No encryption key is available. A well-known encryption key was returned.

**ERROR\_LOCKED = 212**

The segment is locked and cannot be reallocated.

**ERROR\_LOCK\_FAILED = 167**

Unable to lock a region of a file.

**ERROR\_LOCK\_VIOLATION** = 33

The process cannot access the file because another process has locked a portion of the file.

**ERROR\_LOGIN\_TIME\_RESTRICTION** = 1239

Attempting to log on during an unauthorized time of day for this account.

**ERROR\_LOGIN\_WKSTA\_RESTRICTION** = 1240

The account is not authorized to log on from this station.

**ERROR\_LOGON\_FAILURE** = 1326

Logon failure: Unknown user name or bad password.

**ERROR\_LOGON\_NOT\_GRANTED** = 1380

Logon failure: The user has not been granted the requested logon type at this computer.

**ERROR\_LOGON\_SERVER\_CONFLICT** = 568

The Netlogon service cannot start because another Netlogon service running in the domain conflicts with the specified role.

**ERROR\_LOGON\_SESSION\_COLLISION** = 1366

The logon session ID is already in use.

**ERROR\_LOGON\_SESSION\_EXISTS** = 1363

Cannot start a new logon session with an ID that is already in use.

**ERROR\_LOGON\_TYPE\_NOT\_GRANTED** = 1385

Logon failure: The user has not been granted the requested logon type at this computer.

**ERROR\_LOG\_APPENDED\_FLUSH\_FAILED** = 6647

Records were appended to the log or reservation changes were made, but the log could not be flushed.

**ERROR\_LOG\_ARCHIVE\_IN\_PROGRESS** = 6633

Log archival is in progress.

**ERROR\_LOG\_ARCHIVE\_NOT\_IN\_PROGRESS = 6632**

The operation requires an archive context.

**ERROR\_LOG\_BLOCKS\_EXHAUSTED = 6605**

The log service user marshaling buffers are exhausted.

**ERROR\_LOG\_BLOCK\_INCOMPLETE = 6603**

The log service encountered a partial or incomplete log block.

**ERROR\_LOG\_BLOCK\_INVALID = 6609**

The log service encountered an invalid log block.

**ERROR\_LOG\_BLOCK\_VERSION = 6608**

The log service encountered an invalid log block version.

**ERROR\_LOG\_CANT\_DELETE = 6616**

The log service cannot delete a log file or file system container.

**ERROR\_LOG\_CLIENT\_ALREADY\_REGISTERED = 6636**

A log client has already registered on the stream.

**ERROR\_LOG\_CLIENT\_NOT\_REGISTERED = 6637**

A log client has not been registered on the stream.

**ERROR\_LOG\_CONTAINER\_LIMIT\_EXCEEDED = 6617**

The log service has reached the maximum allowable containers allocated to a log file.

**ERROR\_LOG\_CONTAINER\_OPEN\_FAILED = 6641**

The log service encountered an error when attempting to open a log container.

**ERROR\_LOG\_CONTAINER\_READ\_FAILED = 6639**

The log service encountered an error when attempting to read from a log container.

**ERROR\_LOG\_CONTAINER\_STATE\_INVALID = 6642**

The log service encountered an invalid container state when attempting a requested action.

**ERROR\_LOG\_CONTAINER\_WRITE\_FAILED = 6640**

The log service encountered an error when attempting to write to a log container.

**ERROR\_LOG\_CORRUPTION\_DETECTED = 6817**

The log data is corrupt.

**ERROR\_LOG\_DEDICATED = 6631**

The operation failed because the log is a dedicated log.

**ERROR\_LOG\_EPHEMERAL = 6634**

The operation requires a non-ephemeral log, but the log is ephemeral.

**ERROR\_LOG\_FILE\_FULL = 1502**

The event log file is full.

**ERROR\_LOG\_FULL = 6628**

The log space is exhausted.

**ERROR\_LOG\_FULL\_HANDLER\_IN\_PROGRESS = 6638**

A request has already been made to handle the log full condition.

**ERROR\_LOG\_GROWTH\_FAILED = 6833**

An attempt to create space in the transactional resource manager's log failed. The failure status has been recorded in the event log.

**ERROR\_LOG\_INCONSISTENT\_SECURITY = 6646**

Security on the log and its containers is inconsistent.

**ERROR\_LOG\_INVALID\_RANGE = 6604**

The log service encountered an attempt to access data outside the active log range.

**ERROR\_LOG\_METADATA\_CORRUPT = 6612**

The log service encountered a corrupted metadata file.

**ERROR\_LOG\_METADATA\_FLUSH\_FAILED = 6645**

The log metadata flush failed.

**ERROR\_LOG\_METADATA\_INCONSISTENT = 6614**

The log service encountered a metadata file with inconsistent data.

**ERROR\_LOG\_METADATA\_INVALID = 6613**

The log service encountered a metadata file that could not be created by the log file system.

**ERROR\_LOG\_MULTIPLEXED = 6630**

The log is multiplexed; no direct writes to the physical log are allowed.

**ERROR\_LOG\_NOT\_ENOUGH\_CONTAINERS = 6635**

The log must have at least two containers before it can be read from or written to.

**ERROR\_LOG\_NO\_RESTART = 6611**

The log service encountered a log stream with no restart area.

**ERROR\_LOG\_PINNED = 6644**

The log space cannot be reclaimed because the log is pinned.

**ERROR\_LOG\_PINNED\_ARCHIVE\_TAIL = 6623**

Log space cannot be reclaimed because the log is pinned by the archive tail.

**ERROR\_LOG\_PINNED\_RESERVATION = 6648**

The log is pinned due to reservation consuming most of the log space. Free some reserved records to make space available.

**ERROR\_LOG\_POLICY\_ALREADY\_INSTALLED = 6619**

The log policy could not be installed because a policy of the same type is already present.

**ERROR\_LOG\_POLICY\_CONFLICT = 6622**

A policy on the log in question prevented the operation from completing.

**ERROR\_LOG\_POLICY\_INVALID = 6621**

The installed set of policies on the log is invalid.

**ERROR\_LOG\_POLICY\_NOT\_INSTALLED = 6620**

The log policy in question was not installed at the time of the request.

**ERROR\_LOG\_READ\_CONTEXT\_INVALID = 6606**

The log service encountered an attempt to read from a marshaling area with an invalid read context.

**ERROR\_LOG\_READ\_MODE\_INVALID = 6610**

The log service encountered an attempt to read the log with an invalid read mode.

**ERROR\_LOG\_RECORDS\_RESERVED\_INVALID = 6625**

The number of reserved log records or the adjustment of the number of reserved log records is invalid.

**ERROR\_LOG\_RECORD\_NONEXISTENT = 6624**

The log record is not a record in the log file.

**ERROR\_LOG\_RESERVATION\_INVALID = 6615**

The log service encountered an attempt to erroneously allocate or dispose reservation space.

**ERROR\_LOG\_RESIZE\_INVALID\_SIZE = 6806**

The requested log size is invalid.

**ERROR\_LOG\_RESTART\_INVALID = 6607**

The log service encountered an invalid log restart area.

**ERROR\_LOG\_SECTOR\_INVALID = 6600**

The log service encountered an invalid log sector.

**ERROR\_LOG\_SECTOR\_PARITY\_INVALID = 6601**

The log service encountered a log sector with invalid block parity.

**ERROR\_LOG\_SECTOR\_REMAPPED = 6602**

The log service encountered a remapped log sector.

**ERROR\_LOG\_SPACE\_RESERVED\_INVALID = 6626**

The reserved log space or the adjustment of the log space is invalid.

**ERROR\_LOG\_START\_OF\_LOG = 6618**

The log service has attempted to read or write backward past the start of the log.

**ERROR\_LOG\_STATE\_INVALID = 6643**

The log service is not in the correct state to perform a requested action.

**ERROR\_LOG\_TAIL\_INVALID = 6627**

A new or existing archive tail or base of the active log is invalid.

**ERROR\_LONGJUMP = 682**

A long jump has been executed.

**ERROR\_LOST\_WRITEBEHIND\_DATA = 596**

{Delayed Write Failed} Windows was unable to save all the data for the file %hs. The data has been lost. This error might be caused by a failure of your computer hardware or network connection. Try to save this file elsewhere.

**ERROR\_LOST\_WRITEBEHIND\_DATA\_LOCAL\_DISK\_ERROR = 790**

{Delayed Write Failed} Windows was unable to save all the data for the file %hs; the data has been lost. This error can be caused if the device has been removed or the media is write-protected.

**ERROR\_LOST\_WRITEBEHIND\_DATA\_NETWORK\_DISCONNECTED = 788**

{Delayed Write Failed} Windows was unable to save all the data for the file %hs; the data has been lost. This error can be caused by network connectivity issues. Try to save this file elsewhere.

**ERROR\_LOST\_WRITEBEHIND\_DATA\_NETWORK\_SERVER\_ERROR = 789**

{Delayed Write Failed} Windows was unable to save all the data for the file %hs; the data has been lost. This error was returned by the server on which the file exists. Try to save this file elsewhere.

**ERROR\_LUIDS\_EXHAUSTED = 1334**

No more LUIDs are available.

**ERROR\_MACHINE\_LOCKED = 1271**

The machine is locked and cannot be shut down without the force option.

**ERROR\_MAGAZINE\_NOT\_PRESENT = 1163**

The indicated element is part of a magazine that is not present.

**ERROR\_MALFORMED\_SUBSTITUTION\_STRING = 14094**

A string containing localized substitutable content was malformed. Either a dollar sign (\$) was followed by something other than a left parenthesis or another dollar sign, or a substitution's right parenthesis was not found.

#### **ERROR\_MAPPED\_ALIGNMENT = 1132**

The base address or the file offset specified does not have the proper alignment.

#### **ERROR\_MARSHALL\_OVERFLOW = 603**

The user/kernel marshaling buffer has overflowed.

#### **ERROR\_MAX\_SESSIONS\_REACHED = 353**

The maximum number of sessions has been reached.

#### **ERROR\_MAX\_THRDS\_REACHED = 164**

No more threads can be created in the system.

#### **ERROR\_MCA\_EXCEPTION = 784**

A thread is getting dispatched with MCA EXCEPTION because of MCA.

#### **ERROR\_MCA\_INTERNAL\_ERROR = 15205**

An internal monitor configuration API error occurred.

#### **ERROR\_MCA\_INVALID\_CAPABILITIES\_STRING = 15200**

The monitor returned a DDC/CI capabilities string that did not comply with the ACCESS.bus 3.0, DDC/CI 1.1, or MCCS 2 Revision 1 specification.

#### **ERROR\_MCA\_INVALID TECHNOLOGY\_TYPE\_RETURNED = 15206**

The monitor returned an invalid monitor technology type. CRT, plasma, and LCD (TFT) are examples of monitor technology types. This error implies that the monitor violated the MCCS 2.0 or MCCS 2.0 Revision 1 specification.

#### **ERROR\_MCA\_INVALID\_VCP\_VERSION = 15201**

The monitor's VCP version (0xDF) VCP code returned an invalid version value.

#### **ERROR\_MCA\_MCCS\_VERSION\_MISMATCH = 15203**

The MCCS version in a monitor's mccs\_ver capability does not match the MCCS version the monitor reports when the VCP version (0xDF) VCP code is used.

**ERROR\_MCA\_MONITOR\_VIOLATES\_MCCS\_SPECIFICATION = 15202**

The monitor does not comply with the MCCS specification it claims to support.

**ERROR\_MCA\_OCCURRED = 651**

A machine check error has occurred. Check the system event log for additional information.

**ERROR\_MCA\_UNSUPPORTED\_COLOR\_TEMPERATURE = 15207**

The SetMonitorColorTemperature() caller passed a color temperature to it that the current monitor did not support. CRT, plasma, and LCD (TFT) are examples of monitor technology types. This error implies that the monitor violated the MCCS 2.0 or MCCS 2.0 Revision 1 specification.

**ERROR\_MCA\_UNSUPPORTED\_MCCS\_VERSION = 15204**

The monitor configuration API works only with monitors that support the MCCS 1.0, MCCS 2.0, or MCCS 2.0 Revision 1 specifications.

**ERROR\_MEDIA\_CHANGED = 1110**

The media in the drive might have changed.

**ERROR\_MEDIA\_CHECK = 679**

{Media Changed} The media might have changed.

**ERROR\_MEDIA\_INCOMPATIBLE = 4315**

The medium is not compatible with the device or media pool.

**ERROR\_MEDIA\_NOT\_AVAILABLE = 4318**

The media is not mounted or ready for use.

**ERROR\_MEDIA\_OFFLINE = 4304**

The medium currently exists in an offline library and must be online to perform this operation.

**ERROR\_MEDIA\_UNAVAILABLE = 4308**

No media is currently available in this media pool or library.

**ERROR\_MEDIUM\_NOT\_ACCESSIBLE = 4323**

The transport cannot access the medium.

**ERROR\_MEMBERS\_PRIMARY\_GROUP = 1374**

The user cannot be removed from a group because the group is currently the user's primary group.

**ERROR\_MEMBER\_IN\_ALIAS = 1378**

The specified account name is already a member of the group.

**ERROR\_MEMBER\_IN\_GROUP = 1320**

Either the specified user account is already a member of the specified group, or the specified group cannot be deleted because it contains a member.

**ERROR\_MEMBER\_NOT\_IN\_ALIAS = 1377**

The specified account name is not a member of the group.

**ERROR\_MEMBER\_NOT\_IN\_GROUP = 1321**

The specified user account is not a member of the specified group account.

**ERROR\_MEMORY\_HARDWARE = 779**

The hardware has reported an uncorrectable memory error.

**ERROR\_MENU\_ITEM\_NOT\_FOUND = 1456**

A menu item was not found.

**ERROR\_MESSAGE\_EXCEEDS\_MAX\_SIZE = 4336**

The message provided exceeds the maximum size allowed for this parameter.

**ERROR\_MESSAGE\_SYNC\_ONLY = 1159**

The message can be used only with synchronous operations.

**ERROR\_METAFILE\_NOT\_SUPPORTED = 2003**

The requested metafile operation is not supported.

**ERROR\_META\_EXPANSION\_TOO\_LONG = 208**

The asterisk (\*) or question mark (?) global file name characters are entered incorrectly, or too many global file name characters are specified.

**ERROR\_MINIVERSION\_INACCESSIBLE\_FROM\_SPECIFIED\_TRANSACTION = 6810**

A miniversion can only be opened in the context of the transaction that created it.

**ERROR\_MISSING\_SYSTEMFILE = 573**

{Missing System File} The required system file %hs is bad or missing.

**ERROR\_MOD\_NOT\_FOUND = 126**

The specified module could not be found.

**ERROR\_MORE\_DATA = 234**

More data is available.

**ERROR\_MORE\_WRITES = 1120**

A serial I/O operation was completed by another write to the serial port. (The IOCTL\_SERIAL\_XOFF\_COUNTER reached zero.)

**ERROR\_MOUNT\_POINT\_NOT\_RESOLVED = 649**

The create operation failed because the name contained at least one mount point that resolves to a volume to which the specified device object is not attached.

**ERROR\_MP\_PROCESSOR\_MISMATCH = 725**

The CPUs in this multiprocessor system are not all the same revision level. To use all processors the operating system restricts itself to the features of the least capable processor in the system. If problems occur with this system, contact the CPU manufacturer to see if this mix of processors is supported.

**ERROR\_MR\_MID\_NOT\_FOUND = 317**

The system cannot find message text for message number 0x%1 in the message file for %2.

**ERROR\_MUI\_FILE\_NOT\_FOUND = 15100**

The resource loader failed to find the Multilingual User Interface (MUI) file.

**ERROR\_MUI\_FILE\_NOT\_LOADED = 15105**

The resource loader cache does not have a loaded MUI entry.

**ERROR\_MUI\_INTLSETTINGS\_INVALID\_LOCALE\_NAME = 15108**

Locale installation failed.

**ERROR\_MUI\_INLSETTINGS\_UILANG\_NOT\_INSTALLED = 15107**

User interface language installation failed.

**ERROR\_MUI\_INVALID\_FILE = 15101**

The resource loader failed to load the MUI file because the file failed to pass validation.

**ERROR\_MUI\_INVALID\_LOCALE\_NAME = 15103**

The RC manifest has an invalid culture name.

**ERROR\_MUI\_INVALID\_RC\_CONFIG = 15102**

The release candidate (RC) manifest is corrupted with garbage data, is an unsupported version, or is missing a required item.

**ERROR\_MUI\_INVALID\_ULTIMATEFALLBACK\_NAME = 15104**

The RC Manifest has an invalid ultimate fallback name.

**ERROR\_MUTANT\_LIMIT\_EXCEEDED = 587**

An attempt was made to acquire a mutant such that its maximum count would have been exceeded.

**ERROR\_MUTUAL\_AUTH\_FAILED = 1397**

Mutual authentication failed. The server's password is out of date at the domain controller.

**ERROR\_NEGATIVE\_SEEK = 131**

An attempt was made to move the file pointer before the beginning of the file.

**ERROR\_NESTING\_NOT\_ALLOWED = 215**

Cannot nest calls to LoadModule.

**ERROR\_NETLOGON\_NOT\_STARTED = 1792**

An attempt was made to log on, but the network logon service was not started.

**ERROR\_NETNAME\_DELETED = 64**

The specified network name is no longer available.

**ERROR\_NETWORK\_ACCESS\_DENIED = 65**

Network access is denied.

**ERROR\_NETWORK\_BUSY = 54**

The network is busy.

**ERROR\_NETWORK\_NOT\_AVAILABLE = 5035**

A cluster network is not available for this operation.

**ERROR\_NETWORK\_UNREACHABLE = 1231**

The network location cannot be reached. For information about network troubleshooting, see Windows Help.

**ERROR\_NET\_OPEN\_FAILED = 570**

The NtCreateFile API failed. This error should never be returned to an application, it is a place holder for the Windows LAN Manager Redirector to use in its internal error mapping routines.

**ERROR\_NET\_WRITEFAULT = 88**

A write fault occurred on the network.

**ERROR\_NOACCESS = 998**

Invalid access to memory location.

**ERROR\_NODE\_CANNOT\_BE\_CLUSTERED = 5898**

This computer cannot be made a member of a cluster.

**ERROR\_NODE\_CANT\_HOST\_RESOURCE = 5071**

The cluster resource cannot be brought online. The owner node cannot run this resource.

**ERROR\_NODE\_NOT\_AVAILABLE = 5036**

A cluster node is not available for this operation.

**ERROR\_NOINTERFACE = 632**

The requested interface is not supported.

**ERROR\_NOLOGON\_INTERDOMAIN\_TRUST\_ACCOUNT = 1807**

The account used is an interdomain trust account. Use your global user account or local user account to access this server.

**ERROR\_NOLOGON\_SERVER\_TRUST\_ACCOUNT = 1809**

The account used is a server trust account. Use your global user account or local user account to access this server.

**ERROR\_NOLOGON\_WORKSTATION\_TRUST\_ACCOUNT = 1808**

The account used is a computer account. Use your global user account or local user account to access this server.

**ERROR\_NONE\_MAPPED = 1332**

No mapping between account names and SIDs was done.

**ERROR\_NONPAGED\_SYSTEM\_RESOURCES = 1451**

Insufficient system resources exist to complete the requested service.

**ERROR\_NON\_ACCOUNT\_SID = 1257**

The security identifier provided is not from an account domain.

**ERROR\_NON\_DOMAIN\_SID = 1258**

The security identifier provided does not have a domain component.

**ERROR\_NON\_MDICHILD\_WINDOW = 1445**

Cannot process a message from a window that is not a multiple document interface (MDI) window.

**ERROR\_NOTHING\_TO\_TERMINATE = 758**

A process being terminated has no threads to terminate.

**ERROR\_NOTIFY\_CLEANUP = 745**

This indicates that a notify change request has been completed due to closing the handle which made the notify change request.

**ERROR\_NOTIFY\_ENUM\_DIR = 1022**

A notify change request is being completed and the information is not being returned in the caller's buffer. The caller now needs to enumerate the files to find the changes.

**ERROR\_NOT\_ALL\_ASSIGNED = 1300**

Not all privileges or groups referenced are assigned to the caller.

**ERROR\_NOT\_AUTHENTICATED = 1244**

The operation being requested was not performed because the user has not been authenticated.

**ERROR\_NOT\_A\_REPARSE\_POINT = 4390**

The file or directory is not a reparse point.

**ERROR\_NOT\_CAPABLE = 775**

The implementation is not capable of performing the request.

**ERROR\_NOT\_CHILD\_WINDOW = 1442**

The window is not a child window.

**ERROR\_NOT\_CONTAINER = 1207**

Cannot enumerate a noncontainer.

**ERROR\_NOT\_DOS\_DISK = 26**

The specified disk cannot be accessed.

**ERROR\_NOT\_EMPTY = 4307**

The library, drive, or media pool must be empty to perform this operation.

**ERROR\_NOT\_ENOUGH\_MEMORY = 8**

Not enough storage is available to process this command.

**ERROR\_NOT\_ENOUGH\_QUOTA = 1816**

Not enough quota is available to process this command.

**ERROR\_NOT\_ENOUGH\_SERVER\_MEMORY = 1130**

Not enough server storage is available to process this command.

**ERROR\_NOT\_EXPORT\_FORMAT = 6008**

The specified file is not in the defined EFS export format.

**ERROR\_NOT\_FOUND = 1168**

Element not found.

**ERROR\_NOT\_JOINED = 136**

The system tried to delete the JOIN of a drive that is not joined.

**ERROR\_NOT\_LOCKED = 158**

The segment is already unlocked.

**ERROR\_NOT\_LOGGED\_ON = 1245**

The operation being requested was not performed because the user has not logged on to the network. The specified service does not exist.

**ERROR\_NOT\_LOGON\_PROCESS = 1362**

The requested action is restricted for use by logon processes only. The calling process has not registered as a logon process.

**ERROR\_NOT\_OWNER = 288**

Attempt to release mutex not owned by caller.

**ERROR\_NOT\_QUORUM\_CAPABLE = 5021**

The cluster could not make the specified resource a quorum resource because it is not capable of being a quorum resource.

**ERROR\_NOT\_QUORUM\_CLASS = 5025**

The cluster could not make the specified resource a quorum resource because it does not belong to a shared storage class.

**ERROR\_NOT\_READY = 21**

The device is not ready.

**ERROR\_NOT\_REGISTRY\_FILE = 1017**

The system attempted to load or restore a file into the registry, but the specified file is not in a registry file format.

**ERROR\_NOT\_SAFEBOOT\_SERVICE = 1084**

This service cannot be started in Safe Mode.

**ERROR\_NOT\_SAFE\_MODE\_DRIVER = 646**

The driver was not loaded because the system is booting into safe mode.

**ERROR\_NOT\_SAME\_DEVICE** = 17

The system cannot move the file to a different disk drive.

**ERROR\_NOT\_SNAPSHOT\_VOLUME** = 6841

The target volume is not a snapshot volume. This operation is only valid on a volume mounted as a snapshot.

**ERROR\_NOT\_SUBSTED** = 137

The system tried to delete the substitution of a drive that is not substituted.

**ERROR\_NOT\_SUPPORTED** = 50

The request is not supported.

**ERROR\_NOT\_SUPPORTED\_ON\_SBS** = 1254

This operation is not supported on a computer running Windows Server 2003 operating system for Small Business Server.

**ERROR\_NOT\_SUPPORTED\_ON\_STANDARD\_SERVER** = 8584

The requested action is not supported on a standard server.

**ERROR\_NOT\_TINY\_STREAM** = 598

The stream is not a tiny stream.

**ERROR\_NO\_ASSOCIATION** = 1155

No application is associated with the specified file for this operation.

**ERROR\_NO\_BROWSER\_SERVERS\_FOUND** = 6118

The list of servers for this workgroup is not currently available

**ERROR\_NO\_CALLBACK\_ACTIVE** = 614

A callback return system service cannot be executed when no callback is active.

**ERROR\_NO\_DATA** = 232

The pipe is being closed.

**ERROR\_NO\_DATA\_DETECTED = 1104**

No more data is on the tape.

**ERROR\_NO\_EFS = 6004**

The required encryption driver is not loaded for this system.

**ERROR\_NO\_EVENT\_PAIR = 580**

An event pair synchronization operation was performed using the thread-specific client/server event pair object, but no event pair object was associated with the thread.

**ERROR\_NO\_GUID\_TRANSLATION = 560**

Indicates that an attempt was made to assign protection to a file system file or directory and one of the SIDs in the security descriptor could not be translated into a GUID that could be stored by the file system. This causes the protection attempt to fail, which might cause a file creation attempt to fail.

**ERROR\_NO\_IMPERSONATION\_TOKEN = 1309**

An attempt has been made to operate on an impersonation token by a thread that is not currently impersonating a client.

**ERROR\_NO\_INHERITANCE = 1391**

Indicates an ACL contains no inheritable components.

**ERROR\_NO\_LOGON\_SERVERS = 1311**

There are currently no logon servers available to service the logon request.

**ERROR\_NO\_LOG\_SPACE = 1019**

System could not allocate the required space in a registry log.

**ERROR\_NO\_MATCH = 1169**

There was no match for the specified key in the index.

**ERROR\_NO\_MEDIA\_IN\_DRIVE = 1112**

No media in drive.

**ERROR\_NO\_MORE\_DEVICES = 1248**

No more local devices.

**ERROR\_NO\_MORE\_FILES = 18**

There are no more files.

**ERROR\_NO\_MORE\_ITEMS = 259**

No more data is available.

**ERROR\_NO\_MORE\_MATCHES = 626**

There are no more matches for the current index enumeration.

**ERROR\_NO\_MORE\_SEARCH\_HANDLES = 113**

No more internal file identifiers are available.

**ERROR\_NO\_MORE\_USER\_HANDLES = 1158**

The current process has used all of its system allowance of handles for Windows manager objects.

**ERROR\_NO\_NETWORK = 1222**

The network is not present or not started.

**ERROR\_NO\_NET\_OR\_BAD\_PATH = 1203**

The network path was either typed incorrectly, does not exist, or the network provider is not currently available. Try retyping the path or contact your network administrator.

**ERROR\_NO\_PAGEFILE = 578**

{No Paging File Specified} No paging file was specified in the system configuration.

**ERROR\_NO\_PROC\_SLOTS = 89**

The system cannot start another process at this time.

**ERROR\_NO\_PROMOTION\_ACTIVE = 8222**

A domain controller promotion is not currently active.

**ERROR\_NO\_QUOTAS\_FOR\_ACCOUNT = 1302**

No system quota limits are specifically set for this account.

**ERROR\_NO\_RECOVERY\_POLICY = 6003**

There is no valid encryption recovery policy configured for this system.

**ERROR\_NO\_RECOVERY\_PROGRAM = 1082**

No recovery program has been configured for this service.

**ERROR\_NO\_SAVEPOINT\_WITH\_OPEN\_FILES = 6842**

The savepoint operation failed because files are open on the transaction. This is not permitted.

**ERROR\_NO\_SCROLLBARS = 1447**

The window does not have scroll bars.

**ERROR\_NO\_SECRETS = 8620**

The local account store does not contain secret material for the specified account.

**ERROR\_NO\_SECURITY\_ON\_OBJECT = 1350**

Unable to perform a security operation on an object that has no associated security.

**ERROR\_NO\_SHUTDOWN\_IN\_PROGRESS = 1116**

Unable to abort the system shutdown because no shutdown was in progress.

**ERROR\_NO\_SIGNAL\_SENT = 205**

No process in the command subtree has a signal handler.

**ERROR\_NO\_SITENAME = 1919**

No site name is available for this machine.

**ERROR\_NO\_SITE\_SETTINGS\_OBJECT = 8619**

The site settings object for the specified site does not exist.

**ERROR\_NO\_SPOOL\_SPACE = 62**

Space to store the file waiting to be printed is not available on the server.

**ERROR\_NO SUCH\_ALIAS = 1376**

The specified local group does not exist.

**ERROR\_NO SUCH\_DOMAIN = 1355**

The specified domain either does not exist or could not be contacted.

**ERROR\_NO\_SUCH\_GROUP = 1319**

The specified group does not exist.

**ERROR\_NO\_SUCH\_LOGON\_SESSION = 1312**

A specified logon session does not exist. It might already have been terminated.

**ERROR\_NO\_SUCH\_MEMBER = 1387**

A member could not be added to or removed from the local group because the member does not exist.

**ERROR\_NO\_SUCH\_PACKAGE = 1364**

A specified authentication package is unknown.

**ERROR\_NO\_SUCH\_PRIVILEGE = 1313**

A specified privilege does not exist.

**ERROR\_NO\_SUCH\_SITE = 1249**

The specified site does not exist.

**ERROR\_NO\_SUCH\_USER = 1317**

The specified account does not exist.

**ERROR\_NO\_SUPPORTING\_DRIVES = 4339**

This offline media cannot be mounted on this system because no enabled drives are present that can be used.

**ERROR\_NO\_SYSTEM\_MENU = 1437**

The window does not have a system menu.

**ERROR\_NO\_SYSTEM\_RESOURCES = 1450**

Insufficient system resources exist to complete the requested service.

**ERROR\_NO\_TOKEN = 1008**

An attempt was made to reference a token that does not exist.

**ERROR\_NO\_TRACKING\_SERVICE = 1172**

The tracking (workstation) service is not running.

**ERROR\_NO\_TRUST\_LSA\_SECRET = 1786**

The workstation does not have a trust secret.

**ERROR\_NO\_TRUST\_SAM\_ACCOUNT = 1787**

The security database on the server does not have a computer account for this workstation trust relationship.

**ERROR\_NO\_TXF\_METADATA = 6816**

There is no transaction metadata on the file.

**ERROR\_NO\_UNICODE\_TRANSLATION = 1113**

No mapping for the Unicode character exists in the target multibyte code page.

**ERROR\_NO\_USER\_KEYS = 6006**

There are no Encrypting File System (EFS) keys defined for the user.

**ERROR\_NO\_USER\_SESSION\_KEY = 1394**

There is no user session key for the specified logon session.

**ERROR\_NO\_VOLUME\_ID = 1173**

The volume ID could not be found.

**ERROR\_NO\_VOLUME\_LABEL = 125**

The disk has no volume label.

**ERROR\_NO\_WILDCARD\_CHARACTERS = 1417**

No wildcards were found.

**ERROR\_NO\_WRITABLE\_DC\_FOUND = 8621**

Could not find a writable domain controller in the domain.

**ERROR\_NO\_YIELD\_PERFORMED = 721**

A yield execution was performed and no thread was available to run.

**ERROR\_NT\_CROSS\_ENCRYPTION\_REQUIRED = 1386**

A cross-encrypted password is necessary to change a user password.

**ERROR\_NULL\_LM\_PASSWORD = 1304**

The password is too complex to be converted to a LAN Manager password. The LAN Manager password returned is a null string.

**ERROR\_OBJECT\_ALREADY\_EXISTS = 5010**

The object already exists.

**ERROR\_OBJECT\_IN\_LIST = 5011**

The object is already in the list.

**ERROR\_OBJECT\_NAME\_EXISTS = 698**

{Object Exists} An attempt was made to create an object and the object name already existed.

**ERROR\_OBJECT\_NOT\_FOUND = 4312**

The object identifier does not represent a valid object.

**ERROR\_OBJECT\_NO\_LONGER\_EXISTS = 6807**

The object (file, stream, link) corresponding to the handle has been deleted by a transaction savepoint rollback.

**ERROR\_OLD\_WIN\_VERSION = 1150**

The specified program requires a newer version of Windows.

**ERROR\_ONLY\_IF\_CONNECTED = 1251**

This operation is supported only when you are connected to the server.

**ERROR\_OPEN\_FAILED = 110**

The system cannot open the device or file specified.

**ERROR\_OPERATION\_ABORTED = 995**

The I/O operation has been aborted because of either a thread exit or an application request.

**ERROR\_OPLOCK\_BREAK\_IN\_PROGRESS = 742**

An open/create operation completed while an oplock break is underway.

**ERROR\_OLOCK\_NOT\_GRANTED = 300**

The oplock request is denied.

**ERROR\_OUTOFMEMORY = 14**

Not enough storage is available to complete this operation.

**ERROR\_OUT\_OF\_PAPER = 28**

The printer is out of paper.

**ERROR\_OUT\_OF\_STRUCTURES = 84**

Storage to process this request is not available.

**ERROR\_OVERRIDE\_NOCHANGES = 1252**

The group policy framework should call the extension even if there are no changes.

**ERROR\_PAGED\_SYSTEM\_RESOURCES = 1452**

Insufficient system resources exist to complete the requested service.

**ERROR\_PAGEFILE\_CREATE\_FAILED = 576**

{Unable to Create Paging File} The creation of the paging file %hs failed (%lx). The requested size was %Id.

**ERROR\_PAGEFILE\_QUOTA = 1454**

Insufficient quota to complete the requested service.

**ERROR\_PAGEFILE\_QUOTA\_EXCEEDED = 567**

Page file quota was exceeded.

**ERROR\_PAGE\_FAULT\_COPY\_ON\_WRITE = 749**

Page fault was a demand zero fault.

**ERROR\_PAGE\_FAULT\_DEMAND\_ZERO = 748**

Page fault was a demand zero fault.

**ERROR\_PAGE\_FAULT\_GUARD\_PAGE = 750**

Page fault was a demand zero fault.

**ERROR\_PAGE\_FAULT\_PAGING\_FILE = 751**

Page fault was satisfied by reading from a secondary storage device.

**ERROR\_PAGE\_FAULT\_TRANSITION = 747**

Page fault was a transition fault.

**ERROR\_PARAMETER\_QUOTA\_EXCEEDED = 1283**

Data present in one of the parameters is more than the function can operate on.

**ERROR\_PARTIAL\_COPY = 299**

Only part of a ReadProcessMemory or WriteProcessMemory request was completed.

**ERROR\_PARTITION\_FAILURE = 1105**

Tape could not be partitioned.

**ERROR\_PASSWORD\_EXPIRED = 1330**

Logon failure: The specified account password has expired.

**ERROR\_PASSWORD\_MUST\_CHANGE = 1907**

The user's password must be changed before logging on the first time.

**ERROR\_PASSWORD\_RESTRICTION = 1325**

Unable to update the password. The value provided for the new password does not meet the length, complexity, or history requirements of the domain.

**ERROR\_PATCH\_MANAGED\_ADVERTISED\_PRODUCT = 1651**

Windows Installer does not permit updating of managed advertised products. At least one feature of the product must be installed before applying the update.

**ERROR\_PATCH\_NO\_SEQUENCE = 1648**

No valid sequence could be found for the set of updates.

**ERROR\_PATCH\_PACKAGE\_INVALID = 1636**

This update package could not be opened. Contact the application vendor to verify that this is a valid Windows Installer update package.

## **ERROR\_PATCH\_PACKAGE\_OPEN\_FAILED = 1635**

This update package could not be opened. Verify that the update package exists and that you can access it, or contact the application vendor to verify that this is a valid Windows Installer update package.

## **ERROR\_PATCH\_PACKAGE\_REJECTED = 1643**

The update package is not permitted by a software restriction policy.

## **ERROR\_PATCH\_PACKAGE\_UNSUPPORTED = 1637**

This update package cannot be processed by the Windows Installer service. You must install a Windows service pack that contains a newer version of the Windows Installer service.

## **ERROR\_PATCH\_REMOVAL\_DISALLOWED = 1649**

Update removal was disallowed by policy.

## **ERROR\_PATCH\_REMOVAL\_UNSUPPORTED = 1646**

Uninstallation of the update package is not supported.

## **ERROR\_PATCH\_TARGET\_NOT\_FOUND = 1642**

The upgrade cannot be installed by the Windows Installer service because the program to be upgraded might be missing, or the upgrade might update a different version of the program. Verify that the program to be upgraded exists on your computer and that you have the correct upgrade.

## **ERROR\_PATH\_BUSY = 148**

The path specified cannot be used at this time.

## **ERROR\_PATH\_NOT\_FOUND = 3**

The system cannot find the path specified.

## **ERROR\_PER\_USER\_TRUST\_QUOTA\_EXCEEDED = 1932**

The current user's delegated trust creation quota has been exceeded.

## **ERROR\_PIPE\_BUSY = 231**

All pipe instances are busy.

## **ERROR\_PIPE\_CONNECTED = 535**

There is a process on the other end of the pipe.

**ERROR\_PIPE\_LISTENING = 536**

Waiting for a process to open the other end of the pipe.

**ERROR\_PIPE\_LOCAL = 229**

The pipe is local.

**ERROR\_PIPE\_NOT\_CONNECTED = 233**

No process is on the other end of the pipe.

**ERROR\_PKINIT\_FAILURE = 1263**

The Kerberos protocol encountered an error while validating the KDC certificate during smartcard logon. There is more information in the system event log.

**ERROR\_PLUGPLAY\_QUERY\_VETOED = 683**

The Plug and Play query operation was not successful.

**ERROR\_PNP\_BAD\_MPS\_TABLE = 671**

A device is missing in the system BIOS MultiProcessor Specification (MPS) table. This device will not be used. Contact your system vendor for system BIOS update.

**ERROR\_PNP\_INVALID\_ID = 674**

Driver %2 returned invalid ID for a child device (%3).

**ERROR\_PNP\_IRQ\_TRANSLATION\_FAILED = 673**

An interrupt request (IRQ) translator failed to translate resources.

**ERROR\_PNP\_REBOOT\_REQUIRED = 638**

Device will not start without a reboot.

**ERROR\_PNP\_RESTART\_ENUMERATION = 636**

A device was removed so enumeration must be restarted.

**ERROR\_PNP\_TRANSLATION\_FAILED = 672**

A translator failed to translate resources.

**ERROR\_POINT\_NOT\_FOUND = 1171**

The point passed to GetMouseMovePoints is not in the buffer.

**ERROR\_POLICY\_OBJECT\_NOT\_FOUND = 8219**

The policy object does not exist.

**ERROR\_POLICY\_ONLY\_IN\_DS = 8220**

The requested policy information is only in the directory service.

**ERROR\_POPUP\_ALREADY\_ACTIVE = 1446**

Pop-up menu already active.

**ERROR\_PORT\_MESSAGE\_TOO\_LONG = 546**

Length of message passed to NtRequestPort or NtRequestWaitReplyPort was longer than the maximum message allowed by the port.

**ERROR\_PORT\_NOT\_SET = 642**

An attempt to remove a process DebugPort was made, but a port was not already associated with the process.

**ERROR\_PORT\_UNREACHABLE = 1234**

No service is operating at the destination network endpoint on the remote system.

**ERROR\_POSSIBLE\_DEADLOCK = 1131**

A potential deadlock condition has been detected.

**ERROR\_POTENTIAL\_FILE\_FOUND = 1180**

A file was found, but it might not be the correct file.

**ERROR\_PREDEFINED\_HANDLE = 714**

The specified registry key is referenced by a predefined handle.

**ERROR\_PRIMARY\_TRANSPORT\_CONNECT\_FAILED = 746**

{Connect Failure on Primary Transport} An attempt was made to connect to the remote server %hs on the primary transport, but the connection failed. The computer was able to connect on a secondary transport.

**ERROR\_PRINTER\_ALREADY\_EXISTS = 1802**

The printer already exists.

**ERROR\_PRINTER\_DELETED = 1905**

The specified printer has been deleted.

**ERROR\_PRINTER\_DRIVER\_ALREADY\_INSTALLED = 1795**

The specified printer driver is already installed.

**ERROR\_PRINTER\_DRIVER\_BLOCKED = 3014**

The printer driver is known to harm the system.

**ERROR\_PRINTER\_DRIVER\_DOWNLOAD\_NEEDED = 3019**

The specified printer driver was not found on the system and needs to be downloaded.

**ERROR\_PRINTER\_DRIVER\_IN\_USE = 3001**

The specified printer driver is currently in use.

**ERROR\_PRINTER\_DRIVER\_PACKAGE\_IN\_USE = 3015**

The specified printer driver package is currently in use.

**ERROR\_PRINTER\_DRIVER\_WARNED = 3013**

The printer driver is known to be unreliable.

**ERROR\_PRINTER\_HAS\_JOBS\_QUEUED = 3009**

The requested operation is not allowed when there are jobs queued to the printer.

**ERROR\_PRINTER\_NOT\_FOUND = 3012**

No printers were found.

**ERROR\_PRINTER\_NOT\_SHAREABLE = 3022**

The specified printer cannot be shared.

**ERROR\_PRINTQ\_FULL = 61**

The print queue is full.

**ERROR\_PRINT\_CANCELLED** = 63

Your file waiting to be printed was deleted.

**ERROR\_PRINT\_MONITOR\_ALREADY\_INSTALLED** = 3006

The specified print monitor has already been installed.

**ERROR\_PRINT\_MONITOR\_IN\_USE** = 3008

The specified print monitor is currently in use.

**ERROR\_PRINT\_PROCESSOR\_ALREADY\_INSTALLED** = 3005

The specified print processor has already been installed.

**ERROR\_PRIVATE\_DIALOG\_INDEX** = 1415

Using private DIALOG window words.

**ERROR\_PRIVILEGE\_NOT\_HELD** = 1314

A required privilege is not held by the client.

**ERROR\_PROCESS\_ABORTED** = 1067

The process terminated unexpectedly.

**ERROR\_PROCESS\_IN\_JOB** = 760

The specified process is part of a job.

**ERROR\_PROCESS\_IS\_PROTECTED** = 1293

Either the target process, or the target thread's containing process, is a protected process.

**ERROR\_PROCESS\_MODE\_ALREADY\_BACKGROUND** = 402

The process is already in background processing mode.

**ERROR\_PROCESS\_MODE\_NOT\_BACKGROUND** = 403

The process is not in background processing mode.

**ERROR\_PROCESS\_NOT\_IN\_JOB** = 759

The specified process is not part of a job.

**ERROR\_PROC\_NOT\_FOUND = 127**

The specified procedure could not be found.

**ERROR\_PRODUCT\_UNINSTALLED = 1614**

Product is uninstalled.

**ERROR\_PRODUCT\_VERSION = 1638**

Another version of this product is already installed. Installation of this version cannot continue. To configure or remove the existing version of this product, use Add/Remove Programs in Control Panel.

**ERROR\_PROFILE\_DOES\_NOT\_MATCH\_DEVICE = 2023**

The specified profile is intended for a device of a different type than the specified device.

**ERROR\_PROFILE\_NOT\_ASSOCIATED\_WITH\_DEVICE = 2015**

The specified color profile is not associated with any device.

**ERROR\_PROFILE\_NOT\_FOUND = 2016**

The specified color profile was not found.

**ERROR\_PROFILING\_AT\_LIMIT = 553**

The number of active profiling objects is at the maximum and no more can be started.

**ERROR\_PROFILING\_NOT\_STARTED = 550**

Profiling not started.

**ERROR\_PROFILING\_NOT\_STOPPED = 551**

Profiling not stopped.

**ERROR\_PROMOTION\_ACTIVE = 8221**

A domain controller promotion is currently active.

**ERROR\_PROTOCOL\_UNREACHABLE = 1233**

The network location cannot be reached. For information about network troubleshooting, see Windows Help.

**ERROR\_PWD\_HISTORY\_CONFLICT = 617**

You have attempted to change your password to one that you have used in the past. The policy of your user account does not allow this. Select a password that you have not previously used.

#### **ERROR\_PWD\_TOO\_RECENT = 616**

The policy of your user account does not allow you to change passwords too frequently. This is done to prevent users from changing back to a familiar, but potentially discovered, password. If you feel your password has been compromised, contact your administrator immediately to have a new one assigned.

#### **ERROR\_PWD\_TOO\_SHORT = 615**

The password provided is too short to meet the policy of your user account. Choose a longer password.

#### **ERROR\_QUORUMLOG\_OPEN\_FAILED = 5028**

The quorum log could not be created or mounted successfully.

#### **ERROR\_QUORUM\_DISK\_NOT\_FOUND = 5086**

The quorum disk could not be located by the cluster service.

#### **ERROR\_QUORUM\_NOT\_ALLOWED\_IN\_THIS\_GROUP = 5928**

Quorum resource cannot reside in the available storage group.

#### **ERROR\_QUORUM\_OWNER\_ALIVE = 5034**

The cluster node failed to take control of the quorum resource because the resource is owned by another active node.

#### **ERROR\_QUORUM\_RESOURCE = 5020**

The cluster resource could not be deleted or brought offline because it is the quorum resource.

#### **ERROR\_QUORUM\_RESOURCE\_ONLINE\_FAILED = 5027**

The quorum resource failed to come online.

#### **ERROR\_QUOTA\_LIST\_INCONSISTENT = 621**

The specified quota list is internally inconsistent with its descriptor.

#### **ERROR\_RANGE\_LIST\_CONFLICT = 627**

The range could not be added to the range list because of a conflict.

**ERROR\_RANGE\_NOT\_FOUND = 644**

The specified range could not be found in the range list.

**ERROR\_RDP\_PROTOCOL\_ERROR = 7065**

The RDP component %2 detected an error in the protocol stream and has disconnected the client.

**ERROR\_READFAULT = 30**

The system cannot read from the specified device.

**ERROR\_RECEIVE\_EXPEDITED = 708**

{Expedited Data Received} The network transport returned data to its client that was marked as expedited by the remote system.

**ERROR\_RECEIVE\_PARTIAL = 707**

{Partial Data Received} The network transport returned partial data to its client. The remaining data will be sent later.

**ERROR\_RECEIVE\_PARTIAL\_EXPEDITED = 709**

{Partial Expedited Data Received} The network transport returned partial data to its client and this data was marked as expedited by the remote system. The remaining data will be sent later.

**ERROR\_RECOVERY\_FAILURE = 1279**

A transaction recover failed.

**ERROR\_RECOVERY\_NOT\_NEEDED = 6821**

The transactional resource manager is already consistent. Recovery is not needed.

**ERROR\_REC\_NON\_EXISTENT = 4005**

The name does not exist in the WINS database.

**ERROR\_REDIRECTOR\_HAS\_OPEN\_HANDLES = 1794**

The redirector is in use and cannot be unloaded.

**ERROR\_REDIR\_PAUSED = 72**

The specified printer or disk device has been paused.

## **ERROR\_REGISTRY\_CORRUPT = 1015**

The registry is corrupted. The structure of one of the files containing registry data is corrupted, or the system's memory image of the file is corrupted, or the file could not be recovered because the alternate copy or log was absent or corrupted.

## **ERROR\_REGISTRY\_HIVE\_RECOVERED = 685**

{Registry Hive Recovered} Registry hive (file): %hs was corrupted and it has been recovered. Some data might have been lost.

## **ERROR\_REGISTRY\_IO\_FAILED = 1016**

An I/O operation initiated by the registry failed and cannot be recovered. The registry could not read in, write out, or flush one of the files that contain the system's image of the registry.

## **ERROR\_REGISTRY\_QUOTA\_LIMIT = 613**

{Low On Registry Space} The system has reached the maximum size allowed for the system part of the registry. Additional storage requests will be ignored.

## **ERROR\_REGISTRY\_RECOVERED = 1014**

One of the files in the registry database had to be recovered by use of a log or alternate copy. The recovery was successful.

## **ERROR\_REG\_NAT\_CONSUMPTION = 1261**

A program attempt to use an invalid register value. Normally caused by an uninitialized register. This error is Itanium specific.

## **ERROR\_RELOC\_CHAIN\_XEEDS\_SEGLIM = 201**

The operating system cannot run %1.

## **ERROR\_REMOTE\_FILE\_VERSION\_MISMATCH = 6814**

The remote server sent mismatching version numbers or FID for a file opened with transactions.

## **ERROR\_REMOTE\_PRINT\_CONNECTIONS\_BLOCKED = 1936**

Remote connections to the Print Spooler are blocked by a policy set on your machine.

## **ERROR\_REMOTE\_SESSION\_LIMIT\_EXCEEDED = 1220**

An attempt was made to establish a session to a network server, but there are already too many sessions established to that server.

#### **ERROR\_REMOTE\_STORAGE\_MEDIA\_ERROR = 4352**

The remote storage service encountered a media error.

#### **ERROR\_REMOTE\_STORAGE\_NOT\_ACTIVE = 4351**

The remote storage service is not operational at this time.

#### **ERROR\_Rem\_NOT\_LIST = 51**

Windows cannot find the network path. Verify that the network path is correct and the destination computer is not busy or turned off. If Windows still cannot find the network path, contact your network administrator.

#### **ERROR\_REPARSE = 741**

A reparse should be performed by the object manager because the name of the file resulted in a symbolic link.

#### **ERROR\_REPARSE\_ATTRIBUTE\_CONFLICT = 4391**

The reparse point attribute cannot be set because it conflicts with an existing attribute.

#### **ERROR\_REPARSE\_OBJECT = 755**

A reparse should be performed by the object manager because the name of the file resulted in a symbolic link.

#### **ERROR\_REPARSE\_TAG\_INVALID = 4393**

The tag present in the reparse point buffer is invalid.

#### **ERROR\_REPARSE\_TAG\_MISMATCH = 4394**

There is a mismatch between the tag specified in the request and the tag present in the reparse point.

#### **ERROR\_REPLY\_MESSAGE\_MISMATCH = 595**

{Reply Message Mismatch} An attempt was made to reply to a local procedure call (LPC) message, but the thread specified by the client ID in the message was not waiting on that message.

#### **ERROR\_REQUEST\_ABORTED = 1235**

The request was aborted.

## **ERROR\_REQUEST\_OUT\_OF\_SEQUENCE = 776**

The client of a component requested an operation that is not valid given the state of the component instance.

## **ERROR\_REQUEST\_REFUSED = 4320**

The operator or administrator has refused the request.

## **ERROR\_REQUIRES\_INTERACTIVE\_WINDOWSTATION = 1459**

This operation requires an interactive window station.

## **ERROR\_REQ\_NOT\_ACCEP = 71**

No more connections can be made to this remote computer at this time because the computer has accepted the maximum number of connections.

## **ERROR\_RESMON\_CREATE\_FAILED = 5017**

The cluster resource could not be created in the specified resource monitor.

## **ERROR\_RESMON\_INVALID\_STATE = 5084**

The resource monitor will not allow the fail operation to be performed while the resource is in its current state. This can happen if the resource is in a pending state.

## **ERROR\_RESMON\_ONLINE\_FAILED = 5018**

The cluster resource could not be brought online by the resource monitor.

## **ERROR\_RESOURCEMANAGER\_NOT\_FOUND = 6716**

The specified resource manager object could not be opened because it was not found.

## **ERROR\_RESOURCEMANAGER\_READ\_ONLY = 6707**

The specified resource manager made no changes or updates to the resource under this transaction.

## **ERROR\_RESOURCE\_CALL\_TIMED\_OUT = 5910**

The call to the cluster resource DLL timed out.

## **ERROR\_RESOURCE\_DATA\_NOT\_FOUND = 1812**

The specified image file did not contain a resource section.

**ERROR\_RESOURCE\_DISABLED = 4309**

A resource required for this operation is disabled.

**ERROR\_RESOURCE\_ENUM\_USER\_STOP = 15106**

The user stopped resource enumeration.

**ERROR\_RESOURCE\_FAILED = 5038**

A cluster resource failed.

**ERROR\_RESOURCE\_LANG\_NOT\_FOUND = 1815**

The specified resource language ID cannot be found in the image file.

**ERROR\_RESOURCE\_NAME\_NOT\_FOUND = 1814**

The specified resource name cannot be found in the image file.

**ERROR\_RESOURCE\_NOT\_AVAILABLE = 5006**

The cluster resource is not available.

**ERROR\_RESOURCE\_NOT\_FOUND = 5007**

The cluster resource could not be found.

**ERROR\_RESOURCE\_NOT\_ONLINE = 5004**

The cluster resource is not online.

**ERROR\_RESOURCE\_NOT\_PRESENT = 4316**

The resource required for this operation does not exist.

**ERROR\_RESOURCE\_ONLINE = 5019**

The operation could not be completed because the cluster resource is online.

**ERROR\_RESOURCE\_PROPERTIES\_STORED = 5024**

The properties were stored but not all changes will take effect until the next time the resource is brought online.

**ERROR\_RESOURCE\_PROPERTY\_UNCHANGEABLE = 5089**

An attempt to modify a resource property failed because it conflicts with another existing property.

**ERROR\_RESOURCE\_REQUIREMENTS\_CHANGED = 756**

The device has succeeded a query-stop and its resource requirements have changed.

**ERROR\_RESOURCE\_TYPE\_NOT\_FOUND = 1813**

The specified resource type cannot be found in the image file.

**ERROR\_RESUME\_HIBERNATION = 727**

The system was resumed from hibernation.

**ERROR\_RETRY = 1237**

The operation could not be completed. A retry should be performed.

**ERROR\_REVISION\_MISMATCH = 1306**

Indicates two revision levels are incompatible.

**ERROR\_RING2SEG\_MUST\_BE\_MOVABLE = 200**

The code segment cannot be greater than or equal to 64 KB.

**ERROR\_RING2\_STACK\_IN\_USE = 207**

The ring 2 stack is in use.

**ERROR\_RMODE\_APP = 1153**

The specified program was written for an earlier version of Windows.

**ERROR\_RM\_ALREADY\_STARTED = 6822**

The transactional resource manager has already been started.

**ERROR\_RM\_DISCONNECTED = 6819**

The transaction outcome is unavailable because the resource manager responsible for it is disconnected.

**ERROR\_RM\_METADATA\_CORRUPT = 6802**

The metadata of the resource manager has been corrupted. The resource manager will not function.

**ERROR\_RM\_NOT\_ACTIVE = 6801**

Transaction support within the specified file system resource manager is not started or was shut down due to an error.

#### **ERROR\_ROLLBACK\_TIMER\_EXPIRED = 6829**

A rollback could not be scheduled because a previously scheduled rollback has already been executed or is queued for execution.

#### **ERROR\_ROWSNOTRELEASED = 772**

The data provider requires that previously fetched data is released before asking for more data.

#### **ERROR\_RPL\_NOT\_ALLOWED = 4006**

Replication with a nonconfigured partner is not allowed.

#### **ERROR\_RXACT\_COMMITTED = 744**

This success level status indicates that the transaction state already exists for the registry subtree, but that a transaction commit was previously aborted. The commit has now been completed.

#### **ERROR\_RXACT\_COMMIT\_FAILURE = 1370**

An internal security database corruption has been encountered.

#### **ERROR\_RXACT\_COMMIT\_NECESSARY = 678**

This warning level status indicates that the transaction state already exists for the registry subtree, but that a transaction commit was previously aborted. The commit has NOT been completed, but it has not been rolled back either (so it can still be committed if desired).

#### **ERROR\_RXACT\_INVALID\_STATE = 1369**

The transaction state of a registry subtree is incompatible with the requested operation.

#### **ERROR\_RXACT\_STATE\_CREATED = 701**

This informational level status indicates that a specified registry subtree transaction state did not yet exist and had to be created.

#### **ERROR\_SAME\_DRIVE = 143**

The system cannot join or substitute a drive to or for a directory on the same drive.

#### **ERROR\_SAM\_INIT\_FAILURE = 8541**

SAM initialization failed because of the following error: %1. Error Status: 0x%2. Click OK to shut down the system and reboot into Safe Mode. Check the event log for detailed information.

#### **ERROR\_SCOPE\_NOT\_FOUND = 318**

The scope specified was not found.

#### **ERROR\_SCREEN\_ALREADY\_LOCKED = 1440**

Screen already locked.

#### **ERROR\_SECRET\_TOO\_LONG = 1382**

The length of a secret exceeds the maximum length allowed.

#### **ERROR\_SECTOR\_NOT\_FOUND = 27**

The drive cannot find the sector requested.

#### **ERROR\_SEEK = 25**

The drive cannot locate a specific area or track on the disk.

#### **ERROR\_SEEK\_ON\_DEVICE = 132**

The file pointer cannot be set on the specified device or file.

#### **ERROR\_SEGMENT\_NOTIFICATION = 702**

{Segment Load} A virtual DOS machine (VDM) is loading, unloading, or moving an MS-DOS or Win16 program segment image. An exception is raised so a debugger can load, unload, or track symbols and breakpoints within these 16-bit segments.

#### **ERROR\_SEM\_IS\_SET = 102**

The semaphore is set and cannot be closed.

#### **ERROR\_SEM\_NOT\_FOUND = 187**

The specified system semaphore name was not found.

#### **ERROR\_SEM\_OWNER\_DIED = 105**

The previous ownership of this semaphore has ended.

#### **ERROR\_SEM\_TIMEOUT = 121**

The semaphore time-out period has expired.

**ERROR\_SEM\_USER\_LIMIT = 106**

Insert the disk for drive %1.

**ERROR\_SERIAL\_NO\_DEVICE = 1118**

No serial device was successfully initialized. The serial driver will unload.

**ERROR\_SERVER\_DISABLED = 1341**

The server is currently disabled.

**ERROR\_SERVER\_HAS\_OPEN\_HANDLES = 1811**

The server is in use and cannot be unloaded.

**ERROR\_SERVER\_NOT\_DISABLED = 1342**

The server is currently enabled.

**ERROR\_SERVER\_SHUTDOWN\_IN\_PROGRESS = 1255**

The server machine is shutting down.

**ERROR\_SERVER\_SID\_MISMATCH = 628**

The server process is running under a SID different than that required by the client.

**ERROR\_SERVICE\_ALREADY\_RUNNING = 1056**

An instance of the service is already running.

**ERROR\_SERVICE\_CANNOT\_ACCEPT\_CTRL = 1061**

The service cannot accept control messages at this time.

**ERROR\_SERVICE\_DATABASE\_LOCKED = 1055**

The service database is locked.

**ERROR\_SERVICE\_DEPENDENCY\_DELETED = 1075**

The dependency service does not exist or has been marked for deletion.

**ERROR\_SERVICE\_DEPENDENCY\_FAIL = 1068**

The dependency service or group failed to start.

**ERROR\_SERVICE\_DISABLED = 1058**

The service cannot be started, either because it is disabled or because it has no enabled devices associated with it.

**ERROR\_SERVICE\_DOES\_NOT\_EXIST = 1060**

The specified service does not exist as an installed service.

**ERROR\_SERVICE\_EXISTS = 1073**

The specified service already exists.

**ERROR\_SERVICE\_LOGON\_FAILED = 1069**

The service did not start due to a logon failure.

**ERROR\_SERVICE\_MARKED\_FOR\_DELETE = 1072**

The specified service has been marked for deletion.

**ERROR\_SERVICE\_NEVER\_STARTED = 1077**

No attempts to start the service have been made since the last boot.

**ERROR\_SERVICE\_NOTIFY\_CLIENT\_LAGGING = 1294**

The service notification client is lagging too far behind the current state of services in the machine.

**ERROR\_SERVICE\_NOT\_ACTIVE = 1062**

The service has not been started.

**ERROR\_SERVICE\_NOT\_FOUND = 1243**

The specified service does not exist.

**ERROR\_SERVICE\_NOT\_IN\_EXE = 1083**

The executable program that this service is configured to run in does not implement the service.

**ERROR\_SERVICE\_NO\_THREAD = 1054**

A thread could not be created for the service.

**ERROR\_SERVICE\_REQUEST\_TIMEOUT = 1053**

The service did not respond to the start or control request in a timely fashion.

**ERROR\_SERVICE\_SPECIFIC\_ERROR = 1066**

The service has returned a service-specific error code.

**ERROR\_SERVICE\_START\_HANG = 1070**

After starting, the service stopped responding in a start-pending state.

**ERROR\_SESSION\_CREDENTIAL\_CONFLICT = 1219**

Multiple connections to a server or shared resource by the same user, using more than one user name, are not allowed. Disconnect all previous connections to the server or shared resource and try again.

**ERROR\_SETCOUNT\_ON\_BAD\_LB = 1433**

LB\_SETCOUNT sent to non-lazy list box.

**ERROR\_SETMARK\_DETECTED = 1103**

A tape access reached the end of a set of files.

**ERROR\_SET\_NOT\_FOUND = 1170**

The property set specified does not exist on the object.

**ERROR\_SET\_POWER\_STATE\_FAILED = 1141**

The system BIOS failed an attempt to change the system power state.

**ERROR\_SET\_POWER\_STATE\_VETOED = 1140**

An attempt to change the system power state was vetoed by another application or driver.

**ERROR\_SHARED\_POLICY = 8218**

The policy object is shared and can only be modified at the root.

**ERROR\_SHARING\_BUFFER\_EXCEEDED = 36**

Too many files opened for sharing.

**ERROR\_SHARING\_PAUSED = 70**

The remote server has been paused or is in the process of being started.

**ERROR\_SHARING\_VIOLATION = 32**

The process cannot access the file because it is being used by another process.

**ERROR\_SHUTDOWN\_CLUSTER = 5008**

The cluster is being shut down.

**ERROR\_SHUTDOWN\_IN\_PROGRESS = 1115**

A system shutdown is in progress.

**ERROR\_SHUTDOWN\_IS\_SCHEDULED = 1190**

A system shutdown has already been scheduled.

**ERROR\_SHUTDOWN\_USERS\_LOGGED\_ON = 1191**

The system shutdown cannot be initiated because there are other users logged on to the computer.

**ERROR\_SIGNAL\_PENDING = 162**

A signal is already pending.

**ERROR\_SIGNAL\_REFUSED = 156**

The recipient process has refused the signal.

**ERROR\_SINGLE\_INSTANCE\_APP = 1152**

Cannot start more than one instance of the specified program.

**ERROR\_SMARTCARD\_SUBSYSTEM\_FAILURE = 1264**

The Kerberos protocol encountered an error while attempting to utilize the smartcard subsystem.

**ERROR\_SOME\_NOT\_MAPPED = 1301**

Some mapping between account names and SIDs was not done.

**ERROR\_SOURCE\_ELEMENT\_EMPTY = 1160**

The indicated source element has no media.

**ERROR\_SPARSE\_NOT\_ALLOWED\_IN\_TRANSACTION = 6844**

The sparse operation could not be completed because a transaction is active on the file.

**ERROR\_SPECIAL\_ACCOUNT = 1371**

Cannot perform this operation on built-in accounts.

**ERROR\_SPECIAL\_GROUP** = 1372

Cannot perform this operation on this built-in special group.

**ERROR\_SPECIAL\_USER** = 1373

Cannot perform this operation on this built-in special user.

**ERROR\_SPL\_NO\_ADDJOB** = 3004

An AddJob call was not issued.

**ERROR\_SPL\_NO\_STARTDOC** = 3003

A StartDocPrinter call was not issued.

**ERROR\_SPOOL\_FILE\_NOT\_FOUND** = 3002

The spool file was not found.

**ERROR\_STACK\_BUFFER\_OVERRUN** = 1282

The system detected an overrun of a stack-based buffer in this application. This overrun could potentially allow a malicious user to gain control of this application.

**ERROR\_STACK\_OVERFLOW** = 1001

Recursion too deep; the stack overflowed.

**ERROR\_STACK\_OVERFLOW\_READ** = 599

The request must be handled by the stack overflow code.

**ERROR\_STATIC\_INIT** = 4002

The importation from the file failed.

**ERROR\_STOPPED\_ON\_SYMLINK** = 681

The create operation stopped after reaching a symbolic link.

**ERROR\_STREAM\_MINIVERSION\_NOT\_FOUND** = 6808

The specified file miniversion was not found for this transacted file open.

**ERROR\_STREAM\_MINIVERSION\_NOT\_VALID** = 6809

The specified file miniversion was found but has been invalidated. The most likely cause is a transaction savepoint rollback.

#### **ERROR\_SUBST\_TO\_JOIN = 141**

The system tried to SUBST a drive to a directory on a joined drive.

#### **ERROR\_SUBST\_TO\_SUBST = 139**

The system tried to substitute a drive to a directory on a substituted drive.

#### **ERROR\_SUCCESS\_REBOOT\_INITIATED = 1641**

The requested operation completed successfully. The system will be restarted so the changes can take effect.

#### **ERROR\_SUCCESS\_REBOOT\_REQUIRED = 3010**

The requested operation is successful. Changes will not be effective until the system is rebooted.

#### **ERROR\_SUCCESS\_RESTART\_REQUIRED = 3011**

The requested operation is successful. Changes will not be effective until the service is restarted.

#### **ERROR\_SWAPERROR = 999**

Error performing in-page operation.

#### **ERROR\_SXS\_ACTIVATION\_CONTEXT\_DISABLED = 14006**

The application attempted to activate a disabled activation context.

#### **ERROR\_SXS\_ASSEMBLY\_IS\_NOT\_A\_DEPLOYMENT = 14103**

The assembly is not a deployment.

#### **ERROR\_SXS\_ASSEMBLY\_MISSING = 14081**

The referenced assembly could not be found.

#### **ERROR\_SXS\_ASSEMBLY\_NOT\_FOUND = 14003**

The referenced assembly is not installed on your system.

#### **ERROR\_SXS\_ASSEMBLY\_NOT\_LOCKED = 14097**

The component must be locked before making the request.

## **ERROR\_SXS\_CANT\_GEN\_ACTCTX = 14001**

The application has failed to start because its side-by-side configuration is incorrect. See the application event log for more detail.

## **ERROR\_SXS\_COMPONENT\_STORE\_CORRUPT = 14098**

The component store has been corrupted.

## **ERROR\_SXS\_CORRUPTION = 14083**

The application isolation metadata for this process or thread has become corrupt.

## **ERROR\_SXS\_CORRUPT\_ACTIVATION\_STACK = 14082**

The activation context activation stack for the running thread of execution is corrupt.

## **ERROR\_SXS\_DUPLICATE\_ASSEMBLY\_NAME = 14027**

Two or more components referenced directly or indirectly by the application manifest are different versions of the same component, which is not permitted.

## **ERROR\_SXS\_DUPLICATE\_CLSID = 14023**

Two or more components referenced directly or indirectly by the application manifest have the same COM server CLSIDs.

## **ERROR\_SXS\_DUPLICATE\_DLL\_NAME = 14021**

Two or more components referenced directly or indirectly by the application manifest have files by the same name.

## **ERROR\_SXS\_DUPLICATE\_IID = 14024**

Two or more components referenced directly or indirectly by the application manifest have proxies for the same COM interface IIDs.

## **ERROR\_SXS\_DUPLICATE\_PROGID = 14026**

Two or more components referenced directly or indirectly by the application manifest have the same COM ProgIDs.

## **ERROR\_SXS\_DUPLICATE\_TLBID = 14025**

Two or more components referenced directly or indirectly by the application manifest have the same COM type library TLBIDs.

**ERROR\_SXS\_DUPLICATE\_WINDOWCLASS\_NAME = 14022**

Two or more components referenced directly or indirectly by the application manifest have window classes with the same name.

**ERROR\_SXS\_EARLY\_DEACTIVATION = 14084**

The activation context being deactivated is not the most recently activated one.

**ERROR\_SXS\_FILE\_HASH\_MISMATCH = 14028**

A component's file does not match the verification information present in the component manifest.

**ERROR\_SXS\_FILE\_NOT\_PART\_OF\_ASSEMBLY = 14104**

The file is not a part of the assembly.

**ERROR\_SXS\_IDENTITIES\_DIFFERENT = 14102**

The component identities are different.

**ERROR\_SXS\_IDENTITY\_DUPLICATE\_ATTRIBUTE = 14092**

An identity contains two definitions for the same attribute.

**ERROR\_SXS\_IDENTITY\_PARSE\_ERROR = 14093**

The identity string is malformed. This might be due to a trailing comma, more than two unnamed attributes, a missing attribute name, or a missing attribute value.

**ERROR\_SXS\_INCORRECT\_PUBLIC\_KEYOKEN = 14095**

The public key token does not correspond to the public key specified.

**ERROR\_SXS\_INVALID\_ACTCTXDATA\_FORMAT = 14002**

The application binding data format is invalid.

**ERROR\_SXS\_INVALID\_ASSEMBLY\_IDENTITY\_ATTRIBUTE = 14017**

The manifest contains an attribute for the assembly identity that is not valid.

**ERROR\_SXS\_INVALID\_ASSEMBLY\_IDENTITY\_ATTRIBUTE\_NAME = 14080**

The supplied assembly identity has one or more attribute names that contain characters not permitted in XML names.

**ERROR\_SXS\_INVALID\_DEACTIVATION = 14085**

The activation context being deactivated is not active for the current thread of execution.

**ERROR\_SXS\_INVALID\_IDENTITY\_ATTRIBUTE\_NAME = 14091**

The name of an attribute in an identity is not within the legal range.

**ERROR\_SXS\_INVALID\_IDENTITY\_ATTRIBUTE\_VALUE = 14090**

The value of an attribute in an identity is not within the legal range.

**ERROR\_SXS\_INVALID\_XML\_NAMESPACE\_URI = 14014**

The manifest contains a reference to an invalid URI.

**ERROR\_SXS\_KEY\_NOT\_FOUND = 14007**

The requested lookup key was not found in any active activation context.

**ERROR\_SXS\_LEAF\_MANIFEST\_DEPENDENCY\_NOT\_INSTALLED = 14016**

The manifest for an assembly used by the application has a reference to a dependent assembly that is not installed.

**ERROR\_SXS\_MANIFEST\_FORMAT\_ERROR = 14004**

The manifest file does not begin with the required tag and format information.

**ERROR\_SXS\_MANIFEST\_IDENTITY\_SAME\_BUT\_CONTENTS\_DIFFERENT = 14101**

The identities of the manifests are identical, but the contents are different.

**ERROR\_SXS\_MANIFEST\_INVALID\_REQUIRED\_DEFAULT\_NAMESPACE = 14019**

The manifest has a default namespace specified on the assembly element but its value is not "urn:schemas-microsoft-com:asm.v1".

**ERROR\_SXS\_MANIFEST\_MISSING\_REQUIRED\_DEFAULT\_NAMESPACE = 14018**

The manifest is missing the required default namespace specification on the assembly element.

**ERROR\_SXS\_MANIFEST\_PARSE\_ERROR = 14005**

The manifest file contains one or more syntax errors.

**ERROR\_SXS\_MANIFEST\_TOO\_BIG = 14105**

The size of the manifest exceeds the maximum allowed.

**ERROR\_SXS\_MISSING\_ASSEMBLY\_IDENTITY\_ATTRIBUTE = 14079**

The supplied assembly identity is missing one or more attributes that must be present in this context.

**ERROR\_SXS\_MULTIPLE\_DEACTIVATION = 14086**

The activation context being deactivated has already been deactivated.

**ERROR\_SXS\_POLICY\_PARSE\_ERROR = 14029**

The policy manifest contains one or more syntax errors.

**ERROR\_SXS\_PRIVATE\_MANIFEST\_CROSS\_PATH\_WITH\_REPARSE\_POINT = 14020**

The private manifest probed has crossed the reparse-point-associated path.

**ERROR\_SXS\_PROCESS\_DEFAULT\_ALREADY\_SET = 14011**

An attempt to set the process default activation context failed because the process default activation context was already set.

**ERROR\_SXS\_PROCESS\_TERMINATION\_REQUESTED = 14087**

A component used by the isolation facility has requested to terminate the process.

**ERROR\_SXS\_PROTECTION\_CATALOG\_FILE\_MISSING = 14078**

Assembly Protection Error: The catalog for an assembly is missing.

**ERROR\_SXS\_PROTECTION\_CATALOG\_NOT\_VALID = 14076**

Assembly Protection Error: The catalog for an assembly is not valid, or does not match the assembly's manifest.

**ERROR\_SXS\_PROTECTION\_PUBLIC\_KEY\_TOO\_SHORT = 14075**

Assembly Protection Error: The public key for an assembly was too short to be allowed.

**ERROR\_SXS\_PROTECTION\_RECOVERY\_FAILED = 14074**

Assembly Protection Error: Unable to recover the specified assembly.

**ERROR\_SXS\_RELEASE\_ACTIVATION\_ONTEXT = 14088**

A kernel mode component is releasing a reference on an activation context.

**ERROR\_SXS\_ROOT\_MANIFEST\_DEPENDENCY\_OT\_INSTALLED = 14015**

The application manifest contains a reference to a dependent assembly that is not installed.

**ERROR\_SXS\_SECTION\_NOT\_FOUND = 14000**

The requested section was not present in the activation context.

**ERROR\_SXS\_SETTING\_NOT\_REGISTERED = 14106**

The setting is not registered.

**ERROR\_SXS\_SYSTEM\_DEFAULT\_ACTIVATION\_CONTEXT\_EMPTY = 14089**

The activation context of the system default assembly could not be generated.

**ERROR\_SXS\_THREAD\_QUERIES\_DISABLED = 14010**

Lack of system resources has required isolated activation to be disabled for the current thread of execution.

**ERROR\_SXS\_TRANSACTION\_CLOSURE\_INCOMPLETE = 14107**

One or more required members of the transaction are not present.

**ERROR\_SXS\_UNKNOWN\_ENCODING = 14013**

The encoding requested is not recognized.

**ERROR\_SXS\_UNKNOWN\_ENCODING\_GROUP = 14012**

The encoding group identifier specified is not recognized.

**ERROR\_SXS\_UNTRANSLATABLE\_HRESULT = 14077**

An HRESULT could not be translated to a corresponding Win32 error code.

**ERROR\_SXS\_VERSION\_CONFLICT = 14008**

A component version required by the application conflicts with another active component version.

**ERROR\_SXS\_WRONG\_SECTION\_TYPE = 14009**

The type requested activation context section does not match the query API used.

**ERROR\_SXS\_XML\_E\_BADCHARDATA = 14036**

Manifest Parse Error: An Invalid character was found in text content.

**ERROR\_SXS\_XML\_E\_BADCHARINSTRING = 14034**

Manifest Parse Error: A string literal contained an invalid character.

**ERROR\_SXS\_XML\_E\_BADNAMECHAR = 14033**

Manifest Parse Error: A name contained an invalid character.

**ERROR\_SXS\_XML\_E\_BADPREFINSUBSET = 14059**

Manifest Parse Error: Parameter entities cannot be used inside markup declarations in an internal subset.

**ERROR\_SXS\_XML\_E\_BADSTARTNAMECHAR = 14032**

Manifest Parse Error: A name started with an invalid character.

**ERROR\_SXS\_XML\_E\_BADXMLCASE = 14069**

Manifest Parse Error: The name "xml" is reserved and must be lowercase.

**ERROR\_SXS\_XML\_E\_BADXMLDECL = 14056**

Manifest Parse Error: Invalid XML declaration.

**ERROR\_SXS\_XML\_E\_COMMENTSYNTAX = 14031**

Manifest Parse Error: Incorrect syntax was used in a comment.

**ERROR\_SXS\_XML\_E\_DUPLICATEATTRIBUTE = 14053**

Manifest Parse Error: Duplicate attribute.

**ERROR\_SXS\_XML\_E\_EXPECTINGCLOSEQUOTE = 14045**

Manifest Parse Error: A single ('') or double (") quotation mark is missing.

**ERROR\_SXS\_XML\_E\_EXPECTINGTAGEND = 14038**

Manifest Parse Error: The angle bracket (>) character was expected.

**ERROR\_SXS\_XML\_E\_INCOMPLETE\_ENCODING = 14043**

Manifest Parse Error: End of file reached in invalid state for current encoding.

**ERROR\_SXS\_XML\_E\_INTERNALERROR = 14041**

Manifest Parse Error: Internal error.

**ERROR\_SXS\_XML\_E\_INVALIDATROOTLEVEL = 14055**

Manifest Parse Error: Invalid at the top level of the document.

**ERROR\_SXS\_XML\_E\_INVALIDENCODING = 14067**

Manifest Parse Error: System does not support the specified encoding.

**ERROR\_SXS\_XML\_E\_INVALIDSWITCH = 14068**

Manifest Parse Error: Switch from current encoding to specified encoding not supported.

**ERROR\_SXS\_XML\_E\_INVALID\_DECIMAL = 14047**

Manifest Parse Error: Invalid character for decimal digit.

**ERROR\_SXS\_XML\_E\_INVALID\_HEXIDECIMAL = 14048**

Manifest Parse Error: Invalid character for hexadecimal digit.

**ERROR\_SXS\_XML\_E\_INVALID\_STANDALONE = 14070**

Manifest Parse Error: The stand-alone attribute must have the value "yes" or "no".

**ERROR\_SXS\_XML\_E\_INVALID\_UNICODE = 14049**

Manifest Parse Error: Invalid Unicode character value for this platform.

**ERROR\_SXS\_XML\_E\_INVALID\_VERSION = 14072**

Manifest Parse Error: Invalid version number.

**ERROR\_SXS\_XML\_E\_MISSINGEQUALS = 14073**

Manifest Parse Error: Missing equal sign (=) between the attribute and the attribute value.

**ERROR\_SXS\_XML\_E\_MISSINGQUOTE = 14030**

Manifest Parse Error: A string literal was expected, but no opening quotation mark was found.

**ERROR\_SXS\_XML\_E\_MISSINGROOT = 14057**

Manifest Parse Error: XML document must have a top-level element.

**ERROR\_SXS\_XML\_E\_MISSINGSEMICOLON = 14039**

Manifest Parse Error: A semicolon (;) was expected.

**ERROR\_SXS\_XML\_E\_MISSINGWHITESPACE = 14037**

Manifest Parse Error: Required white space was missing.

**ERROR\_SXS\_XML\_E\_MISSING\_PAREN = 14044**

Manifest Parse Error: Missing parenthesis.

**ERROR\_SXS\_XML\_E\_MULTIPLEXEROOTS = 14054**

Manifest Parse Error: Only one top-level element is allowed in an XML document.

**ERROR\_SXS\_XML\_E\_MULTIPLE\_COLONS = 14046**

Manifest Parse Error: Multiple colons are not allowed in a name.

**ERROR\_SXS\_XML\_E\_RESERVEDNAMESPACE = 14066**

Manifest Parse Error: The namespace prefix is not allowed to start with the reserved string xml"."

**ERROR\_SXS\_XML\_E\_UNBALANCEDPAREN = 14040**

Manifest Parse Error: Unbalanced parentheses.

**ERROR\_SXS\_XML\_E\_UNCLOSEDCDATA = 14065**

Manifest Parse Error: A CDATA section was not closed.

**ERROR\_SXS\_XML\_E\_UNCLOSEDCOMMENT = 14063**

Manifest Parse Error: A comment was not closed.

**ERROR\_SXS\_XML\_E\_UNCLOSEDDECL = 14064**

Manifest Parse Error: A declaration was not closed.

**ERROR\_SXS\_XML\_E\_UNCLOSEDENDTAG = 14061**

Manifest Parse Error: End element was missing the angle bracket (>) character.

**ERROR\_SXS\_XML\_E\_UNCLOSEDSTARTTAG = 14060**

Manifest Parse Error: Element was not closed.

**ERROR\_SXS\_XML\_E\_UNCLOSEDSTRING = 14062**

Manifest Parse Error: A string literal was not closed.

**ERROR\_SXS\_XML\_E\_UNCLOSEDTAG = 14052**

Manifest Parse Error: The following tags were not closed: %1.

**ERROR\_SXS\_XML\_E\_UNEXPECTEDENDTAG = 14051**

Manifest Parse Error: End tag was not expected at this location.

**ERROR\_SXS\_XML\_E\_UNEXPECTEDEOF = 14058**

Manifest Parse Error: Unexpected end of file.

**ERROR\_SXS\_XML\_E\_UNEXPECTED\_STANDALONE = 14071**

Manifest Parse Error: The stand-alone attribute cannot be used in external entities.

**ERROR\_SXS\_XML\_E\_UNEXPECTED\_WHITESPACE = 14042**

Manifest Parse Error: Whitespace is not allowed at this location.

**ERROR\_SXS\_XML\_E\_WHITESPACEORQUESTIONMARK = 14050**

Manifest Parse Error: Expecting whitespace or question mark (?).

**ERROR\_SXS\_XML\_E\_XMLDECLSYNTAX = 14035**

Manifest Parse Error: Invalid syntax for an XML declaration.

**ERROR\_SYMLINK\_CLASS\_DISABLED = 1463**

The symbolic link cannot be followed because its type is disabled.

**ERROR\_SYMLINK\_NOT\_SUPPORTED = 1464**

This application does not support the current operation on symbolic links.

**ERROR\_SYNCHRONIZATION\_REQUIRED = 569**

On applicable Windows Server releases, the Security Accounts Manager (SAM) database is significantly out of synchronization with the copy on the domain controller. A complete synchronization is required.

**ERROR\_SYNC\_FOREGROUND\_REFRESH\_REQUIRED = 1274**

The Group Policy framework should call the extension in the synchronous foreground policy refresh.

**ERROR\_SYSTEM\_DEVICE\_NOT\_FOUND = 15299**

The requested system device cannot be found.

**ERROR\_SYSTEM\_HIVE\_TOO\_LARGE = 653**

The system hive size has exceeded its limit.

**ERROR\_SYSTEM\_IMAGE\_BAD\_SIGNATURE = 637**

{Fatal System Error} The system image %s is not properly signed. The file has been replaced with the signed file. The system has been shut down.

**ERROR\_SYSTEM\_POWERSTATE\_COMPLEX\_TRANSITION = 783**

The system power state is transitioning from %2 to %3 but could enter %4.

**ERROR\_SYSTEM\_POWERSTATE\_TRANSITION = 782**

The system power state is transitioning from %2 to %3.

**ERROR\_SYSTEM\_PROCESS\_TERMINATED = 591**

{Fatal System Error} The %hs system process terminated unexpectedly with a status of 0x%08x (0x%08x 0x%08x). The system has been shut down.

**ERROR\_SYSTEM\_SHUTDOWN = 641**

The system is in the process of shutting down.

**ERROR\_SYSTEM\_TRACE = 150**

System trace information was not specified in your CONFIG.SYS file, or tracing is disallowed.

**ERROR\_TAG\_NOT\_FOUND = 2012**

The specified tag was not found.

**ERROR\_TAG\_NOT\_PRESENT = 2013**

A required tag is not present.

**ERROR\_THREAD\_1\_INACTIVE = 210**

The signal handler cannot be set.

**ERROR\_THREAD\_ALREADY\_IN\_TASK = 1552**

The specified thread is already joining a task.

**ERROR\_THREAD\_MODE\_ALREADY\_BACKGROUND = 400**

The thread is already in background processing mode.

**ERROR\_THREAD\_MODE\_NOT\_BACKGROUND = 401**

The thread is not in background processing mode.

**ERROR\_THREAD\_NOT\_IN\_PROCESS = 566**

An attempt was made to operate on a thread within a specific process, but the thread specified is not in the process specified.

**ERROR\_THREAD\_WAS\_SUSPENDED = 699**

{Thread Suspended} A thread termination occurred while the thread was suspended. The thread was resumed and termination proceeded.

**ERROR\_TIMEOUT = 1460**

This operation returned because the time-out period expired.

**ERROR\_TIMER\_NOT\_CANCELED = 541**

An attempt was made to cancel or set a timer that has an associated asynchronous procedure call (APC) and the subject thread is not the thread that originally set the timer with an associated APC routine.

**ERROR\_TIMER\_RESOLUTION\_NOT\_SET = 607**

The timer resolution was not previously set by the current process.

**ERROR\_TIMER\_RESUME\_IGNORED = 722**

The resume flag to a timer API was ignored.

**ERROR\_TIME\_SKEW = 1398**

There is a time and/or date difference between the client and server.

**ERROR\_TLW\_WITH\_WSCHILD = 1406**

Cannot create a top-level child window.

**ERROR\_TM\_IDENTITY\_MISMATCH = 6845**

The call to create a transaction manager object failed because the Tm Identity stored in the logfile does not match the Tm Identity that was passed in as an argument.

#### **ERROR\_TM\_INITIALIZATION\_FAILED = 6706**

The transaction manager was unable to be successfully initialized. Transacted operations are not supported.

#### **ERROR\_TM\_VOLATILE = 6828**

The operation could not be completed because the transaction manager does not have a log.

#### **ERROR\_TOKEN\_ALREADY\_IN\_USE = 1375**

The token is already in use as a primary token.

#### **ERROR\_TOO\_MANY\_CMDS = 56**

The network BIOS command limit has been reached.

#### **ERROR\_TOO\_MANY\_CONTEXT\_IDS = 1384**

During a logon attempt, the user's security context accumulated too many SIDs.

#### **ERROR\_TOO\_MANY\_LINKS = 1142**

An attempt was made to create more links on a file than the file system supports.

#### **ERROR\_TOO\_MANY\_LUIDS\_REQUESTED = 1333**

Too many local user identifiers (LUIDs) were requested at one time.

#### **ERROR\_TOO\_MANY\_MODULES = 214**

Too many dynamic-link modules are attached to this program or dynamic-link module.

#### **ERROR\_TOO\_MANY\_MUXWAITERS = 152**

DosMuxSemWait did not execute; too many semaphores are already set.

#### **ERROR\_TOO\_MANY\_NAMES = 68**

The name limit for the local computer network adapter card was exceeded.

#### **ERROR\_TOO\_MANY\_OPEN\_FILES = 4**

The system cannot open the file.

**ERROR\_TOO\_MANY\_POSTS = 298**

Too many posts were made to a semaphore.

**ERROR\_TOO\_MANY\_SECRETS = 1381**

The maximum number of secrets that can be stored in a single system has been exceeded.

**ERROR\_TOO\_MANY\_SEMAPHORES = 100**

Cannot create another system semaphore.

**ERROR\_TOO\_MANY\_SEM\_REQUESTS = 103**

The semaphore cannot be set again.

**ERROR\_TOO\_MANY\_SESS = 69**

The network BIOS session limit was exceeded.

**ERROR\_TOO\_MANY\_SIDS = 1389**

Too many SIDs have been specified.

**ERROR\_TOO\_MANY\_TCBS = 155**

Cannot create another thread.

**ERROR\_TOO\_MANY\_THREADS = 565**

Indicates a process has too many threads to perform the requested action. For example, assignment of a primary token can be performed only when a process has zero or one threads.

**ERROR\_TRANSACTIONED\_MAPPING\_UNSUPPORTED\_REMOTE = 6834**

Memory mapping (creating a mapped section) to a remote file under a transaction is not supported.

**ERROR TRANSACTIONAL\_CONFLICT = 6800**

The function attempted to use a name that is reserved for use by another transaction.

**ERROR\_TRANSACTIONAL\_OPEN\_NOT\_ALLOWED = 6832**

This object is not allowed to be opened in a transaction.

**ERROR\_TRANSACTIONMANAGER\_NOT\_FOUND = 6718**

The specified transaction manager object could not be opened because it was not found.

**ERROR\_TRANSACTIONMANAGER\_NOT\_ONLINE = 6719**

The specified resource manager was unable to create an enlistment because its associated transaction manager is not online.

**ERROR\_TRANSACTIONMANAGER\_RECOVERY\_NAME\_COLLISION = 6720**

The specified transaction manager was unable to create the objects contained in its log file in the ObjectB namespace. Therefore, the transaction manager was unable to recover.

**ERROR\_TRANSACTIONS\_NOT\_FROZEN = 6839**

The request to thaw frozen transactions was ignored because transactions were not previously frozen.

**ERROR\_TRANSACTIONS\_UNSUPPORTED\_REMOTE = 6805**

The remote server or share does not support transacted file operations.

**ERROR\_TRANSACTION\_ALREADY\_ABORTED = 6704**

It is too late to perform the requested operation because the transaction has already been aborted.

**ERROR\_TRANSACTION\_ALREADY\_COMMITTED = 6705**

It is too late to perform the requested operation because the transaction has already been committed.

**ERROR\_TRANSACTION\_FREEZE\_IN\_PROGRESS = 6840**

Transactions cannot be frozen because a freeze is already in progress.

**ERROR\_TRANSACTION\_INVALID\_MARSHALL\_BUFFER = 6713**

The buffer passed in to PushTransaction or PullTransaction is not in a valid format.

**ERROR\_TRANSACTION\_NOT\_ACTIVE = 6701**

The requested operation was made in the context of a transaction that is no longer active.

**ERROR\_TRANSACTION\_NOT\_FOUND = 6715**

The specified transaction object could not be opened because it was not found.

**ERROR\_TRANSACTION\_NOT\_JOINED = 6708**

The resource manager has attempted to prepare a transaction that it has not successfully joined.

**ERROR\_TRANSACTION\_NOT\_REQUESTED = 6703**

The caller has called a response API, but the response is not expected because the transaction manager did not issue the corresponding request to the caller.

#### **ERROR\_TRANSACTION\_PROPAGATION\_FAILED = 6711**

The attempt to propagate the transaction failed.

#### **ERROR\_TRANSACTION\_REQUEST\_NOT\_VALID = 6702**

The requested operation is not valid on the transaction object in its current state.

#### **ERROR\_TRANSACTION\_REQUIRED\_PROMOTION = 6837**

Promotion was required to allow the resource manager to enlist, but the transaction was set to disallow it.

#### **ERROR\_TRANSACTION\_SCOPE\_CALLBACKS\_NOT\_SET = 6836**

A transaction scope could not be entered because the scope handler has not been initialized.

#### **ERROR\_TRANSACTION\_SUPERIOR\_EXISTS = 6709**

The transaction object already has a superior enlistment, and the caller attempted an operation that would have created a new superior. Only a single superior enlistment is allowed.

#### **ERROR\_TRANSFORM\_NOT\_SUPPORTED = 2004**

The requested transformation operation is not supported.

#### **ERROR\_TRANSLATION\_COMPLETE = 757**

The translator has translated these resources into the global space and no further translations should be performed.

#### **ERROR\_TRANSPORT\_FULL = 4328**

Cannot use the transport because it is already in use.

#### **ERROR\_TRUSTED\_DOMAIN\_FAILURE = 1788**

The trust relationship between the primary domain and the trusted domain failed.

#### **ERROR\_TRUSTED\_RELATIONSHIP\_FAILURE = 1789**

The trust relationship between this workstation and the primary domain failed.

#### **ERROR\_TRUST\_FAILURE = 1790**

The network logon failed.

**ERROR\_TS\_INCOMPATIBLE\_SESSIONS = 7069**

The target session is incompatible with the current session.

**ERROR\_TXF\_ATTRIBUTE\_CORRUPT = 6830**

The transactional metadata attribute on the file or directory is corrupt and unreadable.

**ERROR\_TXF\_DIR\_NOT\_EMPTY = 6826**

The \$Txf directory must be empty for this operation to succeed.

**ERROR\_TXF\_METADATA\_ALREADY\_PRESENT = 6835**

Transaction metadata is already present on this file and cannot be superseded.

**ERROR\_UNABLE\_TO\_CLEAN = 4311**

The drive cannot be cleaned or does not support cleaning.

**ERROR\_UNABLE\_TO\_EJECT\_MOUNTED\_MEDIA = 4330**

Unable to eject the medium because it is in a drive.

**ERROR\_UNABLE\_TO\_INVENTORY\_DRIVE = 4325**

Unable to retrieve the drive status.

**ERROR\_UNABLE\_TO\_INVENTORY\_SLOT = 4326**

Unable to retrieve the slot status.

**ERROR\_UNABLE\_TO\_INVENTORY\_TRANSPORT = 4327**

Unable to retrieve status about the transport.

**ERROR\_UNABLE\_TO\_LOAD\_MEDIUM = 4324**

Unable to load the medium into the drive.

**ERROR\_UNABLE\_TO\_LOCK\_MEDIA = 1108**

Unable to lock the media eject mechanism.

**ERROR\_UNABLE\_TO\_MOVE\_REPLACEMENT = 1176**

Unable to move the replacement file to the file to be replaced. The file to be replaced has retained its original name.

#### **ERROR\_UNABLE\_TO\_MOVE\_REPLACEMENT\_2 = 1177**

Unable to move the replacement file to the file to be replaced. The file to be replaced has been renamed using the backup name.

#### **ERROR\_UNABLE\_TO\_REMOVE\_REPLACED = 1175**

Unable to remove the file to be replaced.

#### **ERROR\_UNABLE\_TO\_UNLOAD\_MEDIA = 1109**

Unable to unload the media.

#### **ERROR\_UNDEFINED\_CHARACTER = 583**

The Unicode character is not defined in the Unicode character set installed on the system.

#### **ERROR\_UNEXPECTED\_MM\_CREATE\_ERR = 556**

If an MM error is returned that is not defined in the standard FsRtl filter, it is converted to one of the following errors that is guaranteed to be in the filter. In this case, information is lost; however, the filter correctly handles the exception.

#### **ERROR\_UNEXPECTED\_MM\_EXTEND\_ERR = 558**

If an MM error is returned that is not defined in the standard FsRtl filter, it is converted to one of the following errors that is guaranteed to be in the filter. In this case, information is lost; however, the filter correctly handles the exception.

#### **ERROR\_UNEXPECTED\_MM\_MAP\_ERROR = 557**

If an MM error is returned that is not defined in the standard FsRtl filter, it is converted to one of the following errors that is guaranteed to be in the filter. In this case, information is lost; however, the filter correctly handles the exception.

#### **ERROR\_UNEXPECTED\_OMID = 4334**

Unexpected on-medium identifier.

#### **ERROR\_UNEXP\_NET\_ERR = 59**

An unexpected network error occurred.

**ERROR\_UNHANDLED\_EXCEPTION = 574**

{Application Error} The exception %s (0x%08lx) occurred in the application at location 0x%08lx.

**ERROR\_UNIDENTIFIED\_ERROR = 1287**

Insufficient information exists to identify the cause of failure.

**ERROR\_UNKNOWN\_COMPONENT = 1607**

Component ID not registered.

**ERROR\_UNKNOWN\_FEATURE = 1606**

Feature ID not registered.

**ERROR\_UNKNOWN\_PATCH = 1647**

The update is not applied to this product.

**ERROR\_UNKNOWN\_PORT = 1796**

The specified port is unknown.

**ERROR\_UNKNOWN\_PRINTER\_DRIVER = 1797**

The printer driver is unknown.

**ERROR\_UNKNOWN\_PRINTPROCESSOR = 1798**

The print processor is unknown.

**ERROR\_UNKNOWN\_PRINT\_MONITOR = 3000**

The specified print monitor is unknown.

**ERROR\_UNKNOWN\_PRODUCT = 1605**

This action is valid only for products that are currently installed.

**ERROR\_UNKNOWN\_PROPERTY = 1608**

Unknown property.

**ERROR\_UNKNOWN\_REVISION = 1305**

The revision level is unknown.

**ERROR\_UNMAPPED\_SUBSTITUTION\_STRING = 14096**

A substitution string had no mapping.

**ERROR\_UNRECOGNIZED\_MEDIA = 1785**

The disk media is not recognized. It might not be formatted.

**ERROR\_UNRECOGNIZED\_VOLUME = 1005**

The volume does not contain a recognized file system. Be sure that all required file system drivers are loaded and that the volume is not corrupted.

**ERROR\_UNSUPPORTED\_COMPRESSION = 618**

The specified compression format is unsupported.

**ERROR\_UNSUPPORTED\_TYPE = 1630**

Data of this type is not supported.

**ERROR\_UNWIND = 542**

Unwind exception code.

**ERROR\_UNWIND CONSOLIDATE = 684**

A frame consolidation has been executed.

**ERROR\_USER\_DELETE\_TRUST\_QUOTA\_EXCEEDED = 1934**

The current user's delegated trust deletion quota has been exceeded.

**ERROR\_USER\_EXISTS = 1316**

The specified account already exists.

**ERROR\_USER\_MAPPED\_FILE = 1224**

The requested operation cannot be performed on a file with a user-mapped section open.

**ERROR\_USER\_PROFILE\_LOAD = 500**

User profile cannot be loaded.

**ERROR\_VALIDATE\_CONTINUE = 625**

The validation process needs to continue on to the next step.

**ERROR\_VC\_DISCONNECTED = 240**

The session was canceled.

**ERROR\_VDM\_DISALLOWED = 1286**

%1 is a 16-bit application. You do not have permissions to execute 16-bit applications. Check your permissions with your system administrator.

**ERROR\_VDM\_HARD\_ERROR = 593**

The NT Virtual DOS Machine (NTVDM) encountered a hard error.

**ERROR\_VERIFIER\_STOP = 537**

Application verifier has found an error in the current process.

**ERROR\_VERSION\_PARSE\_ERROR = 777**

A version number could not be parsed.

**ERROR\_VIRUS\_DELETED = 226**

This file contains a virus and cannot be opened. Due to the nature of this virus, the file has been removed from this location.

**ERROR\_VIRUS\_INFECTED = 225**

Operation did not complete successfully because the file contains a virus.

**ERROR\_VOLSNAP\_HIBERNATE\_READY = 761**

{Volume Shadow Copy Service} The system is now ready for hibernation.

**ERROR\_VOLSNAP\_PREPARE\_HIBERNATE = 655**

{Volume Shadow Copy Service} Wait while the Volume Shadow Copy Service prepares volume %hs for hibernation.

**ERROR\_VOLUME\_CONTAINS\_SYS\_FILES = 4337**

The volume contains system or paging files.

**ERROR\_VOLUME\_MOUNTED = 743**

A new volume has been mounted by a file system.

**ERROR\_VOLUME\_NOT\_SIS\_ENABLED = 4500**

Single Instance Storage (SIS) is not available on this volume.

**ERROR\_VOLUME\_NOT\_SUPPORT\_EFS = 6014**

The disk partition does not support file encryption.

**ERROR\_WAIT\_FOR\_OPLOCK = 765**

An operation is blocked waiting for an oplock.

**ERROR\_WAIT\_NO\_CHILDREN = 128**

There are no child processes to wait for.

**ERROR\_WAKE\_SYSTEM = 730**

The system has awoken.

**ERROR\_WAKE\_SYSTEM\_DEBUGGER = 675**

{Kernel Debugger Awakened} the system debugger was awakened by an interrupt.

**ERROR\_WAS\_LOCKED = 717**

{Page Locked} One of the pages to lock was already locked.

**ERROR\_WAS\_UNLOCKED = 715**

{Page Unlocked} The page protection of a locked page was changed to 'No Access' and the page was unlocked from memory and from the process.

**ERROR\_WINDOW\_NOT\_COMBOBOX = 1423**

The window is not a combo box.

**ERROR\_WINDOW\_NOT\_DIALOG = 1420**

The window is not a valid dialog window.

**ERROR\_WINDOW\_OF\_OTHER\_THREAD = 1408**

Invalid window; it belongs to other thread.

**ERROR\_WINS\_INTERNAL = 4000**

Windows Internet Name Service (WINS) encountered an error while processing the command.

**ERROR\_WMI\_ALREADY\_DISABLED = 4212**

The WMI data block or event notification has already been disabled.

**ERROR\_WMI\_ALREADY\_ENABLED = 4206**

The WMI data block or event notification has already been enabled.

**ERROR\_WMI\_DP\_FAILED = 4209**

The WMI data provider failed to carry out the request.

**ERROR\_WMI\_DP\_NOT\_FOUND = 4204**

The WMI data provider could not be located.

**ERROR\_WMI\_GUID\_DISCONNECTED = 4207**

The WMI data block is no longer available.

**ERROR\_WMI\_GUID\_NOT\_FOUND = 4200**

The GUID passed was not recognized as valid by a WMI data provider.

**ERROR\_WMI\_INSTANCE\_NOT\_FOUND = 4201**

The instance name passed was not recognized as valid by a WMI data provider.

**ERROR\_WMI\_INVALID\_MOF = 4210**

The WMI Managed Object Format (MOF) information is not valid.

**ERROR\_WMI\_INVALID\_REGINFO = 4211**

The WMI registration information is not valid.

**ERROR\_WMI\_ITEMID\_NOT\_FOUND = 4202**

The data item ID passed was not recognized as valid by a WMI data provider.

**ERROR\_WMI\_READ\_ONLY = 4213**

The WMI data item or data block is read-only.

**ERROR\_WMI\_SERVER\_UNAVAILABLE = 4208**

The WMI data service is not available.

**ERROR\_WMI\_SET\_FAILURE = 4214**

The WMI data item or data block could not be changed.

**ERROR\_WMI\_TRY AGAIN = 4203**

The WMI request could not be completed and should be retried.

**ERROR\_WMI\_UNRESOLVED\_INSTANCE\_REF = 4205**

The WMI data provider references an instance set that has not been registered.

**ERROR\_WORKING\_SET\_QUOTA = 1453**

Insufficient quota to complete the requested service.

**ERROR\_WOW\_ASSERTION = 670**

WOW assertion error.

**ERROR\_WRITE\_FAULT = 29**

The system cannot write to the specified device.

**ERROR\_WRITE\_PROTECT = 19**

The media is write-protected.

**ERROR\_WRONG\_DISK = 34**

The wrong disk is in the drive. Insert %2 (Volume Serial Number: %3) into drive %1.

**ERROR\_WRONG\_EFS = 6005**

The file was encrypted with a different encryption driver than is currently loaded.

**ERROR\_WRONG\_PASSWORD = 1323**

Unable to update the password. The value provided as the current password is incorrect.

**ERROR\_WRONG\_TARGET\_NAME = 1396**

Logon failure: The target account name is incorrect.

**ERROR\_WX86\_ERROR = 540**

An error occurred in the WX86 subsystem.

**ERROR\_WX86\_WARNING = 539**

A warning occurred in the WX86 subsystem.

**ERROR\_XML\_ENCODING\_MISMATCH = 14100**

The character encoding in the XML declaration did not match the encoding used in the document.

**FRS\_ERR\_AUTHENTICATION = 8008**

The file replication service cannot satisfy the request because authenticated RPC is not available. The event log might contain more information.

**FRS\_ERR\_CHILD\_TO\_PARENT\_COMM = 8011**

The file replication service cannot communicate with the file replication service on the domain controller. The event log might contain more information.

**FRS\_ERR\_INSUFFICIENT\_PRIV = 8007**

The file replication service cannot satisfy the request because the user has insufficient privileges. The event log might contain more information.

**FRS\_ERR\_INTERNAL = 8005**

The file replication service terminated the request. The event log might contain more information.

**FRS\_ERR\_INTERNAL\_API = 8004**

The file replication service API terminated the request. The event log might contain more information.

**FRS\_ERR\_INVALID\_API\_SEQUENCE = 8001**

The file replication service API was called incorrectly.

**FRS\_ERR\_INVALID\_SERVICE\_PARAMETER = 8017**

The file replication service detected an invalid parameter.

**FRS\_ERR\_PARENT\_AUTHENTICATION = 8010**

The file replication service cannot satisfy the request because authenticated RPC is not available on the domain controller. The event log might contain more information.

**FRS\_ERR\_PARENT\_INSUFFICIENT\_PRIV = 8009**

The file replication service cannot satisfy the request because the user has insufficient privileges on the domain controller. The event log might contain more information.

#### **FRS\_ERR\_PARENT\_TO\_CHILD\_COMM = 8012**

The file replication service on the domain controller cannot communicate with the file replication service on this computer. The event log might contain more information.

#### **FRS\_ERR\_SERVICE\_COMM = 8006**

The file replication service cannot be contacted. The event log might contain more information.

#### **FRS\_ERR\_STARTING\_SERVICE = 8002**

The file replication service cannot be started.

#### **FRS\_ERR\_STOPPING\_SERVICE = 8003**

The file replication service cannot be stopped.

#### **FRS\_ERR\_SYSVOL\_DEMOTE = 8016**

The file replication service cannot stop replicating the system volume because of an internal error. The event log might contain more information.

#### **FRS\_ERR\_SYSVOL\_IS\_BUSY = 8015**

The file replication service cannot process the request. The system volume is busy with a previous request.

#### **FRS\_ERR\_SYSVOL\_POPULATE = 8013**

The file replication service cannot populate the system volume because of an internal error. The event log might contain more information.

#### **FRS\_ERR\_SYSVOL\_POPULATE\_TIMEOUT = 8014**

The file replication service cannot populate the system volume because of an internal time-out. The event log might contain more information.

#### **NERR\_ACFFileIOFail = 2229**

A disk I/O failure occurred.

#### **NERR\_ACFNoParent = 2232**

The parent directory could not be located.

**NERR\_ACFNoRoom = 2228**

There are too many names in the user accounts database.

**NERR\_ACFNotFound = 2219**

The security database could not be found.

**NERR\_ACFNotLoaded = 2227**

The security database has not been started.

**NERR\_ACFTooManyLists = 2230**

The limit of 64 entries per resource was exceeded.

**NERR\_AccountExpired = 2239**

This user account has expired.

**NERR\_AccountLockedOut = 2702**

The account is locked out.

**NERR\_AccountUndefined = 2238**

This user account is undefined.

**NERR\_AcctLimitExceeded = 2434**

A user's session with this server has been deleted.

**NERR\_ActiveConns = 2402**

Active connections still exist.

**NERR\_AddForwarded = 2275**

This message alias has been added but is still forwarded.

**NERR\_AlertExists = 2430**

The specified client is already registered for the specified event.

**NERR\_AlreadyExists = 2276**

This message alias already exists locally.

**NERR\_AlreadyForwarded = 2274**

This message alias has already been forwarded.

**NERR\_AlreadyLoggedOn = 2200**

This workstation is already logged on to the LAN.

**NERR\_BadAsgType = 2251**

This asg\_type is invalid.

**NERR\_BadComponent = 2356**

This path component is invalid.

**NERR\_BadControlRecv = 2193**

The service control dispatcher pipe read failed.

**NERR\_BadDest = 2382**

The destination path is illegal.

**NERR\_BadDev = 2341**

The requested device is invalid.

**NERR\_BadDevString = 2340**

This list of devices is invalid.

**NERR\_BadDosFunction = 2502**

The program below called an unsupported MS-DOS function.

**NERR\_BadDosRetCode = 2500**

The program below returned an MS-DOS error code.

**NERR\_BadEventName = 2143**

The event name is invalid.

**NERR\_BadFileCheckSum = 2504**

The file below is corrupt.

**NERR\_BadPassword** = 2203

The password parameter is invalid.

**NERR\_BadPasswordCore** = 2403

This share name or password is invalid.

**NERR\_BadQueueDevString** = 2334

This device name list is invalid.

**NERR\_BadQueuePriority** = 2335

The queue priority is invalid.

**NERR\_BadReceive** = 2282

The message was sent but not received.

**NERR\_BadRecipient** = 2433

The alert recipient is invalid.

**NERR\_BadServiceName** = 2185

The service name is invalid.

**NERR\_BadServiceProgName** = 2188

The configuration file contains an invalid service program name.

**NERR\_BadSource** = 2381

The source path is illegal.

**NERR\_BadTransactConfig** = 2141

The server is not configured for transactions.

**NERR\_BadUasConfig** = 2450

The user accounts database is not configured correctly.

**NERR\_BadUsername** = 2202

The user name or group name parameter is invalid.

**NERR\_BrowserConfiguredToNotRun = 2550**

The browser service was configured with MaintainServerList=No.

**NERR\_BrowserNotStarted = 2139**

The requested information is not available.

**NERR\_BrowserTableIncomplete = 2319**

The information in the list of servers might be incorrect.

**NERR\_BufTooSmall = 2123**

The API return buffer is too small.

**NERR\_CallingRplSrvr = 2515**

Connecting to the Remoteboot server.

**NERR\_CanNotGrowSegment = 2233**

Unable to add to the security database session cache segment.

**NERR\_CanNotGrowUASFile = 2456**

Unable to add to the user accounts database.

**NERR\_CantConnectRplSrvr = 2513**

Cannot connect to the Remoteboot server.

**NERR\_CantOpenImageFile = 2514**

Cannot open image file on the Remoteboot server.

**NERR\_CantType = 2357**

Could not determine the type of input.

**NERR\_CfgCompNotFound = 2146**

The specified component could not be found in the configuration information.

**NERR\_CfgParamNotFound = 2147**

The specified parameter could not be found in the configuration information.

**NERR\_ClientNameNotFound = 2312**

A session does not exist with that computer name.

**NERR\_CommDevInUse = 2343**

This device is already in use as a communication device.

**NERR\_ComputerAccountNotFound = 2697**

The specified computer account could not be found.

**NERR\_DCNotFound = 2453**

Could not find the domain controller for this domain.

**NERR\_DataTypeInvalid = 2167**

The data type is not supported by the print processor.

**NERR\_DatabaseUpToDate = 2248**

No updates are necessary to this replicant network or local security database.

**NERR\_DefaultJoinRequired = 2694**

The destination domain controller does not support creating machine accounts in organizational units (OUs).

**NERR\_DeleteComputerName = 2278**

The computer name could not be deleted.

**NERR\_DeleteLater = 2298**

This message alias will be deleted later.

**NERR\_DestExists = 2153**

The printer destination already exists.

**NERR\_DestIdle = 2158**

This printer destination is idle and cannot accept control operations.

**NERR\_DestInvalidOp = 2159**

This printer destination request contains an invalid control function.

**NERR\_DestInvalidState = 2162**

This operation cannot be performed on the print destination in its current state.

**NERR\_DestNoRoom = 2157**

No more printer destinations can be added.

**NERR\_DestNotFound = 2152**

The printer destination cannot be found.

**NERR\_DevInUse = 2404**

The device is being accessed by an active process.

**NERR\_DevInvalidOpCode = 2331**

The operation is invalid for this device.

**NERR\_DevNotFound = 2332**

This device cannot be shared.

**NERR\_DevNotOpen = 2333**

This device was not open.

**NERR\_DevNotRedirected = 2107**

The device is not connected.

**NERR\_DeviceIsShared = 2252**

This device is currently being shared.

**NERR\_DeviceNotShared = 2311**

This device is not shared.

**NERR\_DeviceShareConflict = 2318**

This device cannot be shared as both a spooled and a nonspooled resource.

**NERR\_DfsAlreadyShared = 2664**

The server share specified is already shared in the DFS.

**NERR\_DfsBadRenamePath = 2671**

The specified rename target path is invalid.

**NERR\_DfsCantCreateJunctionPoint = 2669**

Unable to create a link.

**NERR\_DfsCantRemoveDfsRoot = 2682**

The DFS root cannot be deleted. Uninstall DFS if required.

**NERR\_DfsCantRemoveLastServerShare = 2677**

Cannot remove the last server share supporting this root or link.

**NERR\_DfsChildOrParentInDfs = 2683**

A child or parent directory of the share is already in a DFS.

**NERR\_DfsCyclicalName = 2674**

A cycle in the DFS name was detected.

**NERR\_DfsDataIsIdentical = 2681**

The DFS data being reconciled is identical.

**NERR\_DfsDuplicateService = 2676**

This link is already supported by the specified server share.

**NERR\_DfsInconsistent = 2679**

The internal state of the DFS Service has become inconsistent.

**NERR\_DfsInternalCorruption = 2660**

The internal database maintained by the DFS service is corrupt.

**NERR\_DfsInternalError = 2690**

DFS internal error.

**NERR\_DfsLeafVolume = 2667**

The operation is not valid in this portion of the namespace.

**NERR\_DfsNoSuchServer = 2673**

The specified server is not a server for this link.

**NERR\_DfsNoSuchShare = 2665**

The indicated server share does not support the indicated DFS namespace.

**NERR\_DfsNoSuchVolume = 2662**

There is no DFS name whose entry path matches the input entry path.

**NERR\_DfsNotALeafVolume = 2666**

The operation is not valid in this portion of the namespace.

**NERR\_DfsNotSupportedInServerDfs = 2675**

The operation is not supported on a server-based DFS.

**NERR\_DfsServerNotDfsAware = 2670**

The server is not DFS-aware.

**NERR\_DfsServerUpgraded = 2680**

The DFS Service has been installed on the specified server.

**NERR\_DfsVolumeAlreadyExists = 2663**

A root or link with the given name already exists.

**NERR\_DfsVolumeDataCorrupt = 2661**

One of the records in the internal DFS database is corrupt.

**NERR\_DfsVolumeHasMultipleServers = 2668**

The operation is ambiguous because the link has multiple servers.

**NERR\_DfsVolumeIsInterDfs = 2678**

The operation is not supported for an inter-DFS link.

**NERR\_DfsVolumeIsOffline = 2672**

The specified DFS link is offline.

**NERR\_DifferentServers = 2383**

The source and destination paths are on different servers.

**NERR\_DriverNotFound = 2166**

The device driver does not exist.

**NERR\_DupNameReboot = 2144**

The computer name already exists on the network. Change it and reboot the computer.

**NERR\_DuplicateName = 2297**

A duplicate message alias exists on the network.

**NERR\_DuplicateShare = 2118**

The name has already been shared.

**NERR\_ErrCommRunSrv = 2389**

An error occurred when communicating with a Run server.

**NERR\_ErrorExecingGhost = 2391**

An error occurred when starting a background process.

**NERR\_ExecFailure = 2315**

A failure occurred when executing a remote administration command.

**NERR\_FileIdNotFound = 2314**

There is not an open file with that identification number.

**NERR\_GroupExists = 2223**

The group already exists.

**NERR\_GroupNotFound = 2220**

The group name could not be found.

**NERR\_GrpMsgProcessor = 2280**

An error occurred in the domain message processor.

**NERR\_ImageParamErr** = 2508

Image parameter substitution failed.

**NERR\_InUseBySpooler** = 2342

This device is already in use by the spooler.

**NERR\_IncompleteDel** = 2299

The message alias was not successfully deleted from all networks.

**NERR\_InternalError** = 2140

An internal error occurred.

**NERR\_InvalidAPI** = 2142

The requested API is not supported on the remote server.

**NERR\_InvalidComputer** = 2351

This computer name is invalid.

**NERR\_InvalidDatabase** = 2247

The security database is corrupted.

**NERR\_InvalidDevice** = 2294

This is an invalid device name.

**NERR\_InvalidLana** = 2400

The LAN adapter number is invalid.

**NERR\_InvalidLogSeek** = 2440

The log file does not contain the requested record number.

**NERR\_InvalidLogonHours** = 2241

The user is not allowed to log on at this time.

**NERR\_InvalidMaxUsers** = 2122

The Peer service supports only two simultaneous users.

**NERR\_InvalidUASOp = 2451**

This operation is not permitted when the Net Logon service is running.

**NERR\_InvalidWorkgroupName = 2695**

The specified workgroup name is invalid.

**NERR\_InvalidWorkstation = 2240**

The user is not allowed to log on from this workstation.

**NERR\_IsDfsShare = 2321**

The share must be removed from the Distributed File System (DFS) before it can be deleted.

**NERR\_ItemNotFound = 2115**

The queue is empty.

**NERR\_JobInvalidState = 2164**

This operation cannot be performed on the print job in its current state.

**NERR\_JobNoRoom = 2156**

No more print jobs can be added.

**NERR\_JobNotFound = 2151**

The print job does not exist.

**NERR\_LanmanIniError = 2131**

An error occurred when opening or reading the configuration file.

**NERR\_LastAdmin = 2452**

This operation is not allowed on the last administrative account.

**NERR\_LineTooLong = 2149**

A line in the configuration file is too long.

**NERR\_LocalDrive = 2405**

The drive letter is in use locally.

**NERR\_LocalForward = 2279**

Messages cannot be forwarded back to the same workstation.

**NERR\_LogFileChanged = 2378**

This log file has changed between reads.

**NERR\_LogFileCorrupt = 2379**

Log file %1 is corrupt.

**NERR\_LogOverflow = 2377**

Log file %1 is full.

**NERR\_LogonDomainExists = 2216**

There is already a logon domain for this computer.

**NERR\_LogonNoUserPath = 2211**

The server is configured without a valid user path.

**NERR\_LogonScriptError = 2212**

An error occurred while loading or running the logon script.

**NERR\_LogonServerConflict = 2210**

A centralized logon server conflict occurred.

**NERR\_LogonServerNotFound = 2215**

The logon server could not be found.

**NERR\_LogonTrackingError = 2454**

Could not set logon information for this user.

**NERR\_LogonsPaused = 2209**

Network logons are paused.

**NERR\_MaxLenExceeded = 2354**

The string and prefix specified are too long.

**NERR\_MsgAlreadyStarted = 2271**

The Messenger service is already started.

**NERR\_MsgInitFailed = 2272**

The Messenger service failed to start.

**NERR\_MsgNotStarted = 2284**

The Messenger service has not been started.

**NERR\_MultipleNets = 2300**

This operation is not supported on computers with multiple networks.

**NERR\_NameInUse = 2283**

The message alias is currently in use. Try again later.

**NERR\_NameNotForwarded = 2288**

Messages for this alias are not currently being forwarded.

**NERR\_NameNotFound = 2273**

The message alias could not be found on the network.

**NERR\_NameUsesIncompatibleCodePage = 2696**

The specified computer name is incompatible with the default language used on the domain controller.

**NERR\_NetNameNotFound = 2310**

This shared resource does not exist.

**NERR\_NetNotStarted = 2102**

The workstation driver is not installed.

**NERR\_NetlogonNotStarted = 2455**

The Net Logon service has not been started.

**NERR\_NetworkError = 2136**

A general network error occurred.

**NERR\_NoAlternateServers = 2467**

There are no alternate servers registered on this server.

**NERR\_NoCommDevs = 2337**

There are no shared communication devices.

**NERR\_NoComputerName = 2270**

The computer name could not be added as a message alias. The name might already exist on the network.

**NERR\_NoForwardName = 2286**

The forwarded message alias could not be found on the network.

**NERR\_NoNetworkResource = 2105**

A network resource shortage occurred.

**NERR\_NoRoom = 2119**

The server is currently out of the requested resource.

**NERR\_NoRplBootSystem = 2505**

No loader is specified in the boot-block definition file.

**NERR\_NoSuchAlert = 2432**

An invalid or nonexistent alert name was raised.

**NERR\_NoSuchConnection = 2462**

The connection identification does not specify a valid connection.

**NERR\_NoSuchServer = 2460**

The server identification does not specify a valid server.

**NERR\_NoSuchSession = 2461**

The session identification does not specify a valid session.

**NERR\_NonDosFloppyUsed = 2510**

The image was not generated from an MS-DOS disk formatted with /S.

**NERR\_NonValidatedLogon = 2217**

The logon server could not validate the logon.

**NERR\_NotInCache = 2235**

This user is not cached in the user accounts database session cache.

**NERR\_NotInDispatchTbl = 2192**

The service control dispatcher could not find the service name in the dispatch table.

**NERR\_NotLocalDomain = 2320**

The computer is not active in this domain.

**NERR\_NotLocalName = 2285**

The name is not on the local computer.

**NERR\_NotLoggedOn = 2201**

The workstation is not logged on to the LAN.

**NERR\_NotPrimary = 2226**

This operation is allowed only on the PDC of the domain.

**NERR\_OpenFiles = 2401**

There are open files on the connection.

**NERR\_PasswordCantChange = 2243**

The password of this user cannot change.

**NERR\_PasswordExpired = 2242**

The password of this user has expired.

**NERR\_PasswordFilterError = 2705**

The password does not meet the requirements of the password filter DLLs.

**NERR\_PasswordHistConflict = 2244**

This password cannot be used now.

**NERR\_PasswordMismatch** = 2458

A password mismatch has been detected.

**NERR\_PasswordMustChange** = 2701

The password must change at the next logon.

**NERR\_PasswordNotComplexEnough** = 2704

The password does not meet the complexity policy.

**NERR\_PasswordTooLong** = 2703

The password is too long.

**NERR\_PasswordTooRecent** = 2246

The password of this user is too recent to change.

**NERR\_PasswordTooShort** = 2245

The password does not meet the password policy requirements. Check the minimum password length, password complexity, and password history requirements.

**NERR\_PausedRemote** = 2281

The message was sent, but the recipient has paused the Messenger service.

**NERR\_PersonalSku** = 2698

This version of Windows cannot be joined to a domain.

**NERR\_ProcNoRespond** = 2160

The print processor is not responding.

**NERR\_ProcNotFound** = 2168

The print processor is not installed.

**NERR\_ProfileCleanup** = 2372

The system cannot delete current connections to network resources.

**NERR\_ProfileFileTooBig** = 2370

Profile files cannot exceed 64 KB.

**NERR\_ProfileLoadErr = 2374**

An error occurred while loading the profile file.

**NERR\_ProfileOffset = 2371**

The start offset is out of range.

**NERR\_ProfileSaveErr = 2375**

Errors occurred while saving the profile file. The profile was partially saved.

**NERR\_ProfileUnknownCmd = 2373**

The system was unable to parse the command line in this file.

**NERR\_ProgNeedsExtraMem = 2501**

The program below needs more memory.

**NERR\_QExists = 2154**

The print queue already exists.

**NERR\_QNoRoom = 2155**

No more printers can be added.

**NERR\_QNotFound = 2150**

The printer does not exist.

**NERR\_QInvaldState = 2163**

This operation cannot be performed on the print queue in its current state.

**NERR\_QueueNotFound = 2338**

The queue you specified does not exist.

**NERR\_RPL\_CONNECTED = 2519**

A second connection to a Remoteboot resource is not allowed.

**NERR\_RedirectedPath = 2117**

The operation is invalid on a redirected resource.

**NERR\_RemoteBootFailed = 2503**

The workstation failed to boot.

**NERR\_RemoteErr = 2127**

A remote API error occurred.

**NERR\_RemoteFull = 2287**

The message alias table on the remote station is full.

**NERR\_RemoteOnly = 2106**

This operation is not supported on workstations.

**NERR\_ResourceExists = 2225**

The resource permission list already exists.

**NERR\_ResourceNotFound = 2222**

The resource name could not be found.

**NERR\_RplAdapterInfoCorrupted = 2625**

Adapter ID record information has been corrupted.

**NERR\_RplAdapterNameUnavailable = 2633**

Chosen network adapter ID is in use by some other workstation.

**NERR\_RplAdapterNotFound = 2637**

Adapter record was not found.

**NERR\_RplBackupDatabase = 2636**

Service failed to back up the Remoteboot database.

**NERR\_RplBadDatabase = 2612**

Service failed to start because its database is absent or corrupt.

**NERR\_RplBadRegistry = 2611**

Service failed to start due to bad startup information in the registry.

**NERR\_RplBootInUse** = 2635

There are workstations, profiles, or configurations using this boot block.

**NERR\_RplBootInfoCorrupted** = 2628

Boot block record information has been corrupted.

**NERR\_RplBootNameUnavailable** = 2640

The boot name or vendor ID is in use by some other boot block record.

**NERR\_RplBootNotFound** = 2631

Boot block record was not found.

**NERR\_RplBootRestart** = 2511

Remote boot will be restarted later.

**NERR\_RplBootServiceTerm** = 2517

Remote boot service was stopped, check the error log for the cause of the problem.

**NERR\_RplBootStartFailed** = 2518

Remote boot startup failed; check the error log for the cause of the problem.

**NERR\_RplCannotEnum** = 2615

Cannot enumerate service records.

**NERR\_RplConfigInfoCorrupted** = 2623

Configuration record information has been corrupted.

**NERR\_RplConfigNameUnavailable** = 2641

The configuration name is in use by some other configuration.

**NERR\_RplConfigNotEmpty** = 2634

There are profiles using this configuration.

**NERR\_RplConfigNotFound** = 2624

Configuration record was not found.

**NERR\_RplIncompatibleProfile = 2632**

Chosen profile is incompatible with this workstation.

**NERR\_RplInternal = 2626**

An internal service error has occurred.

**NERR\_RplLoadrDiskErr = 2507**

A disk I/O error occurred.

**NERR\_RplLoadrNetBiosErr = 2506**

NetBIOS returned an error: The network control blocks (NCBs) and Server Message Block (SMB) are dumped above.

**NERR\_RplNeedsRPLUSERAcct = 2630**

The RPLUSER local group could not be found.

**NERR\_RplNoAdaptersStarted = 2610**

Service failed to start because none of the network adapters started with this service.

**NERR\_RplNotRplServer = 2614**

Service failed to start because the RPLUSER group is absent.

**NERR\_RplProfileInfoCorrupted = 2619**

Profile record information has been corrupted.

**NERR\_RplProfileNameUnavailable = 2621**

Profile name is in use by some other profile.

**NERR\_RplProfileNotEmpty = 2622**

There are workstations using this profile.

**NERR\_RplProfileNotFound = 2620**

Profile record was not found.

**NERR\_RplRplfilesShare = 2613**

Service failed to start because the RPLFILES share is absent.

**NERR\_RplSrvrCallFailed = 2512**

The call to the Remoteboot server failed.

**NERR\_RplVendorInfoCorrupted = 2627**

Vendor ID record information has been corrupted.

**NERR\_RplVendorNameUnavailable = 2639**

Vendor name is in use by some other vendor record.

**NERR\_RplVendorNotFound = 2638**

Vendor record was not found.

**NERR\_RplWkstaInfoCorrupted = 2616**

Workstation record information has been corrupted.

**NERR\_RplWkstaNameUnavailable = 2618**

Workstation name is in use by some other workstation.

**NERR\_RplWkstaNeedsUserAcct = 2629**

The user account for this workstation record is missing.

**NERR\_RplWkstaNotFound = 2617**

Workstation record was not found.

**NERR\_RunSrvPaused = 2385**

The Run server you requested is paused.

**NERR\_ServerNotStarted = 2114**

The Server service is not started.

**NERR\_ServiceCtlBusy = 2187**

The service control is busy.

**NERR\_ServiceCtlNotValid = 2191**

The requested pause or stop is not valid for this service.

**NERR\_ServiceCtlTimeout = 2186**

The service is not responding to the control function.

**NERR\_ServiceEntryLocked = 2183**

The service does not respond to control actions.

**NERR\_ServiceInstalled = 2182**

The requested service has already been started.

**NERR\_ServiceKillProc = 2190**

The service ended abnormally.

**NERR\_ServiceNotCtrl = 2189**

The service could not be controlled in its present state.

**NERR\_ServiceNotInstalled = 2184**

The service has not been started.

**NERR\_ServiceNotStarting = 2194**

A thread for the new service could not be created.

**NERR\_ServiceTableFull = 2181**

The service table is full.

**NERR\_ServiceTableLocked = 2180**

The service database is locked.

**NERR\_SetupAlreadyJoined = 2691**

This machine is already joined to a domain.

**NERR\_SetupDomainController = 2693**

This machine is a domain controller and cannot be unjoined from a domain.

**NERR\_SetupNotJoined = 2692**

This machine is not currently joined to a domain.

**NERR\_ShareMem = 2104**

An internal error occurred. The network cannot access a shared memory segment.

**NERR\_ShareNotFound = 2392**

The shared resource you are connected to could not be found.

**NERR\_SourceIsDir = 2380**

The source path cannot be a directory.

**NERR\_SpeGroupOp = 2234**

This operation is not allowed on this special group.

**NERR\_SpoolNoMemory = 2165**

A spooler memory allocation failure occurred.

**NERR\_SpoolerNotLoaded = 2161**

The spooler is not running.

**NERR\_StandaloneLogon = 2214**

The logon server was not specified. The computer will be logged on as STANDALONE.

**NERR\_StartingRplBoot = 2516**

Connecting to the Remoteboot server.

**NERR\_Success = 0**

The operation completed successfully.

**NERR\_SyncRequired = 2249**

This replicant database is outdated; synchronization is required.

**NERR\_TimeDiffAtDC = 2457**

This server's clock is not synchronized with the PDC's clock.

**NERR\_TmpFile = 2316**

A failure occurred when opening a remote temporary file.

**NERR\_TooManyAlerts = 2431**

The alert table is full.

**NERR\_TooManyConnections = 2465**

The server has reached the maximum number of connections it supports.

**NERR\_TooManyEntries = 2362**

The buffer for types is not big enough.

**NERR\_TooManyFiles = 2466**

The server cannot open more files because it has reached its maximum number.

**NERR\_TooManyImageParams = 2509**

Too many image parameters cross disk sector boundaries.

**NERR\_TooManyItems = 2121**

Requested addition of items exceeds the maximum allowed.

**NERR\_TooManyNames = 2277**

The maximum number of added message aliases has been exceeded.

**NERR\_TooManyServers = 2463**

There is no space for another entry in the table of available servers.

**NERR\_TooManySessions = 2464**

The server has reached the maximum number of sessions it supports.

**NERR\_TooMuchData = 2317**

The data returned from a remote administration command has been truncated to 64 KB.

**NERR\_TruncatedBroadcast = 2289**

The broadcast message was truncated.

**NERR\_TryDownLevel = 2470**

Try the down-level (remote admin protocol) version of API instead.

**NERR\_UPSDriverNotStarted = 2480**

The uninterruptible power supply (UPS) driver could not be accessed by the UPS service.

**NERR\_UPSInvalidCommPort = 2482**

The UPS service could not access the specified Comm Port.

**NERR\_UPSInvalidConfig = 2481**

The UPS service is not configured correctly.

**NERR\_UPSShutdownFailed = 2484**

The UPS service failed to perform a system shut down.

**NERR\_UPSSignalAsserted = 2483**

The UPS indicated a line fail or low battery situation. Service not started.

**NERR\_UnableToAddName\_F = 2205**

The logon processor did not add the message alias.

**NERR\_UnableToAddName\_W = 2204**

The logon processor did not add the message alias.

**NERR\_UnableToDeleteName\_F = 2207**

The logoff processor did not delete the message alias.

**NERR\_UnableToDeleteName\_W = 2206**

The logoff processor did not delete the message alias.

**NERR\_UnknownDevDir = 2116**

The device or directory does not exist.

**NERR\_UnknownServer = 2103**

The server could not be located.

**NERR\_UseNotFound = 2250**

The network connection could not be found.

**NERR\_UserExists = 2224**

The user account already exists.

**NERR\_UserInGroup = 2236**

The user already belongs to this group.

**NERR\_UserLogon = 2231**

Deleting a user with a session is not allowed.

**NERR\_UserNotFound = 2221**

The user name could not be found.

**NERR\_UserNotInGroup = 2237**

The user does not belong to this group.

**NERR\_WkstaInconsistentState = 2137**

The Workstation service is in an inconsistent state. Restart the computer before restarting the Workstation service.

**NERR\_WkstaNotStarted = 2138**

The Workstation service has not been started.

**NERR\_WriteFault = 2295**

A write fault occurred.

**OR\_INVALID\_OID = 1911**

The object specified was not found.

**OR\_INVALID\_OXID = 1910**

The object exporter specified was not found.

**OR\_INVALID\_SET = 1912**

The object set specified was not found.

**PEERDIST\_ERROR\_ALREADY\_COMPLETED = 4060**

Cannot perform the requested operation because it has already been carried out.

**PEERDIST\_ERROR\_ALREADY\_EXISTS = 4058**

An element already exists and was not replaced.

**PEERDIST\_ERROR\_ALREADY\_INITIALIZED = 4055**

The supplied object has already been initialized.

**PEERDIST\_ERROR\_CANNOT\_PARSE\_CONTENTINFO = 4051**

The supplied content information is malformed.

**PEERDIST\_ERROR\_CONTENTINFO\_VERSION\_UNSUPPORTED = 4050**

The version of the supplied content information is not supported.

**PEERDIST\_ERROR\_INVALIDATED = 4057**

The supplied object has already been invalidated.

**PEERDIST\_ERROR\_INVALID\_CONFIGURATION = 4063**

A configuration value is invalid.

**PEERDIST\_ERROR\_MISSING\_DATA = 4052**

The requested data cannot be found in local or peer caches.

**PEERDIST\_ERROR\_NOT\_INITIALIZED = 4054**

The supplied object has not been initialized.

**PEERDIST\_ERROR\_NOT\_LICENSED = 4064**

The SKU is not licensed.

**PEERDIST\_ERROR\_NO\_MORE = 4053**

No more data is available or required.

**PEERDIST\_ERROR\_OPERATION\_NOTFOUND = 4059**

Cannot cancel the requested operation as it has already been completed.

**PEERDIST\_ERROR\_OUT\_OF\_BOUNDS = 4061**

An operation accessed data beyond the bounds of valid data.

**PEERDIST\_ERROR\_SERVICE\_UNAVAILABLE = 4065**

PeerDist Service is still initializing and will be available shortly.

**PEERDIST\_ERROR\_SHUTDOWN\_IN\_PROGRESS = 4056**

A shutdown operation is already in progress.

**PEERDIST\_ERROR\_VERSION\_UNSUPPORTED = 4062**

The requested version is not supported.

**RPC\_S\_ADDRESS\_ERROR = 1768**

An addressing error occurred in the RPC server.

**RPC\_S\_ALREADY\_LISTENING = 1713**

The RPC server is already listening.

**RPC\_S\_ALREADY\_REGISTERED = 1711**

The object UUID) has already been registered.

**RPC\_S\_BINDING\_HAS\_NO\_AUTH = 1746**

The binding does not contain any authentication information.

**RPC\_S\_BINDING\_INCOMPLETE = 1819**

The binding handle does not contain all the required information.

**RPC\_S\_CALL\_CANCELLED = 1818**

The RPC was canceled.

**RPC\_S\_CALL\_FAILED = 1726**

The RPC failed.

**RPC\_S\_CALL\_FAILED\_DNE = 1727**

The RPC failed and did not execute.

**RPC\_S\_CALL\_IN\_PROGRESS = 1791**

An RPC is already in progress for this thread.

**RPC\_S\_CANNOT\_SUPPORT = 1764**

The requested operation is not supported.

**RPC\_S\_CANT\_CREATE\_ENDPOINT = 1720**

The endpoint cannot be created.

**RPC\_S\_COMM\_FAILURE = 1820**

A communications failure occurred during an RPC.

**RPC\_S\_DUPLICATE\_ENDPOINT = 1740**

The endpoint is a duplicate.

**RPC\_S\_ENTRY\_ALREADY\_EXISTS = 1760**

The entry already exists.

**RPC\_S\_ENTRY\_NOT\_FOUND = 1761**

The entry is not found.

**RPC\_S\_ENTRY\_TYPE\_MISMATCH = 1922**

The entry is not of the expected type.

**RPC\_S\_FP\_DIV\_ZERO = 1769**

A floating-point operation at the RPC server caused a division by zero.

**RPC\_S\_FP\_OVERFLOW = 1771**

A floating-point overflow occurred at the RPC server.

**RPC\_S\_FP\_UNDERFLOW = 1770**

A floating-point underflow occurred at the RPC server.

**RPC\_S\_GROUP\_MEMBER\_NOT\_FOUND = 1898**

The group member was not found.

**RPC\_S\_GRP\_ELT\_NOT\_ADDED = 1928**

The group element could not be added.

**RPC\_S\_GRP\_ELT\_NOT\_REMOVED = 1929**

The group element could not be removed.

**RPC\_S\_INCOMPLETE\_NAME = 1755**

The entry name is incomplete.

**RPC\_S\_INTERFACE\_NOT\_EXPORTED = 1924**

The interface could not be exported to the specified entry.

**RPC\_S\_INTERFACE\_NOT\_FOUND = 1759**

The interface was not found.

**RPC\_S\_INTERNAL\_ERROR = 1766**

An internal error occurred in an RPC.

**RPC\_S\_INVALID\_ASYNC\_CALL = 1915**

Invalid asynchronous RPC call handle for this operation.

**RPC\_S\_INVALID\_ASYNC\_HANDLE = 1914**

Invalid asynchronous RPC handle.

**RPC\_S\_INVALID\_AUTH\_IDENTITY = 1749**

The security context is invalid.

**RPC\_S\_INVALID\_BINDING = 1702**

The binding handle is invalid.

**RPC\_S\_INVALID\_BOUND = 1734**

The array bounds are invalid.

**RPC\_S\_INVALID\_ENDPOINT\_FORMAT = 1706**

The endpoint format is invalid.

**RPC\_S\_INVALID\_NAF\_ID = 1763**

The network address family is invalid.

**RPC\_S\_INVALID\_NAME\_SYNTAX = 1736**

The name syntax is invalid.

**RPC\_S\_INVALID\_NETWORK\_OPTIONS = 1724**

The network options are invalid.

**RPC\_S\_INVALID\_NET\_ADDR = 1707**

The network address is invalid.

**RPC\_S\_INVALID\_OBJECT = 1900**

The object UUID is the nil UUID.

**RPC\_S\_INVALID\_RPC\_PROTSEQ = 1704**

The RPC protocol sequence is invalid.

**RPC\_S\_INVALID\_STRING\_BINDING = 1700**

The string binding is invalid.

**RPC\_S\_INVALID\_STRING\_UUID = 1705**

The stringUUID is invalid.

**RPC\_S\_INVALID\_TAG = 1733**

The tag is invalid.

**RPC\_S\_INVALID\_TIMEOUT = 1709**

The time-out value is invalid.

**RPC\_S\_INVALID\_VERS\_OPTION = 1756**

The version option is invalid.

**RPC\_S\_MAX\_CALLS\_TOO\_SMALL = 1742**

The maximum number of calls is too small.

**RPC\_S\_NAME\_SERVICE\_UNAVAILABLE = 1762**

The name service is unavailable.

**RPC\_S\_NOHING\_TO\_EXPORT = 1754**

No interfaces have been exported.

**RPC\_S\_NOT\_ALL\_OBJS\_EXPORTED = 1923**

Not all object UUIDs could be exported to the specified entry.

**RPC\_S\_NOT\_ALL\_OBJS\_UNEXPORTED = 1758**

There is nothing to unexport.

**RPC\_S\_NOT\_CANCELLED = 1826**

The thread is not canceled.

**RPC\_S\_NOT\_LISTENING = 1715**

The RPC server is not listening.

**RPC\_S\_NOT\_RPC\_ERROR = 1823**

The error specified is not a valid Windows RPC error code.

**RPC\_S\_NO\_BINDINGS = 1718**

There are no bindings.

**RPC\_S\_NO\_CALL\_ACTIVE = 1725**

There are no RPCs active on this thread.

**RPC\_S\_NO\_CONTEXT\_AVAILABLE = 1765**

No security context is available to allow impersonation.

**RPC\_S\_NO\_ENDPOINT\_FOUND = 1708**

No endpoint was found.

**RPC\_S\_NO\_ENTRY\_NAME = 1735**

The binding does not contain an entry name.

**RPC\_S\_NO\_INTERFACES = 1817**

No interfaces have been registered.

**RPC\_S\_NO\_MORE\_BINDINGS = 1806**

There are no more bindings.

**RPC\_S\_NO\_MORE\_MEMBERS = 1757**

There are no more members.

**RPC\_S\_NO\_PRINC\_NAME = 1822**

No principal name is registered.

**RPC\_S\_NO\_PROTSEQS = 1719**

There are no protocol sequences.

**RPC\_S\_NO\_PROTSEQS\_REGISTERED = 1714**

No protocol sequences have been registered.

**RPC\_S\_OBJECT\_NOT\_FOUND = 1710**

The object UUID) was not found.

**RPC\_S\_OUT\_OF\_RESOURCES = 1721**

Not enough resources are available to complete this operation.

**RPC\_S\_PRF\_elt\_NOT\_ADDED = 1926**

The specified profile element could not be added.

**RPC\_S\_PRF\_elt\_NOT\_REMOVED = 1927**

The specified profile element could not be removed.

**RPC\_S\_PROCNUM\_OUT\_OF\_RANGE = 1745**

The procedure number is out of range.

**RPC\_S\_PROFILE\_NOT\_ADDED = 1925**

The specified profile entry could not be added.

**RPC\_S\_PROTOCOL\_ERROR = 1728**

An RPC protocol error occurred.

**RPC\_S\_PROTSEQ\_NOT\_FOUND = 1744**

The RPC protocol sequence was not found.

**RPC\_S\_PROTSEQ\_NOT\_SUPPORTED = 1703**

The RPC protocol sequence is not supported.

**RPC\_S\_PROXY\_ACCESS\_DENIED = 1729**

Access to the HTTP proxy is denied.

**RPC\_S\_SEC\_PKG\_ERROR = 1825**

A security package-specific error occurred.

**RPC\_S\_SEND\_INCOMPLETE = 1913**

Some data remains to be sent in the request buffer.

**RPC\_S\_SERVER\_TOO\_BUSY = 1723**

The RPC server is too busy to complete this operation.

**RPC\_S\_SERVER\_UNAVAILABLE = 1722**

The RPC server is unavailable.

**RPC\_S\_STRING\_TOO\_LONG = 1743**

The string is too long.

**RPC\_S\_TYPE\_ALREADY\_REGISTERED = 1712**

The type UUID has already been registered.

**RPC\_S\_UNKNOWN\_AUTHN\_LEVEL = 1748**

The authentication level is unknown.

**RPC\_S\_UNKNOWN\_AUTHN\_SERVICE = 1747**

The authentication service is unknown.

**RPC\_S\_UNKNOWN\_AUTHN\_TYPE = 1741**

The authentication type is unknown.

**RPC\_S\_UNKNOWN\_AUTHZ\_SERVICE = 1750**

The authorization service is unknown.

**RPC\_S\_UNKNOWN\_IF = 1717**

The interface is unknown.

**RPC\_S\_UNKNOWN\_MGR\_TYPE = 1716**

The manager type is unknown.

**RPC\_S\_UNSUPPORTED\_AUTHN\_LEVEL = 1821**

The requested authentication level is not supported.

**RPC\_S\_UNSUPPORTED\_NAME\_SYNTAX = 1737**

The name syntax is not supported.

**RPC\_S\_UNSUPPORTED\_TRANS\_SYN = 1730**

The transfer syntax is not supported by the RPC server.

**RPC\_S\_UNSUPPORTED\_TYPE = 1732**

The UUID type is not supported.

**RPC\_S\_UUID\_LOCAL\_ONLY = 1824**

A UUID that is valid only on this computer has been allocated.

**RPC\_S\_UUID\_NO\_ADDRESS = 1739**

No network address is available to use to construct a UUID.

**RPC\_S\_WRONG\_KIND\_OF\_BINDING = 1701**

The binding handle is not the correct type.

**RPC\_S\_ZERO\_DIVIDE = 1767**

The RPC server attempted an integer division by zero.

**RPC\_X\_BAD\_STUB\_DATA = 1783**

The stub received bad data.

**RPC\_X\_BYTE\_COUNT\_TOO\_SMALL = 1782**

The byte count is too small.

**RPC\_X\_ENUM\_VALUE\_OUT\_OF\_RANGE = 1781**

The enumeration value is out of range.

**RPC\_X\_INVALID\_ES\_ACTION = 1827**

Invalid operation on the encoding/decoding handle.

**RPC\_X\_INVALID\_PIPE\_OBJECT = 1830**

The RPC pipe object is invalid or corrupted.

**RPC\_X\_NO\_MORE\_ENTRIES = 1772**

The list of RPC servers available for the binding of auto handles has been exhausted.

**RPC\_X\_NULL\_REF\_POINTER = 1780**

A null reference pointer was passed to the stub.

**RPC\_X\_PIPE\_CLOSED = 1916**

The RPC pipe object has already been closed.

**RPC\_X\_PIPE\_DISCIPLINE\_ERROR = 1917**

The RPC call completed before all pipes were processed.

**RPC\_X\_PIPE\_EMPTY = 1918**

No more data is available from the RPC pipe.

**RPC\_X\_SS\_CANNOT\_GET\_CALL\_HANDLE = 1779**

The stub is unable to get the RPC handle.

**RPC\_X\_SS\_CHAR\_TRANS\_OPEN\_FAIL = 1773**

Unable to open the character translation table file.

**RPC\_X\_SS\_CHAR\_TRANS\_SHORT\_FILE = 1774**

The file containing the character translation table has fewer than 512 bytes.

**RPC\_X\_SS\_CONTEXT\_DAMAGED = 1777**

The context handle changed during an RPC.

**RPC\_X\_SS\_HANDLES\_MISMATCH = 1778**

The binding handles passed to an RPC do not match.

**RPC\_X\_SS\_IN\_NULL\_CONTEXT = 1775**

A null context handle was passed from the client to the host during an RPC.

**RPC\_X\_WRONG\_ES\_VERSION = 1828**

Incompatible version of the serializing package.

**RPC\_X\_WRONG\_PIPE\_ORDER = 1831**

An invalid operation was attempted on an RPC pipe object.

**RPC\_X\_WRONG\_PIPE\_VERSION = 1832**

Unsupported RPC pipe version.

**RPC\_X\_WRONG\_STUB\_VERSION = 1829**

Incompatible version of the RPC stub.

**SCHED\_E\_SERVICE\_NOT\_LOCALSYSTEM = 6200**

The Task Scheduler service must be configured to run in the System account to function properly.  
Individual tasks can be configured to run in other accounts.

**WAIT\_TIMEOUT = 258**

The wait operation timed out.

**WARNING\_IPSEC\_MM\_POLICY\_PRUNED = 13024**

The main mode policy was successfully added, but some of the requested offers are not supported.

**WARNING\_IPSEC\_QM\_POLICY\_PRUNED = 13025**

The quick mode policy was successfully added, but some of the requested offers are not supported.

**WSAEACCES = 10013**

An attempt was made to access a socket in a way forbidden by its access permissions.

**WSAEADDRINUSE = 10048**

Only one usage of each socket address (protocol/network address/port) is normally permitted.

**WSAEADDRNOTAVAIL = 10049**

The requested address is not valid in its context.

**WSAEAFNOSUPPORT = 10047**

An address incompatible with the requested protocol was used.

**WSAEALREADY = 10037**

An operation was attempted on a nonblocking socket that already had an operation in progress.

**WSAEBADF = 10009**

The file handle supplied is not valid.

**WSAECANCELLED = 10103**

A call to WSALookupServiceEnd was made while this call was still processing. The call has been canceled.

**WSAECONNABORTED = 10053**

An established connection was aborted by the software in your host machine.

**WSAECONNREFUSED = 10061**

No connection could be made because the target machine actively refused it.

**WSAECONNRESET = 10054**

An existing connection was forcibly closed by the remote host.

**WSAEDESTADDRREQ = 10039**

A required address was omitted from an operation on a socket.

**WSAEDISCON = 10101**

Returned by WSARecv or WSARecvFrom to indicate that the remote party has initiated a graceful shutdown sequence.

**WSAEDQUOT = 10069**

Ran out of disk quota.

**WSAEFAULT = 10014**

The system detected an invalid pointer address in attempting to use a pointer argument in a call.

**WSAEHOSTDOWN = 10064**

A socket operation failed because the destination host was down.

**WSAEHOSTUNREACH = 10065**

A socket operation was attempted to an unreachable host.

**WSAEINPROGRESS = 10036**

A blocking operation is currently executing.

**WSAEINTR = 10004**

A blocking operation was interrupted by a call to WSACancelBlockingCall.

**WSAEINVAL = 10022**

An invalid argument was supplied.

**WSAEINVALIDPROCTABLE = 10104**

The procedure call table is invalid.

**WSAEINVALIDPROVIDER = 10105**

The requested service provider is invalid.

**WSAEISCONN = 10056**

A connect request was made on an already connected socket.

**WSAELOOP = 10062**

Cannot translate name.

**WSAEMFILE = 10024**

Too many open sockets.

**WSAEMGSIZE = 10040**

A message sent on a datagram socket was larger than the internal message buffer or some other network limit, or the buffer used to receive a datagram into was smaller than the datagram itself.

#### **WSAENAMETOOLONG = 10063**

Name or name component was too long.

#### **WSAENETDOWN = 10050**

A socket operation encountered a dead network.

#### **WSAENETRESET = 10052**

The connection has been broken due to keep-alive activity detecting a failure while the operation was in progress.

#### **WSAENETUNREACH = 10051**

A socket operation was attempted to an unreachable network.

#### **WSAENOBUFS = 10055**

An operation on a socket could not be performed because the system lacked sufficient buffer space or because a queue was full.

#### **WSAENOMORE = 10102**

No more results can be returned by WSALookupServiceNext.

#### **WSAENOPROTOOPT = 10042**

An unknown, invalid, or unsupported option or level was specified in a getsockopt or setsockopt call.

#### **WSAENOTCONN = 10057**

A request to send or receive data was disallowed because the socket is not connected and (when sending on a datagram socket using a sendto call) no address was supplied.

#### **WSAENOTEMPTY = 10066**

Cannot remove a directory that is not empty.

#### **WSAENOTSOCK = 10038**

An operation was attempted on something that is not a socket.

#### **WSAEOPNOTSUPP = 10045**

The attempted operation is not supported for the type of object referenced.

**WSAEPFNOSUPPORT = 10046**

The protocol family has not been configured into the system or no implementation for it exists.

**WSAEPROCLIM = 10067**

A Windows Sockets implementation might have a limit on the number of applications that can use it simultaneously.

**WSAEPROTONOSUPPORT = 10043**

The requested protocol has not been configured into the system, or no implementation for it exists.

**WSAEPROTOTYPE = 10041**

A protocol was specified in the socket function call that does not support the semantics of the socket type requested.

**WSAEPROVIDERFAILEDINIT = 10106**

The requested service provider could not be loaded or initialized.

**WSAEREFUSED = 10112**

A database query failed because it was actively refused.

**WSAEREMOTE = 10071**

Item is not available locally.

**WSAESHUTDOWN = 10058**

A request to send or receive data was disallowed because the socket had already been shut down in that direction with a previous shutdown call.

**WSAESOCKTNOSUPPORT = 10044**

The support for the specified socket type does not exist in this address family.

**WSAESTALE = 10070**

File handle reference is no longer available.

**WSAETIMEDOUT = 10060**

A connection attempt failed because the connected party did not properly respond after a period of time, or the established connection failed because the connected host failed to respond.

**WSAETOOMANYREFS = 10059**

Too many references to a kernel object.

**WSAEUSERS = 10068**

Ran out of quota.

**WSAEWOULDBLOCK = 10035**

A nonblocking socket operation could not be completed immediately.

**WSAHOST\_NOT\_FOUND = 11001**

No such host is known.

**WSANOTINITIALISED = 10093**

Either the application has not called WSAStartup, or WSAStartup failed.

**WSANO\_DATA = 11004**

The requested name is valid, but no data of the requested type was found.

**WSANO\_RECOVERY = 11003**

A nonrecoverable error occurred during a database lookup.

**WSASERVICE\_NOT\_FOUND = 10108**

No such service is known. The service cannot be found in the specified namespace.

**WSASYSCALLFAILURE = 10107**

A system call that should never fail has failed.

**WSASYSNOTREADY = 10091**

WSAStartup cannot function at this time because the underlying system it uses to provide network services is currently unavailable.

**WSATRY AGAIN = 11002**

This is usually a temporary error during host name resolution and means that the local server did not receive a response from an authoritative server.

**WSATYPE\_NOT\_FOUND = 10109**

The specified class was not found.

**WSAVERNOTSUPPORTED = 10092**

The Windows Sockets version requested is not supported.

**WSA\_E\_CANCELLED = 10111**

A call to WSALookupServiceEnd was made while this call was still processing. The call has been canceled.

**WSA\_E\_NO\_MORE = 10110**

No more results can be returned by WSALookupServiceNext.

**WSA\_QOS\_ADMISSION\_FAILURE = 11010**

Error due to lack of resources.

**WSA\_QOS\_BAD\_OBJECT = 11013**

There is a problem with some part of the filterspec or provider-specific buffer in general.

**WSA\_QOS\_BAD\_STYLE = 11012**

Unknown or conflicting style.

**WSA\_QOS\_EFILTERCOUNT = 11021**

An incorrect number of QOS FILTERSPECs were specified in the FLOWDESCRIPTOR.

**WSA\_QOS\_EFILTERSTYLE = 11019**

An invalid QOS filter style was used.

**WSA\_QOS\_EFILBERTYPE = 11020**

An invalid QOS filter type was used.

**WSA\_QOS\_EFLOWCOUNT = 11023**

An incorrect number of flow descriptors was specified in the QOS structure.

**WSA\_QOS\_EFLOWDESC = 11026**

An invalid QOS flow descriptor was found in the flow descriptor list.

**WSA\_QOS\_EFLOWSPEC = 11017**

An invalid or inconsistent flowspec was found in the QOS structure.

**WSA\_QOS\_EOBJLENGTH = 11022**

An object with an invalidObjectLengthfield was specified in the QOS provider-specific buffer.

**WSA\_QOS\_EPOLICYOBJ = 11025**

An invalid policy object was found in the QOS provider-specific buffer.

**WSA\_QOS\_EPROVSPECBUF = 11018**

Invalid QOS provider-specific buffer.

**WSA\_QOS\_EPSFILTERSPEC = 11028**

An invalid FILTERSPEC was found in the QOS provider-specific buffer.

**WSA\_QOS\_EPSFLOWSPEC = 11027**

An invalid or inconsistent flowspec was found in the QOS provider-specific buffer.

**WSA\_QOS\_ESDMODEOBJ = 11029**

An invalid shape discard mode object was found in the QOS provider-specific buffer.

**WSA\_QOS\_ESERVICETYPE = 11016**

An invalid or unrecognized service type was found in the flowspec.

**WSA\_QOS\_ESHAPERATEOBJ = 11030**

An invalid shaping rate object was found in the QOS provider-specific buffer.

**WSA\_QOS\_EUNKOWNPSOBJ = 11024**

An unrecognized object was found in the QOS provider-specific buffer.

**WSA\_QOS\_GENERIC\_ERROR = 11015**

General quality of serve (QOS) error.

**WSA\_QOS\_NO\_RECEIVERS = 11008**

There are no receivers.

**WSA\_QOS\_NO\_SENDERS = 11007**

There are no senders.

**WSA\_QOS\_POLICY\_FAILURE = 11011**

Rejected for administrative reasons—bad credentials.

**WSA\_QOS\_RECEIVERS = 11005**

At least one reserve has arrived.

**WSA\_QOS\_REQUEST\_CONFIRMED = 11009**

Reserve has been confirmed.

**WSA\_QOS\_RESERVED\_PETYPE = 11031**

A reserved policy element was found in the QOS provider-specific buffer.

**WSA\_QOS\_SENDERS = 11006**

At least one path has arrived.

**WSA\_QOS\_TRAFFIC\_CTRL\_ERROR = 11014**

There is a problem with some part of the flowspec.

# Enum WindowState

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Defines states a window can be in.

```
public enumWindowState
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**Hidden** = 3

The window is hidden.

**Iconic** = 2

The window is iconic (minimized).

**Invisible** = 3

The window is hidden.

**Maximized** = 1

The window is zoomed (maximized).

**Minimized** = 2

The window is iconic (minimized).

**Normal** = 0

The window is in the normal state.

**Visible** = 0

The window is in the normal state.

**Zoomed** = 1

The window is zoomed (maximized).

# Class WindowsFile

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Stores data about a Windows file.

```
public class WindowsFile : IDisposable
```

Inheritance

[object](#) ← WindowsFile

Implements

[IDisposable](#)

Inherited Members

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

## Constructors

### WindowsFile(SHFILEINFO, string)

Stores data about a Windows file.

```
public WindowsFile(Shell32.SHFILEINFO info, string path)
```

Parameters

info [Shell32.SHFILEINFO](#)

The [Shell32.SHFILEINFO](#) to create the [WindowsFile](#) from.

path [string](#)

The file path of the file.

## Properties

## Attributes

Gets the file or directory attributes.

```
public WindowsFileAttributes Attributes { get; }
```

### Property Value

[WindowsFileAttributes](#)

## Bytes

Gets the bytes of the file.

```
public byte[] Bytes { get; }
```

### Property Value

[byte](#)[]

### Remarks

Unlike the rest of the [WindowsFile](#) class, this value is not cached.

## Content

Gets the text content of the file.

```
public string Content { get; }
```

### Property Value

[string](#)[]

### Remarks

Unlike the rest of the [WindowsFile](#) class, this value is not cached.

## DisplayName

Gets the display name of the file.

```
public string DisplayName { get; }
```

### Property Value

[string](#)

## Disposed

Set to [true](#) when the [WindowsFile](#) instance is disposed.

```
public bool Disposed { get; }
```

### Property Value

[bool](#)

## FilePath

Gets the file path this [WindowsFile](#) represents.

```
public string FilePath { get; }
```

### Property Value

[string](#)

## Icon

Gets the icon of the file.

```
public Icon Icon { get; }
```

## Property Value

[Icon](#) ↗

## IconIndex

Gets the icon index of the file's icon in Windows's internal image list.

```
public int IconIndex { get; }
```

## Property Value

[int](#) ↗

## TypeName

Gets the display name of the file type of the file that this [WindowsFile](#) stores, or a localized standard Windows value (such as "File folder") for folders.

```
public string TypeName { get; }
```

## Property Value

[string](#) ↗

## Methods

### Dispose()

Frees any resources associated with this [WindowsFile](#).

```
public void Dispose()
```

### ToString()

Converts this [WindowsFile](#) to a string.

```
public override string ToString()
```

Returns

[string](#)

This [WindowsFile](#), converted to a string.

# Enum WindowsFileAttributes

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Specifies attributes for Windows files.

```
[Flags]
public enum WindowsFileAttributes
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**Archive = 32**

A file or directory that is an archive file or directory. Applications typically use this attribute to mark files for backup or removal. (FILE\_ATTRIBUTE\_ARCHIVE)

**ArchiveDir = Directory | Archive**

An archive directory. Applications typically use this attribute to mark directories for backup or removal. This is a composite value.

**Compressed = 2048**

A file or directory that is compressed. For a file, all of the data in the file is compressed. For a directory, compression is the default for newly created files and subdirectories.

**[Obsolete("This value is reserved for system use. Do not use.")] Device = 64**

This value is reserved for system use. Do not use. (FILE\_ATTRIBUTE\_DEVICE)

**Directory = 16**

The handle that identifies a directory. (FILE\_ATTRIBUTE\_DIRECTORY)

**Encrypted = 16384**

A file or directory that is encrypted. For a file, all data streams in the file are encrypted. For a directory, encryption is the default for newly created files and subdirectories. (FILE\_ATTRIBUTE\_ENCRYPTED)

[Obsolete("This value is reserved for system use. Do not use.")] ExAttrib = 262144

A file or directory with extended attributes. This value is for internal use only. Do not use.  
(FILE\_ATTRIBUTE\_EA)

Hidden = 2

The file or directory is hidden. It is not included in an ordinary directory listing.  
(FILE\_ATTRIBUTE\_HIDDEN)

IntegrityStream = 32768

The directory or user data stream is configured with integrity (only supported on ReFS volumes). It is not included in an ordinary directory listing. The integrity setting persists with the file if it's renamed. If a file is copied the destination file will have integrity set if either the source file or destination directory have integrity set. **Windows Server 2008 R2, Windows 7, Windows Server 2008, Windows Vista, Windows Server 2003 and Windows XP:** This flag is not supported until *Windows Server 2012*.  
(FILE\_ATTRIBUTE\_INTEGRITY\_STREAM)

NoContentIndex = 8192

The file or directory is not to be indexed by the content indexing service.  
(FILE\_ATTRIBUTE\_NOT\_CONTENT\_INDEXED)

NoScrubData = 131072

The user data stream not to be read by the background data integrity scanner (AKA scrubber). When set on a directory it only provides inheritance. This flag is only supported on Storage Spaces and ReFS volumes. It is not included in an ordinary directory listing. Windows Server 2008 R2, Windows 7, Windows Server 2008, Windows Vista, Windows Server 2003 and Windows XP: This flag is not supported until Windows 8 and Windows Server 2012. (FILE\_ATTRIBUTE\_NO\_SCRUB\_DATA)

None = 128

A file that does not have other attributes set. This attribute is valid only when used alone.  
(FILE\_ATTRIBUTE\_NORMAL)

Offline = 4096

The data of a file is not available immediately. This attribute indicates that the file data is physically moved to offline storage. This attribute is used by Remote Storage, which is the hierarchical storage management software. Applications should not arbitrarily change this attribute.  
(FILE\_ATTRIBUTE\_OFFLINE)

Pinned = 524288

This attribute indicates user intent that the file or directory should be kept fully present locally even when not being actively accessed. This attribute is for use with hierarchical storage management software. (FILE\_ATTRIBUTE\_PINNED)

#### **ReadOnly = 1**

A file that is read-only. Applications can read the file, but cannot write to it or delete it. This attribute is not honored on directories. For more information, see [You cannot view or change the Read-only or the System attributes of folders in Windows Server 2003, in Windows XP, in Windows Vista or in Windows 7](#). (FILE\_ATTRIBUTE\_READONLY)

#### **RecallOnDataAccess = 4194304**

When this attribute is set, it means that the file or directory is not fully present locally. For a file that means that not all of its data is on local storage (e.g. it may be sparse with some data still in remote storage). For a directory it means that some of the directory contents are being virtualized from another location. Reading the file / enumerating the directory will be more expensive than normal, e.g. it will cause at least some of the file/directory content to be fetched from a remote store. Only kernel-mode callers can set this bit. File system mini filters below the 180000 – 189999 altitude range (FSFilter HSM Load Order Group) must not issue targeted cached reads or writes to files that have this attribute set. This could lead to cache pollution and potential file corruption. For more information, see [Handling placeholders](#). (FILE\_ATTRIBUTE\_RECALL\_ON\_DATA\_ACCESS)

#### **RecallOnOpen = 262144**

This attribute only appears in directory enumeration classes (FILE\_DIRECTORY\_INFORMATION, FILE\_BOTH\_DIR\_INFORMATION, etc.). When this attribute is set, it means that the file or directory has no physical representation on the local system; the item is virtual. Opening the item will be more expensive than normal, e.g. it will cause at least some of it to be fetched from a remote store. (FILE\_ATTRIBUTE\_RECALL\_ON\_OPEN)

#### **ReparsePoint = 1024**

A file or directory that has an associated reparse point, or a file that is a symbolic link.

#### **Sparse = 512**

A file that is a sparse file. (FILE\_ATTRIBUTE\_SPARSE\_FILE)

#### **System = 4**

A file or directory that the operating system uses as part of, or uses exclusively. (FILE\_ATTRIBUTE\_SYSTEM)

**SystemFile = Hidden | System**

A system file. A system file has the [Hidden](#) and [System](#) attributes. This is a composite value.

**Temporary = 256**

A file that is being used for temporary storage. File systems avoid writing data back to mass storage if sufficient cache memory is available, because typically, an application deletes a temporary file after the handle is closed. In that scenario, the system can entirely avoid writing the data. Otherwise, the data is written after the handle is closed. (FILE\_ATTRIBUTE\_TEMPORARY)

**Unpinned = 1048576**

This attribute indicates that the file or directory should not be kept fully present locally except when being actively accessed. This attribute is for use with hierarchical storage management software. (FILE\_ATTRIBUTE\_UNPINNED)

[Obsolete("This value is reserved for system use. Do not use.")] **Virtual = 65536**

This value is reserved for system use. Do not use. (FILE\_ATTRIBUTE\_VIRTUAL)

## See Also

[File Attribute Constants](#) ↗

# Namespace FireBlade.WinInteropUtils.ComponentObjectModel

## Classes

### [COM](#)

Provides basic COM (Component-Object Model) methods from `Ole32.dll` required to use COM.

## Enums

### [COM.COMInitOptions](#)

Specifies flags for [Initialize\(COMInitOptions\)](#).

### [COM.CreateInstanceContext](#)

Values that are used in activation calls to indicate the execution contexts in which an object is to be run. Used in [CreateInstance<TColInterface>\(Guid, IUnknown?, CreateInstanceContext, Guid, out TColInterface?\)](#).

# Class COM

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel](#)

Assembly: WinInteropUtils.dll

Provides basic COM (Component-Object Model) methods from [ole32.dll](#) required to use COM.

```
public static class COM
```

## Inheritance

[object](#) ← COM

## Inherited Members

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

## Methods

**CreateInstance<TCoInterface>(Guid, IUnknown?, CreateInstanceContext, Guid, out TCoInterface?)**

Creates and default-initializes a single object of the class associated with a specified CLSID.

Call CoCreateInstance when you want to create only one object on the local system. To create a single object on a remote system, call the CoCreateInstanceEx function. To create multiple objects based on a single CLSID, call the CoGetClassObject function.

```
public static HRESULT CreateInstance<TCoInterface>(Guid rclsid, IUnknown? pUnkOuter,  
COM.CreateInstanceContext dwClsContext, Guid riid, out TCoInterface? ppv) where TCoInterface  
: IUnknown
```

## Parameters

**rclsid** [Guid](#)

The CLSID associated with the data and code that will be used to create the object.

**pUnkOuter** [IUnknown](#)

If [null](#), indicates that the object is not being created as part of an aggregate. If non-[null](#), pointer to the aggregate object's [IUnknown](#) interface (the controlling [IUnknown](#)).

#### `dwClssContext` [COM.CreateInstanceContext](#)

Context in which the code that manages the newly created object will run. A bitwise combination of [COM.CreateInstanceContext](#) values.

#### `riid` [Guid](#)

A reference to the identifier of the interface to be used to communicate with the object.

#### `ppv` [TCoInterface](#)

Upon successful return, `ppv` contains the requested interface. Upon failure, `ppv` contains [null](#).

#### Returns

#### [HRESULT](#)

A [HRESULT](#). It can be one of the following values:

<a href="#">S_OK</a>	An instance of the specified object class was successfully created.
<a href="#">REGDB_E_CLASSNO_TREG</a>	A specified class is not registered in the registration database. Also can indicate that the type of server you requested in the <a href="#">COM.CreateInstanceContext</a> enumeration is not registered or the values for the server types in the registry are corrupt.
<a href="#">CLASS_E_NOAGGR_EGATION</a>	This class cannot be created as part of an aggregate.
<a href="#">E_NOINTERFACE</a>	The specified class does not implement the requested interface, or the controlling <a href="#">IUnknown</a> does not expose the requested interface.
<a href="#">E_POINTER</a>	The <code>ppv</code> parameter is <a href="#">null</a> .

#### Type Parameters

#### [TCoInterface](#)

## Remarks

The [CreateInstance<TColInterface>\(Guid, IUnknown?, CreateInstanceContext, Guid, out TColInterface?\)](#) function provides a convenient shortcut by connecting to the class object associated with the specified CLSID, creating a default-initialized instance, and releasing the class object.

It is convenient to use [CreateInstance<TColInterface>\(Guid, IUnknown?, CreateInstanceContext, Guid, out TColInterface?\)](#) when you need to create only a single instance of an object on the local machine. If you are creating an instance on remote computer, call CoCreateInstanceEx.

In the [COM.CreateInstanceContext](#) enumeration, you can specify the type of server used to manage the object. The constants can be [InprocServer](#), [InprocHandler](#), [LocalServer](#), [RemoteServer](#) or any combination of these values.

## *UWP applications*

Although there are no restrictions on which CLSIDs a UWP application can pass to [CreateInstance<TColInterface>\(Guid, IUnknown?, CreateInstanceContext, Guid, out TColInterface?\)](#), many objects will fail with [E\\_ACCESSDENIED](#) for security reasons, especially if they do not run in-process. Additionally, even if you can successfully create an object, it might fail at a later time due to UWP security constraints, app-model differences, etc. In particular, background tasks should limit the objects they communicate with to avoid hangs or other complications due to connected stand-by.

## Exceptions

### [InvalidOperationException](#)

TColInterface must be an interface.

## Initialize()

Initializes the COM library on the current thread and identifies the concurrency model as single-thread apartment (STA).

```
public static HRESULT Initialize()
```

## Returns

### [HRESULT](#)

This function can return the standard return values [E\\_INVALIDARG](#), [E\\_OUTOFMEMORY](#), and [E\\_UNEXPECTED](#), as well as the following values:

<a href="#">S_OK</a>	The COM library was initialized successfully on this thread.
<a href="#">S_FALSE</a>	The COM library is already initialized on this thread.
<a href="#">RPC_E_CHANGE_D_MODE</a>	A previous call to <a href="#">Initialize(COMInitOptions)</a> specified the concurrency model for this thread as multithread apartment (MTA). This could also indicate that a change from neutral-threaded apartment to single-threaded apartment has occurred.

## Remarks

New applications should call [Initialize\(COMInitOptions\)](#) instead of [Initialize\(\)](#).

If you want to use the Windows Runtime, you must call [RoInitialize](#) or [Windows::Foundation::Initialize](#) instead.

## Initialize(COMInitOptions)

Initializes the COM library for use by the calling thread, sets the thread's concurrency model, and creates a new apartment for the thread if one is required.

```
public static HRESULT Initialize(COM.COMInitOptions options)
```

## Parameters

[options](#) [COM.COMInitOptions](#)

The concurrency model and initialization options for the thread. Any combination of values from [COM.COMInitOptions](#) can be used, except that the [ApartmentThreaded](#) and [MultiThreaded](#) flags cannot both be set. The default is [MultiThreaded](#).

## Returns

[HRESULT](#)

This function can return either [S\\_OK](#) or [S\\_FALSE](#).

## Remarks

[Initialize\(COMInitOptions\)](#) must be called at least once, and is usually called only once, for each thread that uses the COM library. Multiple calls to [Initialize\(COMInitOptions\)](#) by the same thread are allowed as

long as they pass the same concurrency flag, but subsequent valid calls return [S\\_FALSE](#). If the concurrency flag does not match, then the call fails and returns [RPC\\_E\\_CHANGED\\_MODE](#). (For the purpose of this rule, a call to `CoInitialize` is equivalent to calling [Initialize\(COMInitOptions\)](#) with the [ApartmentThreaded](#) flag.) To uninitialized the COM library gracefully on a thread, each successful call to `CoInitialize` or [Initialize\(COMInitOptions\)](#), including any call that returns [S\\_FALSE](#), must be balanced by a corresponding call to [Uninitialize\(\)](#). Once COM has been uninitialized on a thread, you can reinitialize it in any mode, subject to the constraints above.

You need to initialize the COM library on a thread before you call any of the library functions except `CoGetMalloc`, to get a pointer to the standard allocator, and the memory allocation functions. Otherwise, the COM function will return [CO\\_E\\_NOTINITIALIZED](#).

Objects created in a single-threaded apartment (STA) receive method calls only from their apartment's thread, so calls are serialized and arrive only at message-queue boundaries (when the `PeekMessage` or `SendMessage` function is called).

Objects created on a COM thread in a multithread apartment (MTA) must be able to receive method calls from other threads at any time. You would typically implement some form of concurrency control in a multithreaded object's code using synchronization primitives such as critical sections, semaphores, or mutexes to help protect the object's data.

When an object that is configured to run in the neutral threaded apartment (NTA) is called by a thread that is in either an STA or the MTA, that thread transfers to the NTA. If this thread subsequently calls [Initialize\(COMInitOptions\)](#), the call fails and returns [RPC\\_E\\_CHANGED\\_MODE](#).

Because OLE technologies are not thread-safe, the `OleInitialize` function calls [Initialize\(COMInitOptions\)](#) with the [ApartmentThreaded](#) flag. As a result, an apartment that is initialized for multithreaded object concurrency cannot use the features enabled by `OleInitialize`.

Because there is no way to control the order in which in-process servers are loaded or unloaded, do not call `CoInitialize`, [Initialize\(COMInitOptions\)](#), or [Uninitialize\(\)](#) from the `DllMain` function.

## Uninitialize()

Closes the COM library on the current thread, unloads all DLLs loaded by the thread, frees any other resources that the thread maintains, and forces all RPC connections on the thread to close.

```
public static extern void Uninitialize()
```

## Remarks

A thread must call [Uninitialize\(\)](#) once for each successful call it has made to the [Initialize\(COMInitOptions\)](#) function, including any call that returns S\_FALSE. Only the [Uninitialize\(\)](#) call corresponding to the [Initialize\(COMInitOptions\)](#) call that initialized the library can close it.

Calls to OleInitialize must be balanced by calls to OleUninitialize. The OleUninitialize function calls [Uninitialize\(\)](#) internally, so applications that call OleUninitialize do not also need to call [Uninitialize\(\)](#).

[Uninitialize\(\)](#) should be called on application shutdown, as the last call made to the COM library after the application hides its main windows and falls through its main message loop. If there are open conversations remaining, [Uninitialize\(\)](#) starts a modal message loop and dispatches any pending messages from the containers or server for this COM application. By dispatching the messages, [Uninitialize\(\)](#) ensures that the application does not quit before receiving all of its pending messages. Non-COM messages are discarded.

Because there is no way to control the order in which in-process servers are loaded or unloaded, do not call Colnitialize, [Initialize\(COMInitOptions\)](#), or [Uninitialize\(\)](#) from the [DllMain](#) function.

# Enum COM.COMInitOptions

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel](#)

Assembly: WinInteropUtils.dll

Specifies flags for [Initialize\(COMInitOptions\)](#).

```
[Flags]
public enum COM.COMInitOptions
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**ApartmentThreaded = 2**

Initializes the thread for STA (Single-Threaded Apartment).

**DisableOle1DDE = 4**

Disables DDE for OLE1 support.

**MultiThreaded = 0**

Initializes the thread for MTA (Multi-Threaded Apartment). This is the default.

**SpeedOverMemory = 8**

Increase memory usage in an attempt to increase performance.

## Remarks

When a thread is initialized through a call to [Initialize\(COMInitOptions\)](#), you choose whether to initialize it as apartment-threaded or multithreaded by designating one of the members of [COM.COMInitOptions](#) as its parameter. This designates how incoming calls to any object created by that thread are handled, that is, the object's concurrency.

Apartment-threading, while allowing for multiple threads of execution, serializes all incoming calls by requiring that calls to methods of objects created by this thread always run on the same thread, i.e. the apartment/thread that created them. In addition, calls can arrive only at message-queue boundaries. Because of this serialization, it is not typically necessary to write concurrency control into the code for

the object, other than to avoid calls to [PeekMessage](#) and [SendMessage\(nint, uint, nuint, nint\)](#) during processing that must not be interrupted by other method invocations or calls to other objects in the same apartment/thread.

Multi-threading (also called free-threading) allows calls to methods of objects created by this thread to be run on any thread. There is no serialization of calls, i.e. many calls may occur to the same method or to the same object or simultaneously. Multi-threaded object concurrency offers the highest performance and takes the best advantage of multiprocessor hardware for cross-thread, cross-process, and cross-machine calling, since calls to objects are not serialized in any way. This means, however, that the code for objects must enforce its own concurrency model, typically through the use of synchronization primitives, such as critical sections, semaphores, or mutexes. In addition, because the object doesn't control the lifetime of the threads that are accessing it, no thread-specific state may be stored in the object (in [Thread Local Storage](#)).

*Note: The multi-threaded apartment is intended for use by non-GUI threads. Threads in multi-threaded apartments should not perform UI actions. This is because UI threads require a message pump, and COM does not pump messages for threads in a multi-threaded apartment.*

# Enum COM.CreateInstanceContext

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel](#)

Assembly: WinInteropUtils.dll

Values that are used in activation calls to indicate the execution contexts in which an object is to be run.

Used in [CreateInstance<TCInterface>\(Guid, IUnknown?, CreateInstanceContext, Guid, out TCInterface?\)](#).

```
[Flags]
public enum COM.CreateInstanceContext
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#)

## Fields

**Activate32BitServer = 262144**

Activate or connect to a 32-bit version of the server; fail if one is not registered.  
(CLSEXACTIVATE\_32\_BIT\_SERVER)

**Activate64BitServer = 524288**

Activate or connect to a 64 bit version of the server; fail if one is not registered.  
(CLSEXACTIVATE\_64\_BIT\_SERVER)

**ActivateActivateAsActivatorAsUI = 8388608**

Specify this flag for Interactive User activation behavior for As-Activator servers. A strongly named Medium IL Windows Store app can use this flag to launch an "As Activator" [COM](#) server without a strong name. Also, you can use this flag to bind to a running instance of the [COM](#) server that's launched by a desktop application. (CLSEXACTIVATE\_AAA\_AS\_IU)

The client must be Medium IL, it must be strongly named, which means that it has a SysApplID in the client token, it can't be in session 0, and it must have the same user as the session ID's user in the client token.

If the server is out-of-process and "As Activator", it launches the server with the token of the client token's session user. This token won't be strongly named.

If the server is out-of-process and RunAs "Interactive User", this flag has no effect.

If the server is out-of-process and is any other RunAs type, the activation fails.

This flag has no effect for in-process servers.

Off-machine activations fail when they use this flag.

#### **ActivateArm32Server = 33554432**

CLSCTX\_ACTIVATE\_ARM32\_SERVER

#### **ActivateX86Server = 262144**

Activate or connect to a 32-bit version of the server; fail if one is not registered.

(CLSCTX\_ACTIVATE\_X86\_SERVER)

#### **[Obsolete("This flag is reserved.", DiagnosticId = "WIU128")] AppContainer = 4194304**

Indicates activation is for an app container. (CLSCTX\_APPCONTAINER)

This flag is reserved for internal use and is not intended to be used directly from your code.

#### **DisableActivateAsActivator = 32768**

Disables activate-as-activator (AAA) activations for this activation only. This flag overrides the setting of the EOAC\_DISABLE\_AAA flag from the EOLE\_AUTHENTICATION\_CAPABILITIES enumeration. This flag cannot be set at the same time as [EnableActivateAsActivator](#). Any activation where a server process would be launched under the caller's identity is known as an activate-as-activator (AAA) activation. Disabling AAA activations allows an application that runs under a privileged account (such as LocalSystem) to help prevent its identity from being used to launch untrusted components. Library applications that use activation calls should always set this flag during those calls. This helps prevent the library application from being used in an escalation-of-privilege security attack. This is the only way to disable AAA activations in a library application because the EOAC\_DISABLE\_AAA flag from the EOLE\_AUTHENTICATION\_CAPABILITIES enumeration is applied only to the server process and not to the library application. (CLSCTX\_DISABLE\_AAA)

#### **EnableActivateAsActivator = 65536**

Enables activate-as-activator (AAA) activations for this activation only. This flag overrides the setting of the EOAC\_DISABLE\_AAA flag from the EOLE\_AUTHENTICATION\_CAPABILITIES enumeration. This flag cannot be set at the same time as [DisableActivateAsActivator](#). Any activation where a server process would be launched under the caller's identity is known as an activate-as-activator (AAA) activation. Enabling this flag allows an application to transfer its identity to an activated component. (CLSCTX\_ENABLE\_AAA)

**EnableCloaking = 1048576**

When this flag is specified, [COM](#) uses the impersonation token of the thread, if one is present, for the activation request made by the thread. When this flag is not specified or if the thread does not have an impersonation token, [COM](#) uses the process token of the thread's process for the activation request made by the thread. (CLSCTX\_ENABLE\_CLOAKING)

**EnableCodeDownload = 8192**

Enables the downloading of code from the directory service or the Internet. This flag cannot be set at the same time as [NoCodeDownload](#). (CLSCTX\_ENABLE\_CODE\_DOWNLOAD)

**FromDefaultContext = 131072**

Begin this activation from the default context of the current apartment.  
(CLSCTX\_FROM\_DEFAULT\_CONTEXT)

**[Obsolete("This value is obsolete.")] Inproc16 = 8**

Obsolete. (CLSCTX\_INPROC\_SERVER16)

**InprocHandler = 2**

The code that manages objects of this class is an in-process handler. This is a DLL that runs in the client process and implements client-side structures of this class when instances of the class are accessed remotely. (CLSCTX\_INPROC\_HANDLER)

**[Obsolete("This value is obsolete.")] InprocHandler16 = 32**

Obsolete. (CLSCTX\_INPROC\_HANDLER16)

**InprocServer = 1**

The code that creates and manages objects of this class is a DLL that runs in the same process as the caller of the function specifying the class context. (CLSCTX\_INPROC\_SERVER)

**LocalServer = 4**

The EXE code that creates and manages objects of this class runs on same machine but is loaded in a separate process space. (CLSCTX\_LOCAL\_SERVER)

**NoCodeDownload = 1024**

Disables the downloading of code from the directory service or the Internet. This flag cannot be set at the same time as [EnableCodeDownload](#). (CLSCTX\_NO\_CODE\_DOWNLOAD)

**NoCustomMarshal = 4096**

Specify if you want the activation to fail if it uses custom marshalling.  
(CLSCTX\_NO\_CUSTOM\_MARSHAL)

**NoFailureLog = 16384**

The [NoFailureLog](#) can be used to override the logging of failures in CoCreateInstanceEx.

If the ActivationFailureLoggingLevel is created, the following values can determine the status of event logging:

- 0 = Discretionary logging. Log by default, but clients can override by specifying [NoFailureLog](#) in CoCreateInstanceEx.
- 1 = Always log all failures no matter what the client specified.
- 2 = Never log any failures no matter what client specified. If the registry entry is missing, the default is 0. If you need to control customer applications, it is recommended that you set this value to 0 and write the client code to override failures. It is strongly recommended that you do not set the value to 2. If event logging is disabled, it is more difficult to diagnose problems.

(CLSCTX\_NO\_FAILURE\_LOG)

[Obsolete("This value is reserved.", DiagnosticId = "WIU128")] ProxyStubD11 = -2147483648

Used for loading Proxy/Stub DLLs. (CLSCTX\_PS\_DLL)

This flag is reserved for internal use and is not intended to be used directly from your code.

**RemoteServer = 16**

A remote context. The LocalServer32 or LocalService code that creates and manages objects of this class is run on a different computer. (CLSCTX\_REMOTE\_SERVER)

[Obsolete("This value is reserved.", DiagnosticId = "WIU128")] Reserved1 = 64

Reserved. (CLSCTX\_RESERVED1)

[Obsolete("This value is reserved.", DiagnosticId = "WIU128")] Reserved2 = 128

Reserved. (CLSCTX\_RESERVED2)

[Obsolete("This value is reserved.", DiagnosticId = "WIU128")] Reserved3 = 256

Reserved. (CLSCTX\_RESERVED3)

[Obsolete("This value is reserved.", DiagnosticId = "WIU128")] Reserved4 = 512

Reserved. (CLSTX\_RESERVED4)

[Obsolete("This value is reserved.", DiagnosticId = "WIU128")] Reserved5 = 2048

Reserved. (CLSTX\_RESERVED5)

[Obsolete("This value is reserved.", DiagnosticId = "WIU128")] Reserved6 = 16777216

This value is reserved. (CLSTX\_RESERVED6)

## Remarks

Values from the [COM.CreateInstanceContext](#) enumeration are used in activation calls ([CreateInstance<TColInterface>\(Guid, IUnknown?, CreateInstanceContext, Guid, out TColInterface?\)](#), CoCreateInstanceEx, CoGetClassObject, and so on) to indicate the preferred execution contexts (in-process, local, or remote) in which an object is to be run. They are also used in calls to CoRegisterClassObject to indicate the set of execution contexts in which a class object is to be made available for requests to construct instances.

To indicate that more than one context is acceptable, you can combine multiple values with Boolean ORs. The contexts are tried in the order in which they are listed.

Given a set of [COM.CreateInstanceContext](#) flags, the execution context to be used depends on the availability of registered class codes and other parameters according to the following algorithm.

1. If the call specifies one of the following, [RemoteServer](#) is implied and is added to the list of flags:
  - o An explicit COSERVERINFO structure indicating a machine different from the current computer.
  - o No explicit COSERVERINFO structure specified but the specified class is registered with either the [RemoteServerName](#) or [ActivateAtStorage](#) registry value.

The second case allows applications written prior to the release of distributed [COM](#) to be the configuration of classes for remote activation to be used by client applications available prior to DCOM and the [RemoteServer](#) flag. The cases in which there would be no explicit COSERVERINFO structure are when the value is specified as [null](#) or when it is not one of the function parameters (as in calls to [CreateInstance<TColInterface>\(Guid, IUnknown?, CreateInstanceContext, Guid, out TColInterface?\)](#) and CoGetClassObject).

2. If the explicit COSERVERINFO parameter indicates the current computer, [RemoteServer](#) is removed if present.

The rest of the processing proceeds by looking at the value(s) in the following sequence:

1. If the flags include [RemoteServer](#) and no COSERVERINFO parameter is specified and if the activation request indicates a persistent state from which to initialize the object (with CoGetInstanceFromFile, CoGetInstanceFromIStorage, or, for a file moniker, in a call to IMoniker::BindToObject) and the class has an [ActivateAtStorage](#) subkey or no class registry information whatsoever, the request to

activate and initialize is forwarded to the computer where the persistent state resides. (Refer to the remote activation functions listed in the See Also section for details.)

2. If the flags include [InprocServer](#), the class code in the DLL found under the class's [InprocServer32](#) key is used if this key exists. The class code will run within the same process as the caller.
3. If the flags include [InprocHandler](#), the class code in the DLL found under the class's [InprocHandler32](#) key is used if this key exists. The class code will run within the same process as the caller.
4. If the flags include [LocalServer](#), the class code in the service found under the class's [LocalService](#) key is used if this key exists. If no service is specified but an EXE is specified under that same key, the class code associated with that EXE is used. The class code (in either case) will be run in a separate service process on the same computer as the caller.
5. If the flag is set to [RemoteServer](#) and an additional COSERVERINFO parameter to the function specifies a particular remote computer, a request to activate is forwarded to this remote computer with flags modified to set to [LocalServer](#). The class code will run in its own process on this specific computer, which must be different from that of the caller.
6. Finally, if the flags include [RemoteServer](#) and no COSERVERINFO parameter is specified and if a computer name is given under the class's [RemoteServerName](#) named-value, the request to activate is forwarded to this remote computer with the flags modified to be set to [LocalServer](#). The class code will run in its own process on this specific computer, which must be different from that of the caller.

### [Activate32BitServer](#) and [Activate64BitServer](#)

The 64-bit versions of Windows introduce two new flags: [Activate32BitServer](#) and [Activate64BitServer](#).

On a 64-bit computer, a 32-bit and 64-bit version of the same [COM](#) server may coexist. When a client requests an activation of an out-of-process server, these [COM.CreateInstanceContext](#) flags allow the client to specify a 32-bit or a 64-bit version of the server.

Usually, a client will not care whether it uses a 32-bit or a 64-bit version of the server. However, if the server itself loads an additional in-process server, then it and the in-process server must both be either 32-bit or 64-bit. For example, suppose that the client wants to use a server "A", which in turn loads an in-process server "B". If only a 32-bit version of server "B" is available, then the client must specify the 32-bit version of server "A". If only a 64-bit version of server "B" is available, then the client must specify the 64-bit version of server "A".

A server can specify its own architecture preference via the [PreferredServerBitness](#) registry key, but the client's preference, specified via a [Activate32BitServer](#) or [Activate64BitServer](#) flag, will override the server's preference. If the client does not specify a preference, then the server's preference will be used.

If neither the client nor the server specifies a preference, then:

- If the computer that hosts the server is running Windows Server 2003 with Service Pack 1 (SP1) or a later system, then [COM](#) will try to match the server architecture to the client architecture. In other

words, for a 32-bit client, [COM](#) will activate a 32-bit server if available; otherwise it will activate a 64-bit version of the server. For a 64-bit client, [COM](#) will activate a 64-bit server if available; otherwise it will activate a 32-bit server.

- If the computer that hosts the server is running Windows XP or Windows Server 2003 without SP1 or later installed, then [COM](#) will prefer a 64-bit version of the server if available; otherwise it will activate a 32-bit version of the server.

If a [COM.CreateInstanceContext](#) enumeration has both the [Activate32BitServer](#) and [Activate64BitServer](#) flags set, then it is invalid and the activation will return [E\\_INVALIDARG](#).

The flags [Activate32BitServer](#) and [Activate64BitServer](#) flow across computer boundaries. If the computer that hosts the server is running the 64-bit Windows, then it will honor these flags; otherwise it will ignore them.

# Namespace FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces

## Interfaces

### [IFileDialog](#)

Exposes methods that initialize, show, and get results from the common file dialog.

### [IFileDialogCustomize](#)

Exposes methods that allow an application to add controls to a common item dialog.

### [IFileOpenDialog](#)

Extends the [IFileDialog](#) interface by adding methods specific to the open dialog.

### [IFileSaveDialog](#)

Extends the [IFileDialog](#) interface by adding methods specific to the save dialog, which include those that provide support for the collection of metadata to be persisted with the file.

### [IModalWindow](#)

Exposes a method that represents a modal window.

### [IShellItem](#)

Exposes methods that retrieve information about a Shell item. [IShellItem](#) and [IShellItem2](#) are the preferred representations of items in any new code.

### [IUnknown](#)

Enables clients to get pointers to other interfaces on a given object through the [QueryInterface\(ref Guid, out nint\)](#) method, and manage the existence of the object through the [AddRef\(\)](#) and [Release\(\)](#) methods. All other COM interfaces are inherited, directly or indirectly, from [IUnknown](#). Therefore, the three methods in [IUnknown](#) are the first entries in the vtable for every interface.

## Enums

### [SICHINTE](#)

Used to determine how to compare two Shell items. [Compare\(nint, SICHINTE, out int\)](#) uses this enumerated type.

### [SIGDN](#)

Requests the form of an item's display name to retrieve through [GetDisplayName\(SIGDN, out nint\)](#).

# Interface IFileDialog

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces](#)

Assembly: WinInteropUtils.dll

Exposes methods that initialize, show, and get results from the common file dialog.

```
[InterfaceType(ComInterfaceType.InterfaceIsIUnknown)]
[Guid("42f85136-db7e-439c-85f1-e4075d135fc8")]
public interface IFileDialog : IModalWindow, IUnknown
```

## Inherited Members

[IModalWindow.Show\(nint\)](#), [IUnknown.QueryInterface\(ref Guid, out nint\)](#), [IUnknown.AddRef\(\)](#),  
[IUnknown.Release\(\)](#)

## Methods

### Advise(nint, out uint)

Assigns an event handler that listens for events coming from the dialog.

```
HRESULT Advise(nint pfde, out uint pdwCookie)
```

#### Parameters

pfde [nint](#)

A pointer to an [IFileDialogEvents](#) implementation that will receive events from the dialog.

pdwCookie [uint](#)

A pointer to a [DWORD](#) that receives a value identifying this event handler. When the client is finished with the dialog, that client must call the [Unadvise\(uint\)](#) method with this value.

#### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Close(HRESULT)

Closes the dialog.

HRESULT **Close**(HRESULT hr)

### Parameters

hr [HRESULT](#)

The code that will be returned by Show(nint) to indicate that the dialog was closed before a selection was made.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

### Remarks

An application can call this method from a callback method or function while the dialog is open. The dialog will close and the Show(nint) method will return with the [HRESULT](#) specified in hr.

If this method is called, there is no result available for the [GetResult\(out nint\)](#) or [GetResults\(out nint\)](#) methods, and they will fail if called.

## GetCurrentSelection(out nint)

Gets the user's current selection in the dialog.

HRESULT **GetCurrentSelection**([out nint](#) ppsi)

### Parameters

ppsi [nint](#)

The address of a pointer to the interface that represents the item currently selected in the dialog. This item can be a file or folder selected in the view window, or something that the user has entered into

the dialog's edit box. The latter case may require a parsing operation (cancelable by the user) that blocks the current thread.

Returns

#### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## GetFileName(*out nint*)

Retrieves the text currently entered in the dialog's **File name** edit box.

`HRESULT GetFileName(out nint pszName)`

Parameters

#### `pszName` [nint](#)

The address of a pointer to a string that, when this method returns successfully, receives the text.

Returns

#### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

Remarks

The text in the **File name** edit box does not necessarily reflect the item the user chose. To get the item the user chose, use [GetResult\(out nint\)](#).

The calling application is responsible for releasing the retrieved buffer by using the CoTaskMemFree function.

## GetFileTypeIndex(*out uint*)

Gets the currently selected file type.

```
HRESULT GetFileTypeIndex(out uint piFileType)
```

## Parameters

### piFileType [uint](#)

A pointer to a **UINT** value that receives the index of the selected file type in the file type array passed to [SetFileTypes\(uint, nint\)](#) in its **cFileTypes** parameter.

## Returns

### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

[GetFileTypeIndex\(out uint\)](#) can be called either while the dialog is open or after it has closed.

*Note: The index returned by this function is a one-based index rather than zero-based.*

## GetFolder(**out** **nint**)

Gets either the folder currently selected in the dialog, or, if the dialog is not currently displayed, the folder that is to be selected when the dialog is opened.

```
HRESULT GetFolder(out nint ppsi)
```

## Parameters

### ppsi [nint](#)

The address of a pointer to the [IShellItem](#) interface that represents the folder.

## Returns

### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The calling application is responsible for releasing the retrieved [IShellItem](#) when it is no longer needed.

## GetOptions(out uint)

Gets the current flags that are set to control dialog behavior.

```
HRESULT GetOptions(out uint pfos)
```

### Parameters

**pfos** [uint](#)

When this method returns successfully, points to a value made up of one or more of the FILEOPENDIALOGOPTIONS values.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## GetResult(out nint)

Gets the choice that the user made in the dialog.

```
HRESULT GetResult(out nint ppsi)
```

### Parameters

**ppsi** [nint](#)

The address of a pointer to an [IShellItem](#) that represents the user's choice.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

[GetResult\(out nint\)](#) can be called after the dialog has closed or during the handling of an [OnFileOk](#) event. Calling this method at any other time will fail. If multiple items were chosen, this method will fail. In the case of multiple items, call [GetResults\(out nint\)](#).

Show(nint) must return a success code for a result to be available to [GetResult\(out nint\)](#).

## SetDefaultFolder(nint)

Sets the folder used as a default if there is not a recently used folder value available.

`HRESULT SetDefaultFolder(nint psi)`

### Parameters

`psi nint`

A pointer to the [IShellItem](#) interface that represents the folder.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## SetFileName(string)

Sets the file name that appears in the **File name** edit box when that dialog box is opened.

`HRESULT SetFileName(string pszName)`

### Parameters

`pszName string`

A pointer to the name of the file.

### Returns

## [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## **SetFileTypeIndex(uint)**

Sets the file type that appears as selected in the dialog.

`HRESULT SetFileTypeIndex(uint iFileType)`

Parameters

**iFileType** [uint](#)

The index of the file type in the file type array passed to [SetFileTypes\(uint, nint\)](#) in its `cFileTypes` parameter. Note that this is a one-based index, not zero-based.

Returns

## [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## **SetFileTypes(uint, nint)**

Sets the file types that the dialog can open or save.

`HRESULT SetFileTypes(uint cFileTypes, nint rgFilterSpec)`

Parameters

**cFileTypes** [uint](#)

The number of elements in the array specified by `rgFilterSpec`.

**rgFilterSpec** [nint](#)

A pointer to an array of COMDLG\_FILTERSPEC structures, each representing a file type.

## Returns

### [HRESULT](#)

If the method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code, including the following:

<a href="#">E_UNEXPECTED</a>	<a href="#">SetFileTypes(uint, nint)</a> has already been called.
<a href="#">E_UNEXPECTED</a>	The FOS_PICKFOLDERS flag was set in the <a href="#">SetOptions(uint)</a> method.
<a href="#">E_INVALIDARG</a>	The <code>rgFilterSpec</code> parameter is <a href="#">null</a> .

## Examples

The following code example demonstrates the use of the array of COMDLG\_FILTERSPEC structures in the context of this method. The example array consists of three COMDLG\_FILTERSPEC structures. The first declares two patterns for the dialog filter, the second declares a single pattern, and the last shows files of all types. The variables szJPG, szBMP, and szAll are assumed to be previously declared strings that provide a friendly name for each filter. **Warning: This is C++ code, as the COMDLG\_FILTERSPEC struct hasn't yet been ported to WinInteropUtils.** `COMDLG_FILTERSPEC rgSpec[] = { { szJPG, L".jpg;jpeg" }, { szBMP, L".bmp" }, { szAll, L".*" } };`

## Remarks

When using the Open dialog, the file types declared there are used to filter the view. When using the Save dialog, these values determine which file name extension is appended to the file name.

This method must be called before the dialog is shown and can only be called once for each dialog instance. File types cannot be modified once the Common Item dialog box is displayed.

## [SetFilter\(nint\)](#)

Sets the filter. Deprecated since Windows 7.

`HRESULT SetFilter(nint pFilter)`

## Parameters

`pFilter` [nint](#)

A pointer to the [IShellItemFilter](#) that is to be set.

Returns

#### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

Remarks

This method can be used if the application needs to perform special filtering to remove some items from the dialog box's view. IncludeItem will be called for each item that would normally be included in the view. GetEnumFlagsForItem is not used. To filter by file type, [SetFileTypes\(uint, nint\)](#) should be used, because in folders with a large number of items it may offer better performance than applying an IShellItemFilter.

This method is obsolete since Windows 7. Do not use it in new projects.

## SetFolder(nint)

Sets a folder that is always selected when the dialog is opened, regardless of previous user action.

`HRESULT SetFolder(nint psi)`

Parameters

#### [psi](#) [nint](#)

A pointer to the [IShellItem](#) interface that represents the folder.

Returns

#### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

Remarks

This folder overrides any "most recently used" folder. If this method is called while the dialog is displayed, it causes the dialog to navigate to the specified folder.

In general, we do not recommended the use of this method. If you call [SetFolder\(nint\)](#) before you display the dialog box, the most recent location that the user saved to or opened from is not shown. Unless there is a very specific reason for this behavior, it is not a good or expected user experience and should therefore be avoided. In almost all instances, [SetDefaultFolder\(nint\)](#) is the better method.

As of Windows 7, if the path of the folder specified through `psi` is the default path of a known folder, the known folder's current path is used in the dialog. That path might not be the same as the path specified in `psi`; for instance, if the known folder has been redirected. If the known folder is a library (virtual folders Documents, Music, Pictures, and Videos), the library's path is used in the dialog. If the specified library is hidden (as they are by default as of Windows 8.1), the library's default save location is used in the dialog, such as the Microsoft OneDrive Documents folder for the Documents library. Because of these mappings, the folder location used in the dialog might not be exactly as you specified when you called this method.

## SetOptions(uint)

Sets flags to control the behavior of the dialog.

`HRESULT SetOptions(uint fos)`

### Parameters

`fos uint`

One or more of the FILEOPENDIALOGOPTIONS values.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

### Remarks

Generally, this method should take the value that was retrieved by [GetOptions\(out uint\)](#) and modify it to include or exclude options by setting the appropriate flags.

## SetTitle(string)

Sets the title of the dialog.

```
HRESULT SetTitle(string pszTitle)
```

## Parameters

### [pszTitle](#) [string](#)

A pointer to a string that contains the title text.

## Returns

### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Unadvise(uint)

Removes an event handler that was attached through the [Advise\(nint, out uint\)](#) method.

```
HRESULT Unadvise(uint dwCookie)
```

## Parameters

### [dwCookie](#) [uint](#)

The DWORD value that represents the event handler. This value is obtained through the [pdwCookie](#) parameter of the [Advise\(nint, out uint\)](#) method.

## Returns

### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

# Interface IFileDialogCustomize

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces](#)

Assembly: WinInteropUtils.dll

Exposes methods that allow an application to add controls to a common item dialog.

```
[InterfaceType(ComInterfaceType.InterfaceIsIUnknown)]
[Guid("973510db-7d7f-452b-8975-74a85828d354")]
public interface IFileDialogCustomize : IUnknown
```

## Inherited Members

[IUnknown.QueryInterface\(ref Guid, out nint\)](#) , [IUnknown.AddRef\(\)](#) , [IUnknown.Release\(\)](#).

## Remarks

Controls are added to the dialog before the dialog is shown. Their layout is implied by the order in which they are added. Once the dialog is shown, controls cannot be added or removed, but the existing controls can be hidden or disabled at any time. Their labels can also be changed at any time.

Container controls are controls that can have items added to them. Container controls include combo boxes, menus, the drop-down list attached to the Open button, and any option button groups. The order that items appear in a container is the order in which they were added. There is no facility for reordering them. IDs are scoped to the parent control. Container controls, with the exception of menus, have a selected item.

Items with a container control cannot be changed after they have been created, except for their enabled and visible states. However, they can be added and removed at any time. For example, if you needed to change the text of a menu, you would have to remove the current menu and add another with the correct text.

## Methods

### AddCheckButton(uint, string, bool)

Adds a check button (check box) to the dialog.

```
HRESULT AddCheckButton(uint dwIDCtl, string pszLabel, bool bChecked)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the check button to add.

**pszLabel** [string](#)

A [null](#)-terminated Unicode string that contains the button text.

**bChecked** [bool](#)

A [bool](#) indicating the current state of the check button. [true](#) if checked; [false](#) otherwise.

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The default state for this control is enabled and visible.

## AddComboBox(uint)

Adds a combo box to the dialog.

`HRESULT AddComboBox(uint dwIDCtl)`

## Parameters

**dwIDCtl** [uint](#)

The ID of the combo box to add.

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The default state for this control is enabled and visible.

## AddControlItem(uint, uint, string)

Adds an item to a container control in the dialog.

```
HRESULT AddControlItem(uint dwIDCtl, uint dwIDItem, string pszLabel)
```

### Parameters

**dwIDCtl** [uint](#)

The ID of the container control to which the item is to be added.

**dwIDItem** [uint](#)

The ID of the item.

**pszLabel** [string](#)

A [null](#)-terminated Unicode string that contains the item's text, which can be either a label or, in the case of a drop-down list, the item itself.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The default state for this item is enabled and visible. Items in control groups cannot be changed after they have been created, with the exception of their enabled and visible states.

Container controls include option button groups, combo boxes, drop-down lists on the Open or Save button, and menus.

## AddEditBox(uint, string)

Adds an edit box control to the dialog.

```
HRESULT AddEditBox(uint dwIDCtl, string pszText)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the edit box to add.

**pszText** [string](#)

A [null](#)-terminated Unicode string that provides the default text displayed in the edit box.

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The default state for this control is enabled and visible.

To add a label next to the edit box, place it in a visual group with [StartVisualGroup\(uint, string\)](#).

## AddMenu(uint, string)

Adds a menu to the dialog.

```
HRESULT AddMenu(uint dwIDCtl, string pszLabel)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the menu to add.

**pszLabel** [string](#)

A [null](#)-terminated Unicode string that contains the menu name.

## Returns

## [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The default state for this control is enabled and visible.

To add items to this control, use [AddControlItem\(uint, uint, string\)](#).

## AddPushButton(uint, string)

Adds a button to the dialog.

```
HRESULT AddPushButton(uint dwIDCtl, string pszLabel)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the button to add.

**pszLabel** [string](#)

A [null](#)-terminated Unicode string that contains the button text.

## Returns

## [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The default state for this control is enabled and visible.

## AddRadioButtonList(uint)

Adds an option button (also known as radio button) group to the dialog.

```
HRESULT AddRadioButtonList(uint dwIDCtl)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the option button group to add.

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The default state for this control is enabled and visible.

## AddSeparator(uint)

Adds a separator to the dialog, allowing a visual separation of controls.

```
HRESULT AddSeparator(uint dwIDCtl)
```

## Parameters

**dwIDCtl** [uint](#)

The control ID of the separator.

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The default state for this control is enabled and visible.

## AddText(uint, string)

Adds text content to the dialog.

```
HRESULT AddText(uint dwIDCtl, string pszText)
```

### Parameters

**dwIDCtl** [uint](#)

The ID of the text to add.

**pszText** [string](#)

A [null](#)-terminated Unicode string that contains the text.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

### Remarks

The default state for this control is enabled and visible.

## EnableOpenDropDown(uint)

Enables a drop-down list on the Open or Save button in the dialog.

```
HRESULT EnableOpenDropDown(uint dwIDCtl)
```

### Parameters

**dwIDCtl** [uint](#)

The ID of the drop-down list.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The Open or Save button label takes on the text of the first item in the drop-down.

Use [AddControlItem\(uint, uint, string\)](#) to add items to the drop-down.

## EndVisualGroup()

Stops the addition of elements to a visual group in the dialog.

```
HRESULT EndVisualGroup()
```

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## GetCheckButtonState(uint, out bool)

Gets the current state of a check button (check box) in the dialog.

```
HRESULT GetCheckButtonState(uint dwIDCtl, out bool pbChecked)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the check box.

**pbChecked** [bool](#)

The address of a [bool](#) value that indicates whether the box is checked. [true](#) means checked; [false](#), unchecked.

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## GetControlItemState(uint, uint, out uint)

Gets the current state of an item in a container control found in the dialog.

```
HRESULT GetControlItemState(uint dwIDCtl, uint dwIDItem, out uint pdwState)
```

### Parameters

**dwIDCtl** [uint](#)

The ID of the container control.

**dwIDItem** [uint](#)

The ID of the item.

**pdwState** [uint](#)

A pointer to a variable that receives one of more values from the CDCONTROLSTATE enumeration that indicate the current state of the control.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

### Remarks

The default state of a control item is enabled and visible. Items in control groups cannot be changed after they have been created, with the exception of their enabled and visible states.

Container controls include option button groups, combo boxes, drop-down lists on the Open or Save button, and menus.

## GetControlState(uint, out uint)

Gets the current visibility and enabled states of a given control.

```
HRESULT GetControlState(uint dwIDCtl, out uint pdwState)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the control in question.

**pdwState** [uint](#)

A pointer to a variable that receives one or more values from the CDCONTROLSTATE enumeration that indicate the current state of the control.

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## GetEditBoxText(uint, out nint)

Gets the current text in an edit box control.

```
HRESULT GetEditBoxText(uint dwIDCtl, out nint ppszText)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the edit box.

**ppszText** [nint](#)

The address of a pointer to a [null](#)-terminated Unicode string that receives the text.

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

It is the responsibility of the calling application to free the buffer referenced by `ppszText` when it is no longer needed. Use `CoTaskMemFree` to free the buffer.

## GetSelectedControlItem(uint, out uint)

Gets a particular item from specified container controls in the dialog.

```
HRESULT GetSelectedControlItem(uint dwIDCtl, out uint pdwIDItem)
```

### Parameters

`dwIDCtl` [uint](#)

The ID of the container control.

`pdwIDItem` [uint](#)

The ID of the item that the user selected in the control.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

To determine the user's final choice, this method can be called on option button groups, combo boxes, and drop-down lists on the Open or Save button after the dialog has closed. This method cannot be called on menus.

For option button groups and combo boxes, this method can also be called while the dialog is showing, to determine the current choice.

## MakeProminent(uint)

Places a control in the dialog so that it stands out compared to other added controls.

```
HRESULT MakeProminent(uint dwIDCtl)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the control.

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

This method causes the control to be placed near the Open or Save button instead of being grouped with the rest of the custom controls.

Only check buttons (check boxes), push buttons, combo boxes, and menus—or a visual group that contains only a single item of one of those types—can be made prominent.

Only one control can be marked in this way. If a dialog has only one added control, that control is marked as prominent by default.

## RemoveControlItem(uint, uint)

Removes an item from a container control in the dialog.

```
HRESULT RemoveControlItem(uint dwIDCtl, uint dwIDItem)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the container control from which the item is to be removed.

**dwIDItem** [uint](#)

The ID of the item.

Returns

## [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

Remarks

Container controls include option button groups, combo boxes, drop-down lists on the Open or Save button, and menus.

## SetCheckButtonState(uint, bool)

Sets the state of a check button (check box) in the dialog.

```
HRESULT SetCheckButtonState(uint dwIDCtl, bool bChecked)
```

Parameters

### [dwIDCtl](#) [uint](#)

The ID of the check box.

### [bChecked](#) [bool](#)

A [bool](#) value that indicates whether the box is checked. [true](#) means checked; [false](#), unchecked.

Returns

## [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## SetControlItemState(uint, uint, uint)

Sets the current state of an item in a container control found in the dialog.

```
HRESULT SetControlItemState(uint dwIDCtl, uint dwIDItem, uint dwState)
```

Parameters

### **dwIDCtl** [uint](#)

The ID of the container control.

### **dwIDIItem** [uint](#)

The ID of the item.

### **dwState** [uint](#)

One or more values from the CDCONTROLSTATE enumeration that indicate the new state of the control.

Returns

### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

Remarks

The default state of a control item is enabled and visible. Items in control groups cannot be changed after they have been created, with the exception of their enabled and visible states.

Container controls include option button groups, combo boxes, drop-down lists on the Open or Save button, and menus.

## **SetControlItemText(uint, uint, string)**

Sets the text of a control item. For example, the text that accompanies a radio button or an item in a menu.

```
HRESULT SetControlItemText(uint dwIDCtl, uint dwIDIItem, string pszLabel)
```

Parameters

### **dwIDCtl** [uint](#)

The ID of the container control.

### **dwIDIItem** [uint](#)

The ID of the item.

`pszLabel` [string](#)

A [null](#)-terminated Unicode string that contains the text.

Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

Remarks

The default state of a control item is enabled and visible. Items in control groups cannot be changed after they have been created, with the exception of their enabled and visible states.

Container controls include option button groups, combo boxes, drop-down lists on the Open or Save button, and menus.

## SetControlLabel(uint, string)

Sets the text associated with a control, such as button text or an edit box label.

```
HRESULT SetControlLabel(uint dwIDCtl, string pszLabel)
```

Parameters

`dwIDCtl` [uint](#)

The ID of the control whose text is to be changed.

`pszLabel` [string](#)

A null-terminated Unicode string that contains the text.

Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

Remarks

Control labels can be changed at any time, including when the dialog is visible.

## SetControlState(uint, uint)

Sets the current visibility and enabled states of a given control.

```
HRESULT SetControlState(uint dwIDCtl, uint dwState)
```

### Parameters

**dwIDCtl** [uint](#)

The ID of the control in question.

**dwState** [uint](#)

One or more values from the CDCONTROLSTATE enumeration that indicate the current state of the control.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

### Remarks

When the dialog is shown, controls cannot be added or removed, but the existing controls can be hidden or disabled at any time.

## SetEditText(uint, string)

Sets the text in an edit box control found in the dialog.

```
HRESULT SetEditText(uint dwIDCtl, string pszText)
```

### Parameters

**dwIDCtl** [uint](#)

The ID of the edit box.

#### **pszText** [string](#)

A [null](#)-terminated Unicode string that contains the text.

Returns

#### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## SetSelectedControlItem(uint, uint)

Sets the selected state of a particular item in an option button group or a combo box found in the dialog.

```
HRESULT SetSelectedControlItem(uint dwIDCtl, uint dwIDItem)
```

Parameters

#### **dwIDCtl** [uint](#)

The ID of the container control.

#### **dwIDItem** [uint](#)

The ID of the item to display as selected in the control.

Returns

#### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## StartVisualGroup(uint, string)

Declares a visual group in the dialog. Subsequent calls to any "add" method add those elements to this group.

```
HRESULT StartVisualGroup(uint dwIDCtl, string pszLabel)
```

## Parameters

**dwIDCtl** [uint](#)

The ID of the visual group.

**pszLabel** [string](#)

A [null](#)-terminated Unicode string that contains text that appears next to the visual group.

## Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

Controls will continue to be added to this visual group until you call [EndVisualGroup\(\)](#).

A visual group can be hidden and disabled like any other control, except that doing so affects all of the controls within it. Individual members of the visual group can also be hidden and disabled singly.

# Interface IFileDialog

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces](#)

Assembly: WinInteropUtils.dll

Extends the [IFileDialog](#) interface by adding methods specific to the open dialog.

```
[InterfaceType(ComInterfaceType.InterfaceIsIUnknown)]
[Guid("d57c7288-d4ad-4768-be02-9d969532d960")]
public interface IFileDialog : IFileDialog, IModalWindow, IUnknown
```

## Inherited Members

[IFileDialog.SetFileTypes\(uint, nint\)](#), [IFileDialog.SetFileTypeIndex\(uint\)](#),  
[IFileDialog.GetFileTypeIndex\(out uint\)](#), [IFileDialog.Advise\(nint, out uint\)](#), [IFileDialog.Unadvise\(uint\)](#),  
[IFileDialog.SetOptions\(uint\)](#), [IFileDialog.GetOptions\(out uint\)](#), [IFileDialog.SetDefaultFolder\(nint\)](#),  
[IFileDialog.SetFolder\(nint\)](#), [IFileDialog.GetFolder\(out nint\)](#), [IFileDialog.GetCurrentSelection\(out nint\)](#),  
[IFileDialog.SetFileName\(string\)](#), [IFileDialog.GetFileName\(out nint\)](#), [IFileDialogSetTitle\(string\)](#),  
[IFileDialog.Close\(HRESULT\)](#), [IFileDialog.GetResult\(out nint\)](#), [IFileDialog.SetFilter\(nint\)](#),  
[IModalWindow.Show\(nint\)](#), [IUnknown.QueryInterface\(ref Guid, out nint\)](#), [IUnknown.AddRef\(\)](#),  
[IUnknown.Release\(\)](#)

## Methods

### GetResults(out nint)

Gets the user's choices in a dialog that allows multiple selection.

```
HRESULT GetResults(out nint ppenum)
```

#### Parameters

ppenum [nint](#)

The address of a pointer to an IShellItemArray through which the items selected in the dialog can be accessed.

#### Returns

## [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

This method can be used whether the selection consists of a single item or multiple items.

[GetResults\(out nint\)](#) can be called after the dialog has closed or during the handling of an [IFileDialogEvents.OnFileOk](#) event. Calling this method at any other time will fail.

Show(nint) must return a success code for a result to be available to [GetResults\(out nint\)](#).

## GetSelectedItems(out nint)

Gets the currently selected items in the dialog. These items may be items selected in the view, or text selected in the file name edit box.

`HRESULT GetSelectedItems(out nint ppsai)`

## Parameters

`ppsa` [nint](#)

The address of a pointer to an [IShellItemArray](#) through which the selected items can be accessed.

## Returns

## [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

This method can be used for single item or multiple item selections. If the user has entered new text in the file name field, this can be a time-consuming operation. When the application calls this method, the application parses the text in the filename field. For example, if this is a network share, the operation could take some time. However, this operation will not block the UI, since the user should be able to stop the operation, which will result in [GetSelectedItems\(out nint\)](#) returning a failure code).

# Interface IFileDialog

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces](#)

Assembly: WinInteropUtils.dll

Extends the [IFileDialog](#) interface by adding methods specific to the save dialog, which include those that provide support for the collection of metadata to be persisted with the file.

```
[InterfaceType(ComInterfaceType.InterfaceIsIUnknown)]
[Guid("84bccd23-5fde-4cdb-aea4-af64b83d78ab")]
public interface IFileDialog : IFileDialog, IModalWindow, IUnknown
```

## Inherited Members

[IFileDialog.SetFileTypes\(uint, nint\)](#), [IFileDialog.SetFileTypeIndex\(uint\)](#),  
[IFileDialog.GetFileTypeIndex\(out uint\)](#), [IFileDialog.Advise\(nint, out uint\)](#), [IFileDialog.Unadvise\(uint\)](#),  
[IFileDialog.SetOptions\(uint\)](#), [IFileDialog.GetOptions\(out uint\)](#), [IFileDialog.SetDefaultFolder\(nint\)](#),  
[IFileDialog.SetFolder\(nint\)](#), [IFileDialog.GetFolder\(out nint\)](#), [IFileDialog.GetCurrentSelection\(out nint\)](#),  
[IFileDialog.SetFileName\(string\)](#), [IFileDialog.GetFileName\(out nint\)](#), [IFileDialogSetTitle\(string\)](#),  
[IFileDialog.Close\(HRESULT\)](#), [IFileDialog.GetResult\(out nint\)](#), [IFileDialog.SetFilter\(nint\)](#),  
[IModalWindow.Show\(nint\)](#), [IUnknown.QueryInterface\(ref Guid, out nint\)](#), [IUnknown.AddRef\(\)](#),  
[IUnknown.Release\(\)](#)

## Methods

### ApplyProperties(nint, nint, nint, nint)

Applies a set of properties to an item using the Shell's copy engine.

```
HRESULT ApplyProperties(nint psi, nint pStore, nint hwnd, nint pSink)
```

#### Parameters

**psi** [nint](#)

Pointer to the [IShellItem](#) that represents the file being saved. This is usually the item retrieved by [GetResult\(out nint\)](#).

**pStore** [nint](#)

Pointer to the IPropertyStore that represents the property values to be applied to the file. This can be the property store returned by [GetProperties\(out nint\)](#).

#### hwnd [nint](#)

The handle of the application window.

#### pSink [nint](#)

Pointer to an optional IFileOperationProgressSink that the calling application can use if they want to be notified of the progress of the property stamping. This value may be [null](#).

#### Returns

#### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

#### Remarks

This method should be used when the application has turned on property collection ([SetCollectedProperties\(nint, bool\)](#)), but does not persist the properties themselves into the saved file.

<i>Note: The `file` represented by the `item` specified in <code class="paramref">psi</code> must exist in physical storage before making the call  
to <xref href="FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces.IFileDialog.ApplyProperties(System.IntPtr%2cSystem.IntPtr%2cSystem.IntPtr%2cSystem.IntPtr)" data-throw-if-not-resolved="false"></xref>, so `it` must have been previously saved at some point.</i>

## GetProperties(out nint)

Retrieves the set of property values for a saved item or an item in the process of being saved.

```
HRESULT GetProperties(out nint ppStore)
```

#### Parameters

#### ppStore [nint](#)

Address of a pointer to an IPropertyStore that receives the property values.

## Returns

### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

This method can be called while the dialog is showing to retrieve the current set of values in the metadata collection pane. It can also be called after the dialog has closed, to retrieve the final set of values.

The call to this method will fail unless property collection has been turned on with a call to [SetCollectedProperties\(nint, bool\)](#).

## SetCollectedProperties(nint, bool)

Specifies which properties will be collected in the save dialog.

`HRESULT SetCollectedProperties(nint pStore, bool fAppendDefault)`

## Parameters

### [pStore](#) [nint](#)

Pointer to the interface that represents the list of properties to collect. This parameter can be [null](#).

### [fAppendDefault](#) [bool](#)

[true](#) to show default properties for the currently selected filetype in addition to the properties specified by [pStore](#). [false](#) to show only properties specified by [pStore](#).

## Returns

### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Remarks

The calling application can use the `PSGetPropertyDescriptionListFromString` function to construct an `IPropertyDescriptionList` from a string such as "prop:Comments;Subject;".

For more information about property schemas, see [Property Schemas](#).

[SetCollectedProperties\(nint, bool\)](#) can be called at any time before the dialog is displayed or while it is visible. If different properties are to be collected depending on the chosen filetype, then [SetCollectedProperties\(nint, bool\)](#) can be called in response to OnTypeChange.

*Note: By default, no properties are collected in the save dialog.*

## SetProperties(nint)

Provides a property store that defines the default values to be used for the item being saved.

`HRESULT SetProperties(nint pStore)`

### Parameters

`pStore` [nint](#)

Pointer to the `IPropertyStore` interface that represents the property store that contains the associated metadata.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

### Remarks

This method can be called at any time before the dialog is opened or while the dialog is showing. If an item has inherent properties, this method should be called with those properties before showing the dialog.

When using Save As, the application should provide the properties of the item being saved to the Save dialog. Those properties should be retrieved from the original item by calling [GetPropertyStore](#) with the `GPS_HANDLERPROPERTIESONLY` flag.

To retrieve the properties of the saved item (which may have been modified by the user) after the dialog closes, call [GetProperties\(out nint\)](#).

To turn on property collection and indicate which properties should be displayed in the Save dialog, use [SetCollectedProperties\(nint, bool\)](#).

## SetSaveAsItem(nint)

Sets an item to be used as the initial entry in a Save As dialog.

```
HRESULT SetSaveAsItem(nint psi)
```

### Parameters

[psi](#) [nint](#)

Pointer to an [IShellItem](#) that represents the item.

### Returns

[HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

### Remarks

The name of the item is displayed in the file name edit box, and the containing folder is opened in the view. This would generally be used when the application is saving an item that already exists. For new items, use SetFileName(string).

# Interface IModalWindow

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces](#)

Assembly: WinInteropUtils.dll

Exposes a method that represents a modal window.

```
[InterfaceType(ComInterfaceType.InterfaceIsIUnknown)]
[Guid("b4db1657-70d7-485e-8e3e-6fcb5a5c1802")]
public interface IModalWindow : IUnknown
```

## Inherited Members

[IUnknown.QueryInterface\(ref Guid, out nint\)](#), [IUnknown.AddRef\(\)](#), [IUnknown.Release\(\)](#).

## Methods

### Show(nint)

Launches the modal window.

```
HRESULT Show(nint hwndOwner)
```

#### Parameters

hwndOwner [nint](#)

The handle of the owner window. This value can be [null](#).

#### Returns

[HRESULT](#)

If the method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code, including Macros.HResultFromWin32([ERROR\\_CANCELLED](#)), indicating the user closed the window by cancelling the operation.

# Interface IShellItem

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces](#)

Assembly: WinInteropUtils.dll

Exposes methods that retrieve information about a Shell item. [IShellItem](#) and [IShellItem2](#) are the preferred representations of items in any new code.

```
[InterfaceType(ComInterfaceType.InterfaceIsIUnknown)]
[Guid("43826d1e-e718-42ee-bc55-a1e261c37bfe")]
public interface IShellItem : IUnknown
```

## Inherited Members

[IUnknown.QueryInterface\(ref Guid, out nint\)](#), [IUnknown.AddRef\(\)](#), [IUnknown.Release\(\)](#)

## Remarks

Third parties do not implement this interface; only use the implementation provided with the system.

## Methods

### BindToHandler(nint, ref Guid, ref Guid, out nint)

Binds to a handler for an item as specified by the handler ID value (BHID).

```
HRESULT BindToHandler(nint pbc, ref Guid bhid, ref Guid riid, out nint ppv)
```

#### Parameters

**pbc** [nint](#)

A pointer to an IBindCtx interface on a bind context object. Used to pass optional parameters to the handler. The contents of the bind context are handler-specific. For example, when binding to BHID\_Stream, the STGM flags in the bind context indicate the mode of access desired (read or read/write).

**bhid** [Guid](#)

Reference to a GUID that specifies which handler will be created. The GUIDs are defined in [shlguid.h](#).

## **riid** [Guid](#)

IID of the object type to retrieve.

## **ppv** [nint](#)

When this method returns, contains a pointer of type **riid** that is returned by the handler specified by **bhid**.

## Returns

### [HRESULT](#)

If this method succeeds, it returns [S\\_OK](#). Otherwise, it returns an [HRESULT](#) error code.

## Compare([nint](#), [SICHINTF](#), [out int](#))

Compares two [IShellItem](#) objects.

```
HRESULT Compare(nint psi, SICHINTF hint, out int piOrder)
```

## Parameters

### **psi** [nint](#)

A pointer to an [IShellItem](#) object to compare with the existing [IShellItem](#) object.

### **hint** [SICHINTF](#)

One of the [SICHINTF](#) values that determines how to perform the comparison. See [SICHINTF](#) for the list of possible values for this parameter.

### **piOrder** [int](#)

This parameter receives the result of the comparison. If the two items are the same this parameter equals zero; if they are different the parameter is nonzero.

## Returns

### [HRESULT](#)

[S\\_OK](#) if the items are the same, [S\\_FALSE](#) if they are different, or an error value otherwise.

## GetAttributes(uint, out uint)

Gets a requested set of attributes of the [IShellItem](#) object.

```
HRESULT GetAttributes(uint sfgaoMask, out uint psfgaoAttrs)
```

### Parameters

**sfgaoMask** [uint](#)

Specifies the attributes to retrieve. One or more of the SFGAO values. Use a bitwise OR operator to determine the attributes to retrieve.

**psfgaoAttrs** [uint](#)

A pointer to a value that, when this method returns successfully, contains the requested attributes. One or more of the SFGAO values. Only those attributes specified by **sfgaoMask** are returned; other attribute values are undefined.

### Returns

[HRESULT](#)

[S\\_OK](#) if the attributes returned exactly match those requested in **sfgaoMask**, [S\\_FALSE](#) if the attributes do not exactly match, or a standard [COM](#) error value otherwise.

## GetDisplayName(SIGDN, out nint)

Gets the display name of the [IShellItem](#) object.

```
HRESULT GetDisplayName(SIGDN sigdnName, out nint ppszName)
```

### Parameters

**sigdnName** [SIGDN](#)

One of the [SIGDN](#) values that indicates how the name should look.

**ppszName** [nint](#)

A value that, when this function returns successfully, receives the address of a pointer to the retrieved display name.

Returns

[HRESULT](#)

[S\\_OK](#) if successful; otherwise, an [HRESULT](#) error code.

## GetParent([out](#) [nint](#))

Gets the parent of an [IShellItem](#) object.

`HRESULT GetParent(out nint ppsi)`

Parameters

`ppsi` [nint](#)

The address of a pointer to the parent of an [IShellItem](#) interface.

Returns

[HRESULT](#)

Returns [S\\_OK](#) if successful, or an error value otherwise.

# Interface IUnknown

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces](#)

Assembly: WinInteropUtils.dll

Enables clients to get pointers to other interfaces on a given object through the [QueryInterface\(ref Guid, out nint\)](#) method, and manage the existence of the object through the [AddRef\(\)](#) and [Release\(\)](#) methods. All other COM interfaces are inherited, directly or indirectly, from [IUnknown](#). Therefore, the three methods in [IUnknown](#) are the first entries in the vtable for every interface.

```
[InterfaceType(ComInterfaceType.InterfaceIsIUnknown)]
[Guid("00000000-0000-0000-C000-000000000046")]
public interface IUnknown
```

## Methods

### AddRef()

Increments the reference count for an interface pointer to a [COM](#) object. You should call this method whenever you make a copy of an interface pointer.

```
uint AddRef()
```

Returns

[uint](#)

The method returns the new reference count. This value is intended to be used only for test purposes.

Remarks

A [COM](#) object uses a per-interface reference-counting mechanism to ensure that the object doesn't outlive references to it. You use [AddRef\(\)](#) to stabilize a copy of an interface pointer. It can also be called when the life of a cloned pointer must extend beyond the lifetime of the original pointer. The cloned pointer must be released by calling [Release\(\)](#) on it.

The internal reference counter that AddRef maintains should be a 32-bit unsigned integer.

*Notes to callers*

Call this method for every new copy of an interface pointer that you make. For example, if you return a copy of a pointer from a method, then you must call [AddRef\(\)](#) on that pointer. You must also call [AddRef\(\)](#) on a pointer before passing it as an in-out parameter to a method; the method will call [Release\(\)](#) before copying the out-value on top of it.

## QueryInterface(ref Guid, out nint)

Queries a [COM](#) object for a pointer to one of its interface; identifying the interface by a reference to its interface identifier (IID). If the [COM](#) object implements the interface, then it returns a pointer to that interface after calling [AddRef\(\)](#) on it.

```
HRESULT QueryInterface(ref Guid iid, out nint ppvObject)
```

### Parameters

[iid](#) [Guid](#) ↗

A reference to the interface identifier (IID) of the interface being queried for.

[ppvObject](#) [nint](#) ↗

The address of a pointer to an interface with the IID specified in the [iid](#) parameter. Because you pass the address of an interface pointer, the method can overwrite that address with the pointer to the interface being queried for. Upon successful return, [\\*ppvObject](#) (the dereferenced address) contains a pointer to the requested interface. If the object doesn't support the interface, the method sets [\\*ppvObject](#) (the dereferenced address) to [nullptr](#).

### Returns

[HRESULT](#)

This method returns [S\\_OK](#) if the interface is supported, and [E\\_NOINTERFACE](#) otherwise. If [ppvObject](#) (the address) is [nullptr](#), then this method returns [E\\_POINTER](#).

### Remarks

For any given [COM](#) object (also known as a [COM](#) component), a specific query for the [IUnknown](#) interface on any of the object's interfaces must always return the same pointer value. This enables a client to determine whether two pointers point to the same component by calling [QueryInterface\(\[ref\]\(#\) Guid, \[out\]\(#\) nint\)](#) with [IID\\_IUnknown](#) and comparing the results. It is specifically not the case that queries

for interfaces other than [IUnknown](#) (even the same interface through the same pointer) must return the same pointer value.

There are four requirements for implementations of [QueryInterface\(ref Guid, out nint\)](#) (in these cases, "must succeed" means "must succeed barring catastrophic failure.").

- The set of interfaces accessible on an object through [QueryInterface\(ref Guid, out nint\)](#) must be **static**, not *dynamic*. This means that if a call to [QueryInterface\(ref Guid, out nint\)](#) for a pointer to a specified interface succeeds the first time, then it must succeed again. If the call fails the first time, then it must fail on all subsequent calls.
- It must be reflexive — if a client holds a pointer to an interface on an object, and the client queries for that interface, then the call must succeed.
- It must be symmetric—if a client holding a pointer to one interface queries successfully for another, then a query through the obtained pointer for the first interface must succeed.
- It must be transitive — if a client holding a pointer to one interface queries successfully for a second, and through that pointer queries successfully for a third interface, then a query for the first interface through the pointer for the third interface must succeed.

#### *Notes to implementers*

Implementations of [QueryInterface\(ref Guid, out nint\)](#) must never check ACLs. The main reason for this rule is that [COM](#) requires that an object supporting a particular interface always return success when queried for that interface. Another reason is that checking ACLs on [QueryInterface\(ref Guid, out nint\)](#) does not provide any real security because any client who has access to a particular interface can hand it directly to another client without any calls back to the server. Also, because [COM](#) caches interface pointers, it does not call [QueryInterface\(ref Guid, out nint\)](#) on the server every time a client does a query.

## Release()

Decrements the reference count for an interface on a [COM](#) object.

```
uint Release()
```

Returns

[uint](#)

The method returns the new reference count. This value is intended to be used only for test purposes.

Remarks

When the reference count on an object reaches zero, [Release\(\)](#) must cause the interface pointer to free itself. When the released pointer is the only (formerly) outstanding reference to an object (whether the object supports single or multiple interfaces), the implementation must free the object.

Note that aggregation of objects restricts the ability to recover interface pointers.

#### *Notes to callers*

Call this method when you no longer need to use an interface pointer. If you are writing a method that takes an in-out parameter, call [Release\(\)](#) on the pointer you are passing in before copying the out-value on top of it.

# Enum SICHINTF

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces](#)

Assembly: WinInteropUtils.dll

Used to determine how to compare two Shell items. [Compare\(nint, SICHINTF, out int\)](#) uses this enumerated type.

```
[Flags]
public enum SICHINTF : uint
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#)

## Fields

**SICHINT\_ALLFIELDS** = 2147483648

Exact comparison of two instances of a Shell item.

**SICHINT\_CANONICAL** = 268435456

This relates to the iOrder parameter of the [Compare\(nint, SICHINTF, out int\)](#) interface and indicates that the comparison is based on a canonical name.

**SICHINT\_DISPLAY** = 0

This relates to the iOrder parameter of the [Compare\(nint, SICHINTF, out int\)](#) method and indicates that the comparison is based on the display in a folder view.

**SICHINT\_TEST\_FILESYSPATH\_IF\_NOT\_EQUAL** = 536870912

Windows 7 and later. If the Shell items are not the same, test the file system paths.

# Enum SIGDN

Namespace: [FireBlade.WinInteropUtils.ComponentObjectModel.Interfaces](#)

Assembly: WinInteropUtils.dll

Requests the form of an item's display name to retrieve through [GetDisplayName\(SIGDN, out nint\)](#).

```
[Flags]
public enum SIGDN : uint
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#)

## Fields

**SIGDN\_DESKTOPABSOLUTEEDITING = 2147794944**

Returns the editing name relative to the desktop. In UI this name is suitable for display to the user.

**SIGDN\_DESKTOPABSOLUTEPARSING = 2147647488**

Returns the parsing name relative to the desktop. This name is not suitable for use in UI.

**SIGDN\_FILESYSPATH = 2147844096**

Returns the item's file system path, if it has one. Only items that report SFGAO\_FILESYSTEM have a file system path. When an item does not have a file system path, a call to [GetDisplayName\(SIGDN, out nint\)](#) on that item will fail. In UI this name is suitable for display to the user in some cases, but note that it might not be specified for all items.

**SIGDN\_NORMALDISPLAY = 0**

Returns the display name relative to the parent folder. In UI this name is generally ideal for display to the user.

**SIGDN\_PARENTRELATIVE = 2148007937**

Returns the path relative to the parent folder.

**SIGDN\_PARENTRELATIVEEDITING = 2147684353**

Returns the editing name relative to the parent folder. In UI this name is suitable for display to the user.

## **SIGDN\_PARENTRELATIVEFORADDRESSBAR = 2147991553**

Returns the path relative to the parent folder in a friendly format as displayed in an address bar. This name is suitable for display to the user.

## **SIGDN\_PARENTRELATIVEFORUI = 2148089857**

Returns the path relative to the parent folder for UI. Introduced in Windows 8.

## **SIGDN\_PARENTRELATIVEPARSING = 2147581953**

Returns the parsing name relative to the parent folder. This name is not suitable for use in UI.

## **SIGDN\_URL = 2147909632**

Returns the item's URL, if it has one. Some items do not have a URL, and in those cases a call to [Get DisplayName\(SIGDN\\_out nint\)](#) will fail. This name is suitable for display to the user in some cases, but note that it might not be specified for all items.

# Namespace FireBlade.WinInteropUtils.Dialogs

## Classes

### [DialogWindow<TShowReturn, TSelf>](#)

Represents a dialog window that can be shown modally or modelessly. This class is abstract.

### [HelpEventArgs](#)

Provides event arguments for help events.

### [Win32MessageBox](#)

Provides methods for showing a Win32 message box.

## Enums

### [HelpContext](#)

The type of context for which help is requested.

### [Win32MessageBoxButtons](#)

Defines the buttons on a message box.

### [Win32MessageBoxIcon](#)

Specifies the icon in a message box.

### [Win32MessageBoxModality](#)

Specifies the modality of a [Win32MessageBox](#).

### [Win32MessageBoxResult](#)

Represents the result of the message box.

# Class DialogWindow<TShowReturn, TSelf>

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

Represents a dialog window that can be shown modally or modelessly. This class is abstract.

```
public abstract class DialogWindow<TShowReturn, TSelf> where TSelf :  
DialogWindow<TShowReturn, TSelf>
```

## Type Parameters

### TShowReturn

The return type of the [Show\(\)](#) and [Show\(nint\)](#) methods.

### TSelf

The class that is inheriting [DialogWindow<TShowReturn, TSelf>](#).

## Inheritance

[object](#) ↗ ← DialogWindow<TShowReturn, TSelf>

## Derived

[Win32MessageBox](#)

## Inherited Members

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

# Methods

## Show()

When overridden in a derived class, shows the dialog window.

```
public abstract TShowReturn Show()
```

## Returns

TShowReturn

The result of the dialog.

## Show(nint)

When overriden in a dervied class, shows the dialog window modally.

```
public abstract TShowReturn Show(nint hWnd)
```

Parameters

**hWnd** [nint](#)

The handle of the owner window.

Returns

TShowReturn

The result of the dialog.

## Show(TSelf)

Shows the [TSelf](#).

```
public static TShowReturn Show(TSelf dlg)
```

Parameters

**dlg** TSelf

The [TSelf](#) to show.

Returns

TShowReturn

The result of the dialog.

## Show(TSelf, nint)

Shows the **TSelf** modally.

```
public static TShowReturn Show(TSelf dlg, nint hWnd)
```

### Parameters

**dlg** TSelf

The **TSelf** to show.

**hWnd** [nint](#)

The handle of the owner window.

### Returns

TShowReturn

The result of the dialog.

# Enum HelpContext

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

The type of context for which help is requested.

```
public enum HelpContext
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

`MenuItem` = 2

Help requested for a menu item.

`Window` = 1

Help requested for a control or window.

# Class HelpEventArgs

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

Provides event arguments for help events.

```
public class HelpEventArgs : EventArgs
```

## Inheritance

[object](#) ← [EventArgs](#) ← HelpEventArgs

## Inherited Members

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

## Properties

### ContextId

The help context identifier of the window or control.

```
public nint ContextId { get; }
```

### Property Value

[nint](#)

### ContextType

The type of context for which help is requested.

```
public HelpContext ContextType { get; }
```

### Property Value

## ControlHandle

The handle of the child window, control, or menu item.

```
public nint ControlHandle { get; }
```

Property Value

[nint](#)

## ControlId

The identifier of the window or control if [ContextType](#) is [Window](#), or identifier of the menu item if [ContextType](#) is [MenuItem](#).

```
public int ControlId { get; }
```

Property Value

[int](#)

## MousePos

The [Point](#) that contains the screen coordinates of the mouse cursor. This is useful for providing help based on the position of the mouse cursor.

```
public Point MousePos { get; }
```

Property Value

[Point](#)

# Class Win32MessageBox

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

Provides methods for showing a Win32 message box.

```
public sealed class Win32MessageBox : DialogWindow<Win32MessageBoxResult, Win32MessageBox>
```

## Inheritance

[object](#) ← [DialogWindow<Win32MessageBoxResult, Win32MessageBox>](#) ← Win32MessageBox

## Inherited Members

[DialogWindow<Win32MessageBoxResult, Win32MessageBox>.Show\(\)](#) ,  
[DialogWindow<Win32MessageBoxResult, Win32MessageBox>.Show\(nint\)](#) ,  
[DialogWindow<Win32MessageBoxResult, Win32MessageBox>.Show\(Win32MessageBox\)](#) ,  
[DialogWindow<Win32MessageBoxResult, Win32MessageBox>.Show\(Win32MessageBox, nint\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

### Buttons

Specifies the buttons on the message box.

```
public Win32MessageBoxButtons Buttons { get; set; }
```

### Property Value

[Win32MessageBoxButtons](#)

### Caption

Specifies the caption of the message box. If set to [null](#), defaults to Error.

```
public string? Caption { get; set; }
```

## Property Value

[string](#)

## ContextHelpId

Specifies the help context. When [OnHelp](#) fires, this specifies the value that will be in the [ContextId](#) property of the [HelpEventArgs](#).

```
public uint? ContextHelpId { get; set; }
```

## Property Value

[uint](#)?

## Culture

Specifies the culture this message box uses. If [null](#), uses the default system culture.

```
public CultureInfo? Culture { get; set; }
```

## Property Value

[CultureInfo](#)

## Remarks

### NOTE

Each localized release of Windows typically contains resources only for a limited set of languages. Thus, for example, the U.S. version offers **English**, the French version offers **French**, the German version offers **German**, and the Japanese version offers **Japanese**. Each version offers **Neutral**. This limits the set of values that can be used with the [Culture](#) parameter. Before specifying a language identifier, you should enumerate the locales that are installed on a system.

## DefaultButton

Specifies the default button on the message box. This value must be in a range of 1-4.

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

Property Value

[int](#)

Exceptions

[ArgumentOutOfRangeException](#)

The value is out of the range. The value must be in a range of 1-4.

## DefaultDesktopOnly

Same as desktop of the interactive window station. For more information, see [Window Stations](#).

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

Property Value

[bool](#)

Remarks

If the current input desktop is not the default desktop, [Show\(\)](#) and [Show\(nint\)](#) does not return until the user switches to the default desktop.

## Icon

Gets or sets the icon displayed on the message box.

```
public Win32MessageBoxIcon Icon { get; set; }
```

Property Value

## [Win32MessageBoxIcon](#)

### Modality

Specifies the modality of the message box. The default is [ApplicationModal](#).

```
public Win32MessageBoxModality Modality { get; set; }
```

### Property Value

[Win32MessageBoxModality](#)

### RightAlign

If [true](#), the message box is right aligned. Otherwise, it is left-aligned. The default is [false](#).

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

### Property Value

[bool](#)

### RightToLeft

If [true](#), displays message and caption text using right-to-left reading order on Hebrew and Arabic systems. (called RtlReading in Win32)

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

### Property Value

[bool](#)

### ServiceNotification

The caller is a service notifying the user of an event. The function displays a message box on the current active desktop, even if there is no user logged on to the computer.

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

## Property Value

[bool](#)

## Remarks

### NOTE

**Terminal Services:** If the calling thread has an impersonation token, the function directs the message box to the session specified in the impersonation token.

If this flag is set, the [Show\(\)](#) function should be called instead of [Show\(nint\)](#). This is so that the message box can appear on a desktop other than the desktop corresponding to the window corresponding to the specified `hWnd` in [Show\(nint\)](#).

For information on security considerations in regard to using this flag, see [Interactive Services](#). In particular, be aware that this flag can produce interactive content on a locked desktop and should therefore be used for only a very limited set of scenarios, such as resource exhaustion.

## SetForeground

If [true](#), the message box becomes the foreground window. Internally, the system calls the `SetForegroundWindow` function for the message box.

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

## Property Value

[bool](#)

## ShowHelp

Adds a Help button to the message box. When the user clicks the Help button or presses F1, the message box fires the [OnHelp](#) event.

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

Property Value

[bool](#)

## Text

Specifies the text of the message box.

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

Property Value

[string](#)

## TopMost

If [true](#), the message box is created as a top-most window (stays on top).

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

Property Value

[bool](#)

## Methods

### Show()

Shows the message box modelessly.

```
public override Win32MessageBoxResult Show()
```

## Returns

### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the strings in the [Text](#) and [Caption](#) members should not be taken from a resource file, because an attempt to load the resource may fail.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(nint)

Shows the message box.

```
public override Win32MessageBoxResult Show(nint hWnd)
```

## Parameters

### [hWnd](#) [nint](#)

The handle of the parent window to attach the message box to.

## Returns

### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the strings in the [Text](#) and [Caption](#) members should not be taken from a resource file, because an attempt to load the resource may fail.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(nint, string)

Shows a message box with the specified text and the default caption (Error) as a child of the window specified by [hWnd](#).

```
public static Win32MessageBoxResult Show(nint hWnd, string text)
```

## Parameters

### [hWnd](#) [nint](#)

The handle of the parent window to attach the message box to.

### [text](#) [string](#)

The text on the message box.

## Returns

### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the string in the [text](#) parameter should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(nint\)](#) method.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(nint, string, Win32MessageBoxButtons)

Shows a message box with the specified text and buttons as a child of the window specified by [hWnd](#).

```
public static Win32MessageBoxResult Show(nint hWnd, string text,  
Win32MessageBoxButtons buttons)
```

## Parameters

### [hWnd](#) [nint](#)

The handle of the parent window to attach the message box to.

### [text](#) [string](#)

The text on the message box.

### [buttons](#) [Win32MessageBoxButtons](#)

The buttons on the message box. One of the [Win32MessageBoxButtons](#) values.

## Returns

## [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the string in the [text](#) parameter should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(nint\)](#) method.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(nint, string, Win32MessageBoxIcon)

Shows a message box with the specified text and icon as a child of the window specified by [hWnd](#).

```
public static Win32MessageBoxResult Show(nint hWnd, string text, Win32MessageBoxIcon icon)
```

## Parameters

### [hWnd](#) [nint](#)

The handle of the parent window to attach the message box to.

### [text](#) [string](#)

The text on the message box.

### [icon](#) [Win32MessageBoxIcon](#)

The icon displayed on the message box. One of the [Win32MessageBoxIcon](#) values.

## Returns

### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the string in the [text](#) parameter should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(nint\)](#) method.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(nint, string, Win32MessageBoxIcon, Win32MessageBoxButtons)

Shows a message box with the specified text, icon, and buttons as a child of the window specified by [hWnd](#).

```
public static Win32MessageBoxResult Show(nint hWnd, string text, Win32MessageBoxIcon icon, Win32MessageBoxButtons buttons)
```

## Parameters

### [hWnd nint](#)

The handle of the parent window to attach the message box to.

#### **text** [string](#) ↗

The text on the message box.

#### **icon** [Win32MessageBoxIcon](#)

The icon displayed on the message box. One of the [Win32MessageBoxIcon](#) values.

#### **buttons** [Win32MessageBoxButtons](#)

The buttons on the message box. One of the [Win32MessageBoxButtons](#) values.

Returns

#### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

Remarks

When you use a system-modal message box to indicate that the system is low on memory, the string in the **text** parameter should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(nint\)](#) method.

Exceptions

#### [OutOfMemoryException](#) ↗

There was not enough memory to create the message box.

## Show(nint, string, string?)

Shows a message box with the specified text and caption as a child of the window specified by **hWnd**.

```
public static Win32MessageBoxResult Show(nint hWnd, string text, string? caption)
```

## Parameters

**hWnd** [nint](#)

The handle of the parent window to attach the message box to.

**text** [string](#)

The text on the message box.

**caption** [string](#)

The caption (title) of the message box.

## Returns

[Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the strings in the **text** and **caption** parameters should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(nint\)](#) method.

## Exceptions

[OutOfMemoryException](#)

There was not enough memory to create the message box.

# Show(nint, string, string?, Win32MessageBoxButtons)

Shows a message box with the specified text, caption, and buttons as a child of the window specified by `hWnd`.

```
public static Win32MessageBoxResult Show(nint hWnd, string text, string? caption,  
Win32MessageBoxButtons buttons)
```

## Parameters

`hWnd` [nint](#)

The handle of the parent window to attach the message box to.

`text` [string](#)

The text on the message box.

`caption` [string](#)

The caption (title) of the message box.

`buttons` [Win32MessageBoxButtons](#)

The buttons on the message box. One of the [Win32MessageBoxButtons](#) values.

## Returns

[Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the strings in the `text` and `caption` parameters should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(nint\)](#).

method.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(nint, string, string?, Win32MessageBoxIcon)

Shows a message box with the specified text, caption, and icon as a child of the window specified by `hWnd`.

```
public static Win32MessageBoxResult Show(nint hWnd, string text, string? caption,  
Win32MessageBoxIcon icon)
```

## Parameters

### `hWnd` [nint](#)

The handle of the parent window to attach the message box to.

### `text` [string](#)

The text on the message box.

### `caption` [string](#)

The caption (title) of the message box.

### `icon` [Win32MessageBoxIcon](#)

The icon displayed on the message box. One of the [Win32MessageBoxIcon](#) values.

## Returns

### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the strings in the `text` and `caption` parameters should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(nint\)](#) method.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(nint, string, string?, Win32MessageBoxIcon, Win32MessageBoxButtons)

Shows a message box with the specified text, caption, icon, and buttons as a child of the window specified by `hWnd`.

```
public static Win32MessageBoxResult Show(nint hWnd, string text, string? caption,  
Win32MessageBoxIcon icon, Win32MessageBoxButtons buttons)
```

## Parameters

### `hWnd` [nint](#)

The handle of the parent window to attach the message box to.

### `text` [string](#)

The text on the message box.

### `caption` [string](#)

The caption (title) of the message box.

### `icon` [Win32MessageBoxIcon](#)

The icon displayed on the message box. One of the [Win32MessageBoxIcon](#) values.

## buttons [Win32MessageBoxButtons](#)

The buttons on the message box. One of the [Win32MessageBoxButtons](#) values.

Returns

## [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

Remarks

When you use a system-modal message box to indicate that the system is low on memory, the strings in the [text](#) and [caption](#) parameters should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(nint\)](#) method.

Exceptions

## [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(string)

Shows a modeless message box with the specified text and the default caption (Error).

```
public static Win32MessageBoxResult Show(string text)
```

Parameters

## [text string](#)

The text on the message box.

## Returns

### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the string in the [text](#) parameter should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(\)](#) method.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(string, Win32MessageBoxButtons)

Shows a modeless message box with the specified text and buttons.

```
public static Win32MessageBoxResult Show(string text, Win32MessageBoxButtons buttons)
```

## Parameters

### [text](#) [string](#)

The text on the message box.

### [buttons](#) [Win32MessageBoxButtons](#)

The buttons on the message box. One of the [Win32MessageBoxButtons](#) values.

## Returns

### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the string in the [text](#) parameter should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.WinInteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(\)](#) method.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(string, Win32MessageBoxIcon)

Shows a modeless message box with the specified text and icon.

```
public static Win32MessageBoxResult Show(string text, Win32MessageBoxIcon icon)
```

## Parameters

### [text](#) [string](#)

The text on the message box.

### [icon](#) [Win32MessageBoxIcon](#)

The icon displayed on the message box. One of the [Win32MessageBoxIcon](#) values.

## Returns

### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the string in the [text](#) parameter should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(\)](#) method.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(string, Win32MessageBoxIcon, Win32MessageBoxButtons)

Shows a modeless message box with the specified text, icon, and buttons.

```
public static Win32MessageBoxResult Show(string text, Win32MessageBoxIcon icon, Win32MessageBoxButtons buttons)
```

## Parameters

### [text](#) [string](#)

The text on the message box.

### [icon](#) [Win32MessageBoxIcon](#)

The icon displayed on the message box. One of the [Win32MessageBoxIcon](#) values.

#### buttons [Win32MessageBoxButtons](#)

The buttons on the message box. One of the [Win32MessageBoxButtons](#) values.

Returns

#### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

Remarks

When you use a system-modal message box to indicate that the system is low on memory, the string in the [text](#) parameter should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(\)](#) method.

Exceptions

#### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Show(string, string?)

Shows a modeless message box with the specified text and caption.

```
public static Win32MessageBoxResult Show(string text, string? caption)
```

Parameters

#### [text](#) [string](#)

The text on the message box.

#### [caption](#) [string](#) ↗

The caption (title) of the message box.

Returns

#### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

Remarks

When you use a system-modal message box to indicate that the system is low on memory, the strings in the [text](#) and [caption](#) parameters should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(\)](#) method.

Exceptions

#### [OutOfMemoryException](#) ↗

There was not enough memory to create the message box.

## Show(string, string?, Win32MessageBoxButtons)

Shows a modeless message box with the specified text, caption, and buttons.

```
public static Win32MessageBoxResult Show(string text, string? caption,  
Win32MessageBoxButtons buttons)
```

Parameters

#### [text](#) [string](#) ↗

The text on the message box.

#### **caption** [string](#) ↗

The caption (title) of the message box.

#### **buttons** [Win32MessageBoxButtons](#)

The buttons on the message box. One of the [Win32MessageBoxButtons](#) values.

Returns

#### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

Remarks

When you use a system-modal message box to indicate that the system is low on memory, the strings in the **text** and **caption** parameters should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(\)](#) method.

Exceptions

#### [OutOfMemoryException](#) ↗

There was not enough memory to create the message box.

## Show(string, string?, Win32MessageBoxIcon)

Shows a modeless message box with the specified text, caption, and icon.

```
public static Win32MessageBoxResult Show(string text, string? caption,  
Win32MessageBoxIcon icon)
```

## Parameters

### **text** [string](#) ↗

The text on the message box.

### **caption** [string](#) ↗

The caption (title) of the message box.

### **icon** [Win32MessageBoxIcon](#)

The icon displayed on the message box. One of the [Win32MessageBoxIcon](#) values.

## Returns

### [Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the strings in the **text** and **caption** parameters should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(\)](#) method.

## Exceptions

### [OutOfMemoryException](#) ↗

There was not enough memory to create the message box.

## Show(string, string?, Win32MessageBoxIcon, Win32MessageBoxButtons)

Shows a modeless message box with the specified text, caption, icon, and buttons.

```
public static Win32MessageBoxResult Show(string text, string? caption, Win32MessageBoxIcon icon, Win32MessageBoxButtons buttons)
```

## Parameters

**text** [string](#)

The text on the message box.

**caption** [string](#)

The caption (title) of the message box.

**icon** [Win32MessageBoxIcon](#)

The icon displayed on the message box. One of the [Win32MessageBoxIcon](#) values.

**buttons** [Win32MessageBoxButtons](#)

The buttons on the message box. One of the [Win32MessageBoxButtons](#) values.

## Returns

[Win32MessageBoxResult](#)

The button that was clicked.

If a message box has a Cancel button, the function returns the [Cancel](#) value if either the ESC key is pressed or the Cancel button is selected. If the message box has no Cancel button, pressing ESC has no effect.

## Remarks

When you use a system-modal message box to indicate that the system is low on memory, the strings in the **text** and **caption** parameters should not be taken from a resource file, because an attempt to load the resource may fail.

For extended customization, create an instance of the [Win32MessageBox](#) class with the `Fireblade.Win.InteropUtils.Dialogs.Win32MessageBox.Win32MessageBox()` constructor and show it with the [Show\(\)](#) method.

## Exceptions

### [OutOfMemoryException](#)

There was not enough memory to create the message box.

## Events

### OnHelp

Fires when help is requested from the message box.

```
public event EventHandler<HelpEventArgs>? OnHelp
```

### Event Type

#### [EventHandler](#) <[HelpEventArgs](#)>

# Enum Win32MessageBoxButtons

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

Defines the buttons on a message box.

```
public enum Win32MessageBoxButtons : long
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**AbortRetryIgnore = 2**

The message box contains three push buttons: Abort, Retry, and Ignore.

**CancelRetryContinue = 6**

The message box contains three push buttons: Cancel, Try Again, Continue. Use this instead of [AbortRetryIgnore](#).

**Ok = 0**

The message box contains one push button: OK. This is the default.

**OkCancel = 1**

The message box contains two push buttons: OK and Cancel.

**RetryCancel = 5**

The message box contains two push buttons: Retry and Cancel.

**YesNo = 4**

The message box contains two push buttons: Yes and No.

**YesNoCancel = 3**

The message box contains three push buttons: Yes, No, and Cancel.

# Enum Win32MessageBoxIcon

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

Specifies the icon in a message box.

```
public enum Win32MessageBoxIcon : long
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**Asterisk** = 64

An icon consisting of a lowercase letter *i* in a circle appears in the message box.

**Error** = 16

A stop-sign icon appears in the message box.

**Exclamation** = 48

An exclamation-point icon appears in the message box.

**Hand** = 16

A stop-sign icon appears in the message box.

**Info** = 64

An icon consisting of a lowercase letter *i* in a circle appears in the message box.

**Information** = 64

An icon consisting of a lowercase letter *i* in a circle appears in the message box.

**None** = 0

No icon is displayed in the message box.

**[Obsolete("The question-mark message icon is not recommended; see documentation for details.")] Question = 32**

A question-mark icon appears in the message box.

The question-mark message icon is no longer recommended because it does not clearly represent a specific type of message and because the phrasing of a message as a question could apply to any message type. In addition, users can confuse the message symbol question mark with Help information. Therefore, do not use this question mark message symbol in your message boxes. The system continues to support its inclusion only for backward compatibility.

**Stop = 16**

A stop-sign icon appears in the message box.

**Warning = 48**

An exclamation-point icon appears in the message box.

# Enum Win32MessageBoxModality

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

Specifies the modality of a [Win32MessageBox](#).

```
public enum Win32MessageBoxModality : long
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**ApplicationModal** = 0

The user must respond to the message box before continuing work in the window identified by the **hWnd** parameter. However, the user can move to the windows of other threads and work in those windows.

Depending on the hierarchy of windows in the application, the user may be able to move to other windows within the thread. All child windows of the parent of the message box are automatically disabled, but pop-up windows are not.

**SystemModal** = 4096

Same as [ApplicationModal](#) except that the message box is a top-most window (stays on top). Use system-modal message boxes to notify the user of serious, potentially damaging errors that require immediate attention (for example, running out of memory). This flag has no effect on the user's ability to interact with windows other than those associated with **hWnd**.

**TaskModal** = 8192

Same as [ApplicationModal](#) except that all the top-level windows belonging to the current thread are disabled if the **hWnd** parameter is [null](#). Use this flag when the calling application or library does not have a window handle available but still needs to prevent input to other windows in the calling thread without suspending other threads.

# Enum Win32MessageBoxResult

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

Represents the result of the message box.

```
public enum Win32MessageBoxResult
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**Abort** = 3

The Abort button was selected.

**Cancel** = 2

The Cancel button was selected.

**Continue** = 11

The Continue button was selected.

**Ignore** = 5

The Ignore button was selected.

**No** = 7

The No button was selected.

**Ok** = 1

The OK button was selected.

**Retry** = 4

The Retry button was selected.

**TryAgain** = 10

The Try Again button was selected.

Yes = 6

The Yes button was selected.

# Namespace FireBlade.WinInteropUtils.WinForms

## Classes

### [ProgressBarEx](#)

Represents a Win32 progress bar control.

## Enums

### [ProgressBarExStyle](#)

Specifies the style of a [ProgressBarEx](#) control.

### [ProgressBarExType](#)

Specifies the [Type](#) of a [ProgressBarEx](#).

# Class ProgressBarEx

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Represents a Win32 progress bar control.

```
public class ProgressBarEx : Control, IDropTarget, ISynchronizeInvoke, IWin32Window,  
IBindableComponent, IComponent, IDisposable
```

## Inheritance

[object](#) ← [MarshalByRefObject](#) ← [Component](#) ← [Control](#) ← [ProgressBarEx](#)

## Implements

[IDropTarget](#), [ISynchronizeInvoke](#), [IWin32Window](#), [IBindableComponent](#), [IComponent](#),  
[IDisposable](#)

## Inherited Members

[Control.GetAccessibilityObjectById\(int\)](#), [Control.SetAutoSizeMode\(AutoSizeMode\)](#),  
[Control.GetAutoSizeMode\(\)](#), [Control.GetPreferredSize\(Size\)](#),  
[Control.AccessibilityNotifyClients\(AccessibleEvents, int\)](#),  
[Control.AccessibilityNotifyClients\(AccessibleEvents, int, int\)](#), [Control.BeginInvoke\(Delegate\)](#),  
[Control.BeginInvoke\(Action\)](#), [Control.BeginInvoke\(Delegate, params object\[\]\)](#),  
[Control.BringToFront\(\)](#), [Control.Contains\(Control\)](#), [Control.CreateAccessibilityInstance\(\)](#),  
[Control.CreateControl\(\)](#), [Control.CreateGraphics\(\)](#), [Control.CreateHandle\(\)](#),  
[Control.CreateWndProc\(ref Message\)](#), [Control.DestroyHandle\(\)](#),  
[Control.DoDragDrop\(object, DragDropEffects\)](#),  
[Control.DoDragDrop\(object, DragDropEffects, Bitmap, Point, bool\)](#),  
[Control.DrawToBitmap\(Bitmap, Rectangle\)](#), [Control.EndInvoke\(IAsyncResult\)](#), [Control.FindForm\(\)](#),  
[Control.GetTopLevel\(\)](#), [Control.RaiseKeyEvent\(object, KeyEventArgs\)](#),  
[Control.RaiseMouseEvent\(object, MouseEventArgs\)](#), [Control.Focus\(\)](#),  
[Control.FromChildHandle\(nint\)](#), [Control.FromHandle\(nint\)](#),  
[Control.GetChildAtPoint\(Point, GetChildAtPointSkip\)](#), [Control.GetChildAtPoint\(Point\)](#),  
[Control.GetContainerControl\(\)](#), [Control.GetScaledBounds\(Rectangle, SizeF, BoundsSpecified\)](#),  
[Control.GetNextControl\(Control, bool\)](#), [Control.GetStyle\(ControlStyles\)](#), [Control.Hide\(\)](#),  
[Control.InitLayout\(\)](#), [Control.Invalidate\(Region\)](#), [Control.Invalidate\(Region, bool\)](#),  
[Control.Invalidate\(\)](#), [Control.Invalidate\(bool\)](#), [Control.Invalidate\(Rectangle\)](#),  
[Control.Invalidate\(Rectangle, bool\)](#), [Control.Invoke\(Action\)](#), [Control.Invoke\(Delegate\)](#),  
[Control.Invoke\(Delegate, params object\[\]\)](#), [Control.Invoke<T>\(Func<T>\)](#),  
[Control.InvokePaint\(Control, PaintEventArgs\)](#),

[Control.InvokePaintBackground\(Control, PaintEventArgs\)](#) , [Control.IsKeyLocked\(Keys\)](#) ,  
[Control.IsInputChar\(char\)](#) , [Control.IsInputKey\(Keys\)](#) , [Control.IsMnemonic\(char, string\)](#) ,  
[Control.LogicalToDeviceUnits\(int\)](#) , [Control.LogicalToDeviceUnits\(Size\)](#) ,  
[Control.ScaleBitmapLogicalToDevice\(ref Bitmap\)](#) , [Control.NotifyInvalidate\(Rectangle\)](#) ,  
[Control.InvokeOnClick\(Control, EventArgs\)](#) , [Control.OnAutoSizeChanged\(EventArgs\)](#) ,  
[Control.OnBackColorChanged\(EventArgs\)](#) , [Control.OnBackgroundImageChanged\(EventArgs\)](#) ,  
[Control.OnBackgroundImageLayoutChanged\(EventArgs\)](#) ,  
[Control.OnBindingContextChanged\(EventArgs\)](#) , [Control.OnCausesValidationChanged\(EventArgs\)](#) ,  
[Control.OnContextMenuStripChanged\(EventArgs\)](#) , [Control.OnCursorChanged\(EventArgs\)](#) ,  
[Control.OnDataContextChanged\(EventArgs\)](#) , [Control.OnDockChanged\(EventArgs\)](#) ,  
[Control.OnEnabledChanged\(EventArgs\)](#) , [Control.OnFontChanged\(EventArgs\)](#) ,  
[Control.OnForeColorChanged\(EventArgs\)](#) , [Control.OnRightToLeftChanged\(EventArgs\)](#) ,  
[Control.OnNotifyMessage\(Message\)](#) , [Control.OnParentBackColorChanged\(EventArgs\)](#) ,  
[Control.OnParentBackgroundImageChanged\(EventArgs\)](#) ,  
[Control.OnParentBindingContextChanged\(EventArgs\)](#) , [Control.OnParentCursorChanged\(EventArgs\)](#) ,  
[Control.OnParentDataContextChanged\(EventArgs\)](#) , [Control.OnParentEnabledChanged\(EventArgs\)](#) ,  
[Control.OnParentFontChanged\(EventArgs\)](#) , [Control.OnParentForeColorChanged\(EventArgs\)](#) ,  
[Control.OnParentRightToLeftChanged\(EventArgs\)](#) , [Control.OnParentVisibleChanged\(EventArgs\)](#) ,  
[Control.OnPrint\(PaintEventArgs\)](#) , [Control.OnTabIndexChanged\(EventArgs\)](#) ,  
[Control.OnTabStopChanged\(EventArgs\)](#) , [Control.OnTextChanged\(EventArgs\)](#) ,  
[Control.OnVisibleChanged\(EventArgs\)](#) , [Control.OnParentChanged\(EventArgs\)](#) ,  
[Control.OnClick\(EventArgs\)](#) , [Control.OnClientSizeChanged\(EventArgs\)](#) ,  
[Control.OnControlAdded\(ControlEventArgs\)](#) , [Control.OnControlRemoved\(ControlEventArgs\)](#) ,  
[Control.OnCreateControl\(\)](#) , [Control.OnLocationChanged\(EventArgs\)](#) ,  
[Control.OnHandleDestroyed\(EventArgs\)](#) , [Control.OnDoubleClick\(EventArgs\)](#) ,  
[Control.OnDragEnter\(DragEventArgs\)](#) , [Control.OnDragOver\(DragEventArgs\)](#) ,  
[Control.OnDragLeave\(EventArgs\)](#) , [Control.OnDragDrop\(DragEventArgs\)](#) ,  
[Control.OnGiveFeedback\(GiveFeedbackEventArgs\)](#) , [Control.OnEnter\(EventArgs\)](#) ,  
[Control.InvokeGotFocus\(Control, EventArgs\)](#) , [Control.OnGotFocus\(EventArgs\)](#) ,  
[Control.OnHelpRequested\(HelpEventArgs\)](#) , [Control.OnInvalidated\(InvalidateEventArgs\)](#) ,  
[Control.OnKeyDown\(KeyEventArgs\)](#) , [Control.OnKeyPress\(KeyPressEventArgs\)](#) ,  
[Control.OnKeyUp\(KeyEventArgs\)](#) , [Control.OnLayout\(LayoutEventArgs\)](#) ,  
[Control.OnLeave\(EventArgs\)](#) , [Control.InvokeLostFocus\(Control, EventArgs\)](#) ,  
[Control.OnLostFocus\(EventArgs\)](#) , [Control.OnMarginChanged\(EventArgs\)](#) ,  
[Control.OnMouseDoubleClick\(MouseEventArgs\)](#) , [Control.OnMouseClicked\(MouseEventArgs\)](#) ,  
[Control.OnMouseCaptureChanged\(EventArgs\)](#) , [Control.OnMouseDown\(MouseEventArgs\)](#) ,  
[Control.OnMouseEnter\(EventArgs\)](#) , [Control.OnMouseLeave\(EventArgs\)](#) ,  
[Control.OnDpiChangedBeforeParent\(EventArgs\)](#) , [Control.OnDpiChangedAfterParent\(EventArgs\)](#) ,  
[Control.OnMouseHover\(EventArgs\)](#) , [Control.OnMouseMove\(MouseEventArgs\)](#) ,  
[Control.OnMouseUp\(MouseEventArgs\)](#) , [Control.OnMouseWheel\(MouseEventArgs\)](#) ,

[Control.OnMove\(EventArgs\)](#) , [Control.OnPaint\(PaintEventArgs\)](#) ,  
[Control.OnPaddingChanged\(EventArgs\)](#) , [Control.OnPaintBackground\(PaintEventArgs\)](#) ,  
[Control.OnQueryContinueDrag\(QueryContinueDragEventArgs\)](#) ,  
[Control.OnRegionChanged\(EventArgs\)](#) , [Control.OnResize\(EventArgs\)](#) ,  
[Control.OnPreviewKeyDown\(PreviewKeyDownEventArgs\)](#) , [Control.OnSizeChanged\(EventArgs\)](#) ,  
[Control.OnChangeUICues\(UICuesEventArgs\)](#) , [Control.OnStyleChanged\(EventArgs\)](#) ,  
[Control.OnSystemColorsChanged\(EventArgs\)](#) , [Control.OnValidating\(CancelEventArgs\)](#) ,  
[Control.OnValidated\(EventArgs\)](#) , [Control.RescaleConstantsForDpi\(int, int\)](#) ,  
[Control.PerformLayout\(\)](#) , [Control.PerformLayout\(Control, string\)](#) , [Control.PointToClient\(Point\)](#) ,  
[Control.PointToScreen\(Point\)](#) , [Control.PreProcessMessage\(ref Message\)](#) ,  
[Control.PreProcessControlMessage\(ref Message\)](#) , [Control.ProcessCmdKey\(ref Message, Keys\)](#) ,  
[Control.ProcessDialogChar\(char\)](#) , [Control.ProcessDialogKey\(Keys\)](#) ,  
[Control.ProcessKeyEventArgs\(ref Message\)](#) , [Control.ProcessKeyMessage\(ref Message\)](#) ,  
[Control.ProcessKeyPreview\(ref Message\)](#) , [Control.ProcessMnemonic\(char\)](#) ,  
[Control.RaiseDragEvent\(object, DragEventArgs\)](#) , [Control.RaisePaintEvent\(object, PaintEventArgs\)](#) ,  
[Control.RecreateHandle\(\)](#) , [Control.RectangleToClient\(Rectangle\)](#) ,  
[Control.RectangleToScreen\(Rectangle\)](#) , [Control.ReflectMessage\(nint, ref Message\)](#) ,  
[Control.Refresh\(\)](#) , [Control.ResetMouseEventArgs\(\)](#) , [Control.ResetText\(\)](#) , [Control.ResumeLayout\(\)](#) ,  
[Control.ResumeLayout\(bool\)](#) , [Control.Scale\(SizeF\)](#) , [Control.ScaleControl\(SizeF, BoundsSpecified\)](#) ,  
[Control.Select\(\)](#) , [Control.Select\(bool, bool\)](#) ,  
[Control.SelectNextControl\(Control, bool, bool, bool, bool\)](#) , [Control.SendToBack\(\)](#) ,  
[Control.SetBounds\(int, int, int, int\)](#) , [Control.SetBounds\(int, int, int, int, BoundsSpecified\)](#) ,  
[Control.SetBoundsCore\(int, int, int, int, BoundsSpecified\)](#) , [Control.SetClientSizeCore\(int, int\)](#) ,  
[Control.SizeFromClientSize\(Size\)](#) , [Control.SetStyle\(ControlStyles, bool\)](#) , [Control.SetTopLevel\(bool\)](#) ,  
[Control.SetVisibleCore\(bool\)](#) , [Control.RtlTranslateAlignment\(HorizontalAlignment\)](#) ,  
[Control.RtlTranslateAlignment\(LeftRightAlignment\)](#) ,  
[Control.RtlTranslateAlignment\(ContentAlignment\)](#) ,  
[Control.RtlTranslateHorizontal\(HorizontalAlignment\)](#) ,  
[Control.RtlTranslateLeftRight\(LeftRightAlignment\)](#) , [Control.RtlTranslateContent\(ContentAlignment\)](#) ,  
[Control.Show\(\)](#) , [Control.SuspendLayout\(\)](#) , [Control.Update\(\)](#) , [Control.UpdateBounds\(\)](#) ,  
[Control.UpdateBounds\(int, int, int, int\)](#) , [Control.UpdateBounds\(int, int, int, int, int, int\)](#) ,  
[Control.UpdateZOrder\(\)](#) , [Control.UpdateStyles\(\)](#) , [Control.WndProc\(ref Message\)](#) ,  
[Control.OnImeModeChanged\(EventArgs\)](#) , [Control.AccessibilityObject](#) ,  
[Control.AccessibleDefaultActionDescription](#) , [Control.AccessibleDescription](#) ,  
[Control.AccessibleName](#) , [Control.AccessibleRole](#) , [Control.AllowDrop](#) , [Control.Anchor](#) ,  
[Control.AutoScrollOffset](#) , [Control.LayoutEngine](#) , [Control.DataContext](#) ,  
[Control.BackgroundImage](#) , [Control.BackgroundImageLayout](#) , [Control.BindingContext](#) ,  
[Control.Bottom](#) , [Control.Bounds](#) , [Control.CanFocus](#) , [Control.CanRaiseEvents](#) ,  
[Control.CanSelect](#) , [Control.Capture](#) , [Control.CausesValidation](#) ,  
[Control.CheckForIllegalCrossThreadCalls](#) , [Control.ClientRectangle](#) , [Control.ClientSize](#) ,

[Control.CompanyName](#) , [Control.ContainsFocus](#) , [Control.ContextMenuStrip](#) , [Control.Controls](#) ,  
[Control.Created](#) , [Control.Cursor](#) , [Control.DataBindings](#) , [Control.DefaultBackColor](#) ,  
[Control.DefaultCursor](#) , [Control.DefaultFont](#) , [Control.DefaultForeColor](#) , [Control.DefaultMargin](#) ,  
[Control.DefaultMaximumSize](#) , [Control.DefaultMinimumSize](#) , [Control.DefaultPadding](#) ,  
[Control.DefaultSize](#) , [Control.DeviceDpi](#) , [Control.DisplayRectangle](#) , [Control.IsDisposed](#) ,  
[Control.Disposing](#) , [Control.Dock](#) , [Control.DoubleBuffered](#) , [Control.Enabled](#) , [Control.Focused](#) ,  
[Control.Font](#) , [Control.FontHeight](#) , [Control.Handle](#) , [Control.HasChildren](#) , [Control.Height](#) ,  
[Control.IsHandleCreated](#) , [Control.InvokeRequired](#) , [Control.Accessible](#) ,  
[Control.IsAncestorSiteInDesignMode](#) , [Control.IsMirrored](#) , [Control.Left](#) , [Control.Location](#) ,  
[Control.Margin](#) , [Control.MaximumSize](#) , [Control.MinimumSize](#) , [Control.ModifierKeys](#) ,  
[Control.MouseButtons](#) , [Control.mousePosition](#) , [Control.Name](#) , [Control.Parent](#) ,  
[Control.ProductName](#) , [Control.ProductVersion](#) , [Control.RecreatingHandle](#) , [Control.Region](#) ,  
[Control.RenderRightToLeft](#) , [Control.ResizeRedraw](#) , [Control.Right](#) , [Control.RightToLeft](#) ,  
[Control.ScaleChildren](#) , [Control.Site](#) , [Control.Size](#) , [Control.TabIndex](#) , [Control.TabStop](#) ,  
[Control.Tag](#) , [Control.Text](#) , [Control.Top](#) , [Control.TopLevelControl](#) , [Control.ShowKeyboardCues](#) ,  
[Control.ShowFocusCues](#) , [Control.UseWaitCursor](#) , [Control.Visible](#) , [Control.Width](#) ,  
[Control.PreferredSize](#) , [Control.Padding](#) , [Control.CanEnableIme](#) , [Control.DefaultImeMode](#) ,  
[Control.ImeMode](#) , [Control.ImeModeBase](#) , [Control.PropagatingImeMode](#) ,  
[Control.BackColorChanged](#) , [Control.BackgroundImageChanged](#) ,  
[Control.BackgroundImageLayoutChanged](#) , [Control.BindingContextChanged](#) ,  
[Control.CausesValidationChanged](#) , [Control.ClientSizeChanged](#) ,  
[Control.ContextMenuStripChanged](#) , [Control.CursorChanged](#) , [Control.DockChanged](#) ,  
[Control.EnabledChanged](#) , [Control.FontChanged](#) , [Control.ForeColorChanged](#) ,  
[Control.LocationChanged](#) , [Control.MarginChanged](#) , [Control.RegionChanged](#) ,  
[Control.RightToLeftChanged](#) , [Control.SizeChanged](#) , [Control.TabIndexChanged](#) ,  
[Control.TabStopChanged](#) , [Control.TextChanged](#) , [Control.VisibleChanged](#) , [Control.Click](#) ,  
[Control.ControlAdded](#) , [Control.ControlRemoved](#) , [Control.DataContextChanged](#) ,  
[Control.DragDrop](#) , [Control.DragEnter](#) , [Control.DragOver](#) , [Control.DragLeave](#) ,  
[Control.GiveFeedback](#) , [Control.HandleCreated](#) , [Control.HandleDestroyed](#) ,  
[Control.HelpRequested](#) , [Control.Invalidated](#) , [Control.PaddingChanged](#) , [Control.Paint](#) ,  
[Control.QueryContinueDrag](#) , [Control.QueryAccessibilityHelp](#) , [Control.DoubleClick](#) ,  
[Control.Enter](#) , [Control.GotFocus](#) , [Control.KeyDown](#) , [Control.KeyPress](#) , [Control.KeyUp](#) ,  
[Control.Layout](#) , [Control.Leave](#) , [Control.LostFocus](#) , [Control.MouseClick](#) ,  
[Control.MouseDoubleClick](#) , [Control.MouseCaptureChanged](#) , [Control.MouseDown](#) ,  
[Control.MouseEnter](#) , [Control.MouseLeave](#) , [Control.DpiChangedBeforeParent](#) ,  
[Control.DpiChangedAfterParent](#) , [Control.MouseHover](#) , [Control.MouseMove](#) , [Control.MouseUp](#) ,  
[Control.MouseWheel](#) , [Control.Move](#) , [Control.PreviewKeyDown](#) , [Control.Resize](#) ,  
[Control.ChangeUICues](#) , [Control.StyleChanged](#) , [Control.SystemColorsChanged](#) ,  
[Control.Validating](#) , [Control.Validated](#) , [Control.ParentChanged](#) , [Control.ImeModeChanged](#) ,  
[Component.Dispose\(\)](#) , [Component.GetService\(Type\)](#) , [Component.ToString\(\)](#) ,

[Component.Container](#) , [Component.DesignMode](#) , [Component.Events](#) , [Component.Disposed](#) ,  
[MarshalByRefObject.GetLifetimeService\(\)](#) , [MarshalByRefObject.InitializeLifetimeService\(\)](#) ,  
[MarshalByRefObject.MemberwiseClone\(bool\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#)

## Constructors

### ProgressBarEx()

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

```
public ProgressBarEx()
```

## Properties

### BackColor

Gets or sets the background color of the progress bar.

```
public override Color BackColor { get; set; }
```

### Property Value

[Color](#)

### Remarks

Has no effect when visual styles are enabled.

## CreateParams

Gets the required creation parameters when the control handle is created.

```
protected override CreateParams CreateParams { get; }
```

## PropertyValue

### [CreateParams](#)

A [CreateParams](#) that contains the required creation parameters when the handle to the control is created.

## ForeColor

Gets or sets the bar color of the progress bar.

```
public override Color ForeColor { get; set; }
```

## PropertyValue

### [Color](#)

## Remarks

Has no effect when visual styles are enabled.

## MarqueeSpeed

Specifies the speed, in milliseconds, of the marquee animation when [Type](#) is set to [Marquee](#).

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

## PropertyValue

### [int](#)

## Maximum

Specifies the maximum value the progress bar represents.

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

## Property Value

[int](#)

## Minimum

Specifies the minimum value the progress bar represents.

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

## Property Value

[int](#)

## Orientation

Specifies the orientation of the progress bar.

```
public Orientation Orientation { get; set; }
```

## Property Value

[Orientation](#)

## ReverseOnBackward

Determines the animation behavior that the progress bar should use when moving backward (from a higher value to a lower value). If this is set, then a "smooth" transition will occur, otherwise the control will "jump" to the lower value.

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

## Property Value

[bool](#)

## Step

Gets or sets the amount that a call to [PerformStep\(\)](#) increases the progress bar's current position by.

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

### Property Value

[int](#)

## Style

Gets or sets the style of the progress bar.

```
public ProgressBarExStyle Style { get; set; }
```

### Property Value

[ProgressBarExStyle](#)

## Type

Specifies the type of the progress bar.

```
public ProgressBarExType Type { get; set; }
```

### Property Value

[ProgressBarExType](#)

## UseDefaultBackColor

If [true](#), use the default progress bar background color.

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

## Property Value

[bool](#)

## Remarks

Has no effect when visual styles are enabled.

## UseDefaultForeColor

If [true](#), use the default progress bar bar color.

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

## Property Value

[bool](#)

## Remarks

Has no effect when visual styles are enabled.

## Value

Specifies the current value the progress bar displays.

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

## Property Value

[int](#)

## Methods

### Dispose(bool)

Clean up any resources being used.

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

## Parameters

**disposing** [bool](#)

true if managed resources should be disposed; otherwise, false.

## OnHandleCreated(EventArgs)

Raises the [HandleCreated](#) event.

```
protected override void OnHandleCreated(EventArgs e)
```

## Parameters

**e** [EventArgs](#)

An [EventArgs](#) that contains the event data.

## PerformStep()

Advances the current position of the [ProgressBarEx](#) by the amount of the [Step](#) property, and redraws the control to reflect the new position.

```
public int PerformStep()
```

## Returns

[int](#)

The previous position.

## Remarks

When the position exceeds the maximum range value, this method resets the current position so that the progress indicator starts over again from the beginning.

## Exceptions

### [InvalidOperationException](#)

A step cannot be performed on a marquee progress bar as it does not use a value.

### [InvalidOperationException](#)

Can't perform a step right now; the control handle has not been created yet.

## StepBy(int)

Advances the current position of the progress bar by a specified increment and redraws the bar to reflect the new position.

```
public int StepBy(int step)
```

### Parameters

#### [step](#) [int](#)

The amount to advance the position by.

### Returns

#### [int](#)

The previous position.

### Remarks

If the increment results in a value outside the range of the control, the position is set to the nearest boundary.

## Exceptions

### [InvalidOperationException](#)

A step cannot be performed on a marquee progress bar as it does not use a value.

### [InvalidOperationException](#)

Can't perform a step right now; the control handle has not been created yet.

# Enum ProgressBarExStyle

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Specifies the style of a [ProgressBarEx](#) control.

```
public enum ProgressBarExStyle
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**Error** = 2

Shows an error (red) progress bar.

**Normal** = 1

Shows a regular progress bar.

**Paused** = 3

Shows a paused (yellow) progress bar.

# Enum ProgressBarExType

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Specifies the [Type](#) of a [ProgressBarEx](#).

```
public enum ProgressBarExType
```

## Extension Methods

[EnumExtensions.GetValues\(Enum\)](#).

## Fields

**Blocks** = 1

The progress bar displays progress status in blocks that fill up accross the bar. This is the default.

**Marquee** = 2

The progress indicator does not grow in size but instead moves repeatedly along the length of the bar, indicating activity without specifying what proportion of the progress is complete.

 **NOTE**

Requires visual styles. Make sure that you include [EnableVisualStyles\(\)](#) inside your Program class before starting your application.

**Smooth** = 0

The progress bar displays progress status in a smooth scrolling bar instead of the default segmented bar.

 **NOTE**

This style is supported only in the **Windows Classic** theme. All other themes override this style.