

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](#).

[StockIconHelper](#)

Allows you to get a shell stock icon. Unlike the built-in .NET [GetStockIcon\(StockIconId, int\)](#) or [GetStockIcon\(StockIconId, StockIconOptions\)](#) functions, this wrapper allows you to enter any icon ID you want.

[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.

[StockIcon](#)

Icon identifiers for the [`GetIcon\(StockIcon, StockIconOptions\)`](#) function.

[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_SCHEMA_NOT_FOUND = -2146368383

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

COMADMIN_E_MIG_VERSION_NOT_SUPPORTED = -2146368384

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

COMADMIN_E_NO_REGISTRY_CLSID = -2146368495

The component's CLSID is missing or corrupt.

COMADMIN_E_NO_SERVER_SHARE = -2146368485

No server file share available.

COMADMIN_E_NOT_CHANGEABLE = -2146368470

Changes to this object and its subobjects have been disabled.

COMADMIN_E_NOT_DELETEABLE = -2146368469

The delete function has been disabled for this object.

COMADMIN_E_NOT_IN_REGISTRY = -2146368450

Object was not found in registry.

COMADMIN_E_NO_USER = -2146368497

One or more users are not valid.

COMADMIN_E_OBJECT_ERRORS = -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><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><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 MSAudio 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_INASYNCALL = -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_TRIGGER_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_UNKNOWNRMRGRID = -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](#).

HighByte(decimal)

Retrieves the high-order byte from the given value.

```
public static byte HighByte(decimal w)
```

Parameters

w [decimal](#)

The value to be converted.

Returns

[byte](#)

The high-order byte of the specified value.

HighByte(double)

Retrieves the high-order byte from the given value.

```
public static byte HighByte(double w)
```

Parameters

w [double](#)

The value to be converted.

Returns

[byte](#)

The high-order byte of the specified value.

HighByte(int)

Retrieves the high-order byte from the given value.

```
public static byte HighByte(int w)
```

Parameters

w [int](#)

The value to be converted.

Returns

[byte](#)

The high-order byte of the specified value.

HighByte(float)

Retrieves the high-order byte from the given value.

```
public static byte HighByte(float w)
```

Parameters

w [float](#)

The value to be converted.

Returns

[byte](#)

The high-order byte of the specified value.

HighByte<TNum>(TNum)

Retrieves the high-order byte from the given value.

```
public static byte HighByte<TNum>(TNum w) where TNum : INumber<TNum>
```

Parameters

w TNum

The value to be converted.

Returns

[byte](#)

The high-order byte of the specified value.

Type Parameters

[TNum](#)

The number type.

HighWord(decimal)

Retrieves the high-order word from the specified 32-bit value.

```
public static ushort HighWord(decimal 1)
```

Parameters

[1 decimal](#)

The value to be converted.

Returns

[ushort](#)

The high-order word of the value specified by [1](#).

HighWord(double)

Retrieves the high-order word from the specified 32-bit value.

```
public static ushort HighWord(double 1)
```

Parameters

[1](#) [double](#)

The value to be converted.

Returns

[ushort](#)

The high-order word of the value specified by [1](#).

HighWord(int)

Retrieves the high-order word from the specified 32-bit value.

```
public static ushort HighWord(int l)
```

Parameters

[1](#) [int](#)

The value to be converted.

Returns

[ushort](#)

The high-order word of the value specified by [1](#).

HighWord(float)

Retrieves the high-order word from the specified 32-bit value.

```
public static ushort HighWord(float l)
```

Parameters

[1](#) [float](#)

The value to be converted.

Returns

[ushort](#)

The high-order word of the value specified by [1](#).

HighWord<TNum>(TNum)

Retrieves the high-order word from the specified 32-bit value.

```
public static ushort HighWord<TNum>(TNum l) where TNum : INumber<TNum>
```

Parameters

[1](#) TNum

The value to be converted.

Returns

[ushort](#)

The high-order word of the value specified by [1](#).

Type Parameters

[TNum](#)

The number type.

LowByte(decimal)

Retrieves the low-order byte from the specified value.

```
public static byte LowByte(decimal w)
```

Parameters

[w](#) [decimal](#)

The value to be converted.

Returns

[byte](#)

The low-order byte of the value specified by [w](#).

LowByte(double)

Retrieves the low-order byte from the specified value.

```
public static byte LowByte(double w)
```

Parameters

[w](#) [double](#)

The value to be converted.

Returns

[byte](#)

The low-order byte of the value specified by [w](#).

LowByte(int)

Retrieves the low-order byte from the specified value.

```
public static byte LowByte(int w)
```

Parameters

[w](#) [int](#)

The value to be converted.

Returns

[byte](#)

The low-order byte of the value specified by [w](#).

LowByte(float)

Retrieves the low-order byte from the specified value.

```
public static byte LowByte(float w)
```

Parameters

w [float](#)

The value to be converted.

Returns

[byte](#)

The low-order byte of the value specified by [w](#).

LowByte<TNum>(TNum)

Retrieves the low-order byte from the specified value.

```
public static byte LowByte<TNum>(TNum w) where TNum : INumber<TNum>
```

Parameters

w TNum

The value to be converted.

Returns

[byte](#)

The low-order byte of the value specified by [w](#).

Type Parameters

TNum

The number type.

LowWord(decimal)

Retrieves the low-order word from the specified value.

```
public static ushort LowWord(decimal 1)
```

Parameters

1 [decimal](#)

The value to be converted.

Returns

[ushort](#)

The low-order word of the value specified by 1.

LowWord(double)

Retrieves the low-order word from the specified value.

```
public static ushort LowWord(double 1)
```

Parameters

1 [double](#)

The value to be converted.

Returns

[ushort](#)

The low-order word of the value specified by [1](#).

LowWord(int)

Retrieves the low-order word from the specified value.

```
public static ushort LowWord(int l)
```

Parameters

[l](#) [int](#)

The value to be converted.

Returns

[ushort](#)

The low-order word of the value specified by [1](#).

LowWord(float)

Retrieves the low-order word from the specified value.

```
public static ushort LowWord(float l)
```

Parameters

[l](#) [float](#)

The value to be converted.

Returns

[ushort](#)

The low-order word of the value specified by [1](#).

LowWord<TNum>(TNum)

Retrieves the low-order word from the specified value.

```
public static ushort LowWord<TNum>(TNum l) where TNum : INumber<TNum>
```

Parameters

[1](#) [TNum](#)

The value to be converted.

Returns

[ushort](#)

The low-order word of the value specified by [1](#).

Type Parameters

[TNum](#)

The number type.

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 PIDs 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:

0	Nonexecutable file or an error condition.
LOWORD = NE or PE and HIWORD = Windows version	Windows application.
LOWORD = PE and HIWORD = 0	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".

<i>Windows Vista, Windows Server 2008</i>: 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 StockIcon

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Icon identifiers for the [GetIcon\(StockIcon, StockIconOptions\)](#) function.

```
public enum StockIcon
```

Extension Methods

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

Fields

Application = 2

Generic application with no custom icon.



AudioFiles = 71

An audio file.



AutoList = 49

A virtual folder that contains the results of a search.



ClusteredDrive = 140

A cluster disk array.



Critical = 80

Error.



Delete = 84

A UI item, such as a button, that issues a delete command.



DesktopPC = 94

A desktop computer.



DeviceAudioPlayer = 102

An audio player.



DeviceCamera = 100

A digital camera.



DeviceCellPhone = 99

A cell phone.



DeviceVideoCamera = 101

A digital video camera.



DocumentNoAssociation = 0

Document of a type with no associated application.



DocumentWithAssociation = 1

Document of a type with an associated application.



Drive35 = 6

3.5-inch disk drive.



Drive525 = 5

5.25-inch disk drive.



DriveBD = 133

High definition DVD drive (any type - BD-ROM, BD-R, BD-RE) that uses the Blu-ray Disc format.



DriveCD = 11

CD drive.



DriveDVD = 59

DVD drive.



DriveFixed = 8

Fixed drive (hard disk).



DriveHDDVD = 132

High definition DVD drive (any type - HD DVD-ROM, HD DVD-R, HD-DVD-RAM) that uses the HD DVD format.



DriveNetwork = 9

Network drive (connected).



DriveNetworkDisabled = 10

Network drive (disconnected).



DriveRAM = 12

RAM disk drive.



DriveRemove = 7

Removable drive.



DriveUnknown = 58

Unknown drive type.



Error = 80

Error.



Find = 22

The **Search** feature.



Folder = 3

Folder (generic, unspecified state).



FolderBack = 75

Folder back.



FolderFront = 76

Folder front.



FolderOpen = 4

Folder (open).



Help = 23

The **Help and Support** feature.



ImageFiles = 72

An image file.



Info = 79

Informational.



Information = 79

Informational.



Internet = 104

The **Network and Internet** Control Panel item.



Key = 81

Key.



Link = 29

Overlay for a shortcut.



Lock = 47

Security lock.



MediaAudioDVD = 85

Audio DVD media.



MediaBDR = 138

High definition write-once media in the Blu-ray Disc BD-R format.



MediaBDRE = 139

High definition read/write media in the Blu-ray Disc BD-RE format.



MediaBDROM = 137

High definition DVD-ROM media in the Blu-ray Disc BD-ROM format.



MediaBlankCD = 69

Blank writable CD media.



MediaBluRay = 90

High definition DVD media in the Blu-ray Disc™ format.



MediaCDAudio = 40

Audio CD media.



MediaCDAudioPlus = 65

CD+ (enhanced audio CD) media.



MediaCDBurn = 68

A writable CD in the process of being burned.



MediaCDR = 67

CD-R media.



MediaCDROM = 70

CD-ROM media.



MediaCDRW = 66

CD-RW media.



MediaCompactFlash = 98

CompactFlash media.



MediaDVD = 60

DVD media.



MediaDVDPplusR = 92

DVD+R media.



MediaDVDPplusRW = 93

DVD+RW media.



MediaDVDR = 63

DVD-R media.



MediaDVDRAM = 61

DVD-RAM media.



MediaDVDROM = 64

DVD-ROM media.



MediaDVDRW = 62

DVD-RW media.



MediaEnhancedCD = 87

Enhanced CD media.



MediaHDDVD = 89

High definition DVD media in the HD DVD format.



MediaHDDVDR = 135

High definition DVD-R media in the HD DVD-R format.



MediaHDDVDRAM = 136

High definition DVD-RAM media in the HD DVD-RAM format.



MediaHDDVDROM = 134

High definition DVD-ROM media in the HD DVD-ROM format.



MediaMovieDVD = 86

Movie DVD media.



MediaSVCD = 56

Super Video CD (SVCD) media.



MediaVCD = 91

Video CD (VCD) media.



MixedFiles = 74

A mixed file.



MobilePC = 95

A mobile computer (laptop).

MyNetwork = 17

The **Network** virtual folder.



Network = 17

The **Network** virtual folder.



NetworkConnect = 103

Connect to network.



PrintToFile = 54

A file that receives the output of a **Print to file** operation.



Printer = 16

A local printer or print destination.



PrinterFax = 52

A local fax printer.



PrinterFaxNet = 53

A network fax printer.



PrinterFile = 54

A file that receives the output of a **Print to file** operation.



PrinterNet = 50

A network printer.



RecycleBinEmpty = 31

The Recycle Bin (empty).



RecycleBinFull = 32

The Recycle Bin (not empty).



Recycler = 31

The Recycle Bin (empty).



RecyclerFull = 32

The Recycle Bin (not empty).



Remove = 84

A UI item, such as a button, that issues a delete command.



Rename = 83

A UI item, such as a button, that issues a rename command.



SecurityLock = 47

Security lock.



Server = 15

A computer on the network.



ServerShare = 51

A server shared on a network.



Settings = 106

The **Additional Options** Control Panel item.

Share = 28

Overlay for a shared item.



Shield = 77

Security shield. Use for UAC prompts only.



Shortcut = 29

Overlay for a shortcut.



SlowFile = 30

Overlay for items that are expected to be slow to access.



SmartMedia = 97

Smart media.



Software = 82

Software.



Stack = 55

A category that results from a **Stack by** command to organize the contents of a folder.



StuffedFolder = 57

A folder that contains only subfolders as child items.



UAC = 77

Security shield. Use for UAC prompts only.



UACShield = 77

Security shield. Use for UAC prompts only.



UserAccountControl = 77

Security shield. Use for UAC prompts only.



Users = 96

The **User Accounts** Control Panel item.



VideoFiles = 73

A video file.



Warning = 78

Warning.



World = 13

The entire network.



ZipFile = 105

A compressed file with a **.zip** file name extension.



Class StockIconHelper

Namespace: [FireBlade.WinInteropUtils](#)

Assembly: WinInteropUtils.dll

Allows you to get a shell stock icon. Unlike the built-in .NET [GetStockIcon\(StockIconId, int\)](#) or [GetStockIcon\(StockIconId, StockIconOptions\)](#) functions, this wrapper allows you to enter any icon ID you want.

```
public class StockIconHelper
```

Inheritance

[object](#) ← StockIconHelper

Inherited Members

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

Methods

GetIcon(StockIcon, StockIconOptions)

Gets the icon for the specified value from the [StockIcon](#) enumeration.

```
public static Icon GetIcon(StockIcon icon, StockIconOptions options  
= StockIconOptions.Default)
```

Parameters

icon [StockIcon](#)

The icon to get.

options [StockIconOptions](#)

Additional options for the icon.

Returns

[Icon](#)

The created icon.

Exceptions

[Exception ↗](#)

An error occurred in the [SHGetStockIconInfo](#) WinAPI function.

GetIcon(int, StockIconOptions)

Gets the icon from the specified custom [stockIconId](#).

```
public static Icon GetIcon(int stockIconId, StockIconOptions options  
= StockIconOptions.Default)
```

Parameters

[stockIconId](#) [int ↗](#)

The ID of the stock icon.

[options](#) [StockIconOptions ↗](#)

Additional options for the icon.

Returns

[Icon](#) ↗

The created icon.

Exceptions

[Exception ↗](#)

An error occurred in the [SHGetStockIconInfo](#) WinAPI function.

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

GetParent(nint)

Retrieves a handle to the specified window's parent or owner.

To retrieve a handle to a specified ancestor, use the [GetAncestor](#) function.

```
public static nint GetParent(nint hWnd)
```

Parameters

[hWnd](#) [nint](#)

A handle to the window whose parent window handle is to be retrieved.

Returns

[nint](#)

If the window is a child window, the return value is a handle to the parent window. If the window is a top-level window with the [WS_POPUP](#) style, the return value is a handle to the owner window.

Remarks

If the function fails, the return value is `0`. To get extended error information, call [GetLastPInvokeError\(\)](#).

This function typically fails for one of the following reasons:

- The window is a top-level window that is unowned or does not have the `WS_POPUP` style.
- The owner window has the `WS_POPUP` style.

To obtain a window's owner window, instead of using [GetParent\(nint\)](#), use [GetWindow](#) with the `GW_OWNER` flag. To obtain the parent window and not the owner, instead of using [GetParent\(nint\)](#), use [GetAncestor](#) with the `GA_PARENT` flag.

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](#). To get extended error information, call [GetLastPInvokeError\(\)](#).

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 `<xref href="System.Runtime.InteropServices.Marshal.GetLastPInvokeError" data-throw-if-not-resolved="false"></xref>`.

If `<xref href="FireBlade.WinInteropUtils.User32.SetWindowLongPtr(System.IntPtr%2cSystem.Int32%2cSystem.IntPtr)" data-throw-if-not-resolved="false"></xref>` has not been called previously, `<xref href="FireBlade.WinInteropUtils.User32.GetWindowLongPtr(System.IntPtr%2cSystem.Int32)" 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 true and the function successfully converts the thread to a GUI thread.</p>

Otherwise, the **function** returns zero.

If <code class="paramref">bConvert</code> is true and the **function** cannot successfully convert the thread **to** a GUI thread, **IsGUIThread** returns **ERROR_NOT_ENOUGH_MEMORY**.

PostMessage(nint, uint, nuint, nint)

Places (posts) a message in the message queue associated with the thread that created the specified window and returns without waiting for the thread to process the message.

```
public static bool PostMessage(nint hWnd, uint uMsg, nuint wParam, nint lParam)
```

Parameters

hWnd [nint](#)

A handle to the window whose window procedure is to receive the message.

Starting with Windows Vista, message posting is subject to UIPI. The thread of a process can post messages only to message queues of threads in processes of lesser or equal integrity level.

uMsg [uint](#)

The message to be posted.

For lists of the system-provided messages, see [System-Defined Messages](#).

wParam [nuint](#)

Additional message-specific information.

lParam [nint](#)

Additional message-specific information.

Returns

[bool](#)

[true](#) if successful; otherwise, [false](#).

Examples

The following example shows how to post a private window message using the [PostMessage\(nint, uint, nuint, nint\)](#) function. Assume you defined a private window message called [WM_COMPLETE](#):

```
private const int WM_USER = 0x0400;
private const int WM_COMPLETE = WM_USER + 0;
```

You can post a message to the message queue associated with the thread that created the specified window as shown below:

```
var time = DateTime.Now;
User32.PostMessage(Handle, WM_COMPLETE, 0, (nint)time.ToFileTimeUtc());
```

Remarks

The following values have special meanings for the [hWnd](#) parameter:

HWND_BROADCAST	The message is posted to all top-level windows in the system, including disabled or invisible unowned windows, overlapped windows, and pop-up windows. The message is not posted to child windows. (0xffff)
0	The function behaves like a call to PostThreadMessage with the dwThreadId parameter set to the identifier of the current thread.

If the function fails, call [GetLastPInvokeError\(\)](#) to get extended error information.

When a message is blocked by UIPI the last error is set to 5 (access denied).

Messages in a message queue are retrieved by calls to the [GetMessage](#) or [PeekMessage](#) function.

Applications that need to communicate using [HWND_BROADCAST](#) should use the [RegisterWindowMessage\(string\)](#) 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 $\geq WM_USER$) to another process, you must do custom marshalling.

If you send a message in the range below `WM_USER` to the asynchronous message functions ([PostMessage\(nint, uint, nuint, nint\)](#), `SendNotifyMessage`, and `SendMessageCallback`), its message parameters cannot include pointers. Otherwise, the operation will fail. The functions will return before the receiving thread has had a chance to process the message and the sender will free the memory before it is used.

Do not post the `WM_QUIT` message using [PostMessage\(nint, uint, nuint, nint\)](#); use the `PostQuitMessage` function.

An accessibility application can use [PostMessage\(nint, uint, nuint, nint\)](#) to post `WM_APPCOMMAND` messages to the shell to launch applications. This functionality is not guaranteed to work for other types of applications.

There is a limit of 10,000 posted messages per message queue. This limit should be sufficiently large. If your application exceeds the limit, it should be redesigned to avoid consuming so many system resources. To adjust this limit, modify the following registry key:

```
HKEY_LOCAL_MACHINE  
  SOFTWARE  
    Microsoft  
      Windows NT  
        CurrentVersion  
          Windows  
            USERPostMessageLimit
```

If the function fails, call [GetLastPInvokeError\(\)](#) to get extended error information. [GetLastPInvokeError\(\)](#) returns [ERROR NOT ENOUGH QUOTA](#) when the limit is hit.

The minimum acceptable value is 4000.

RegisterWindowMessage(string)

Defines a new window message that is guaranteed to be unique throughout the system. The message value can be used when sending or posting messages.

```
public static uint RegisterWindowMessage(string msg)
```

Parameters

`msg` [string](#)

The message to be registered.

Returns

[uint](#)

If the message is successfully registered, the return value is a message identifier in the range `0xC000` through `0xFFFF`.

If the function fails, the return value is zero. To get extended error information, call [GetLastPInvokeError\(\)](#).

`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, nuint 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 SMT_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.

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](#) with `false`.

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 [FireBlade.WinInteropUtils.User32.SetWindowLongPtr\(System.IntPtr%2cSystem.Int32%2cSystem.IntPtr\)](#). Function failure will be

indicated by a return value of zero and a <xref href="System.Runtime.InteropServices.Marshal.GetLastPInvokeError" data-throw-if-not-resolved="false"></xref> result that is nonzero.

Remarks

Certain window data is cached, so changes you make using [SetWindowLongPtr\(nint, int, nint\)](#) will not take effect until you call the [SetWindowPos](#) function.

If you use [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\(nint, int, nint\)](#) 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\(nint, int, nint\)](#) 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\(nint, int, nint\)](#) 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\(nint, int, nint\)](#) 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\(nint, int, nint\)](#) 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_POS_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:

S_OK	An instance of the specified object class was successfully created.
REGDB_E_CLASSNO_TREG	A specified class is not registered in the registration database. Also can indicate that the type of server you requested in the COM.CreateInstanceContext enumeration is not registered or the values for the server types in the registry are corrupt.
CLASS_E_NOAGGR_EGATION	This class cannot be created as part of an aggregate.
E_NOINTERFACE	The specified class does not implement the requested interface, or the controlling IUnknown does not expose the requested interface.
E_POINTER	The <code>ppv</code> parameter is null .

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:

S_OK	The COM library was initialized successfully on this thread.
S_FALSE	The COM library is already initialized on this thread.
RPC_E_CHANGE_D_MODE	A previous call to Initialize(COMInitOptions) 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:

E_UNEXPECTED	SetFileTypes(uint, nint) has already been called.
E_UNEXPECTED	The FOS_PICKFOLDERS flag was set in the SetOptions(uint) method.
E_INVALIDARG	The <code>rgFilterSpec</code> parameter is null .

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

[ColorPickerDialog](#)

Represents a dialog that allows the user to pick a color.

[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

[ColorPickerDialogFullOpenMode](#)

Defines how a [ColorPickerDialog](#) handles opening the full custom color picker.

[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.

Delegates

[ColorDialogHookProc](#)

Defines the hook procedure for a [ColorPickerDialog](#).

Delegate ColorDialogHookProc

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

Defines the hook procedure for a [ColorPickerDialog](#).

```
public delegate nuint ColorDialogHookProc(nint hDlg, uint uMsg, nuint wParam, nint lParam)
```

Parameters

hDlg [nint](#)

A handle to the Color dialog box for which the message is intended.

uMsg [uint](#)

The identifier of the message being received.

wParam [nuint](#)

Additional information about the message. The exact meaning depends on the value of **uMsg**.

lParam [nint](#)

Additional information about the message. The exact meaning depends on the value of **uMsg**.

Returns

[nuint](#)

If the hook procedure returns zero, the default dialog box procedure processes the message.

If the hook procedure returns a nonzero value, the default dialog box procedure ignores the message.

Remarks

If the **uMsg** parameter indicates the WM_INITDIALOG message, then **lParam** is a garbage collector handle pointing to the instance of the [ColorPickerDialog](#) class. To get the instance, call the [FromIntPtr\(nint\)](#) function and pass in the given **lParam**.

Class ColorPickerDialog

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

Represents a dialog that allows the user to pick a color.

```
public class ColorPickerDialog : DialogWindow<Color?, ColorPickerDialog>
```

Inheritance

[object](#) ← [DialogWindow<Color?, ColorPickerDialog>](#) ← [ColorPickerDialog](#)

Inherited Members

[DialogWindow<Color?, ColorPickerDialog>.WM_INITDIALOG](#) ,
[DialogWindow<Color?, ColorPickerDialog>.PackFlags\(Dictionary<int, bool>\)](#) ,
[DialogWindow<Color?, ColorPickerDialog>.Show\(\)](#) ,
[DialogWindow<Color?, ColorPickerDialog>.Show\(nint\)](#) ,
[DialogWindow<Color?, ColorPickerDialog>.Show\(ColorPickerDialog\)](#) ,
[DialogWindow<Color?, ColorPickerDialog>.Show\(ColorPickerDialog, nint\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Properties

AnyColor

If [true](#), causes the dialog box to display all available colors in the set of basic colors.

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

Property Value

[bool](#)

CustomColors

Represents the collection of custom colors.

```
public Color[] CustomColors { get; set; }
```

Property Value

[Color](#)[]

Remarks

When the [Show\(\)](#) or [Show\(nint\)](#) functions return, this property will contain the custom colors set by the user. You can store this array to persist the custom colors between sessions. The array has a capacity of 16.

DefaultColor

Specifies the default color chosen in the dialog.

```
public Color? DefaultColor { get; set; }
```

Property Value

[Color](#)?

FullOpenMode

Specifies how the dialog handles opening the full custom color picker.

```
public ColorPickerDialogFullOpenMode FullOpenMode { get; set; }
```

Property Value

[ColorPickerDialogFullOpenMode](#)

HookProcedure

Specifies the dialog hook procedure when [UseHookProc](#) is equal to [true](#).

```
public ColorDialogHookProc? HookProcedure { get; set; }
```

Property Value

[ColorDialogHookProc](#)

ShowHelp

Indicates whether to show the **Help** button.

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

Property Value

[bool](#)

Remarks

To implement help, set the [ShowHelp](#) property to [true](#), and call [RegisterWindowMessage\(string\)](#), passing in the string `commdlg_help`. Then, store the value returned by the function and check for it in your window procedure.

SolidColorsOnly

If [true](#), causes the dialog box to display only solid colors in the set of basic colors.

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

Property Value

[bool](#)

UseHookProc

Gets or sets a value indicating whether to use the hook procedure defined in [HookProcedure](#).

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

Property Value

[bool](#)

Methods

Show()

Shows the color dialog modelessly.

```
public override Color? Show()
```

Returns

[Color](#)?

The chosen [Color](#), or [null](#) if the user cancelled the dialog.

Show(ColorPickerDialog)

Shows the [ColorPickerDialog](#).

```
public static Color? Show(ColorPickerDialog dlg)
```

Parameters

dlg [ColorPickerDialog](#)

The [ColorPickerDialog](#) to show.

Returns

[Color](#)?

The result of the dialog.

Show(ColorPickerDialog, nint)

Shows the [ColorPickerDialog](#) modally.

```
public static Color? Show(ColorPickerDialog dlg, nint hwnd)
```

Parameters

dlg [ColorPickerDialog](#)

The [ColorPickerDialog](#) to show.

hwnd [nint](#)

The owner window handle.

Returns

[Color](#)?

The result of the dialog.

Show(Color)

Shows the color dialog modelessly.

```
public static Color? Show(Color defaultColor)
```

Parameters

defaultColor [Color](#)

The default color.

Returns

[Color](#)?

The chosen color.

Remarks

For more customization, create an instance of the [ColorPickerDialog](#) class.

Show(Color, Color[])

Shows the color dialog modelessly.

```
public static Color? Show(Color defaultColor, Color[] customColors)
```

Parameters

defaultColor [Color](#)?

The default color.

customColors [Color](#)[]

The array of custom colors in the dialog.

Returns

[Color](#)?

The chosen color.

Remarks

For more customization, create an instance of the [ColorPickerDialog](#) class.

Show(nint)

Shows the color dialog modally.

```
public override Color? Show(nint hwnd)
```

Parameters

hwnd [nint](#)?

Returns

[Color](#)?

The chosen [Color](#), or [null](#) if the user cancelled the dialog.

Show(nint, Color)

Shows the color dialog modally.

```
public static Color? Show(nint hwnd, Color defaultColor)
```

Parameters

hwnd [nint](#)

The owner window handle.

defaultColor [Color](#)

The default color.

Returns

[Color](#)?

The chosen color.

Remarks

For more customization, create an instance of the [ColorPickerDialog](#) class.

Show(nint, Color, Color[])

Shows the color dialog modally.

```
public static Color? Show(nint hwnd, Color defaultColor, Color[] customColors)
```

Parameters

hwnd [nint](#)

The owner window handle.

defaultColor [Color](#)

The default color.

customColors [Color](#)[]

The array of custom colors in the dialog.

Returns

[Color](#)?

The chosen color.

Remarks

For more customization, create an instance of the [ColorPickerDialog](#) class.

Enum ColorPickerDialogFullOpenMode

Namespace: [FireBlade.WinInteropUtils.Dialogs](#)

Assembly: WinInteropUtils.dll

Defines how a [ColorPickerDialog](#) handles opening the full custom color picker.

```
public enum ColorPickerDialogFullOpenMode
```

Extension Methods

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

Fields

Disabled = 4

The **Define Custom Colors** button is disabled - the user can only pick basic colors.

Enabled = 0

The **Define Custom Colors** button is enabled, but the full color picker is not opened.

Opened = 2

The full custom color picker is opened.

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

[ColorPickerDialog](#), [Win32MessageBox](#)

Inherited Members

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

Fields

WM_INITDIALOG

The message sent to a dialog's hook procedure when it initializes.

```
protected const int WM_INITDIALOG = 272
```

Field Value

Methods

PackFlags(Dictionary<int, bool>)

Packs the specified flags for use in a dialog's struct's `dwFlags` or `Flags` member.

```
protected int PackFlags(Dictionary<int, bool> flags)
```

Parameters

`flags` [Dictionary](#)<[int](#), [bool](#)>

The dictionary of flags to pack. The key indicates the value of the flag, and the value indicates whether to pack the flag.

Returns

[int](#)

The packed flags, or `0` if no flags were marked as packable.

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 overridden in a derived 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.WinFormsUtils.WinForms

Classes

[FlagsEnumEditor](#)

Provides a type editor for enumerations with the [FlagsAttribute](#).

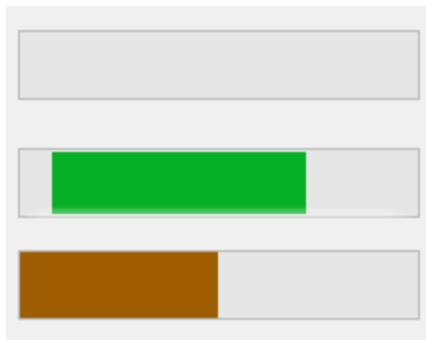
[HotKeyBox](#)

Represents a control that allows the user to enter a combination of keystrokes to be used as a hot key.



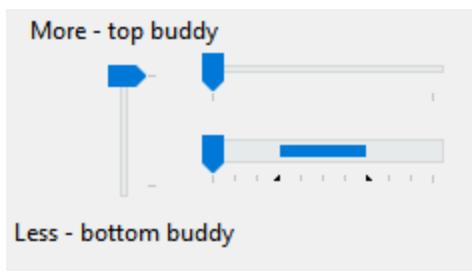
[ProgressBarEx](#)

Represents a Win32 progress bar control.



[Slider](#)

Represents a control that allows the user to slide a slider along a track, commonly referred to as a track bar.



[SliderActionList](#)

[SliderDesigner](#)

[SliderScrollEventArgs](#)

Provides event arguments for the [HorizontalScroll](#) and [VerticalScroll](#) events.

[SliderValueChangingEventArgs](#)

Defines event arguments for the [ValueChanging](#) event.

Enums

[HotKeyBoxModifiers](#)

Specifies the modifier keys in a [HotKeyBox](#).

[HotKeyBoxRules](#)

Specifies the invalid modifiers for a [HotKeyBox](#).

[HyperLinkLinkState](#)

Describes the state(s) of a FireBlade.WinInteropUtils.WinForms.Link.

[ProgressBarExStyle](#)

Specifies the style of a [ProgressBarEx](#) control.

[ProgressBarExType](#)

Specifies the [Type](#) of a [ProgressBarEx](#).

[SliderTickMode](#)

Specifies the type of ticks to use on a [Slider](#).

[SliderToolTipSide](#)

Specifies the side where the tooltip is located on a [Slider](#).

[SliderValueChangeReason](#)

Specifies the reason that a [Slider](#)'s value may be changing.

Class FlagsEnumEditor

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Provides a type editor for enumerations with the [FlagsAttribute](#).

```
public class FlagsEnumEditor : UITypeEditor
```

Inheritance

[object](#) ← [UITypeEditor](#) ← FlagsEnumEditor

Inherited Members

[UITypeEditor.EditValue\(IServiceProvider, object\)](#) , [UITypeEditor.GetEditStyle\(\)](#) ,
[UITypeEditor.GetPaintValueSupported\(\)](#) ,
[UITypeEditor.GetPaintValueSupported\(ITypeDescriptorContext\)](#) ,
[UITypeEditor.PaintValue\(object, Graphics, Rectangle\)](#) , [UITypeEditor.PaintValue\(PaintValueEventArgs\)](#) ,
[UITypeEditor.IsDropDownResizable](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Methods

EditValue(ITypeDescriptorContext?, IServiceProvider?, object?)

Edits the specified object's value using the editor style indicated by the [GetEditStyle\(\)](#) method.

```
public override object? EditValue(ITypeDescriptorContext? context, IServiceProvider? provider, object? value)
```

Parameters

context [ITypeDescriptorContext](#)

An [ITypeDescriptorContext](#) that can be used to gain additional context information.

provider [IServiceProvider](#)

An [IServiceProvider](#) that this editor can use to obtain services.

value [object](#)

The object to edit.

Returns

[object](#)

The new value of the object. If the value of the object has not changed, this should return the same object it was passed.

GetEditStyle(ITypeDescriptorContext?)

Gets the editor style used by the [EditValue\(IServiceProvider, object\)](#) method.

```
public override UITypeEditorEditStyle GetEditStyle(ITypeDescriptorContext? context)
```

Parameters

context [ITypeDescriptorContext](#)

An [ITypeDescriptorContext](#) that can be used to gain additional context information.

Returns

[UITypeEditorEditStyle](#)

A [UITypeEditorEditStyle](#) value that indicates the style of editor used by the [EditValue\(IServiceProvider, object\)](#) method. If the [UITypeEditor](#) does not support this method, then [GetEditStyle\(\)](#) will return [None](#).

Class HotKeyBox

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Represents a control that allows the user to enter a combination of keystrokes to be used as a hot key.



```
public class HotKeyBox : Control, IDropTarget, ISynchronizeInvoke, IWin32Window,  
IBindableComponent, IComponent, IDisposable
```

Inheritance

[object](#) ← [MarshalByRefObject](#) ← [Component](#) ← [Control](#) ← HotKeyBox

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.OnImeModeChanged\(EventArgs\)](#) ,
[Control.AccessibilityObject](#) , [Control.AccessibleDefaultActionDescription](#) ,
[Control.AccessibleDescription](#) , [Control.AccessibleName](#) , [Control.AccessibleRole](#) ,
[Control.AllowDrop](#) , [Control.Anchor](#) , [Control.AutoScrollOffset](#) , [Control.LayoutEngine](#) ,
[Control.DataContext](#) , [Control.BackColor](#) , [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.ForeColor](#) , [Control.Handle](#) , [Control.HasChildren](#) , [Control.Height](#) ,
[Control.IsHandleCreated](#) , [Control.InvokeRequired](#) , [Control.IsAccessible](#) ,
[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

HotKeyBox()

```
public HotKeyBox()
```

Properties

CreateParams

Gets the required creation parameters when the control handle is created.

```
protected override CreateParams CreateParams { get; }
```

Property Value

[CreateParams](#)

A [CreateParams](#) that contains the required creation parameters when the handle to the control is created.

FallbackValue

Gets or sets the modifiers that the control should fall back to when the user inputs an invalid key combination.

```
public HotKeyBoxModifiers FallbackValue { get; set; }
```

Property Value

[HotKeyBoxModifiers](#)

Remarks

When a user enters an invalid key combination, as defined by rules specified in [Rules](#), the system uses the bitwise-OR operator to combine the keys entered by the user with the flags specified in [Fallback Value](#). The resulting key combination is converted into a string and then displayed in the hot key control.

IsExKey

Gets or sets a value indicating whether the control is using the extended key.

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

Property Value

[bool](#)

Keys

Gets or sets the keys currently in the hot key box.

```
public Keys Keys { get; set; }
```

Property Value

[Keys](#)

Rules

Gets or sets the invalid modifiers for a hot key control.

```
public HotKeyBoxRules Rules { get; set; }
```

Property Value

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.

WndProc(ref Message)

Processes Windows messages.

```
protected override void WndProc(ref Message m)
```

Parameters

m [Message](#)

The Windows [Message](#) to process.

Events

HotKeyChanged

Fires when the hot key in the control changes.

```
public event EventHandler? HotKeyChanged
```

Event Type

[EventHandler](#)

Enum HotKeyBoxModifiers

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Specifies the modifier keys in a [HotKeyBox](#).

```
[Flags]
public enum HotKeyBoxModifiers
```

Extension Methods

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

Fields

Alt = 4

The Alt key.

Control = 2

The Ctrl key.

Ctrl = 2

The Ctrl key.

Extended = 8

The extended key.

None = 0

No modifiers.

Shift = 1

The Shift key.

Enum HotKeyBoxRules

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Specifies the invalid modifiers for a [HotKeyBox](#).

```
[Flags]
public enum HotKeyBoxRules
```

Extension Methods

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

Fields

Alt = 8

The Alt modifier is invalid.

Control = 4

The Ctrl modifier is invalid.

Ctrl = 4

The Ctrl modifier is invalid.

CtrlAlt = 64

The combination of the Ctrl and Alt modifiers are invalid.

None = 1

All modifiers are allowed.

Shift = 2

The Shift modifier is invalid.

ShiftAlt = 32

The combination of the Shift and Alt modifiers are invalid.

ShiftCtrl = 16

The combination of the Shift and Ctrl modifiers are invalid.

ShiftCtrlAlt = 128

The combination of the Shift, Ctrl, and Alt modifiers are invalid.

Enum HyperLinkLinkState

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Describes the state(s) of a FireBlade.WinInteropUtils.WinForms.Link.

```
[Flags]
public enum HyperLinkLinkState
```

Extension Methods

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

Fields

DefaultColors = 16

Enable custom text colors to be used.

Enabled = 2

The link can respond to user input. This is the default unless the entire control is disabled. In this case, all links are disabled.

Focused = 1

The link has the keyboard focus. Pressing ENTER fires the FireBlade.WinInteropUtils.WinForms.HyperLink.LinkClicked event.

HotTrack = 8

Indicates that the [HyperLink](#) control will highlight in a different color ([Highlight](#)) when the mouse hovers over the control.

Visited = 4

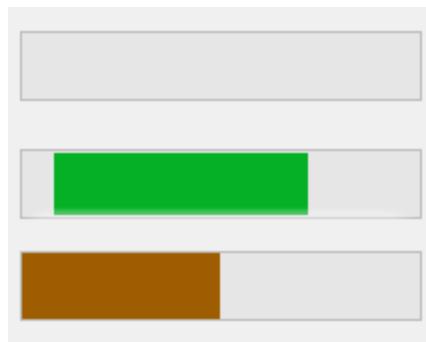
The link has been visited by the user. Changing the URL to one that has not been visited causes this flag to be cleared.

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.GetAutoSize\(\)](#), [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.CreateControlsInstance\(\)](#), [Control.CreateGraphics\(\)](#), [Control.CreateHandle\(\)](#),
[Control.CreateControl\(\)](#), [Control.DefWndProc\(ref Message\)](#), [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.OnMouseClick\(MouseEventArgs\)](#) ,
[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\(Control, bool, bool, bool\)](#) , [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; }
```

Property Value

[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; }
```

Property Value

[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; }
```

Property Value

[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**

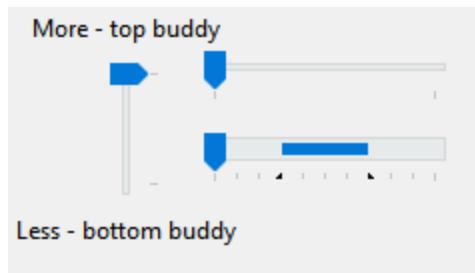
This style is supported only in the **Windows Classic** theme. All other themes override this style.

Class Slider

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Represents a control that allows the user to slide a slider along a track, commonly referred to as a track bar.



```
public class Slider : Control, IDropTarget, ISynchronizeInvoke, IWin32Window,  
IBindableComponent, IComponent, IDisposable
```

Inheritance

[object](#) ← [MarshalByRefObject](#) ← [Component](#) ← [Control](#) ← Slider

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.CreateControlsInstance\(\)](#), [Control.CreateGraphics\(\)](#), [Control.CreateHandle\(\)](#),
[Control.CreateControl\(\)](#), [Control.DefWndProc\(ref Message\)](#), [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.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.OnMouseClick\(MouseEventArgs\)](#) ,
[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\(Control, bool, bool, bool\)](#) , [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.OnImeModeChanged\(EventArgs\)](#) ,

[Control.AccessibilityObject](#) , [Control.AccessibleDefaultActionDescription](#) ,
[Control.AccessibleDescription](#) , [Control.AccessibleName](#) , [Control.AccessibleRole](#) ,
[Control.AllowDrop](#) , [Control.Anchor](#) , [Control.AutoScrollOffset](#) , [Control.LayoutEngine](#) ,
[Control.DataContext](#) , [Control.BackColor](#) , [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.ForeColor](#) , [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

Slider()

```
public Slider()
```

Properties

CreateParams

Gets the required creation parameters when the control handle is created.

```
protected override CreateParams CreateParams { get; }
```

Property Value

[CreateParams](#)

A [CreateParams](#) that contains the required creation parameters when the handle to the control is created.

FixedLength

Gets or sets a value indicating whether the length of the slider thumb can be overridden via the [Thumb Length](#) property.

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

Property Value

[bool](#)

IsThumbVisible

Gets or sets whether the slider thumb is visible.

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

Property Value

[bool](#)

LargeChange

Gets or sets the amount of ticks that the slider will move when a large change occurs, such as moving the slider with the [PageUp/PageDown](#) keys.

```
public int LargeChange { get; set; }
```

Property Value

[int](#)

Remarks

Also commonly referred to as the "page size".

LeftBuddy

Gets or sets the buddy to the left of the slider if the slider is horizontal, or above the slider if the slider is vertical.

```
public Control? LeftBuddy { get; set; }
```

Property Value

[Control](#)

Exceptions

[ArgumentException](#)

The buddy can't be set to a Form.

[ArgumentException](#)

The buddy can't be set to the same Slider that the buddy is being set on.

Maximum

Gets or sets the maximum value the slider can represent.

```
public int Maximum { get; set; }
```

Property Value

[int](#)

Minimum

Gets or sets the minimum value the slider can represent.

```
public int Minimum { get; set; }
```

Property Value

[int](#)

Orientation

Gets or sets the orientation of the slider.

```
public Orientation Orientation { get; set; }
```

Property Value

[Orientation](#)

ReverseInput

Gets or sets whether input is reversed.

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

Property Value

[bool](#)

Remarks

By default, the control uses down equal to right and up equal to left. Enable to reverse the default, making down equal left and up equal right.

Reversed

Gets or sets whether the slider is reversed, where smaller numbers mean higher and larger numbers mean lower.

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

Property Value

[bool](#)

RightBuddy

Gets or sets the buddy to the right of the slider if the slider is horizontal, or below the slider if the slider is vertical.

```
public Control? RightBuddy { get; set; }
```

Property Value

[Control](#)

Exceptions

[ArgumentException](#)

The buddy can't be set to a Form.

[ArgumentException](#)

The buddy can't be set to the same Slider that the buddy is being set on.

SelectionRangeEnd

Gets or sets the end of the slider's selection range.

```
public int SelectionRangeEnd { get; set; }
```

Property Value

[int](#)

Remarks

The slider's selection range does not affect its functionality in any way. It is up to the application to implement the range. You might do this in one of the following ways:

- Use a selection range to enable the user to set maximum and minimum values for some parameter. For example, the user could move the slider to a position and then click a button labeled "Max". The application then sets the selection range to show the values chosen by the user.
- Limit the movement of the slider to a predetermined subrange within the control, by handling the [ValueChanging](#) event and disallowing any movement outside the selection range. You might do this,

for example, if the range of values available to the user can change because of other choices the user has made, or according to available resources.

SelectionRangeStart

Gets or sets the start of the slider's selection range.

```
public int SelectionRangeStart { get; set; }
```

Property Value

[int](#)

Remarks

The slider's selection range does not affect its functionality in any way. It is up to the application to implement the range. You might do this in one of the following ways:

- Use a selection range to enable the user to set maximum and minimum values for some parameter. For example, the user could move the slider to a position and then click a button labeled "Max". The application then sets the selection range to show the values chosen by the user.
- Limit the movement of the slider to a predetermined subrange within the control, by handling the [ValueChanging](#) event and disallowing any movement outside the selection range. You might do this, for example, if the range of values available to the user can change because of other choices the user has made, or according to available resources.

ShowSelectionRange

Gets or sets a value indicating whether the slider's selection range should be shown.

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

Property Value

[bool](#)

Remarks

The slider's selection range does not affect its functionality in any way. It is up to the application to implement the range. You might do this in one of the following ways:

- Use a selection range to enable the user to set maximum and minimum values for some parameter. For example, the user could move the slider to a position and then click a button labeled "Max". The application then sets the selection range to show the values chosen by the user.
- Limit the movement of the slider to a predetermined subrange within the control, by handling the [ValueChanging](#) event and disallowing any movement outside the selection range. You might do this, for example, if the range of values available to the user can change because of other choices the user has made, or according to available resources.

ShowToolTip

Gets or sets a value indicating whether to show a tooltip showing the value of the slider.

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

Property Value

[bool](#)

SmallChange

Gets or sets the amount of ticks that the slider will move when a small change occurs, such as moving the slider with the arrow keys.

```
public int SmallChange { get; set; }
```

Property Value

[int](#)

Remarks

Also commonly referred to as the "line size".

ThumbLength

Gets or sets the length of the thumb in pixels. Only applies when [FixedLength](#) is set to [true](#).

```
public int ThumbLength { get; set; }
```

Property Value

[int](#)

ThumbRect

Gets the size and position of the bounding rectangle for the slider.

```
public Rectangle ThumbRect { get; }
```

Property Value

[Rectangle](#)

TickFrequency

Gets or sets the frequency of ticks on the slider. Only applies when [TickMode](#) is [Custom](#).

```
public int TickFrequency { get; set; }
```

Property Value

[int](#)

TickMode

Specifies the types of ticks displayed on the slider.

```
public SliderTickMode TickMode { get; set; }
```

Property Value

SliderTickMode

TickStyle

Gets or sets the position of ticks in the slider.

```
public TickStyle TickStyle { get; set; }
```

Property Value

[TickStyle](#)

ToolTipSide

Gets or sets the side where the tooltip should be displayed.

```
public SliderToolTipSide ToolTipSide { get; set; }
```

Property Value

[SliderToolTipSide](#)

Value

Gets or sets the currently selected value of the slider.

```
public int Value { get; set; }
```

Property Value

[int](#)

Methods

AddTick(int)

Adds a tick to the [Slider](#) at the specified position.

```
public void AddTick(int pos)
```

Parameters

pos [int](#)

The position of the tick.

ClearSelectionRange()

Clears the slider's selection range and redraws the control.

```
public void ClearSelectionRange()
```

ClearSelectionRange(bool)

Clears the slider's selection range and optionally redraws the control.

```
public void ClearSelectionRange(bool redraw)
```

Parameters

redraw [bool](#)

Whether to redraw the control.

ClearTicks()

Removes the current tick marks from the slider. This message does not remove the first and last tick marks, which are created automatically by the slider.

```
public void ClearTicks()
```

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.

GetTickCount()

Retrieves the number of tick marks in a slider.

```
public int? GetTickCount()
```

Returns

[int](#)?

If [TickMode](#) isn't set to [Custom](#), returns 2 for the beginning and ending ticks. If it's set to [None](#), returns zero. Otherwise, it takes the difference between the range minimum and maximum, divides by the tick frequency, and adds 2.

Remarks

The [GetTickCount\(\)](#) method counts all of the tick marks, including the first and last tick marks created by the slider.

GetTickPosition(int)

Retrieves the logical position of a tick mark in a slider. The logical position can be any of the integer values in the slider's range of minimum to maximum slider positions.

```
public int GetTickPosition(int idx)
```

Parameters

`idx` [int](#)

Zero-based index identifying a tick mark. Valid indexes are in the range from zero to two less than the tick count returned by the [GetTickCount\(\)](#) method.

Returns

[int](#)

The logical position of the specified tick mark, or -1 if `idx` does not specify a valid index, or the handle of the slider hasn't been created.

GetTickPositions()

Retrieves an array that contains the positions of the tick marks for a slider.

`public uint[]? GetTickPositions()`

Returns

[uint](#)[]

An [uint](#) array. The elements of the array specify the logical positions of the slider's tick marks, not including the first and last tick marks created by the slider. The logical positions can be any of the integer values in the slider's range of minimum to maximum slider positions.

Remarks

The number of elements in the array is two less than the tick count returned by the [GetTickCount\(\)](#) method. Note that the values in the array may include duplicate positions and may not be in sequential order. The returned array is valid until you change the slider's tick marks.

OnBackColorChanged(EventArgs)

Raises the [BackColorChanged](#) event.

`protected override void OnBackColorChanged(EventArgs e)`

Parameters

e [EventArgs](#)

An [EventArgs](#) that contains the event data.

OnHandleCreated(EventArgs)

Raises the [HandleCreated](#) event.

```
protected override void OnHandleCreated(EventArgs e)
```

Parameters

e [EventArgs](#)

An [EventArgs](#) that contains the event data.

WndProc(ref Message)

Processes Windows messages.

```
protected override void WndProc(ref Message m)
```

Parameters

m [Message](#)

The Windows [Message](#) to process.

Events

HorizontalScroll

Fires when the slider scrolls horizontally.

```
public event EventHandler<SliderScrollEventArgs>? HorizontalScroll
```

Event Type

[EventHandler](#) <[SliderScrollEventArgs](#)>

ValueChanging

Fires before the slider's value changes and allows validation.

```
public event EventHandler<SliderValueChangingEventArgs>? ValueChanging
```

Event Type

[EventHandler](#) <[SliderValueChangingEventArgs](#)>

VerticalScroll

Fires when the slider scrolls vertically.

```
public event EventHandler<SliderScrollEventArgs>? VerticalScroll
```

Event Type

[EventHandler](#) <[SliderScrollEventArgs](#)>

Class SliderActionList

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

```
public class SliderActionList : DesignerActionList
```

Inheritance

[object](#) ← [DesignerActionList](#) ← SliderActionList

Inherited Members

[DesignerActionList.GetService\(Type\)](#) , [DesignerActionList.AutoShow](#) ,
[DesignerActionList.Component](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

SliderActionList(IComponent?)

```
public SliderActionList(IComponent? comp)
```

Parameters

comp [IComponent](#)

Methods

ClearSelectionRange()

```
public void ClearSelectionRange()
```

GetSortedActionItems()

Returns the collection of [DesignerActionItem](#) objects contained in the list.

```
public override DesignerActionItemCollection GetSortedActionItems()
```

Returns

[DesignerActionItemCollection](#)

A [DesignerActionItem](#) array that contains the items in this list.

Class SliderDesigner

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

```
public class SliderDesigner : ControlDesigner, ITreeDesigner, IDesigner, IDisposable,  
IDesignerFilter, IComponentInitializer
```

Inheritance

[object](#) ← [ComponentDesigner](#) ← [ControlDesigner](#) ← SliderDesigner

Implements

[ITreeDesigner](#), [IDesigner](#), [IDisposable](#), [IDesignerFilter](#), [IComponentInitializer](#)

Inherited Members

[ControlDesigner.InvalidPoint](#), [ControlDesigner.accessibilityObj](#),
[ControlDesigner.NumberOfInternalControlDesigners\(\)](#),
[ControlDesigner.InternalControlDesigner\(int\)](#), [ControlDesigner.BaseWndProc\(ref Message\)](#),
[ControlDesigner.CanBeParentedTo\(IDesigner\)](#), [ControlDesigner.DefWndProc\(ref Message\)](#),
[ControlDesigner.DisplayError\(Exception\)](#), [ControlDesigner.Dispose\(bool\)](#),
[ControlDesigner.EnableDesignMode\(Control, string\)](#), [ControlDesigner.EnableDragDrop\(bool\)](#),
[ControlDesigner.GetControlGlyph\(GlyphSelectionType\)](#),
[ControlDesigner.GetGlyphs\(GlyphSelectionType\)](#), [ControlDesigner.GetHitTest\(Point\)](#),
[ControlDesigner.HookChildControls\(Control\)](#), [ControlDesigner.Initialize\(IComponent\)](#),
[ControlDesigner.InitializeExistingComponent\(IDictionary\)](#),
[ControlDesigner.InitializeNewComponent\(IDictionary\)](#), [ControlDesigner.OnSetComponentDefaults\(\)](#),
[ControlDesigner.OnContextMenu\(int, int\)](#), [ControlDesigner.OnCreateHandle\(\)](#),
[ControlDesigner.OnDragEnter\(DragEventArgs\)](#), [ControlDesigner.OnDragComplete\(DragEventArgs\)](#),
[ControlDesigner.OnDragDrop\(DragEventArgs\)](#), [ControlDesigner.OnDragLeave\(EventArgs\)](#),
[ControlDesigner.OnDragOver\(DragEventArgs\)](#),
[ControlDesigner.OnGiveFeedback\(GiveFeedbackEventArgs\)](#),
[ControlDesigner.OnMouseDragBegin\(int, int\)](#), [ControlDesigner.OnMouseDragEnd\(bool\)](#),
[ControlDesigner.OnMouseDragMove\(int, int\)](#), [ControlDesigner.OnMouseEnter\(\)](#),
[ControlDesigner.OnMouseHover\(\)](#), [ControlDesigner.OnMouseLeave\(\)](#),
[ControlDesigner.OnPaintAdornments\(PaintEventArgs\)](#), [ControlDesigner.OnSetCursor\(\)](#),
[ControlDesigner.PreFilterProperties\(IDictionary\)](#), [ControlDesigner.UnhookChildControls\(Control\)](#),
[ControlDesigner.WndProc\(ref Message\)](#), [ControlDesigner.BehaviorService](#),
[ControlDesigner.AssociatedComponents](#), [ControlDesigner.AccessibilityObject](#),
[ControlDesigner.Control](#), [ControlDesigner.EnableDragRect](#), [ControlDesigner.ParentComponent](#),

[ControlDesigner.ParticipatesWithSnapLines](#) , [ControlDesigner.AutoResizeHandles](#) ,
[ControlDesigner.SnapLines](#) , [ControlDesigner.InheritanceAttribute](#) , [ComponentDesigner.Dispose\(\)](#) ,
[ComponentDesigner.DoDefaultAction\(\)](#) ,
[ComponentDesigner.InvokeGetInheritanceAttribute\(ComponentDesigner\)](#) ,
[ComponentDesigner.InitializeNonDefault\(\)](#) , [ComponentDesigner.GetService\(Type\)](#) ,
[ComponentDesigner.PostFilterAttributes\(IDictionary\)](#) ,
[ComponentDesigner.PostFilterEvents\(IDictionary\)](#) ,
[ComponentDesigner.PostFilterProperties\(IDictionary\)](#) ,
[ComponentDesigner.PreFilterAttributes\(IDictionary\)](#) ,
[ComponentDesigner.PreFilterEvents\(IDictionary\)](#) ,
[ComponentDesigner.RaiseComponentChanged\(MemberDescriptor, object, object\)](#) ,
[ComponentDesigner.RaiseComponentChanging\(MemberDescriptor\)](#) ,
[ComponentDesigner.Inherited](#) , [ComponentDesigner.ShadowProperties](#) ,
[ComponentDesigner.Component](#) , [ComponentDesigner.Verbs](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Properties

ActionLists

Gets the design-time action lists supported by the component associated with the designer.

```
public override DesignerActionListCollection ActionLists { get; }
```

Property Value

[DesignerActionListCollection](#)

The design-time action lists supported by the component associated with the designer.

SelectionRules

Gets the selection rules that indicate the movement capabilities of a component.

```
public override SelectionRules SelectionRules { get; }
```

Property Value

[SelectionRules](#)

A bitwise combination of [SelectionRules](#) values.

Class SliderScrollEventArgs

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Provides event arguments for the [HorizontalScroll](#) and [VerticalScroll](#) events.

```
public class SliderScrollEventArgs : EventArgs
```

Inheritance

[object](#) ← [EventArgs](#) ← SliderScrollEventArgs

Inherited Members

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

Properties

Reason

Gets the reason for the event.

```
public SliderValueChangeReason Reason { get; }
```

Property Value

[SliderValueChangeReason](#)

Source

The [Slider](#) control that was the source of the event. You should rely on the [sender](#) parameter passed to your event handler function instead of using this property for a more reliable way of checking the event source.

```
public Slider? Source { get; }
```

Property Value

[Slider](#)

Value

Specifies the current position of the slider.

```
public int Value { get; }
```

Property Value

[int](#)

Remarks

Specifies the current position of the slider if the [Reason](#) is [Thumb](#) or [ThumbDrag](#). For all other [Slider](#) [ValueChangeReason](#) values, the value of this property is zero; check the [Value](#) property to determine the slider position.

Enum SliderTickMode

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Specifies the type of ticks to use on a [Slider](#).

```
public enum SliderTickMode
```

Extension Methods

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

Fields

Auto = 0

The control has a tick mark for each increment in its range of values.

Custom = 1

The control has a custom amount of ticks dictated by the [TickFrequency](#) property.

None = 16

No ticks.

Enum SliderToolTipSide

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Specifies the side where the tooltip is located on a [Slider](#).

```
public enum SliderToolTipSide
```

Extension Methods

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

Fields

Bottom = 2

The tooltip control will be positioned below the slider.

Left = 1

The tooltip control will be positioned to the left of the slider.

Right = 3

The tooltip control will be positioned to the right of the trackbar.

Top = 0

The tooltip control will be positioned above the slider.

Enum SliderValueChangeReason

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Specifies the reason that a [Slider](#)'s value may be changing.

```
public enum SliderValueChangeReason
```

Extension Methods

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

Fields

Bottom = 7

The user has set the slider to the minimum value, for example by pressing the [Home](#) key.

LargeDecrease = 3

The user has decreased the value of the slider by clicking the track.

LargeIncrease = 2

The user has incremented the slider by clicking the track.

SmallDecrease = 1

The user has decreased the slider using the arrow keys.

SmallIncrease = 0

The user has incremented the slider using the arrow keys.

Thumb = 4

The user has finished dragging the thumb and released the mouse button.

ThumbDrag = 5

The user is currently dragging the thumb and moving it around. Fires continuously while the thumb is being dragged.

ThumbEnd = 8

The user released the thumb after dragging.

Use this reason only for cleanup, as it doesn't give you the actual moved-to value. For validation, please use the [Thumb](#) reason instead.

Top = 6

The user has set the slider to the maximum value, for example by pressing the [End](#) key.

See Also

[Slider](#)

Class SliderValueChangingEventArgs

Namespace: [FireBlade.WinInteropUtils.WinForms](#)

Assembly: WinInteropUtils.WinForms.dll

Defines event arguments for the [ValueChanging](#) event.

```
public class SliderValueChangingEventArgs : CancelEventArgs
```

Inheritance

[object](#) ← [EventArgs](#) ← [CancelEventArgs](#) ← SliderValueChangingEventArgs

Inherited Members

[CancelEventArgs.Cancel](#) , [EventArgs.Empty](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Properties

NewValue

Gets the new position of the thumb (value of the slider).

```
public int NewValue { get; }
```

Property Value

[int](#)

Reason

Gets the reason for the event.

```
public SliderValueChangeReason Reason { get; }
```

Property Value

SliderValueChangeReason