QViS

Operating instructions

QVis Runtime-System

Change overview

Index	Version	Date	Signature	Chapter	Changes
1	2.04.23	12.12.06	R. Bernecker	All	Created
2	2.07.00	09.07.07	A. Läng	All	Transferred into Hilscher layout
3	2.07.01	20.07.07	R. Bernecker	All	Documents summary (QLoader, Version, System Errors)

Contents

1   Introduction

1.1   About these operating instructions

These operating instructions contain a description of the QVis visualizing system for twinCat controls.

Entry into QVis is via a Demo project; a new project is created and worked through step by step.

The information also contains information on sources of errors.

1.2   QVis manuals

The following documentation overview provides information on which manual contains further details on which contents.

Document name	Type / content	File name
English		
QVis Development System	Operating instructions	dQVis.pdf
QVis QuickStart	Quick entry	dQVis-Quickstart.pdf
QVis Runtime-System	Operating instructions	dQVisRT.pdf
	Instructions target system - driver	
	Instructions start-up program Q-Loader	
	Versions overview	
	Files overview	
	List of Windows error codes	
QVis Runtime-System Demo Demo.pdf	Demo version operating instructions	dQVisRT-
CD-Booklet d/e	CD-table of contents d/e	QVis-Booklet.pdf
English		
QVis Development System	Manual	eQVis.pdf
QVis QuickStart	QuickStart	eQVis-Quickstart.pdf
QVis Runtime-System	Manual	eQVisRT.pdf
	Manual Target-Driver	
	Manual Start-up program Q-Loader	
	Overall view Versions	
	Overall view Files	
	List of Windows error codes	
QVis Runtime-System Demo	Manual Demo-Version	eQVisRT-Demo.pdf
CD-Booklet d/e	CD Table of Contents d/e	QVis-Booklet.pdf

1.3   Contents of the Product CD

The Product CD always contains the development system with reference to the suitable version of the Runtime system.

Version	System	Target	OS
QVisDEV	Development system	PC	XP
QVisRT-PC-XP	Runtime-System	PC	XP
QVisRT-PC-LNX	Runtime-System	PC	Linux (*in preparation*)
QVisRT-TC-CE	Runtime-System	TwinCat	CE
QVisRT-NX-CE	Runtime-System	netX	CE
QVisRT-NX-rcX	Runtime-System	netX	rcX (*in preparation*)

1.4   Directory structure of the CD

On this system you will receive all documentation in Adobe-Acrobat® Reader-Format (PDF). A Runtime version is contained in the ACROREAD directory.
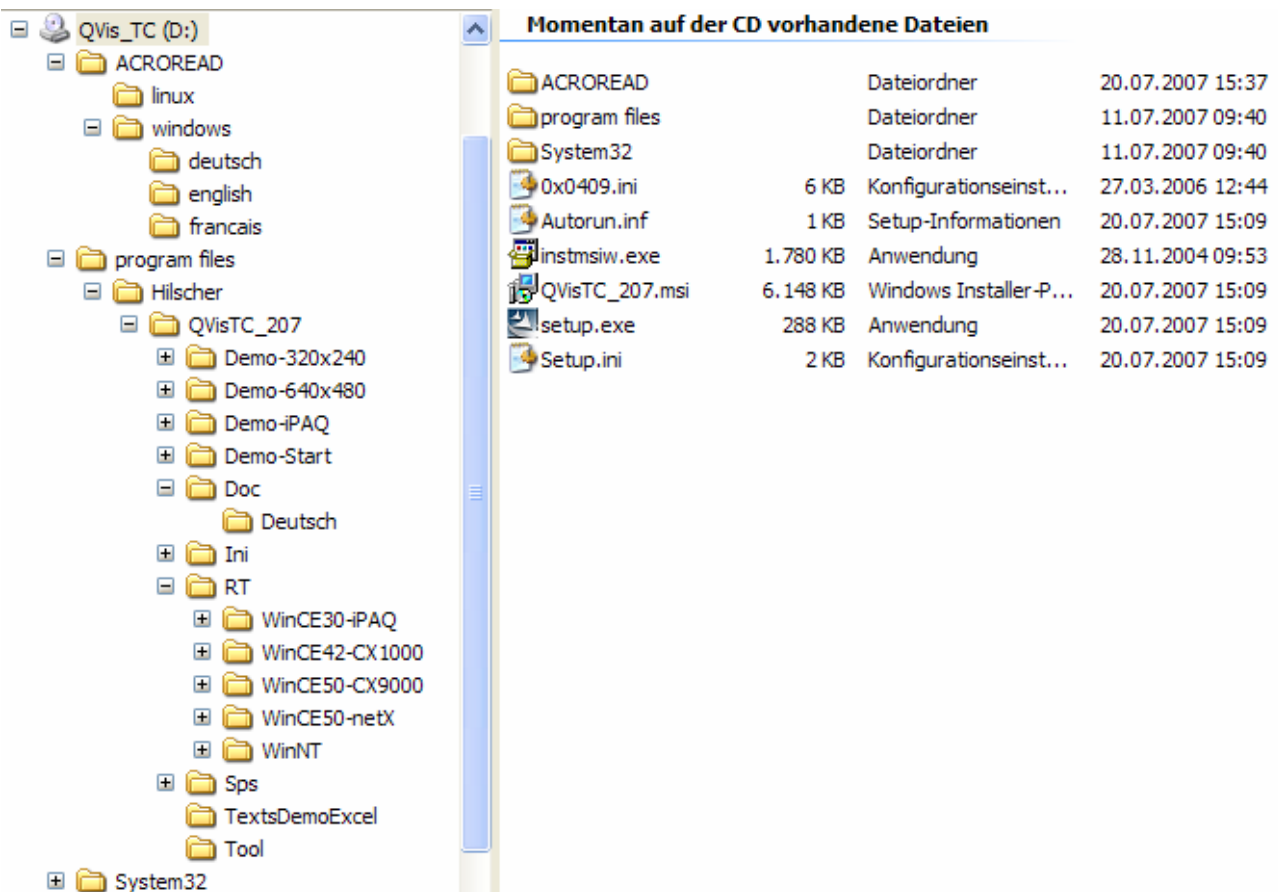
1.5   Legal Notice

1.5.1   Guarantee

Although QVis has been developed with the greatest of care and has been extensively tested, Hilscher Swiss GMBH makes no guarantee on the suitability of this program for any purpose which has not been confirmed by us in writing.

Guarantee claims are restricted to the right of demanding rectification. The responsibility for any damage that could occur with the use of this program or its documentation is limited to the case of the previous sentence.

We reserve the right at any time to change our products and their specifications to serve the purpose of technical progress. The manual delivered with the program always has validity.

1.5.2   Registry trademarks

Windows® 2000/Windows® XP are registered trademarks of the Microsoft Corporation.

1.6   Licenses

QVis requires to be licensed.

To be licensed are:

- QVisDEV   QVis Development system

- QVisRT-XP   QVis Runtime for Windows XP

- QVisRT-CE   QVis Runtime for Windows CE

- QVisRT-Linux   QVis Runtime for Linux

- QVisRT-rcX   QVis Runtime for rcX

1.7   Support

For further questions please contact one of our offices, your local distributor or our technical support:

Country	E-Mail	Telephone
Germany	de.support@hilscher.com	+49 (0) 6190 9907-99
Switzerland	ch.support@hilscher.com	+41 (0)71 737 7575
Italy	it.support@hilscher.com	+39 / 02 25007068
France	fr.support@hilscher.com	+33 (0) 4 72 37 98 40
North America	us.support@hilscher.com	+1 630-505-5301
Japan	jp.support@hilscher.com	+81 (0) 3-5362-0521
China	cn.support@hilscher.com	+86 (0) 21-6355-5161

2   Description of QVisRT

QVisRT is the abbreviation of the QVis Runtime. This means that **QVis** is used for creating and changing the working surface and functions for visualizing. The project file (project.bin) is created with **QVis. QVisRT** is used on the target system (e.g. CX100, netX), which opens and uses this project file.

QVis is the development tool and **QVisRT** is the running time system of the visualizing package.

QVisRT runs on the following systems:

- QVisRT.exe for Windows CE (netX, CX1000, CX9000, iPAQ)

- QVisRT.exe for Windows NT / 2000 / XP

3   Description of the QClientTC

The QClientTC permits the linkage of QVis to a TwinCat controls. QClientTC is loaded from QVisRT.exe in the form of a DLL. QVis is designed for WinNT/2000/XP (PC) and for WinCE (CX1000, CX9000, iPAQ) and provides the following possibilities.

SPS: CX1000 or CX9000, QVisRT: local (CX1000 or CX9000)

1. Create a project with QVis generate project.bin and copy to CX1000 or CX9000

3. Start QVisRT.exe on CX1000 or CX9000

Development computer (Windows XP)

QVis
↓
project.bin

→

CX1000 or CX9000

QVisRT.exe ←→ QClientTC.dll
↑   ↕
project.bin   SPS

SPS: PC, QVisRT: local (PC)

1. Create a project with QVis
2. Generate project.bin and copy on to the PC (can also be the same)

3. Start QVisRT.exe on the PC

Development computer (Windows XP)

QVis
↓
project.bin

→

PC

QVisRT.exe ←→ QClientTC.dll
↑   ↕
project.bin   PLC

SPS: PC, CX1000 oder CX9000, QVisRT: Remote operation (PC or iPAQ)

1. Create a project with QVis
2. Generate project.bin and copy on to the PC (can also be the same)

3. Start QVisRT.exe on the remote operation computer

Remote operation (PC or iPAQ)

QVisRT.exe ↔ QClientTC.dll

project.bin

PC, CX1000 or CX9000

PLC

QClientTC.dll ↔ PLC
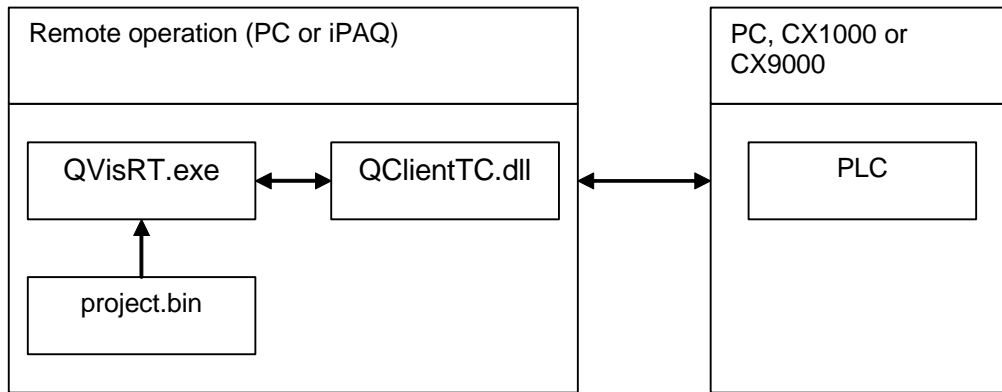
4   QVisRT and QClientTC - Installation

4.1   Project settings

Create a project with QVis (see QVis documentation).

Make sure that the 'TwinCAT' type of control is set (QVis menu: 'Edit' → 'Settings…').
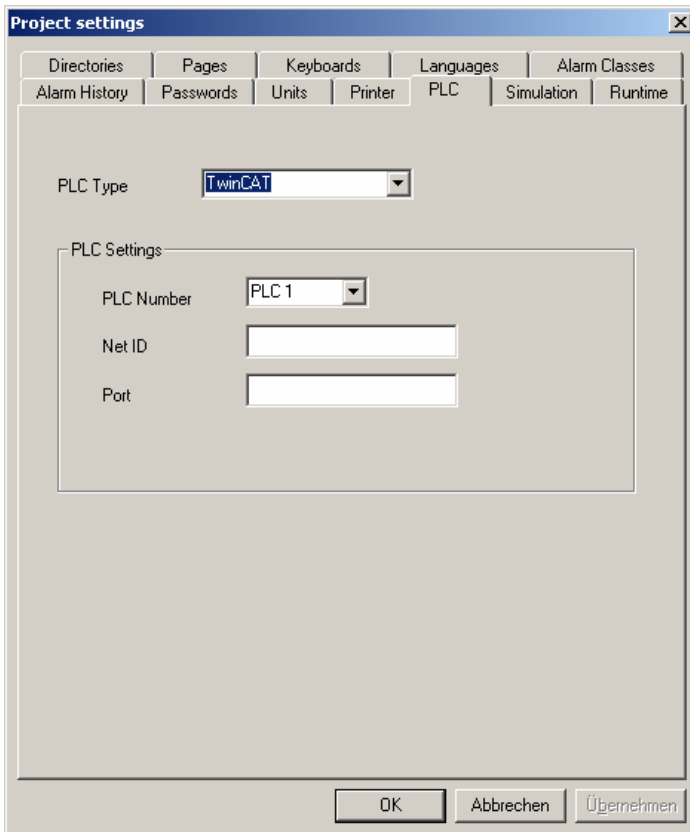

Entries for Net ID and Port are not absolutely necessary) If no entries are made for Net ID and Port then these are read from the registry at the time of running whereby the standard setting for Net ID is 'local' and for the Port is '801'. These registry entries can naturally also be adapted.

4.2   Installation CX1000 or CX9000

4.2.1   Basic system

The target path of the CX1000 or CX9000 can be set with the (QVis menu 'Edit' → 'Settings...' → Registry 'PLC') project settings. (Remote download path).
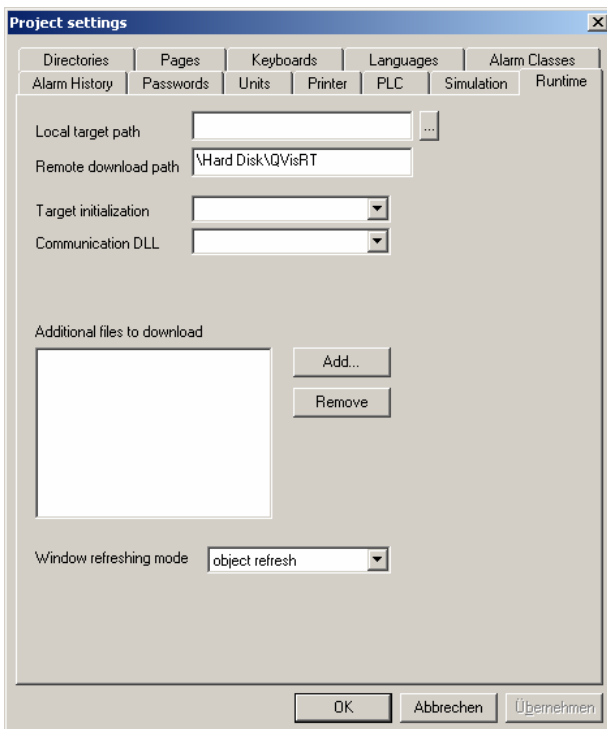
Translate the project 'File' → 'Build' with QVis. The download window is opened when the project is without errors:
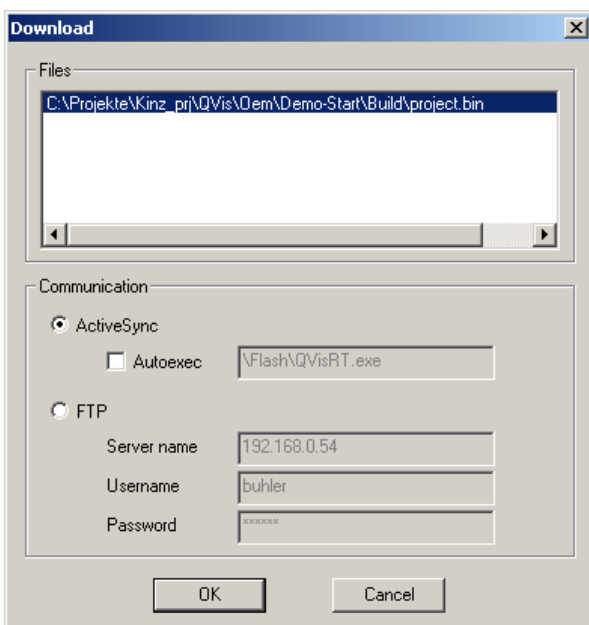
If there is a link to the CX1000 or CX9000 using MS-ActiveSync, then the download can be started with 'OK'.

4.2.2   Settings

The following files must be on the CX1000 or CX9000:

- QVisRT.exe (already on the CX1000 or CX9000)

- QClientTC.dll (already on the CX1000 or CX9000)

- project.bin (is copied to the CX1000 or CX9000 with QVis)

- QLoader.exe (already on the CX1000 or CX9000)

The settings of QVisRT and QClientTC are saved in the registry of CX1000 or CX9000. These are already set by Beckhoff in such a way that they need not be changed. Nevertheless, they are described briefly in the following chapter. In order to check or change the registry, carry out CX1000 or CX9000 'Start' → 'Run...' → 'regedit' in the menu.

4.2.2.1   QVisRT

QVisRT must use the QClientTC.dll as the communication DLL (VI_DLL).

\HKEY_LOCAL_MACHINE\Software\Hilscher\QVisRT\

VI_DLL   \Path\QClientTC.dll

4.2.2.2   QClientTC

HKEY_LOCAL_MACHINE\Software\Hilscher\QVisRT\QClientTC\PLCxxx

AdsNetID   TwinCAT NetID for control xxx, (for local PLC: 'local')
The CX1000 or CX9000 only support local.

AdsPort   TwinCAT Port for control xxx, (Default: '801')

4.2.3   Autostart (QLoader)

QVisRT should be started automatically when switching on CX1000 or CX9000. If this is not the case, then the following values musty be entered into the registry of CX1000 or CX9000 ('Start' → 'Run' → 'regedit' menu).

HKEY_LOCAL_MACHINE\init

Launch96   \Hard Disk\QVisRT\QLoader.exe

Depend96 14 00 1E 00 32 00 50 00 5A 00

QLoader is a start-up program that is meant to start QVisRT.exe. If QVisRT has not started, check the configuration of QLoader (see documentation 'QLoader-TC').

4.2.4   Blank out task bar

In order to blank out the CX1000 or CX9000 task bar, it is necessary to start 'Start' → 'Settings' → 'Taskbar and Start Menu...' on the CX1000 or CX9000 and activate 'Auto hide'. If the mouse cursor is moved at the bottom edge of the screen then the task bar is shown again.

If, after the starting of an application (e.g. QVisRT) the task bar is not to be shown again, the 'Always on top' must be deactivated.

In order to save this setting, end Windows ('Start' → 'Suspend') and start CX1000 or CX9000 again.

4.2.5   Boot project

If, after starting QVisRT, an error message "ADS Connection dropped!" appears, create a Boot project with TwinCAT PLC Control. If the error message still appears, check the configuration of QClientTC.

4.2.6   Example

The QVisRT.exe, QClientTC.dll and project.bin files are situated in the '\Hard Disk\QVisRT\' directory. The following settings are carried out in the registry:

\HKEY_LOCAL_MACHINE\Software\Hilscher\QVisRT\

VI_DLL   \Hard Disk\QClientTC.dll

Project   \Hard Disk\project.bin

\HKEY_LOCAL_MACHINE\Software\Hilscher\QVisRT\QClientTC\PLC1

AdsNetID   local

AdsPort   801

4.3   netX installation

4.3.1   Runtime system

The installation of the QVisRT system software is carried out by means of a CAB file.

The "QVisRT.cab" file in the directory "QVisTC_207\RT\WinCE50-netX\QVisRT" is copied by means of ActiveSynch into the basic directory and started in the Explorer with 'Start' → 'Run'.

The CAB file installs the files and makes entries in the Registry.

After the installation the Registry must be saved in Flash. This is carried out in the Explorer with 'Start' → 'Programs' → 'Flush Registry'.

4.3.2   Files

After the installation procedure the following files are saved in the "**\FlashDisk\QVisRT**" directory.

QLoader.exe   Loading program

QVisRT.exe   QVis Runtime system

Demo.dll   QVis Demo.dll (simulates QSoftPLC for Demo projects)

QClientTC.dll   QVis linkage to TwinCAT controls.

QVisRT.cfg   Configuration file in order to be able to overwrite registry settings

4.3.3   Registry

After the installation procedure the following entries are undertaken in the Registry.

Registry-Path QLoader HKEY_LOCAL_MACHINE\Software\Hilscher\QLoader

Keys	Contents	Description
FtpDirectory	\FlashDisk\	Source directory copy process
WorkingDirectory	\FlashDisk\QVisRT	Target directory copy process
CopyCount:	1	Copy a file
Copy1	project.bin	File name copy process
Erase	1	Delete files
StartCount	1	Start 1 program
Start1	\FlashDisk\QVisRT\QVisRT.exe	Start program 1
Parameter1	-c"\FlashDisk\QVisRT\QVisRT.cfg"	Programmargument 1
NetLogonServer		Server network application
NetLogonUsername		User network application
NetLogonPassword		Password network application

Registry-Path QVisRT HKEY_LOCAL_MACHINE\Software\Hilscher\QVisRT

Keys	Contents	Description
VI_DLL	\FlashDisk\QVisRT\QClientTC.dll	TwinCAT-driver
Project	\FlashDisk\QVisRT\project.bin	Project with path
SaveDir	\Temp	Safety directory
AutoSaveDir	\Temp	Safety Directory for AutoSave
ExportDir	\Temp	Safety directory

4.3.3.1   Configuration file (QVisRT.cfg)

QVisRT must use the QClientTC.dll as the communication DLL (VI_DLL).

Example:
```
 [QVisRT, SOFTWARE\Hilscher\QVisRT]
RefreshTime = dword:200
AutoSaveDir = "\Temp\ASave"
ExportDir = "\Temp\exp"
SaveDir = "\Temp\Save"
PositionX = dword:0
PositionY = dword:0
QI_DLL = ""
Server_DLL = ""
VI_DLL = "\FlashDisk\QVisRT\Demo.dll"
Project = "\FlashDisk\QVisRT\project.bin"
ServerRecipe = dword:0
HelpApp = ""
HelpPath = ""

 [TC-PLC1, SOFTWARE\Hilscher\QVisRT\QClientTC\PLC1]
AdsNetID="local"
AdsPort=dword:801

 [TC-PLC2, SOFTWARE\Hilscher\QVisRT\QClientTC\PLC2]
AdsNetID="local"
AdsPort=dword:801
```

RefreshTime	200	Refreshing time of the visualizing in ms
AutoSaveDir	\TEMP	Directory prefix for trend data and alarm history Autosave path
ExportDir	\TEMP	Directory for trend export and alarm history export
SaveDir	\TEMP	Directory for safety files (retain variables, trend configuration, trend status, project characteristic
PositionX	0	Horizontal position of the QVisRT window
PositionY	0	Vertical position of the QVisRT window
QI_DLL		Not used here
Server_DLL		Not used here
VI_DLL	\FlashDisk\QVisRT\Demo.dll	Communication DLL
Project	\FlashDisk\QVisRT\project.	Project directory and file name of the project

	bin	file
CreateExportDir	1	Create directory for export (0 .. Do not create directory, 1 .. Create directory (default))
Helppage:		External program to be called up for help. The help text is entered as parameter. If nothing is entered here, then the QVis help is used.
HelpPath		Path prefix, which is placed in front of the parameter for the external program. Care must be taken that the path separator sign '\' is not forgotten at the end.
AlarmListTime	5000	Interval in order to scroll the alarm list to the next page.

AdsNetID	92.168.0.10.1.1	ADS Net ID of the TwinCAT controls (PLC 1 to PLC 16)

AdsPort	801	ADS Port of the TwinCAT controls (PLC 1 to PLC 16)

If the values in the configuration file are not carried out then the settings in the registry are utilized

4.3.4   Blank out task bar

In order to blank out the netX task bar, it is necessary to start 'Start' → 'Settings' → 'Taskbar and Start Menu...' and to activate 'auto hide'. If the mouse cursor is moved at the bottom edge of the screen then the task bar is shown again.

If, after the starting of an application (e.g. QVisRT) the task bar is not to be shown again, the 'Always on top' must be deactivated.

In order to save these settings, start the 'Flush Registry' program('Start' → 'Programs' → 'Flush Registry').

4.3.5   TwinCat communication

The following library from Beckhoff must be installed: TcAdsDllCe.dll for ARMV4I. This is offered free of charge by Beckhoff (name: TwinCAT ADS Communication Library). After a download and the installation on a PC, a corresponding installation package will be found in a directory for the netX (Program\TwinCAT\ADS Api\TcAdsDllCe\setup). This can be copied to the netX and can then be installed by means of a double click. Detailed information is obtained from Beckhoff.

If a control is to be accessed via the network, then the QVis project settings, the netID and the Port of the computer on which the PLC is running must be entered. The netID can be taken from the TwinCAT system manager.

NOTE: For TwinCAT the corresponding routes at the PLC and remote operating computer must be entered. This can be carried out on computers with TwinCAT systems using the TwinCAT system manager. For remote operating computers without TwinCAT system a tool for the configuration of

the AmsRemote linkage is installed with the installation of the TwinCAT ADS Communication Library. More detailed information can be found in the documentation of the Beckhoff Company.

4.4   Installation PC

4.4.1   Basic system

If, for instance, you want to access a TwinCAT control from a computer, then you will need QVisRT and the associated QClientTC for WinNT/2000/XP.


Copy the following files into a common directory:

- QVisRT.exe

- QClientTC.dll

- project.bin

The QVisRT.exe and QClientTC.dll files for Windows NT/2000/XP are situated in the '[Installation path]\QVis\RT\WinNT' directory.

After the project has been translated (QVis menu 'File' → 'Build'), the project.bin file is found in the project directory in the *'build'* directory.

Before starting QVisRT, process the 'QVisRT-TC.reg' and 'QClientTC.reg' ('[Installation path]\QVis\ini\WinNT') registry files and make the necessary entries.
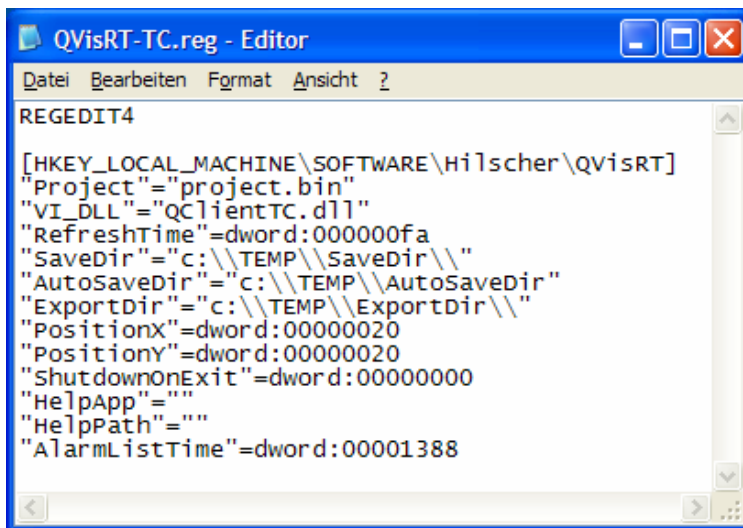
Project	[Path]\project.bin	Project directory and file name of the project file
VI_DLL	[Path]\QClientTC.dll	Communication DLL
RefreshTime	Default=0xFA (250ms)	Refresh time of the visualizing in ms
SaveDir	C:\\TEMP\\SAVEDIR\\	Directory for safety files (Retain variables, trend configuration, trend status, project characterization)
AutoSaveDir	c:\\TEMP\\AutoSaveDir\\	Directory prefix for trend data and alarm history autosave path
ExportDir	c:\\TEMP\\ExportDir\\	Directory for trend export and alarm history export
CreateExportDir	1	Create directory for export (0.. do not create directory, 1 .. create directory (default))
PositionX	0x20	Horizontal position of the QVisRT window
PositionY	0x20	Vertical position of the QVisRT window
ShutdownOnExit	Default=0	Shutting down the PC with QVis-end (0 .. do not shut down PC, 1.. shut down PC)
HelpApp		External program to be called up for Help. The help text is given as parameter. If nothing is entered then the QVis help is utilized.
HelpPath		Path prefix, which is placed in front of the parameter for the external program. Care must be taken that the path separator ‚\' is not forgotten at the end.
AlarmListTime	Default=0x1388(5000ms)	Interval in order to scroll the alarm list automatically to the next page.
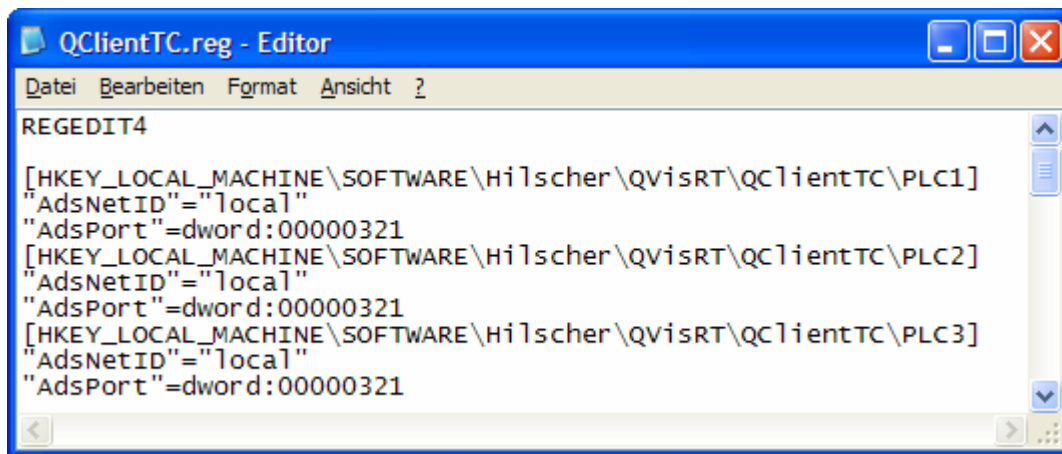
AdsNetID	local, 192.168.0.10.1.1	ADS Net ID of the TwinCAT controls (PLC 1 to PLC 16)
AdsPort	801	ADS Port of the TwinCAT controls (PLC 1 to PLC 16)

Accept the registration setting by double clicking either on 'QVisRT.reg' or ''QClientTC.reg'.

NOTE for windows 2000: it is necessary to have administrator rights in order to carry out the registration. After the creation of the registration settings, if QVisRT is to be run under the authorization of a normal user, the authorization in the registration for the normal user with full access must be added with the key " HKEY_LOCAL_MACHINE\SOFTWARE\Hilscher\QVisRT".

Procedure: Log in as administrator 'Start→Execute…', start 'regedt32.exe' program. Open the "HKEY_LOCAL_MACHINE\SOFTWARE\Hilscher\QVisRT" key and mark "QVisRT" and then add the authorization for the user with 'Menu→ Safety→authorization…'.

NOTE for windows 2003: it is necessary to have administrator rights in order to carry out the registration. After the creation of the registration settings, if QVisRT is to be run under the authorization of a normal user, the authorization in the registration for the normal user with full access must be added with the key " HKEY_LOCAL_MACHINE\SOFTWARE\Hilscher\QVisRT".

Procedure: Log in as administrator 'Start→Execute…', start "regedit" program. Open the "HKEY_LOCAL_MACHINE\SOFTWARE\Hilscher\QVisRT" key and mark "QVisRT" and then add the authorization for the user with "Right mouse button> Safety(authorization…".

Then start QVisRT.

4.4.2   Remote control

Access takes place through the Beckhoff ADS interface. In order that this is to function, either a complete TwinCAT system must be available on the computer (on which QVisRT is started) or the free ADS DLL: TcAdsDll. dll, from Beckhoff must be available (designation: TwinCAT ADS Communication Library). More information on this is available from the Beckhoff Company.

If it is desired to access a control over the network, then the QVis project settings, the NetID and the Port of the computer on which the PLC is running must be entered. The NetID can be found in the TwinCAT system manager.

Note: For TwinCAT, the corresponding routes to the PLC and remote control computer must be entered. This can be carried out on computers with TwinCAT system via the TwinCAT system manager. For remote control computers without TwinCAT system, use is made for the installation of the TwinCAT Communication Library of a tool for the configuration of the AmsRemote linkage. More detailed information can be found in the documentation of the Beckhoff Company.

4.4.3   Start parameters

When starting the program, further parameters can be included.

E.g.: "QVisRT.exe –C" configuration.qcf" –T "additional title"

- C"Configuration.qcf" The values of the "Configuration.qfc" file replaces the configuration values of the installation.
- T "additional title"   For the displayed window title "QVisRT Main Window" there is added the "Additional title" in square brackets "QVisRT Main Window [additional title]".

If no parameters are added at the start of QVisRT, then an attempt is made to read additional configuration values from the "QVisRT.qcf" file, which are expected in the same directory as QVisRT.exe.

4.4.3.1   Configuration file

In order to be able, for the start of the program, to use settings which deviate from the installation, there is the possibility of specifying other values via a configuration file.

Structure

Example:

 [QVisRT, SOFTWARE\Hilscher\QVisRT]

Project = "C:\Programme\Hilscher\QVis1_38\Demo-640x480\Build\project.bin"

VI_DLL   = "C:\Programme\Hilscher\QVis_138\RT\WinNT\QClientTC\QClientTC.dll"

RefreshTime   = dword:200

AutoSaveDir   = ""

ExportDir   = ""

CreateExportDir   = dword:1

SaveDir   = ""

PositionX   = dword:150

PositionY   = dword:150

QI_DLL   = ""

Server_DLL   = ""

ServerRecipe   = dword:0

HelpApp   = ""

HelpPath   = ""

AlarmListTime   = dword:1388

 [QClientTC-PLC1, SOFTWARE\Hilscher\QVisRT\QClientTC\PLC1]

AdsNetID   = local

AdsPort   = dword:101

The configuration file always begins with a section that is characterized by square brackets "[…]". The section designation is divided into two parts and separated by means of a (Comma ","). The first part serves for clarity and is not evaluated. The second part contains the registration path under HKEY_LOCAL_MACHINE for which the key and values follow. Possible keys correspond to the settings shown above for the registration files.

Key: Any character sequence

Values: Character sequences are to be provided with inverted commas but, when there are no empty spaces in the sequence, then they can be left out.

             Numerical values are introduced with "dword".

Also pre-settings can be carried out for the further Dlls. For this only a corresponding section with the correct registry path need be defined. Then a corresponding entry must be created for the values to be adapted. See also the example of the configuration file.

4.5   Installation iPAQ remote control

A Compaq / HP iPAQ can be used by QVisRT for remote operation of a TwinCAT control.

If it is desired to use the provided QVis project (Demo=iPAQ), then the control type must be set to TwinCAT and the ADS Net ID and the ADS Port must be adapted (QVis: 'Edit' → 'Settings...' → 'PLC').
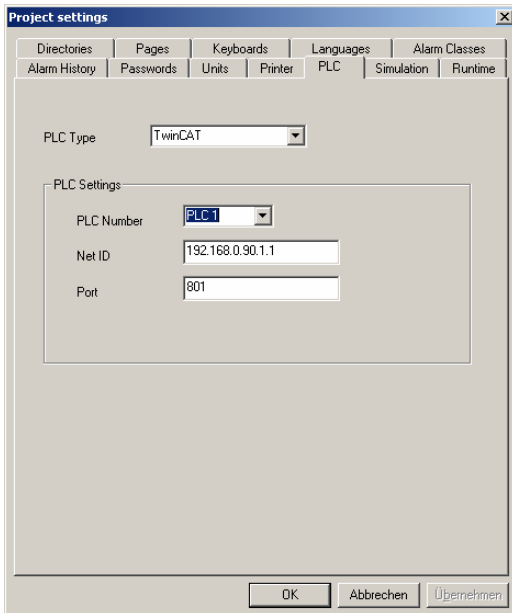

The following entries must be made in the 'Runtime' registry:

Remote download path   \flash

Communication DLL   QClientTC.dll

Additional files to download   QVisRT.exe, QClientTC.dll
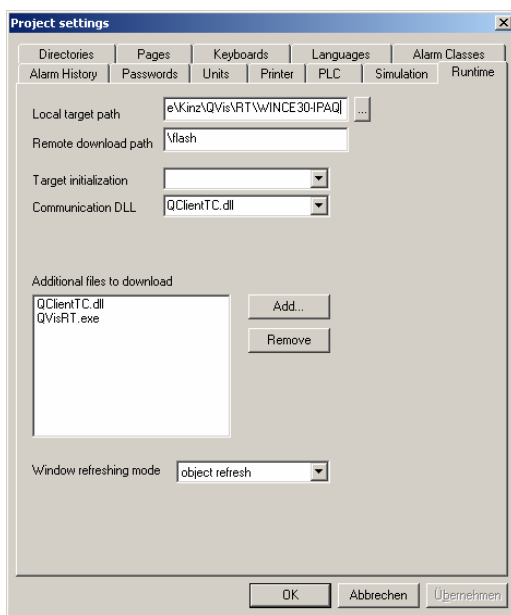
On the iPAQ all the settings have already been entered into the project, because the registry cannot be changed on the iPAQ. With the exception that you have a tool for this, the settings in the registry can be adapted. (See Chapter 'Installation on a PC').

Create the directory '/flash' on the iPAQ and start the download in QVis (QVis menu: 'File' → 'Download'). Then the following files will be copied into the 'flash' directory:

- QVisRT.exe

- QClientTC.dll

- project.bin

The following library from Beckhoff must still be copied to the iPAQ. TcAdsDllCe.dll for StrongARM. This is offered for free from Beckhoff (designation: TwinCAT ADS Communication Library). After the download and the installation on a PC a corresponding installation package will be found in a directory for the iPAQ (HPC stands for hand-held PC, PPC stands for pocket PC). This can be copied on to the iPAQ and then installed by means of a double click. More information on this is available from Beckhoff.

If it is desired to access a control over the network, then the QVis project settings, the NetID and the Port of the computer on which the PLC is running must be entered. The NetID can be found in the TwinCAT system manager.

Note: For TwinCAT, the corresponding routes to the PLC and remote operation computer must be entered. This can be carried out on computers with TwinCAT system via the TwinCAT system manager. For remote control computers without TwinCAT system, use is made for the installation of the TwinCAT Communication Library of a tool for the configuration of the AmsRemote linkage. More detailed information can be found in the documentation of the Beckhoff Company.

Then \flash\QVisRT.exe can be started on the iPAQ.

4.6   Startup picture (Startup.bmp)

If there is a Bitmap with the file name "**Startup.bmp**" in the directory of QVisRT, then this picture is shown when loading the project.

5 Import variables

If a project is translated in 'TwinCAT PLC Control', then a file with the ending .tpy is generated. This is an XML file in which information on all variables of the project is held. These variables can be imported into QVis.

5.1 TwinCAT PLC Control Attributes

In order that not all variables of a TwinCAT project are imported into the QVis, it is possible to characterize a variable. In the variables declaration, additional parameters can be added by means of the following method of notation:

Variable name: Variable type

(*~

 (Attributes), ...

~*)
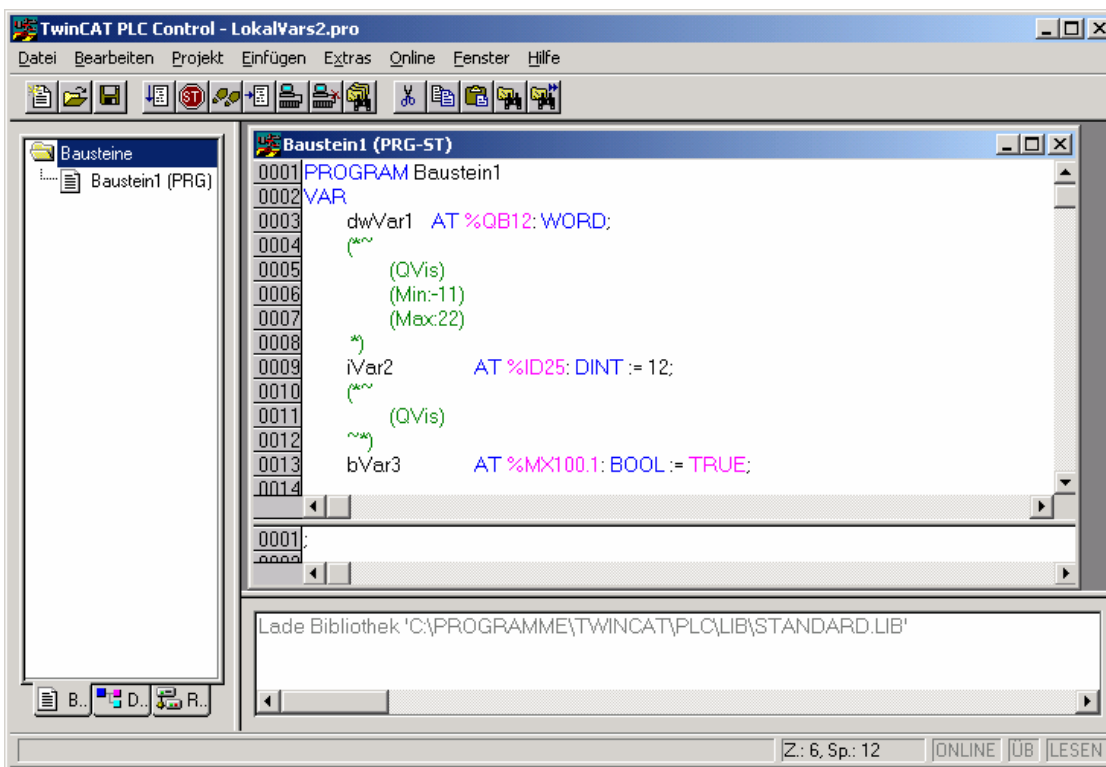
Each variable that is to be imported into QVis must possess the attribute 'QVis'.

In addition, as an option, still further information for QVis can be defined in the TwinCAT project:

| Attribute	Description
InOut	0 = Input, 1 = Output, 2 = Input/Output
PWLevel	Password level
UseBaseunit	1 = Use baseunit
Baseunit	Baseunit 0 - 31
Normalization	Normalization
Min	Min value
Max	Max value
Default	Default value
VarType	0 = PV, 1 = ALARM, 2 = ALARM_SAVED
AlarmClass	Alarm class 1 – 32
DisplayFormat	0 = Decimal, 1 = Date (yy/mm/dd), 2= Date (yyyy/mm/dd), 3 = Date (dd.mm.yy), 4 = Date (dd.mm.yyyy), 5 = Time(hh:mm), 6 = Time(hh:mm:ss), 7 = String
DisplayPreDecimal	Pre-decimal
DisplayPostDecimal	Post-decimal
DisplayLeadingZeros	1 = Display leading zeros
DisplayShowSign	1 = Show sign
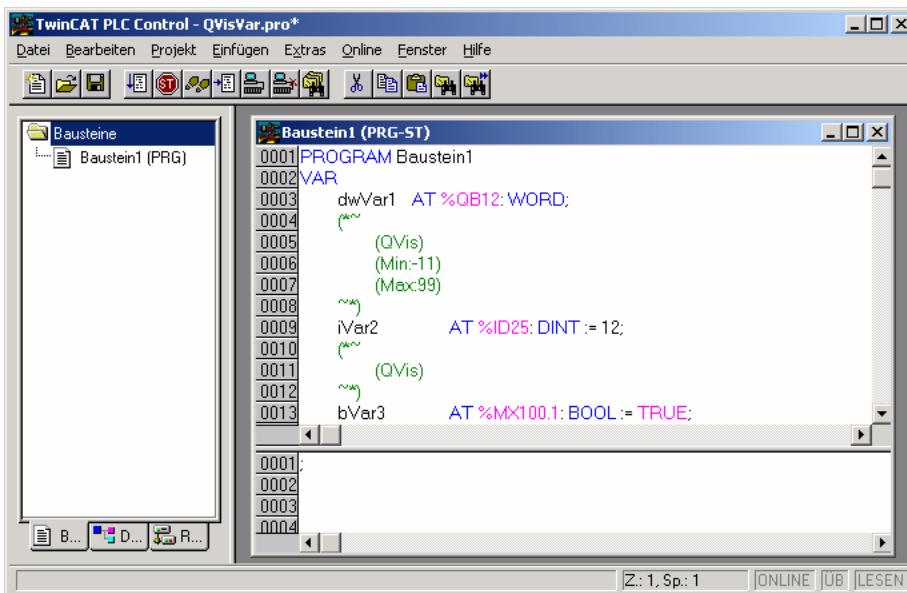
Note: Do not use empty spaces!

Incorrect: (Min: 123)

Correct: Min:123

5.2   Importing structures

In the case that in 'TwinCAT PLC Control', own data types (structures) are used, then these can also be imported into QVis. If, as with the standard data types the *QVis* attribute is utilized, then the complete structure with all its variables and sub-structures is imported.
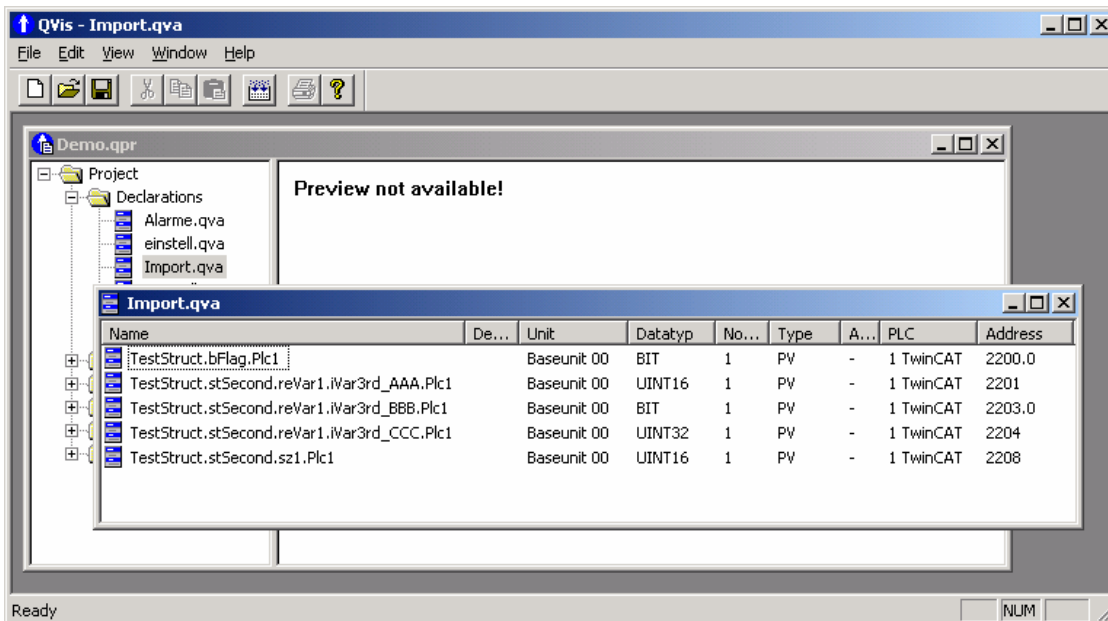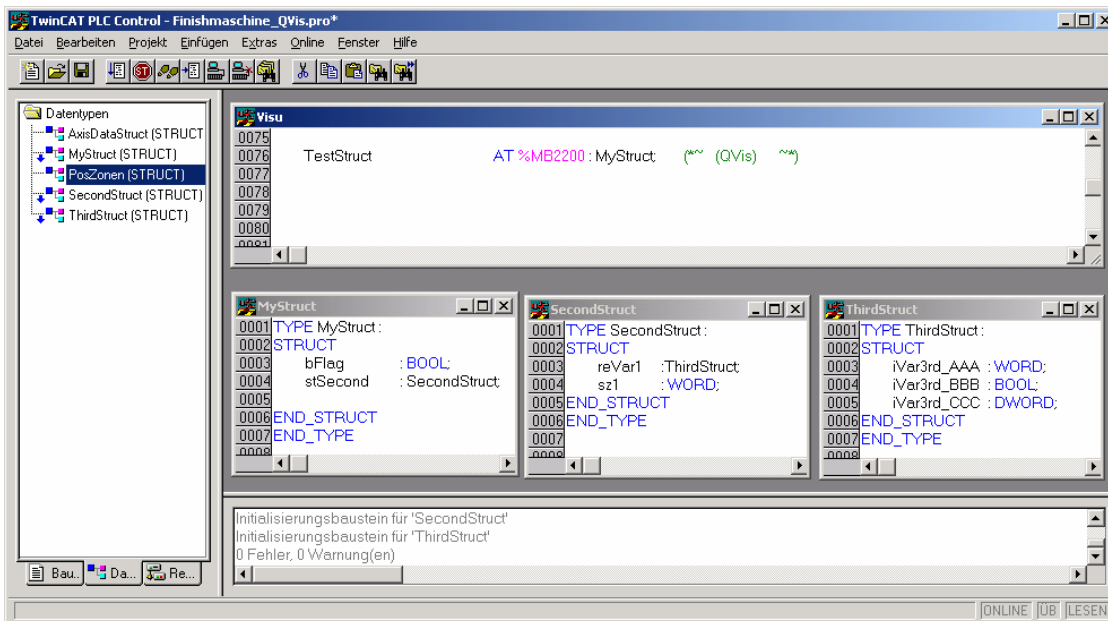

Attributes serve for all 'sub-variables' of the structure.

If only a particular variable from a structure is to be imported into QVis, then, in the 'TwinCAT PLC Control' declaration the *QVis* attribute must again be utilized but also the desired variable:

*(*~   (QVis:Membervariable)   ~*)*
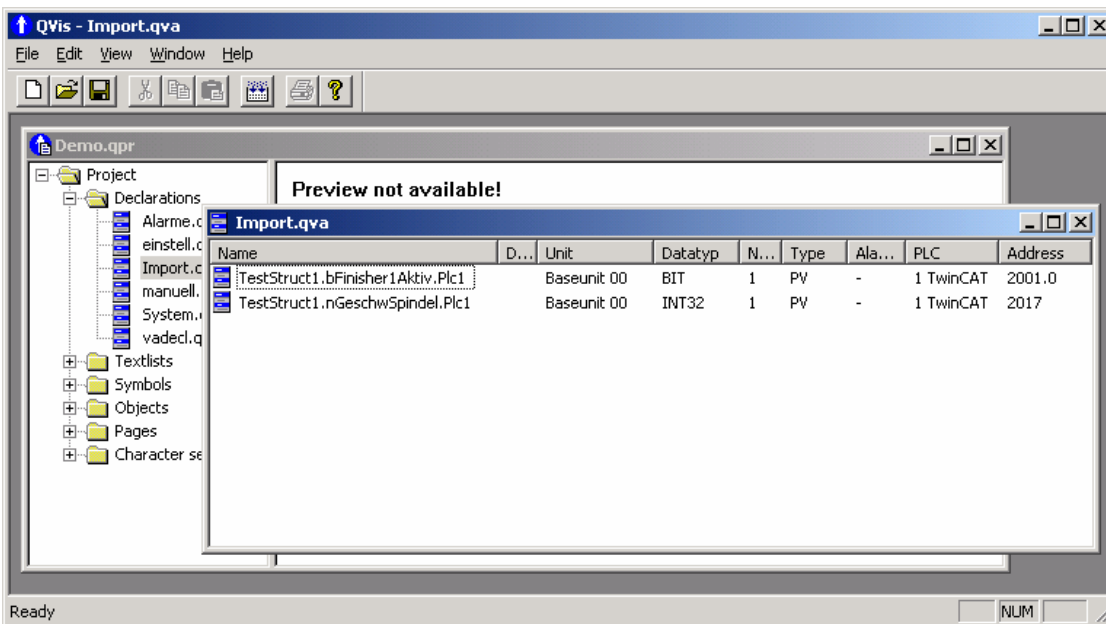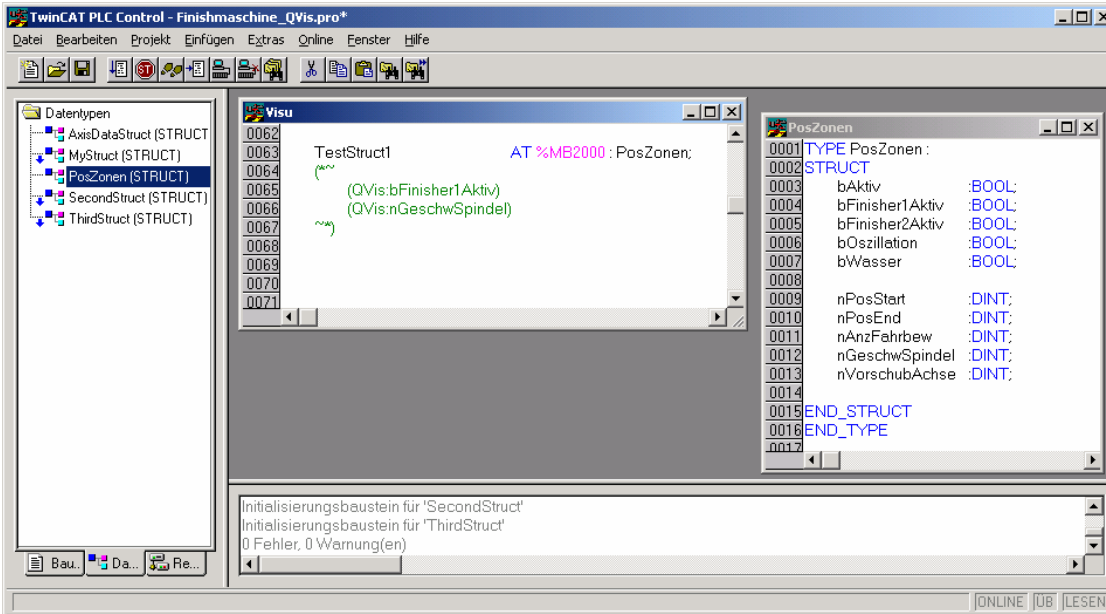
When entering names care must be taken with upper and lower case writing. In TwinCAT it is possible to define a variable with the "poszonen" structure, although the structure should be called "Poszonen". When importing, this structure will not be found.

5.3   QVis Import

The import can be selected from the 'File' → 'Import ...' menu.
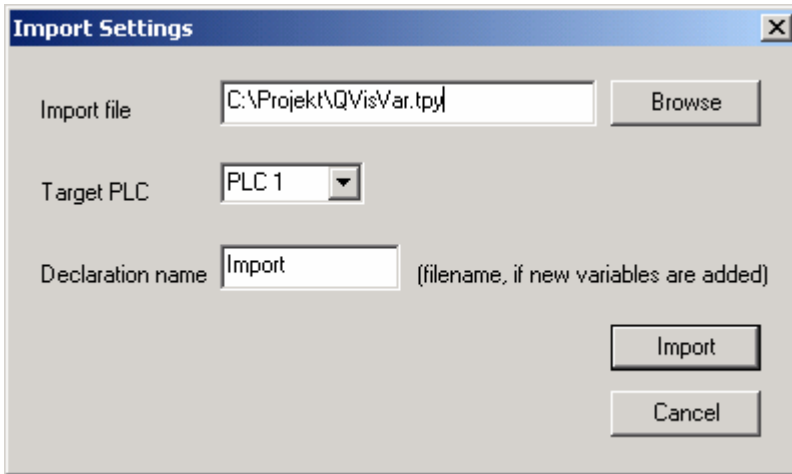
The following settings can be carried out in the newly opened window:

Import file: TwinCAT XML-file (.tpy)

Target PLC: Target control PLC 1 to PLC 32

Declaration name: File name for variables declaration (.qva) if new variables are being imported.

The variables to be imported are entered if not already available. If a variable is already available, then only the new ones are altered (e.g. new address, new maximum value, …).

6   Functions (over variable interface)

6.1   Variables definition in PLC

6.1.1   Build-up of the function structure

The QControl structure has the following form:

TYPE QControl
STRUCT
       dwInCommand   : DWORD; (* Commando number that is to be carried out next*)
       dwInCount   : DWORD; (* Counter for the next command   *)
       dwInQVisCtrlAddress   : DWORD; (* Address of the global variable QVisCtrl   *)
       dwInParameterAddress : DWORD; (* Address for the transferable parameter *)
       dwOutCount : DWORD; (* Command is carried out when the value corresponds to the value wInCount *)
       diOutStatus : DINT;   (* Status of the last command carried out *)
END_STRUCT
END_TYPE

The variables dwInCommand, dwInCount, dwInQVisCtrlAddress and dwInParameterAddress are evaluated by QVis cyclically and when dwInCount changes then the command specified in dwInCommand is carried out. dwInParameterAddress gives the address of the additional parameters, the dwInQVisCtrlAddress is required n order to determine the reading address in the PLC.

dwOutCount and diOutStatus are for the PLC to be able to decide on the end or the success of the processing.

A variable with the fixed name of QVisCtrl of the type QControl must be entered. For an import into the tool. the attributes (*~(QVis)(InOut:2)~*) should also be added. For the functions, QVisRT expects the variables QVisCtrl.dwInCommand, QVisCtrl.dwInCount, QVisCtrl.dwInQVisCtrlAddress, QVisCtrl.dwInParameterAddress, QVisCtrl.dwOutCount and QVisCtrl.diOutStatus. If one of these variables cannot be found, the QVisRT will not make this function available.

Note: The variable of these structures for the various functions must be defined in a unified manner. Either all as normal variables or all as markers. The types of Input or Output are not possible.

Note: The QVisCtrl must be entered globally so that that it does not receive the prefix of the program name.

6.1.2   dwInCommand

In this variable the PLC gives the command number for the next function to be carried out. The following functions and command numbers are available:

Command number	Function
1	Page change
2	Exit QVisRT

6.1.3   dwInCount

This value must be increased for carrying out the next command. As soon as QVisRT recognizes a new command the next command is carried out with regard to the command number and the parameter. For this reason this value must first be increased and the parameter set.

6.1.4   dwInQVisCtrlAddress

Gives the address of the command structure in order to determine the read address in the PLC.

The command structure is already defined in LQCTRL.lib.

dwInParameterAddress

Gives the address of the parameter.

The parameter structure is already defined in LQCTRL_COMMON.lib

6.1.5   dwOutCount

This value is increased on dwInCoun when the processing of the command has been completed.

diOutStatus

Shows the status (success) after the processing of the command.

6.2   Functions

6.3   Page change (1)

With this function a change is carried out to another possible page.

Build up of the structure for the page change (QCtrlChangePage)

```
TYPE QCtrlChangePage:
STRUCT     (* Size = 4 Byte *)
          diPage: DINT;              (* Page number to which the change is to be made *)
END_STRUCT
END_TYPE
```

Parameter

diPage: Page number

Display

0	The processing has been completed successfully
- 1	Command does not exist
- 2	Internal error while executing the command
- 3	Error when reading the command parameter
- 10	The desired page does not exist

Example:

PLC program

```
 (* global *)
QVisCtrl     : QControl; (*~(QVis)(InOut:2)~*)

 (* local *)
ChangePage              : QCtrlChangePage;


ChangePage.diPage := 10;

QVisCtrl.dwInCommand := 1; (* page change *)
QVisCtrl.dwInQVisCtrlAddress := ADR(QVisCtrl);
QVisCtrl.dwInParameterAddress := ADR(ChangePage);

IF … THEN
QVisCtrl.dwInCount := QVisCtrl.dwInCount + 1; (* Page change has been carried out)

END_IF
```

If QVisCtrl.dwOutCount = QVisCtrl.dwInCount, then the execution of the command is ended.
Status QVisCtrl.diOutStatus can be checked.

6.3.1   Exit QVisRT (2)

This function ends QVisRT.

No structure for the end of the program

Display

0   The processing has been completed successfully

- 1   Command does not exist

Example:

PLC program

```
 (* global *)
QVisCtrl     : QControl; (*~(QVis)(InOut:2)~*)

QVisCtrl.dwInCommand := 2; (* Program end QVisRT *)
QVisCtrl.dwInQVisCtrlAddress := ADR(QVisCtrl);
QVisCtrl.dwInParameterAddress := 0;

IF … THEN
QVisCtrl.dwInCount := QVisCtrl.dwInCount + 1; (* QVisRT is ended)

END_IF
```

If QVisCtrl.dwOutCount = QVisCtrl.dwInCount then the execution of the command is ended. Status QVisCtrl.diOutStatus can be checked.

6.4   Variables definition in TOOL

6.4.1   Beckhoff (import)

With Beckhoff, after a corresponding definition of the variables in the PLC project, the definition can be taken over into the QVis project via the import. In the declaration of the QVisCtrl variables with QControl type, the attributes (*~ (QVis)(InOut:2) ~*) must be added so that the variables can also be exported via the PLC and are available for import into QVis.

Note.:   The variable and the structures for the various functions must not be placed on markers.

7   Operating the keyboard

In addition to the touch/mouse, the input fields in the project can be accessed and operated through the keyboard.

Arrow left / Arrow right: Serves for moving to the next / previous input field of the page. The active input field is shown in inverted color.

Arrow up / Arrow down: Serves for incrementing / decrementing the marked value. The value is only taken over when the next field is accessed.

ENTER / ESC: ENTER opens the dialog for the value entry. ESC ends the entry possibility, the possibly changed value is reset to the original value.

8   Limitations

8.1   Variables per side that are written simultaneously

On one page only 65535 variables can be written simultaneously This affects mainly recipe pages, because here all the values are set simultaneously with download If this number is exceeded then an error message appears.

8.2   Blinking

Blinking pf numeric variables and strings, dynamic texts, bar graphs and curves is not possible with CX1000, CX9000, netX, iPAQ and on the PC (WinNT/2k/XP).

8.3   Screen saver

The screen saver is not supported on the CX1000, CX9000, netX, iPAQ and on the PC (WinNT/2k/XP) with the QVis setting.

9   QLoader - Installation and Configuration

9.1   Installation

Copy the QLoader.exe file into the target directory of the terminal (e.g. "\FlashDisk\QVisRT" for netX and "\Hard Disk\QVisRT" CX1000 or CX9000) with ActiveSync or with QVis:

Place the QLoader.exe file into the QVis directory
enter QLoader.exe in the *Settings\Runtime menu point under Additional Files*

Adapt settings in the registry (see Chapter configuration).**Configuration**The configuration of QLoader is placed in the registry of CX1000. Start 'Start' → 'Run…' → 'regedit'. QLoader used the following entries:
Registry path of the entries: HKEY_LOCAL_MACHINE\Software\Hilscher\QLoader

Target directory:

With a system start the files from the source directory are copied here.

KEY="WorkingDirectory"

Type: STRING

Default setting: \Flash

Max. length: 256 characters

Source directory

With a system start the files are copied from here to the target directory.

KEY="FtpDirectory"

Type: STRING

Default setting: \Flash\QServer

Max. length: 256 characters

Number of copy entries

The individual files that are copied from the source to the target directory are shown in the entries *Copy1, Copy2, Copy3* etc. This provides information on how many of these entries are to be read out.

KEY="CopyCount"

Type: DWORD

Default value: 1

Max. value: 4294967295

Min. value: 0

First file to be copied

File name, relative path to the source directory, wildcard or combination of several

KEY="Copy1"

Default value: *.*

Max. length: 256 characters

Further files

The indexes of Copy<x> must be sequential numbers between 1 and the value of CopyCount.

KEYS="Copy2", "Copy3", ...

Deleting source files

This entry will determine whether the files in the source directory of the QLoader are to be deleted after copying into the target directory or whether they are to be retained. If there is a 1 here, then the files in the source directory are to be deleted. This setting is recommended in normal operation as otherwise files in the FTP directory will be copied into the target directory again every time the terminal is started. If there is a 0 here, then the files in the source directory are to be retained. The corresponding files in the target directory, however, will be overwritten in any case and thus permanently deleted.

KEY="Erase"

Type: DWORD

Default value: 1

Max. value: 1   (Yes)

Min. value: 0   (No)

Number of programs to be started

Similarly to CopyCount, this gives the number of start entries that are to be read out.

KEY="StartCount"

Default value: 1

Max. value 4294967295

Min. value: 0

First program that is to be started

Here the use of wildcards is not permitted.

KEY="Start1"

Default setting: \Flash\QVisRT.exe

Max. length 256 characters

Command lines argument Programm1

Each program that is to be started can be accompanied with command line arguments. However, it is not necessary that a parameter entry exists for each start entry. For QVisRT, for instance, the parameter that can accompany the start up could be the project to be used. For this purpose use inverted commas so that the parameter can be transferred correctly. "\Hard disk\QVisRT\project2.bin"

KEY="Parameter1"

Default setting: `\Flash\project.bin`

Max. length 256 characters

Further programs

The indexes of Start<*x*> and Parameter must be sequential numbers between 1 and the value of startCount.

KEYS="Start2", "Parameter2", "Start3", "Parameter3", ...

Network declaration

Here the name of the Server is given, e.g. a DHCP Server at which the server is to declare itself after the system start. If no announcement is made then an empty string can be placed here.

KEY="NetLogonServer"

Type: STRING

Default setting: *(empty)*

Max. length 256 characters

Password for network declaration

This entry is ignored when *NetLogonServer* remains empty.

KEY="NetLogonPassword"

Type: STRING

Default setting: *(empty)*

Max. length 256 characters

User name for network declaration

This entry is ignored when *NetLogonServer* remains empty.

KEY="NetLogonUsername"

Type: STRING

Default setting: *(empty)*

Max. length 256 characters

Installing CAB file

Here a CAB file can be entered which can be installed if available.

KEY="CABFile"

Default setting: *(empty)*

Max. Length: 256 characters

Type: String

CAB name installation entry in the registry

Here the registry entry of the installation can be entered under which, during installation of the CAB file, the settings are to be saved. This "Directory" can be found in HKEY_LOCAL_MACHINE\Software\Apps. After the installation, this "Directory" will contain an entry with the designation "CabFile" in which the CAB file with path has been saved. This entry is necessary so that the installation can be carried out without user input.

KEY="CABName"

Default setting: *(empty)*

Max. Length: 256 characters

Type: String

Saving CAB file settings

This entry defines whether, after the installation, the settings that were undertaken in the registry are to be saved permanently.

KEY="CABSaveReg"

Default setting: *0*

Max. value: 1   (Save registry values in Flash)

Min. value: 0   (Do not save registry values in Flash)

Type: DWORD

New-start after CAB file installation and the saving of the settings

This entry defines whether, after the installation, and the saving of the settings, a restart of the terminal should be carried out.

KEY="CABRestart"

Default setting: *0*

Max. value: 1   (A restart of the terminal will be carried out after installation and saving of the settings).

Min. value: 0   (Terminal will not be restarted after installation and saving of the settings).

Type: DWORD

9.3   Example configuration

9.3.1   CX1000, CX900

Source directory:	\Hard disk\FTP
Target directory:	\Hard disk\QVisRT
CopyCount:	1
Copy1:	*.exe copies all exe files from the \Hard disk\FTP to \Hard disk\QVisRT
Copy2:	folder1*.* has no effect as CopyCount is on 1. Otherwise this entry would cause all files and sub-directories to be copied from \Hard disk\FTP \folder1 to \Hard disk\QVisRT
Erase:	1
StartCount:	2
Start1:	\Hard disk\QVisRT\QVisRT.exe starts QVisRT
Parameter1:	"\ Hard disk \QVisRT\project.bin" With this project
Start2:	Control.exe Opens the control panel
NetLogonServer:	\\PC111 Announces itself to the computer PC111 From now on the terminal has access to this computer.
NetLogonUsername:	MrX User name
NetLogonPassword:	Secret Password

9.3.2   netX

Source directory:	\FlashDisk\FTP
Target directory:	\FlashDisk\QVisRT
CopyCount:	1
Copy1:	*.exe copies all exe files from the \FlashDisk\FTP to \FlashDisk\QVisRT
Erase:	1
StartCount:	2
Start1:	\FlashDisk\QVisRT\QVisRT.exe Starts QVisRT
Parameter1:	"\ FlashDisk \QVisRT\project.bin" with this project
NetLogonServer:	\\PC111 Declares itself to the computer PC111 From now on the terminal has access to this computer.
NetLogonUsername:	MrX User name
NetLogonPassword:	Secret Password

10 QVis file directory

.. \Demo-640x480	QVis Demo project (for screen resolution 640 x 480)
.. \Demo-640x480\build\start.bat	Start Demo with double click and HTML help
QVisRT.cfg	Configuration file for QVisRT, paths and HTML help (may need to be adapted)
.. \Demo-320x240	QVis Demo project (for screen resolution 640 x 480)
.. \Demo-iPAQ	QVis Demo project (for screen resolution 240 x 320)
.. \Demo-Start	Simple QVis Demo project
.. \Doc	
dQuickStart.pdf	Documentation: First steps with QVis
dQVis.pdf	Documentation: Development tool: QVis
dQVisRT.pdf	Documentation: Runtime system: QVisRT for TwinCAT
.. \ini	Initialization files, registry files for runtime system
.. \ini\WinNT	
QClientTC.reg	QClientTC-Registry file for Windows NT / 2000 / XP
QVisRT-TC.reg	QVisRT-Registry file for Windows NT / 2000 / XP
.. \RT	**RUNTIME FILES**
.. \RT\WinCE30-iPAQ	
Demo.dll	QVisRT Communication DLL Demo for Windows CE
QVisRT.exe	Runtime program for Windows CE
.. \RT\WinCE30-iPAQ\QClientTC	
QClientTC.dll	QVisRT Communication DLL Driver for TwinCAT linkage for Windows CE
.. \RT\WinCE42-CX1000	
Demo.dll	QVisRT Communication DLL Demo for the CX1000
QVisRT.exe	Runtime program for the CX1000

.. \RT\WinCE42-CX1000\QClientTC

QClientTC.dll	QVisRT Communication DLL Driver for TwinCAT linkage for the CX1000

.. \RT\WinCE42-CX1000\QLoader

QLoader.exe	Startup program

.. \RT\WinCE50-CX9000

Demo.dll	QVisRT Communication DLL Demo for the CX9000
QVisRT.exe	Runtime program for the CX9000

.. \RT\WinCE50-CX9000\QClientTC

QClientTC.dll	QVisRT Communication DLL: Driver for TwinCAT linkage for the CX9000

.. \RT\WinCE50-CX9000\QLoader

QLoader.exe	Startup program

.. \RT\WinCE50-netX

Demo.dll	QVisRT Communication DLL Demo for the CX9000
QVisRT.exe	Runtime program for the CX9000

.. \RT\WinCE50-netX\QClientTC

QClientTC.dll	QVisRT Communication DLL Driver for TwinCAT linkage for the CX9000

.. \RT\WinCE50-netX\QLoader

QLoader.exe	Startup program

.. \RT\WinCE50-netX\QVisRT

QVisRT.CAB	Installation file for netX

.. \RT\WinNT

Demo.dll	QVisRT Communication DLL Demo for Windows NT / 2000
QVisRT.exe	Runtime system for Windows NT / 2000 / XP

.. \RT\WinNT\QClientTC

QClientTC.dll	QVisRT Communication DLL Driver for TwinCAT linkage for Windows NT / 2000 / XP

.. \PLC

Demo-640x480-TC.pro	TwinCAT PLC control project for QVis Demo project Demo-640x480

Demo-640x480-TC.tpy	XML file for variable import in QVis
Demo-Start-TC.pro	TwinCAT PLC control project for QVis Demo project Demo-start
Demo-Start-TC.tpy	XML file for variable import in QVis

.. \PLC\Lib

LQCTRL.lib	Controller for the functions of the variable interface under CoDeSys.
LQCTRL_COMMON.lib	Parameter structure for the functions of the variable interface under CoDeSys.

.. \TextDemoExcel

Excel.pdf	Create documentation QVis texts with MS Excel
QVis-Texte.xls	Example: Create QVis texts with MS Excel

.. \Tool

msxml3.dll	Driver DLL for QVis.exe (XML)
QSimClient.dll	Communication DLL (Win2000) for simulation
QVis.exe	QVis development tool
SOCltus.dll	Driver DLL for QVis.exe
SOCmnus.dll	Driver DLL for QVis.exe
SODaCus.dll	Driver DLL for QVis.exe
zip32.dll	Driver DLL for QVis.exe (ZIP)

11 QVis Versions directory

11.1 QVis Version 2.07.01

Changes from Version 2.00.00

Setting a trend allows it to be saved in a file and to be opened again Additional group criterion possible	Extension (V 2.00.00)
Depicting the setting of the pages according to page numbers	Improvement (V 2.00.00)
Changes of the page numbers via 'Edit →Setting' and via the depiction tree have not been in agreement up to the renewed opening of a project.	Error correction (V 2.00.00)
For the PLC types of SIMATIC and SIMATIC-NET an new column "DB No" has been added in the Declaration list	Improvement (V 2.00.00)
When a text list has the suffix ".xls.qtx" there occurs, before the execution of the text list there is a query on the administration in Excel and whether this operation is really to be carried out	Improvement (V 2.00.00)
In the configuration of dynamic texts and dynamic symbols the list is displayed sorted according to the values	Improvement (V 2.00.00)
For small objects the selection frame is no longer shown. Selection frames remain in the minimum size of 10 pixels. The object is situated in the left upper corner.	Improvement (V 2.00.00)
Static texts, numeric values and Strings, dynamic texts, dynamic symbols and buttons can be shown transparently (does not function under Windows NT 4.0).	Extension (V 2.00.00)
The system variables for trends and line diagrams are updated with the page changes and no longer only when opening the Setup.	Improvement (V 2.00.00)
Informing the data Server when deleting the line diagram and changing the line diagram configuration.	Extension (V 2.00.00)
Line diagram message to data Server for changes of the configuration and when deleting the view.	Extension (V 2.00.00)
Line diagram and trend step width for cursor can be configured.	Extension (V 2.00.00)
For line diagram for value update, the cursor showed values of the first point and not the current position.	Error correction (V 2.00.00)
Function for querying the selected variable of the line diagram (message for changes).	Extension (V 2.00.00)
Updating the trend and line diagram setup values with change of page.	Error correction (V 2.00.00)
Find / Replace in order to search for and replace variable designations in the projects.	Extension (V 2.00.00)
With windows in Windows 2000/NT style, the window for a change of page was moved upwards by 1 pixel.	Error correction (V 2.00.00)
Extend line diagram to 12 variables	Extension (V 2.01.00)

Additional data types for line diagram list (DATE, TIME, "dynamic text").	Extension (V 2.01.00)
Additional system variable (SYS_TrendUnit1-12) for unit of a line diagram variable.	Extension (V 2.01.00)
Additional system variable (SYS_TrendValue1-12) for value of the process variables with formatting as for a line diagram variable.	Extension (V 2.01.00)
Extending the PLC function in order to configure line diagrams (QlineDiagramSetVars, QlineDiagramGetListPos).	Extension (V 2.01.00)
In the QlineDiagramSetVars function the dwShow characteristic was not set properly.	Error correction (V 2.01.01)
Extension of the error numbers for error search for QlineDiagramSetValue.	Improvement (V 2.01.01)
Error correction of QlineDiagramGetVars when the addresses are queried.	Error correction (V 2.01.01)
In the variables of the X axis in the line diagram, an error message is now displayed if no valid variable is defined.	Improvement (V 2.01.02)
An additional error message is now displayed in QlineDiagrammInit if no valid variable is defined for the X axis.	Improvement (V 2.01.02)
Line diagram list was not being printed	Error correction (V 2.01.02)
New function in order to set SYS_TRENDVALUEX trend variables.	Extension (V 2.01.03)
Internal restructuring	(V 2.02.00)
When a numeric variable was rendered visible again, it could occur that an old value was briefly displayed.	Improvement (V 2.03.05)
For String values in recipes only the values up to the first empty space was read in.	Error correction (V 2.03.11)
Adapt the marking of selected elements better in size.	Improvement (V 2.03.11)
Correct text for bar graphs for transparent background.	Improvement (V 2.03.11)
In WindowsCE for a project that was smaller than the window, the window was moved one pixel down with the changing of the window.	Error correction (V 2.03.11)
When the alarm history was deleted and QVisRT was restarted before a new alarm occurred, then the old alarm history (before the deletion) was shown again.	Error correction (V 2.03.11)
For a color surround for colors 2 and 3 and the controls by an additional variable, the change in color was only shown with a change of the value.	Error correction (V 2.04.00)
When clicking on an empty alarm list, the QVisRT was ended (program crash).	Error correction (V 2.04.00)
When clicking on an empty alarm list "Position open" and "Acknowledge alarm" was activated, the QVisRT was ended (program crash).	Error correction (V 2.04.00)
The alarm list can be configured so that further scrolling is automatic. Interval is freely configurable in QVisRT	Extension (V 2.04.01)

Objects of the pages can be searched for and replaced. In this way changes of objects can be updated in the pages.	Extension (V 2.04.03)
Depiction of pointer instruments	Extension (V 2.04.03)
Depiction of curves for WinNT/2k/XP and Linux.	Extension (V 2.04.03)
Size conversion for objects and pages via project tree view.	Extension (V 2.04.04)
When exporting alarm history and trend, Unicode characters (larger than 256) are output correctly.	Error correction (V 2.04.05)
Only one QVis project can be opened and an opened QVis project is protected against a second opening.	Improvement (V V2.04.06)
If, during simulation an empty list was clicked, a project crash could occur.	Error correction (V 2.04.06)
Improvement of the error messaging when no variables were allocated to objects or elements in order to find the position better.	Improvement (V 2.04.06)
Exit-QVis as command via variable interface (TwinCAT).	Extension (V 2.04.06)
Example for HTML help.	Improvement (V 2.04.06)
Make export of alarm history via command possible.	Extension (V 2.04.06)
For password-protected lists, carrying out the action after the entry of the password.	Improvement (V 2.04.06)
With printout under NT/2k/XP and more than 256 colors do not use a fixed grey palette for printing.	Improvement (V 2.04.06)
For alarm list, the help mode can be automatically turned on per configuration.	Extension (V 2.04.06)
For password-protected lists, carrying out the action also after the incorrect entry of the password.	Improvement (V 2.04.07)
In the Windows version allow the background to be drawn automatically.	Error correction (V 2.04.07)
In the Windows version, carry out the conversion to Unicode characters (was only implemented under Unix).	Error correction (V 2.04.07)
When printing recipe lists, an incorrect column title was printed out for the description.	Error correction (V 2.04.08)
When printing pages per command a program crash occurred in the choice of a different page than the depicted one.	Error correction (V 2.04.08)
When the trend data were deleted and an export made, then all entries (also without values and old ones) were exported.	Error correction (V 2.04.09)
A program crash occurred when there were no entries in the alarm list and the cursor function was used and the list was clicked.	Error correction (V 2.04.10)
Accelerate page changes (announce areas for new characters not required).	Improvement (V 2.04.11)
Import accelerated and errors with long strings repaired.	Error correction (V 2.04.12)
When using Bitmaps with run-level compression, these Bitmaps were not shown in the Tool and a program crash occurred in the Runtime system. Checking the Bitmaps and creating an error message.	Error correction (V 2.04.14)

The primary element settings were shown in the processing dialog when processing a page although this setting cannot be changed.	Error correction (V 2.04.14)
Version for Mikrap PCX270 WinCE 5.0 created without printer.	Extension (V 2.04.16)
When structuring project.bin, missing Bitmaps were not always correctly recognized.	Error correction (V 2.04.17)
If the trend display is stopped, then, with the export only the header line was saved (data missing).	Error correction (V 2.04.23)
Configuration option so that the directory for export is not automatically created. In this way a missing USB stick can generate an error.	Improvement (V 2.04.23)
With the WinCE2.11 version it is now possible to give the minimum size for the file system in RAM as 0, as the size can be configured in the MNLoader.	Improvement (V 2.04.23)
When changing to a page with trend, it was possible with certain settings that display errors could occur.	Error correction (V 2.04.23)
Version for Mikrap WinCE 5.0 now includes the print function.	Extension (V 2.04.23)
Extend LEDs on the Mikrap hardware to the possible 32 and execute access as with previous versions.	Improvement (V 2.04.23)
Pointer now also has the functions of hide and color change.	Extension (V 2.05.00)
Blinking also when there is no palette in the Runtime system available.	Extension (V 2.05.00)
Arc missing in menu in order to insert a new ones (Menu→Edit→Insert).	Improvement (V 2.05.00)
Arc was drawn as a complete circle when the range value was exceeded or dropped lower.	Error correction (V 2.05.00)
Transparence of the elements executed as in Win(CE/NT/2k/XP also for Linux.	Improvement (V 2.05.00)
When editing numerical values, the normalizing of the Max. and Min. values was not correct when the values were changed with increment / decrement.	Error correction (V 2.05.00)
Possibility of blanking out the help lines (pointer instrument).	Improvement (V 2.05.01)
Possibility of saving the directory settings in a text file and to read them in again (while automatically changing the path setting).	Improvement (V 2.05.01)
Additional system variables SYS_RecipeGroupLastDownloaded, SYS_RecipeNameLastDownloaded which display the names of the last saved recipes.	Extension (V 2.05.01)
The two system variables SYS_RecipeGroupLastDownloaded and SYS_RecipeNameLastDownloaded are now also Retain.	Improvement (V 2.05.02)
QServer and QclientRC still had Runtime errors.	Error correction (V 2.05.02)
In Text/Symbol-Keypads the SYS_InputVarName system variable can now also be used.	Improvement (V 2.05.03)
Combinations could exist in which the largest Unicode Text characters, which were not allocated a character, were depicted with the last valid character from the "Character set".	Error correction (V 2.06.00)

Elements in an object that was displaced were not updated during the displacement.	Improvement (V 2.07.00)
Conversion of the values in the line diagram because of the base units.	Error correction (V 2.07.01)
With Bitmaps with 24 Bit color depth, a project crash could occur in special cases..	Error correction (V 2.07.01)

11.2 QVis QClientTC Version 2.04.14

Changes from Version 1.32.00

'QClientTC now reads the values more often under NT.	Improvement (V 1.33.00)
QClientTC can now also read the structures for the page changes when these are placed on markers.	Improvement (V 1.38.03)
The writing of Strings did not work without errors.	Improvement (V 2.00.01)
Linking with several PLCs on the same computer did not work.	Improvement (V 2.00.01)
When many variables were read on one page, an overflow of the read buffer could occur, resulting in a program crash.	Improvement (V 2.04.13)
When many variables were placed on the same page simultaneously (recipe page/download) then all values were not written. Number of variables per page that could be written simultaneously was increased from 128 to 64k. In addition, when the limit is exceeded, a message is output. Number of variables per page that could be written simultaneously was increased from 128 to 64k. In addition, when the limit is exceeded, a message was output.	Improvement (V 2.04.14)

12 Microsoft Windows 2000/NT/XP (SDK) System Errors

The following table provides a list of system error codes. The values are defined in the Winnt.h header file. They are returned by the **GetLastError** function when many functions fail. To retrieve the description text for the error in your application, use the **FormatMessage** function with the FORMAT_MESSAGE_FROM_SYSTEM flag.

Code	Description	Name
0	The operation completed successfully.	ERROR_SUCCESS
1	Incorrect function.	ERROR_INVALID_FUNCTION
2	The system cannot find the file specified.	ERROR_FILE_NOT_FOUND
3	The system cannot find the path specified.	ERROR_PATH_NOT_FOUND
4	The system cannot open the file.	ERROR_TOO_MANY_OPEN_FILES
5	Access is denied.	ERROR_ACCESS_DENIED
6	The handle is invalid.	ERROR_INVALID_HANDLE
7	The storage control blocks were destroyed.	ERROR_ARENA_TRASHED
8	Not enough storage is available to process this command.	ERROR_NOT_ENOUGH_MEMORY
9	The storage control block address is invalid.	ERROR_INVALID_BLOCK
10	The environment is incorrect.	ERROR_BAD_ENVIRONMENT
11	An attempt was made to load a program with an incorrect format.	ERROR_BAD_FORMAT
12	The access code is invalid.	ERROR_INVALID_ACCESS
13	The data is invalid.	ERROR_INVALID_DATA
14	Not enough storage is available to complete this operation.	ERROR_OUTOFMEMORY
15	The system cannot find the drive specified.	ERROR_INVALID_DRIVE
16	The directory cannot be removed.	ERROR_CURRENT_DIRECTORY
17	The system cannot move the file to a different disk drive.	ERROR_NOT_SAME_DEVICE
18	There are no more files.	ERROR_NO_MORE_FILES
19	The media is write protected.	ERROR_WRITE_PROTECT
20	The system cannot find the device specified.	ERROR_BAD_UNIT
21	The device is not ready.	ERROR_NOT_READY
22	The device does not recognize the command.	ERROR_BAD_COMMAND
23	Data error (cyclic redundancy check).	ERROR_CRC
24	The program issued a command but the command length is incorrect.	ERROR_BAD_LENGTH
25	The drive cannot locate a specific area or track on the disk.	ERROR_SEEK
26	The specified disk or diskette cannot be accessed.	ERROR_NOT_DOS_DISK
27	The drive cannot find the sector requested.	ERROR_SECTOR_NOT_FOUND
28	The printer is out of paper.	ERROR_OUT_OF_PAPER

29	The system cannot write to the specified device.	ERROR_WRITE_FAULT
30	The system cannot read from the specified device.	ERROR_READ_FAULT
31	A device attached to the system is not functioning.	ERROR_GEN_FAILURE
32	The process cannot access the file because it is being used by another process.	ERROR_SHARING_VIOLATION
33	The process cannot access the file because another process has locked a portion of the file.	ERROR_LOCK_VIOLATION
34	The wrong diskette is in the drive. Insert %2 (Volume Serial Number: %3) into drive %1.	ERROR_WRONG_DISK
36	Too many files opened for sharing.	ERROR_SHARING_BUFFER_EXCEEDED
38	Reached the end of the file.	ERROR_HANDLE_EOF
39	The disk is full.	ERROR_HANDLE_DISK_FULL
50	The request is not supported.	ERROR_NOT_SUPPORTED
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_REM_NOT_LIST
52	You were not connected because a duplicate name exists on the network. Go to System in the Control Panel to change the computer name and try again.	ERROR_DUP_NAME
53	The network path was not found.	ERROR_BAD_NETPATH
54	The network is busy.	ERROR_NETWORK_BUSY
55	The specified network resource or device is no longer available.	ERROR_DEV_NOT_EXIST
56	The network BIOS command limit has been reached.	ERROR_TOO_MANY_CMDS
57	A network adapter hardware error occurred.	ERROR_ADAP_HDW_ERR
58	The specified server cannot perform the requested operation.	ERROR_BAD_NET_RESP
59	An unexpected network error occurred.	ERROR_UNEXP_NET_ERR
60	The remote adapter is not compatible.	ERROR_BAD_REM_ADAP
61	The printer queue is full.	ERROR_PRINTQ_FULL
62	Space to store the file waiting to be printed is not available on the server.	ERROR_NO_SPOOL_SPACE
63	Your file waiting to be printed was deleted.	ERROR_PRINT_CANCELLED
64	The specified network name is no longer available.	ERROR_NETNAME_DELETED
65	Network access is denied.	ERROR_NETWORK_ACCESS_DENIED
66	The network resource type is not correct.	ERROR_BAD_DEV_TYPE
67	The network name cannot be found.	ERROR_BAD_NET_NAME
68	The name limit for the local computer network adapter card was exceeded.	ERROR_TOO_MANY_NAMES
69	The network BIOS session limit was exceeded.	ERROR_TOO_MANY_SESS
70	The remote server has been paused or is in the process of being started.	ERROR_SHARING_PAUSED
71	No more connections can be made to this remote computer at this time because there are already as many connections as the computer can accept.	ERROR_REQ_NOT_ACCEP
72	The specified printer or disk device has been paused.	ERROR_REDIR_PAUSED

80	The file exists.	ERROR_FILE_EXISTS
82	The directory or file cannot be created.	ERROR_CANNOT_MAKE
83	Fail on INT 24.	ERROR_FAIL_I24
84	Storage to process this request is not available.	ERROR_OUT_OF_STRUCTURES
85	The local device name is already in use.	ERROR_ALREADY_ASSIGNED
86	The specified network password is not correct.	ERROR_INVALID_PASSWORD
87	The parameter is incorrect.	ERROR_INVALID_PARAMETER
88	A write fault occurred on the network.	ERROR_NET_WRITE_FAULT
89	The system cannot start another process at this time.	ERROR_NO_PROC_SLOTS
100	Cannot create another system semaphore.	ERROR_TOO_MANY_SEMAPHORES
101	The exclusive semaphore is owned by another process.	ERROR_EXCL_SEM_ALREADY_OWNED
102	The semaphore is set and cannot be closed.	ERROR_SEM_IS_SET
103	The semaphore cannot be set again.	ERROR_TOO_MANY_SEM_REQUESTS
104	Cannot request exclusive semaphores at interrupt time.	ERROR_INVALID_AT_INTERRUPT_TIME
105	The previous ownership of this semaphore has ended.	ERROR_SEM_OWNER_DIED
106	Insert the diskette for drive %1.	ERROR_SEM_USER_LIMIT
107	The program stopped because an alternate diskette was not inserted.	ERROR_DISK_CHANGE
108	The disk is in use or locked by another process.	ERROR_DRIVE_LOCKED
109	The pipe has been ended.	ERROR_BROKEN_PIPE
110	The system cannot open the device or file specified.	ERROR_OPEN_FAILED
111	The file name is too long.	ERROR_BUFFER_OVERFLOW
112	There is not enough space on the disk.	ERROR_DISK_FULL
113	No more internal file identifiers available.	ERROR_NO_MORE_SEARCH_HANDLES
114	The target internal file identifier is incorrect.	ERROR_INVALID_TARGET_HANDLE
117	The IOCTL call made by the application program is not correct.	ERROR_INVALID_CATEGORY
118	The verify-on-write switch parameter value is not correct.	ERROR_INVALID_VERIFY_SWITCH
119	The system does not support the command requested.	ERROR_BAD_DRIVER_LEVEL
120	This function is not supported on this system.	ERROR_CALL_NOT_IMPLEMENTED
121	The semaphore timeout period has expired.	ERROR_SEM_TIMEOUT
122	The data area passed to a system call is too small.	ERROR_INSUFFICIENT_BUFFER
123	The filename, directory name, or volume label syntax is incorrect.	ERROR_INVALID_NAME
124	The system call level is not correct.	ERROR_INVALID_LEVEL
125	The disk has no volume label.	ERROR_NO_VOLUME_LABEL
126	The specified module could not be found.	ERROR_MOD_NOT_FOUND
127	The specified procedure could not be found.	ERROR_PROC_NOT_FOUND

128	There are no child processes to wait for.	ERROR_WAIT_NO_CHILDREN
129	The %1 application cannot be run in Win32 mode.	ERROR_CHILD_NOT_COMPLETE
130	Attempt to use a file handle to an open disk partition for an operation other than raw disk I/O.	ERROR_DIRECT_ACCESS_HANDLE
131	An attempt was made to move the file pointer before the beginning of the file.	ERROR_NEGATIVE_SEEK
132	The file pointer cannot be set on the specified device or file.	ERROR_SEEK_ON_DEVICE
133	A JOIN or SUBST command cannot be used for a drive that contains previously joined drives.	ERROR_IS_JOIN_TARGET
134	An attempt was made to use a JOIN or SUBST command on a drive that has already been joined.	ERROR_IS_JOINED
135	An attempt was made to use a JOIN or SUBST command on a drive that has already been substituted.	ERROR_IS_SUBSTED
136	The system tried to delete the JOIN of a drive that is not joined.	ERROR_NOT_JOINED
137	The system tried to delete the substitution of a drive that is not substituted.	ERROR_NOT_SUBSTED
138	The system tried to join a drive to a directory on a joined drive.	ERROR_JOIN_TO_JOIN
139	The system tried to substitute a drive to a directory on a substituted drive.	ERROR_SUBST_TO_SUBST
140	The system tried to join a drive to a directory on a substituted drive.	ERROR_JOIN_TO_SUBST
141	The system tried to SUBST a drive to a directory on a joined drive.	ERROR_SUBST_TO_JOIN
142	The system cannot perform a JOIN or SUBST at this time.	ERROR_BUSY_DRIVE
143	The system cannot join or substitute a drive to or for a directory on the same drive.	ERROR_SAME_DRIVE
144	The directory is not a subdirectory of the root directory.	ERROR_DIR_NOT_ROOT
145	The directory is not empty.	ERROR_DIR_NOT_EMPTY
146	The path specified is being used in a substitute.	ERROR_IS_SUBST_PATH
147	Not enough resources are available to process this command.	ERROR_IS_JOIN_PATH
148	The path specified cannot be used at this time.	ERROR_PATH_BUSY
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_IS_SUBST_TARGET
150	System trace information was not specified in your CONFIG.SYS file, or tracing is disallowed.	ERROR_SYSTEM_TRACE
151	The number of specified semaphore events for DosMuxSemWait is not correct.	ERROR_INVALID_EVENT_COUNT
152	DosMuxSemWait did not execute; too many semaphores are already set.	ERROR_TOO_MANY_MUXWAITERS
153	The DosMuxSemWait list is not correct.	ERROR_INVALID_LIST_FORMAT
154	The volume label you entered exceeds the label character limit of the target file system.	ERROR_LABEL_TOO_LONG
155	Cannot create another thread.	ERROR_TOO_MANY_TCBS
156	The recipient process has refused the signal.	ERROR_SIGNAL_REFUSED
157	The segment is already discarded and cannot be locked.	ERROR_DISCARDED
158	The segment is already unlocked.	ERROR_NOT_LOCKED

159	The address for the thread ID is not correct.	ERROR_BAD_THREADID_ADDR
160	The argument string passed to DosExecPgm is not correct.	ERROR_BAD_ARGUMENTS
161	The specified path is invalid.	ERROR_BAD_PATHNAME
162	A signal is already pending.	ERROR_SIGNAL_PENDING
164	No more threads can be created in the system.	ERROR_MAX_THRDS_REACHED
167	Unable to lock a region of a file.	ERROR_LOCK_FAILED
170	The requested resource is in use.	ERROR_BUSY
173	A lock request was not outstanding for the supplied cancel region.	ERROR_CANCEL_VIOLATION
174	The file system does not support atomic changes to the lock type.	ERROR_ATOMIC_LOCKS_NOT_SUPPORTED
180	The system detected a segment number that was not correct.	ERROR_INVALID_SEGMENT_NUMBER
182	The operating system cannot run %1.	ERROR_INVALID_ORDINAL
183	Cannot create a file when that file already exists.	ERROR_ALREADY_EXISTS
186	The flag passed is not correct.	ERROR_INVALID_FLAG_NUMBER
187	The specified system semaphore name was not found.	ERROR_SEM_NOT_FOUND
188	The operating system cannot run %1.	ERROR_INVALID_STARTING_CODESEG
189	The operating system cannot run %1.	ERROR_INVALID_STACKSEG
190	The operating system cannot run %1.	ERROR_INVALID_MODULETYPE
191	Cannot run %1 in Win32 mode.	ERROR_INVALID_EXE_SIGNATURE
192	The operating system cannot run %1.	ERROR_EXE_MARKED_INVALID
193	%1 is not a valid Win32 application.	ERROR_BAD_EXE_FORMAT
194	The operating system cannot run %1.	ERROR_ITERATED_DATA_EXCEEDS_64k
195	The operating system cannot run %1.	ERROR_INVALID_MINALLOCSIZE
196	The operating system cannot run this application program.	ERROR_DYNLINK_FROM_INVALID_RING
197	The operating system is not presently configured to run this application.	ERROR_IOPL_NOT_ENABLED
198	The operating system cannot run %1.	ERROR_INVALID_SEGDPL
199	The operating system cannot run this application program.	ERROR_AUTODATASEG_EXCEEDS_64k
200	The code segment cannot be greater than or equal to 64K.	ERROR_RING2SEG_MUST_BE_MOVABLE
201	The operating system cannot run %1.	ERROR_RELOC_CHAIN_XEEDS_SEGLIM
202	The operating system cannot run %1.	ERROR_INFLOOP_IN_RELOC_CHAIN
203	The system could not find the environment option that was entered.	ERROR_ENVVAR_NOT_FOUND
205	No process in the command subtree has a signal handler.	ERROR_NO_SIGNAL_SENT
206	The filename or extension is too long.	ERROR_FILENAME_EXCED_RANGE
207	The ring 2 stack is in use.	ERROR_RING2_STACK_IN_USE
208	The global filename characters, * or ?, are entered incorrectly or too many global filename characters are specified.	ERROR_META_EXPANSION_TOO_LONG

209	The signal being posted is not correct.	ERROR_INVALID_SIGNAL_NUMBER
210	The signal handler cannot be set.	ERROR_THREAD_1_INACTIVE
212	The segment is locked and cannot be reallocated.	ERROR_LOCKED
214	Too many dynamic-link modules are attached to this program or dynamic-link module.	ERROR_TOO_MANY_MODULES
215	Cannot nest calls to LoadModule.	ERROR_NESTING_NOT_ALLOWED
216	The image file %1 is valid, but is for a machine type other than the current machine.	ERROR_EXE_MACHINE_TYPE_MISMATCH
217	The image file %1 is signed, unable to modify.	ERROR_EXE_CANNOT_MODIFY_SIGNED_BINARY
218	The image file %1 is strong signed, unable to modify.	ERRO_EXE_CANNOT_MODIFY_STRONG_SIGNED_BINARY
230	The pipe state is invalid.	ERROR_BAD_PIPE
231	All pipe instances are busy.	ERROR_PIPE_BUSY
232	The pipe is being closed.	ERROR_NO_DATA
233	No process is on the other end of the pipe.	ERROR_PIPE_NOT_CONNECTED
234	More data is available.	ERROR_MORE_DATA
240	The session was canceled.	ERROR_VC_DISCONNECTED
254	The specified extended attribute name was invalid.	ERROR_INVALID_EA_NAME
255	The extended attributes are inconsistent.	ERROR_EA_LIST_INCONSISTENT
258	The wait operation timed out.	WAIT_TIMEOUT
259	No more data is available.	ERROR_NO_MORE_ITEMS
266	The copy functions cannot be used.	ERROR_CANNOT_COPY
267	The directory name is invalid.	ERROR_DIRECTORY
275	The extended attributes did not fit in the buffer.	ERROR_EAS_DIDNT_FIT
276	The extended attribute file on the mounted file system is corrupt.	ERROR_EA_FILE_CORRUPT
277	The extended attribute table file is full.	ERROR_EA_TABLE_FULL
278	The specified extended attribute handle is invalid.	ERROR_INVALID_EA_HANDLE
282	The mounted file system does not support extended attributes.	ERROR_EAS_NOT_SUPPORTED
288	Attempt to release mutex not owned by caller.	ERROR_NOT_OWNER
298	Too many posts were made to a semaphore.	ERROR_TOO_MANY_POSTS
299	Only part of a ReadProcessMemory or WriteProcessMemory request was completed.	ERROR_PARTIAL_COPY
300	The oplock request is denied.	ERROR_OPLOCK_NOT_GRANTED
301	An invalid oplock acknowledgment was received by the system.	ERROR_INVALID_OPLOCK_PROTOCOL
302	The volume is too fragmented to complete this operation.	ERROR_DISK_TOO_FRAGMENTED
303	The file cannot be opened because it is in the process of being deleted.	ERROR_DELETE_PENDING

317	The system cannot find message text for message number 0x%1 in the message file for %2.	ERROR_MR_MID_NOT_FOUND
318	The scope specified was not found.	ERROR_SCOPE_NOT_FOUND
487	Attempt to access invalid address.	ERROR_INVALID_ADDRESS
534	Arithmetic result exceeded 32 bits.	ERROR_ARITHMETIC_OVERFLOW
535	There is a process on other end of the pipe.	ERROR_PIPE_CONNECTED
536	Waiting for a process to open the other end of the pipe.	ERROR_PIPE_LISTENING
994	Access to the extended attribute was denied.	ERROR_EA_ACCESS_DENIED
995	The I/O operation has been aborted because of either a thread exit or an application request.	ERROR_OPERATION_ABORTED
996	Overlapped I/O event is not in a signaled state.	ERROR_IO_INCOMPLETE
997	Overlapped I/O operation is in progress.	ERROR_IO_PENDING
998	Invalid access to memory location.	ERROR_NOACCESS
999	Error performing inpage operation.	ERROR_SWAPERROR
1001	Recursion too deep; the stack overflowed.	ERROR_STACK_OVERFLOW
1002	The window cannot act on the sent message.	ERROR_INVALID_MESSAGE
1003	Cannot complete this function.	ERROR_CAN_NOT_COMPLETE
1004	Invalid flags.	ERROR_INVALID_FLAGS
1005	The volume does not contain a recognized file system. Please make sure that all required file system drivers are loaded and that the volume is not corrupted.	ERROR_UNRECOGNIZED_VOLUME
1006	The volume for a file has been externally altered so that the opened file is no longer valid.	ERROR_FILE_INVALID
1007	The requested operation cannot be performed in full-screen mode.	ERROR_FULLSCREEN_MODE
1008	An attempt was made to reference a token that does not exist.	ERROR_NO_TOKEN
1009	The configuration registry database is corrupt.	ERROR_BADDB
1010	The configuration registry key is invalid.	ERROR_BADKEY
1011	The configuration registry key could not be opened.	ERROR_CANTOPEN
1012	The configuration registry key could not be read.	ERROR_CANTREAD
1013	The configuration registry key could not be written.	ERROR_CANTWRITE
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_REGISTRY_RECOVERED
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_CORRUPT
1016	An I/O operation initiated by the registry failed unrecoverably. The registry could not read in, or write out, or flush, one of the files that contain the system's image of the registry.	ERROR_REGISTRY_IO_FAILED
1017	The system has attempted to load or restore a file into the registry, but the specified file is not in a registry file format.	ERROR_NOT_REGISTRY_FILE

1018	Illegal operation attempted on a registry key that has been marked for deletion.	ERROR_KEY_DELETED
1019	System could not allocate the required space in a registry log.	ERROR_NO_LOG_SPACE
1020	Cannot create a symbolic link in a registry key that already has subkeys or values.	ERROR_KEY_HAS_CHILDREN
1021	Cannot create a stable subkey under a volatile parent key.	ERROR_CHILD_MUST_BE_VOLATILE
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_NOTIFY_ENUM_DIR
1051	A stop control has been sent to a service that other running services are dependent on.	ERROR_DEPENDENT_SERVICES_RUNNING
1052	The requested control is not valid for this service.	ERROR_INVALID_SERVICE_CONTROL
1053	The service did not respond to the start or control request in a timely fashion.	ERROR_SERVICE_REQUEST_TIMEOUT
1054	A thread could not be created for the service.	ERROR_SERVICE_NO_THREAD
1055	The service database is locked.	ERROR_SERVICE_DATABASE_LOCKED
1056	An instance of the service is already running.	ERROR_SERVICE_ALREADY_RUNNING
1057	The account name is invalid or does not exist, or the password is invalid for the account name specified.	ERROR_INVALID_SERVICE_ACCOUNT
1058	The service cannot be started, either because it is disabled or because it has no enabled devices associated with it.	ERROR_SERVICE_DISABLED
1059	Circular service dependency was specified.	ERROR_CIRCULAR_DEPENDENCY
1060	The specified service does not exist as an installed service.	ERROR_SERVICE_DOES_NOT_EXIST
1061	The service cannot accept control messages at this time.	ERROR_SERVICE_CANNOT_ACCEPT_CTRL
1062	The service has not been started.	ERROR_SERVICE_NOT_ACTIVE
1063	The service process could not connect to the service controller.	ERROR_FAILED_SERVICE_CONTROLLER_CONNECT
1064	An exception occurred in the service when handling the control request.	ERROR_EXCEPTION_IN_SERVICE
1065	The database specified does not exist.	ERROR_DATABASE_DOES_NOT_EXIST
1066	The service has returned a service-specific error code.	ERROR_SERVICE_SPECIFIC_ERROR
1067	The process terminated unexpectedly.	ERROR_PROCESS_ABORTED
1068	The dependency service or group failed to start.	ERROR_SERVICE_DEPENDENCY_FAIL
1069	The service did not start due to a logon failure.	ERROR_SERVICE_LOGON_FAILED
1070	After starting, the service hung in a start-pending state.	ERROR_SERVICE_START_HANG
1071	The specified service database lock is invalid.	ERROR_INVALID_SERVICE_LOCK
1072	The specified service has been marked for deletion.	ERROR_SERVICE_MARKED_FOR_DELETE
1073	The specified service already exists.	ERROR_SERVICE_EXISTS
1074	The system is currently running with the last-known-good configuration.	ERROR_ALREADY_RUNNING_LKG
1075	The dependency service does not exist or has been marked for deletion.	ERROR_SERVICE_DEPENDENCY_DELETED
1076	The current boot has already been accepted for use as the last-known-good control set.	ERROR_BOOT_ALREADY_ACCEPTED

1077	No attempts to start the service have been made since the last boot.	ERROR_SERVICE_NEVER_STARTED
1078	The name is already in use as either a service name or a service display name.	ERROR_DUPLICATE_SERVICE_NAME
1079	The account specified for this service is different from the account specified for other services running in the same process.	ERROR_DIFFERENT_SERVICE_ACCOUNT
1080	Failure actions can only be set for Win32 services, not for drivers.	ERROR_CANNOT_DETECT_DRIVER_FAILURE
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_DETECT_PROCESS_ABORT
1082	No recovery program has been configured for this service.	ERROR_NO_RECOVERY_PROGRAM
1083	The executable program that this service is configured to run in does not implement the service.	ERROR_SERVICE_NOT_IN_EXE
1084	This service cannot be started in Safe Mode.	ERROR_NOT_SAFEBOOT_SERVICE
1100	The physical end of the tape has been reached.	ERROR_END_OF_MEDIA
1101	A tape access reached a filemark.	ERROR_FILEMARK_DETECTED
1102	The beginning of the tape or a partition was encountered.	ERROR_BEGINNING_OF_MEDIA
1103	A tape access reached the end of a set of files.	ERROR_SETMARK_DETECTED
1104	No more data is on the tape.	ERROR_NO_DATA_DETECTED
1105	Tape could not be partitioned.	ERROR_PARTITION_FAILURE
1106	When accessing a new tape of a multivolume partition, the current block size is incorrect.	ERROR_INVALID_BLOCK_LENGTH
1107	Tape partition information could not be found when loading a tape.	ERROR_DEVICE_NOT_PARTITIONED
1108	Unable to lock the media eject mechanism.	ERROR_UNABLE_TO_LOCK_MEDIA
1109	Unable to unload the media.	ERROR_UNABLE_TO_UNLOAD_MEDIA
1110	The media in the drive may have changed.	ERROR_MEDIA_CHANGED
1111	The I/O bus was reset.	ERROR_BUS_RESET
1112	No media in drive.	ERROR_NO_MEDIA_IN_DRIVE
1113	No mapping for the Unicode character exists in the target multi-byte code page.	ERROR_NO_UNICODE_TRANSLATION
1114	A dynamic link library (DLL) initialization routine failed.	ERROR_DLL_INIT_FAILED
1115	A system shutdown is in progress.	ERROR_SHUTDOWN_IN_PROGRESS
1116	Unable to abort the system shutdown because no shutdown was in progress.	ERROR_NO_SHUTDOWN_IN_PROGRESS
1117	The request could not be performed because of an I/O device error.	ERROR_IO_DEVICE
1118	No serial device was successfully initialized. The serial driver will unload.	ERROR_SERIAL_NO_DEVICE
1119	Unable to open a device that was sharing an interrupt request (IRQ) with other devices. At least one other device that uses that IRQ was already opened.	ERROR_IRQ_BUSY
1120	A serial I/O operation was completed by another write to the serial port. (The IOCTL_SERIAL_XOFF_COUNTER reached zero.)	ERROR_MORE_WRITES
1121	A serial I/O operation completed because the timeout period expired. (The IOCTL_SERIAL_XOFF_COUNTER did not reach zero.)	ERROR_COUNTER_TIMEOUT
1122	No ID address mark was found on the floppy disk.	ERROR_FLOPPY_ID_MARK_NOT_FOUND

1123	Mismatch between the floppy disk sector ID field and the floppy disk controller track address.	ERROR_FLOPPY_WRONG_CYLINDER
1124	The floppy disk controller reported an error that is not recognized by the floppy disk driver.	ERROR_FLOPPY_UNKNOWN_ERROR
1125	The floppy disk controller returned inconsistent results in its registrys.	ERROR_FLOPPY_BAD_REGISTRYS
1126	While accessing the hard disk, a recalibrate operation failed, even after retries.	ERROR_DISK_RECALIBRATE_FAILED
1127	While accessing the hard disk, a disk operation failed even after retries.	ERROR_DISK_OPERATION_FAILED
1128	While accessing the hard disk, a disk controller reset was needed, but even that failed.	ERROR_DISK_RESET_FAILED
1129	Physical end of tape encountered.	ERROR_EOM_OVERFLOW
1130	Not enough server storage is available to process this command.	ERROR_NOT_ENOUGH_SERVER_MEMORY
1131	A potential deadlock condition has been detected.	ERROR_POSSIBLE_DEADLOCK
1132	The base address or the file offset specified does not have the proper alignment.	ERROR_MAPPED_ALIGNMENT
1140	An attempt to change the system power state was vetoed by another application or driver.	ERROR_SET_POWER_STATE_VETOED
1141	The system BIOS failed an attempt to change the system power state.	ERROR_SET_POWER_STATE_FAILED
1142	An attempt was made to create more links on a file than the file system supports.	ERROR_TOO_MANY_LINKS
1150	The specified program requires a newer version of Windows.	ERROR_OLD_WIN_VERSION
1151	The specified program is not a Windows or MS-DOS program.	ERROR_APP_WRONG_OS
1152	Cannot start more than one instance of the specified program.	ERROR_SINGLE_INSTANCE_APP
1153	The specified program was written for an earlier version of Windows.	ERROR_RMODE_APP
1154	One of the library files needed to run this application is damaged.	ERROR_INVALID_DLL
1155	No application is associated with the specified file for this operation.	ERROR_NO_ASSOCIATION
1156	An error occurred in sending the command to the application.	ERROR_DDE_FAIL
1157	One of the library files needed to run this application cannot be found.	ERROR_DLL_NOT_FOUND
1158	The current process has used all of its system allowance of handles for Window Manager objects.	ERROR_NO_MORE_USER_HANDLES
1159	The message can be used only with synchronous operations.	ERROR_MESSAGE_SYNC_ONLY
1160	The indicated source element has no media.	ERROR_SOURCE_ELEMENT_EMPTY
1161	The indicated destination element already contains media.	ERROR_DESTINATION_ELEMENT_FULL
1162	The indicated element does not exist.	ERROR_ILLEGAL_ELEMENT_ADDRESS
1163	The indicated element is part of a magazine that is not present.	ERROR_MAGAZINE_NOT_PRESENT
1164	The indicated device requires reinitialization due to hardware errors.	ERROR_DEVICE_REINITIALIZATION_NEEDED
1165	The device has indicated that cleaning is required before further operations are attempted.	ERROR_DEVICE_REQUIRES_CLEANING
1166	The device has indicated that its door is open.	ERROR_DEVICE_DOOR_OPEN
1167	The device is not connected.	ERROR_DEVICE_NOT_CONNECTED

1168	Element not found.	ERROR_NOT_FOUND
1169	There was no match for the specified key in the index.	ERROR_NO_MATCH
1170	The property set specified does not exist on the object.	ERROR_SET_NOT_FOUND
1171	The point passed to GetMouseMovePointsEx is not in the buffer.	ERROR_POINT_NOT_FOUND
1172	The tracking (workstation) service is not running.	ERROR_NO_TRACKING_SERVICE
1173	The Volume ID could not be found.	ERROR_NO_VOLUME_ID
1175	Unable to remove the file to be replaced.	ERROR_UNABLE_TO_REMOVE_REPLACED
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
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_MOVE_REPLACEMENT_2
1178	The volume change journal is being deleted.	ERROR_JOURNAL_DELETE_IN_PROGRESS
1179	The volume change journal is not active.	ERROR_JOURNAL_NOT_ACTIVE
1180	A file was found, but it may not be the correct file.	ERROR_POTENTIAL_FILE_FOUND
1181	The journal entry has been deleted from the journal.	ERROR_JOURNAL_ENTRY_DELETED
1200	The specified device name is invalid.	ERROR_BAD_DEVICE
1201	The device is not currently connected but it is a remembered connection.	ERROR_CONNECTION_UNAVAIL
1202	The local device name has a remembered connection to another network resource.	ERROR_DEVICE_ALREADY_REMEMBERED
1203	No network provider accepted the given network path.	ERROR_NO_NET_OR_BAD_PATH
1204	The specified network provider name is invalid.	ERROR_BAD_PROVIDER
1205	Unable to open the network connection profile.	ERROR_CANNOT_OPEN_PROFILE
1206	The network connection profile is corrupted.	ERROR_BAD_PROFILE
1207	Cannot enumerate a noncontainer.	ERROR_NOT_CONTAINER
1208	An extended error has occurred.	ERROR_EXTENDED_ERROR
1209	The format of the specified group name is invalid.	ERROR_INVALID_GROUPNAME
1210	The format of the specified computer name is invalid.	ERROR_INVALID_COMPUTERNAME
1211	The format of the specified event name is invalid.	ERROR_INVALID_EVENTNAME
1212	The format of the specified domain name is invalid.	ERROR_INVALID_DOMAINNAME
1213	The format of the specified service name is invalid.	ERROR_INVALID_SERVICENAME
1214	The format of the specified network name is invalid.	ERROR_INVALID_NETNAME
1215	The format of the specified share name is invalid.	ERROR_INVALID_SHARENAME
1216	The format of the specified password is invalid.	ERROR_INVALID_PASSWORDNAME
1217	The format of the specified message name is invalid.	ERROR_INVALID_MESSAGENAME
1218	The format of the specified message destination is invalid.	ERROR_INVALID_MESSAGEDEST

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_SESSION_CREDENTIAL_CONFLICT
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_SESSION_LIMIT_EXCEEDED
1221	The workgroup or domain name is already in use by another computer on the network.	ERROR_DUP_DOMAINNAME
1222	The network is not present or not started.	ERROR_NO_NETWORK
1223	The operation was cancelled by the user.	ERROR_CANCELLED
1224	The requested operation cannot be performed on a file with a user-mapped section open.	ERROR_USER_MAPPED_FILE
1225	The remote system refused the network connection.	ERROR_CONNECTION_REFUSED
1226	The network connection was gracefully closed.	ERROR_GRACEFUL_DISCONNECT
1227	The network transport endpoint already has an address associated with it.	ERROR_ADDRESS_ALREADY_ASSOCIATED
1228	An address has not yet been associated with the network endpoint.	ERROR_ADDRESS_NOT_ASSOCIATED
1229	An operation was attempted on a nonexistent network connection.	ERROR_CONNECTION_INVALID
1230	An invalid operation was attempted on an active network connection.	ERROR_CONNECTION_ACTIVE
1231	The network location cannot be reached. For information about network troubleshooting, see Windows Help.	ERROR_NETWORK_UNREACHABLE
1232	The network location cannot be reached. For information about network troubleshooting, see Windows Help.	ERROR_HOST_UNREACHABLE
1233	The network location cannot be reached. For information about network troubleshooting, see Windows Help.	ERROR_PROTOCOL_UNREACHABLE
1234	No service is operating at the destination network endpoint on the remote system.	ERROR_PORT_UNREACHABLE
1235	The request was aborted.	ERROR_REQUEST_ABORTED
1236	The network connection was aborted by the local system.	ERROR_CONNECTION_ABORTED
1237	The operation could not be completed. A retry should be performed.	ERROR_RETRY
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_COUNT_LIMIT
1239	Attempting to log in during an unauthorized time of day for this account.	ERROR_LOGIN_TIME_RESTRICTION
1240	The account is not authorized to log in from this station.	ERROR_LOGIN_WKSTA_RESTRICTION
1241	The network address could not be used for the operation requested.	ERROR_INCORRECT_ADDRESS
1242	The service is already entered into the registry.	ERROR_ALREADY_REGISTRYED
1243	The specified service does not exist.	ERROR_SERVICE_NOT_FOUND
1244	The operation being requested was not performed because the user has not been authenticated.	ERROR_NOT_AUTHENTICATED
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_LOGGED_ON
1246	Continue with work in progress.	ERROR_CONTINUE

1247	An attempt was made to perform an initialization operation when initialization has already been completed.	ERROR_ALREADY_INITIALIZED
1248	No more local devices.	ERROR_NO_MORE_DEVICES
1249	The specified site does not exist.	ERROR_NO_SUCH_SITE
1250	A domain controller with the specified name already exists.	ERROR_DOMAIN_CONTROLLER_EXISTS
1251	This operation is supported only when you are connected to the server.	ERROR_ONLY_IF_CONNECTED
1252	The group policy framework should call the extension even if there are no changes.	ERROR_OVERRIDE_NOCHANGES
1253	The specified user does not have a valid profile.	ERROR_BAD_USER_PROFILE
1254	This operation is not supported on a Microsoft Small Business Server.	ERROR_NOT_SUPPORTED_ON_SBS
1255	The server machine is shutting down.	ERROR_SERVER_SHUTDOWN_IN_PROGRESS
1256	The remote system is not available. For information about network troubleshooting, see Windows Help.	ERROR_HOST_DOWN
1257	The security identifier provided is not from an account domain.	ERROR_NON_ACCOUNT_SID
1258	The security identifier provided does not have a domain component.	ERROR_NON_DOMAIN_SID
1259	AppHelp dialog canceled thus preventing the application from starting.	ERROR_APPHELP_BLOCK
1260	Windows cannot open this program because it has been prevented by a software restriction policy. For more information, open Event Viewer or contact your system administrator.	ERROR_ACCESS_DISABLED_BY_POLICY
1261	A program attempt to use an invalid registry value. Normally caused by an uninitialized registry. This error is Itanium specific.	ERROR_REG_NAT_CONSUMPTION
1262	The share is currently offline or does not exist.	ERROR_CSCSHARE_OFFLINE
1263	The kerberos protocol encountered an error while validating the KDC certificate during smartcard logon.	ERROR_PKINIT_FAILURE
1264	The kerberos protocol encountered an error while attempting to utilize the smartcard subsystem.	ERROR_SMARTCARD_SUBSYSTEM_FAILURE
1265	The system detected a possible attempt to compromise security. Please ensure that you can contact the server that authenticated you.	ERROR_DOWNGRADE_DETECTED
1266	The smartcard certificate used for authentication has been revoked. Please contact your system administrator. There may be additional information in the event log.	SEC_E_SMARTCARD_CERT_REVOKED
1267	A non-trusted certificate authority was detected while processing the smartcard certificate used for authentication. Please contact your system administrator.	SEC_E_ISSUING_CA_UNTRUSTED
1268	The revocation status of the smartcard certificate used for authentication could not be determined. Please contact your system administrator.	SEC_E_REVOCATION_OFFLINE_C
1269	The smartcard certificate used for authentication was not trusted. Please contact your system administrator.	SEC_E_PKINIT_CLIENT_FAILUR
1270	The smartcard certificate used for authentication has expired. Please contact your system administrator.	SEC_E_SMARTCARD_CERT_EXPIRED
1271	The machine is locked and cannot be shut down without the force option.	ERROR_MACHINE_LOCKED
1273	An application-defined callback gave invalid data when called.	ERROR_CALLBACK_SUPPLIED_INVALID_DATA
1274	The group policy framework should call the extension in the synchronous foreground policy refresh.	ERROR_SYNC_FOREGROUND_REFRESH_REQUIRED

1275	This driver has been blocked from loading.	ERROR_DRIVER_BLOCKED
1276	A dynamic link library (DLL) referenced a module that was neither a DLL nor the process's executable image.	ERROR_INVALID_IMPORT_OF_NON_DLL
1277	Windows cannot open this program since it has been disabled.	ERROR_ACCESS_DISABLED_WEBBLADE
1278	Windows cannot open this program because the license enforcement system has been tampered with or become corrupted.	ERROR_ACCESS_DISABLED_WEBBLADE_TAMPER
1279	A transaction recovery failed.	ERROR_RECOVERY_FAILURE
1280	The current thread has already been converted to a fiber.	ERROR_ALREADY_FIBER
1281	The current thread has already been converted from a fiber.	ERROR_ALREADY_THREAD
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_BUFFER_OVERRUN
1283	Data present in one of the parameters is more than the function can operate on.	ERROR_PARAMETER_QUOTA_EXCEEDED
1284	An attempt to do an operation on a debug object failed because the object is in the process of being deleted.	ERROR_DEBUGGER_INACTIVE
1300	Not all privileges referenced are assigned to the caller.	ERROR_NOT_ALL_ASSIGNED
1301	Some mapping between account names and security IDs was not done.	ERROR_SOME_NOT_MAPPED
1302	No system quota limits are specifically set for this account.	ERROR_NO_QUOTAS_FOR_ACCOUNT
1303	No encryption key is available. A well-known encryption key was returned.	ERROR_LOCAL_USER_SESSION_KEY
1304	The password is too complex to be converted to a LAN Manager password. The LAN Manager password returned is a NULL string.	ERROR_NULL_LM_PASSWORD
1305	The revision level is unknown.	ERROR_UNKNOWN_REVISION
1306	Indicates two revision levels are incompatible.	ERROR_REVISION_MISMATCH
1307	This security ID may not be assigned as the owner of this object.	ERROR_INVALID_OWNER
1308	This security ID may not be assigned as the primary group of an object.	ERROR_INVALID_PRIMARY_GROUP
1309	An attempt has been made to operate on an impersonation token by a thread that is not currently impersonating a client.	ERROR_NO_IMPERSONATION_TOKEN
1310	The group may not be disabled.	ERROR_CANT_DISABLE_MANDATORY
1311	There are currently no logon servers available to service the logon request.	ERROR_NO_LOGON_SERVERS
1312	A specified logon session does not exist. It may already have been terminated.	ERROR_NO_SUCH_LOGON_SESSION
1313	A specified privilege does not exist.	ERROR_NO_SUCH_PRIVILEGE
1314	A required privilege is not held by the client.	ERROR_PRIVILEGE_NOT_HELD
1315	The name provided is not a properly formed account name.	ERROR_INVALID_ACCOUNT_NAME
1316	The specified user already exists.	ERROR_USER_EXISTS
1317	The specified user does not exist.	ERROR_NO_SUCH_USER
1318	The specified group already exists.	ERROR_GROUP_EXISTS
1319	The specified group does not exist.	ERROR_NO_SUCH_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_IN_GROUP

1321	The specified user account is not a member of the specified group account.	ERROR_MEMBER_NOT_IN_GROUP
1322	The last remaining administration account cannot be disabled or deleted.	ERROR_LAST_ADMIN
1323	Unable to update the password. The value provided as the current password is incorrect.	ERROR_WRONG_PASSWORD
1324	Unable to update the password. The value provided for the new password contains values that are not allowed in passwords.	ERROR_ILL_FORMED_PASSWORD
1325	Unable to update the password. The value provided for the new password does not meet the length, complexity, or history requirement of the domain.	ERROR_PASSWORD_RESTRICTION
1326	Logon failure: unknown user name or bad password.	ERROR_LOGON_FAILURE
1327	Logon failure: user account restriction. Possible reasons are blank passwords not allowed, logon hour restrictions, or a policy restriction has been enforced.	ERROR_ACCOUNT_RESTRICTION
1328	Logon failure: account logon time restriction violation.	ERROR_INVALID_LOGON_HOURS
1329	Logon failure: user not allowed to log on to this computer.	ERROR_INVALID_WORKSTATION
1330	Logon failure: the specified account password has expired.	ERROR_PASSWORD_EXPIRED
1331	Logon failure: account currently disabled.	ERROR_ACCOUNT_DISABLED
1332	No mapping between account names and security IDs was done.	ERROR_NONE_MAPPED
1333	Too many local user identifiers (LUIDs) were requested at one time.	ERROR_TOO_MANY_LUIDS_REQUESTED
1334	No more local user identifiers (LUIDs) are available.	ERROR_LUIDS_EXHAUSTED
1335	The sub-authority part of a security ID is invalid for this particular use.	ERROR_INVALID_SUB_AUTHORITY
1336	The access control list (ACL) structure is invalid.	ERROR_INVALID_ACL
1337	The security ID structure is invalid.	ERROR_INVALID_SID
1338	The security descriptor structure is invalid.	ERROR_INVALID_SECURITY_DESCR
1340	The inherited access control list (ACL) or access control entry (ACE) could not be built.	ERROR_BAD_INHERITANCE_ACL
1341	The server is currently disabled.	ERROR_SERVER_DISABLED
1342	The server is currently enabled.	ERROR_SERVER_NOT_DISABLED
1343	The value provided was an invalid value for an identifier authority.	ERROR_INVALID_ID_AUTHORITY
1344	No more memory is available for security information updates.	ERROR_ALLOTTED_SPACE_EXCEEDED
1345	The specified attributes are invalid, or incompatible with the attributes for the group as a whole.	ERROR_INVALID_GROUP_ATTRIBUTES
1346	Either a required impersonation level was not provided, or the provided impersonation level is invalid.	ERROR_BAD_IMPERSONATION_LEVEL
1347	Cannot open an anonymous level security token.	ERROR_CANT_OPEN_ANONYMOUS
1348	The validation information class requested was invalid.	ERROR_BAD_VALIDATION_CLASS
1349	The type of the token is inappropriate for its attempted use.	ERROR_BAD_TOKEN_TYPE
1350	Unable to perform a security operation on an object that has no associated security.	ERROR_NO_SECURITY_ON_OBJECT
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_DOMAIN_INFO

1352	The security account manager (SAM) or local security authority (LSA) server was in the wrong state to perform the security operation.	ERROR_INVALID_SERVER_STATE
1353	The domain was in the wrong state to perform the security operation.	ERROR_INVALID_DOMAIN_STATE
1354	This operation is only allowed for the Primary Domain Controller of the domain.	ERROR_INVALID_DOMAIN_ROLE
1355	The specified domain either does not exist or could not be contacted.	ERROR_NO_SUCH_DOMAIN
1356	The specified domain already exists.	ERROR_DOMAIN_EXISTS
1357	An attempt was made to exceed the limit on the number of domains per server.	ERROR_DOMAIN_LIMIT_EXCEEDED
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_CORRUPTION
1359	An internal error occurred.	ERROR_INTERNAL_ERROR
1360	Generic access types were contained in an access mask which should already be mapped to non-generic types.	ERROR_GENERIC_NOT_MAPPED
1361	A security descriptor is not in the right format (absolute or self-relative).	ERROR_BAD_DESCRIPTOR_FORMAT
1362	The requested action is restricted for use by logon processes only. The calling process has not been entered in the registry as a logon process.	ERROR_NOT_LOGON_PROCESS
1363	Cannot start a new logon session with an ID that is already in use.	ERROR_LOGON_SESSION_EXISTS
1364	A specified authentication package is unknown.	ERROR_NO_SUCH_PACKAGE
1365	The logon session is not in a state that is consistent with the requested operation.	ERROR_BAD_LOGON_SESSION_STATE
1366	The logon session ID is already in use.	ERROR_LOGON_SESSION_COLLISION
1367	A logon request contained an invalid logon type value.	ERROR_INVALID_LOGON_TYPE
1368	Unable to impersonate using a named pipe until data has been read from that pipe.	ERROR_CANNOT_IMPERSONATE
1369	The transaction state of a registry sub-tree is incompatible with the requested operation.	ERROR_RXACT_INVALID_STATE
1370	An internal security database corruption has been encountered.	ERROR_RXACT_COMMIT_FAILURE
1371	Cannot perform this operation on built-in accounts.	ERROR_SPECIAL_ACCOUNT
1372	Cannot perform this operation on this built-in special group.	ERROR_SPECIAL_GROUP
1373	Cannot perform this operation on this built-in special user.	ERROR_SPECIAL_USER
1374	The user cannot be removed from a group because the group is currently the user's primary group.	ERROR_MEMBERS_PRIMARY_GROUP
1375	The token is already in use as a primary token.	ERROR_TOKEN_ALREADY_IN_USE
1376	The specified local group does not exist.	ERROR_NO_SUCH_ALIAS
1377	The specified account name is not a member of the local group.	ERROR_MEMBER_NOT_IN_ALIAS
1378	The specified account name is already a member of the local group.	ERROR_MEMBER_IN_ALIAS
1379	The specified local group already exists.	ERROR_ALIAS_EXISTS
1380	Logon failure: the user has not been granted the requested logon type at this computer.	ERROR_LOGON_NOT_GRANTED
1381	The maximum number of secrets that may be stored in a single system has been exceeded.	ERROR_TOO_MANY_SECRETS

1382	The length of a secret exceeds the maximum length allowed.	ERROR_SECRET_TOO_LONG
1383	The local security authority database contains an internal inconsistency.	ERROR_INTERNAL_DB_ERROR
1384	During a logon attempt, the user's security context accumulated too many security IDs.	ERROR_TOO_MANY_CONTEXT_IDS
1385	Logon failure: the user has not been granted the requested logon type at this computer.	ERROR_LOGON_TYPE_NOT_GRANTED
1386	A cross-encrypted password is necessary to change a user password.	ERROR_NT_CROSS_ENCRYPTION_REQUIRED
1387	A new member could not be added to or removed from the local group because the member does not exist.	ERROR_NO_SUCH_MEMBER
1388	A new member could not be added to a local group because the member has the wrong account type.	ERROR_INVALID_MEMBER
1389	Too many security IDs have been specified.	ERROR_TOO_MANY_SIDS
1390	A cross-encrypted password is necessary to change this user password.	ERROR_LM_CROSS_ENCRYPTION_REQUIRED
1391	Indicates an ACL contains no inheritable components.	ERROR_NO_INHERITANCE
1392	The file or directory is corrupted and unreadable.	ERROR_FILE_CORRUPT
1393	The disk structure is corrupted and unreadable.	ERROR_DISK_CORRUPT
1394	There is no user session key for the specified logon session.	ERROR_NO_USER_SESSION_KEY
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 there are already as many connections as the service can accept.	ERROR_LICENSE_QUOTA_EXCEEDED
1396	Logon Failure: The target account name is incorrect.	ERROR_WRONG_TARGET_NAME
1397	Mutual Authentication failed. The server's password is out of date at the domain controller.	ERROR_MUTUAL_AUTH_FAILED
1398	There is a time and/or date difference between the client and server.	ERROR_TIME_SKEW
1399	This operation cannot be performed on the current domain.	ERROR_CURRENT_DOMAIN_NOT_ALLOWED
1400	Invalid window handle.	ERROR_INVALID_WINDOW_HANDLE
1401	Invalid menu handle.	ERROR_INVALID_MENU_HANDLE
1402	Invalid cursor handle.	ERROR_INVALID_CURSOR_HANDLE
1403	Invalid accelerator table handle.	ERROR_INVALID_ACCEL_HANDLE
1404	Invalid hook handle.	ERROR_INVALID_HOOK_HANDLE
1405	Invalid handle to a multiple-window position structure.	ERROR_INVALID_DWP_HANDLE
1406	Cannot create a top-level child window.	ERROR_TLW_WITH_WSCHILD
1407	Cannot find window class.	ERROR_CANNOT_FIND_WND_CLASS
1408	Invalid window; it belongs to other thread.	ERROR_WINDOW_OF_OTHER_THREAD
1409	Hot key is already entered in the registry	ERROR_HOTKEY_ALREADY_REGISTRYED
1410	Class already exists.	ERROR_CLASS_ALREADY_EXISTS
1411	Class does not exist.	ERROR_CLASS_DOES_NOT_EXIST
1412	Class still has open windows.	ERROR_CLASS_HAS_WINDOWS

1413	Invalid index.	ERROR_INVALID_INDEX
1414	Invalid icon handle.	ERROR_INVALID_ICON_HANDLE
1415	Using private DIALOG window words.	ERROR_PRIVATE_DIALOG_INDEX
1416	The list box identifier was not found.	ERROR_LISTBOX_ID_NOT_FOUND
1417	No wildcards were found.	ERROR_NO_WILDCARD_CHARACTERS
1418	Thread does not have a clipboard open.	ERROR_CLIPBOARD_NOT_OPEN
1419	Hot key is not entered in the registry	ERROR_HOTKEY_NOT_REGISTRYED
1420	The window is not a valid dialog window.	ERROR_WINDOW_NOT_DIALOG
1421	Control ID not found.	ERROR_CONTROL_ID_NOT_FOUND
1422	Invalid message for a combo box because it does not have an edit control.	ERROR_INVALID_COMBOBOX_MESSAGE
1423	The window is not a combo box.	ERROR_WINDOW_NOT_COMBOBOX
1424	Height must be less than 256.	ERROR_INVALID_EDIT_HEIGHT
1425	Invalid device context (DC) handle.	ERROR_DC_NOT_FOUND
1426	Invalid hook procedure type.	ERROR_INVALID_HOOK_FILTER
1427	Invalid hook procedure.	ERROR_INVALID_FILTER_PROC
1428	Cannot set non-local hook without a module handle.	ERROR_HOOK_NEEDS_HMOD
1429	This hook procedure can only be set globally.	ERROR_GLOBAL_ONLY_HOOK
1430	The journal hook procedure is already installed.	ERROR_JOURNAL_HOOK_SET
1431	The hook procedure is not installed.	ERROR_HOOK_NOT_INSTALLED
1432	Invalid message for single-selection list box.	ERROR_INVALID_LB_MESSAGE
1433	LB_SETCOUNT sent to non-lazy list box.	ERROR_SETCOUNT_ON_BAD_LB
1434	This list box does not support tab stops.	ERROR_LB_WITHOUT_TABSTOPS
1435	Cannot destroy object created by another thread.	ERROR_DESTROY_OBJECT_OF_OTHER_THREAD
1436	Child windows cannot have menus.	ERROR_CHILD_WINDOW_MENU
1437	The window does not have a system menu.	ERROR_NO_SYSTEM_MENU
1438	Invalid message box style.	ERROR_INVALID_MSGBOX_STYLE
1439	Invalid system-wide (SPI_*) parameter.	ERROR_INVALID_SPI_VALUE
1440	Screen already locked.	ERROR_SCREEN_ALREADY_LOCKED
1441	All handles to windows in a multiple-window position structure must have the same parent.	ERROR_HWNDS_HAVE_DIFF_PARENT
1442	The window is not a child window.	ERROR_NOT_CHILD_WINDOW
1443	Invalid GW_* command.	ERROR_INVALID_GW_COMMAND
1444	Invalid thread identifier.	ERROR_INVALID_THREAD_ID
1445	Cannot process a message from a window that is not a multiple document interface (MDI) window.	ERROR_NON_MDICHILD_WINDOW

1446	Popup menu already active.	ERROR_POPUP_ALREADY_ACTIVE
1447	The window does not have scroll bars.	ERROR_NO_SCROLLBARS
1448	Scroll bar range cannot be greater than MAXLONG.	ERROR_INVALID_SCROLLBAR_RANGE
1449	Cannot show or remove the window in the way specified.	ERROR_INVALID_SHOWWIN_COMMAND
1450	Insufficient system resources exist to complete the requested service.	ERROR_NO_SYSTEM_RESOURCES
1451	Insufficient system resources exist to complete the requested service.	ERROR_NONPAGED_SYSTEM_RESOURCES
1452	Insufficient system resources exist to complete the requested service.	ERROR_PAGED_SYSTEM_RESOURCES
1453	Insufficient quota to complete the requested service.	ERROR_WORKING_SET_QUOTA
1454	Insufficient quota to complete the requested service.	ERROR_PAGEFILE_QUOTA
1455	The paging file is too small for this operation to complete.	ERROR_COMMITMENT_LIMIT
1456	A menu item was not found.	ERROR_MENU_ITEM_NOT_FOUND
1457	Invalid keyboard layout handle.	ERROR_INVALID_KEYBOARD_HANDLE
1458	Hook type not allowed.	ERROR_HOOK_TYPE_NOT_ALLOWED
1459	This operation requires an interactive window station.	ERROR_REQUIRES_INTERACTIVE_WINDOWSTATION
1460	This operation returned because the timeout period expired.	ERROR_TIMEOUT
1461	Invalid monitor handle.	ERROR_INVALID_MONITOR_HANDLE
1500	The event log file is corrupted.	ERROR_EVENTLOG_FILE_CORRUPT
1501	No event log file could be opened, so the event logging service did not start.	ERROR_EVENTLOG_CANT_START
1502	The event log file is full.	ERROR_LOG_FILE_FULL
1503	The event log file has changed between read operations.	ERROR_EVENTLOG_FILE_CHANGED
1601	The Windows Installer service could not be accessed. This can occur if you are running Windows in safe mode, or if the Windows Installer is not correctly installed. Contact your support personnel for assistance.	ERROR_INSTALL_SERVICE_FAILURE
1602	User cancelled installation.	ERROR_INSTALL_USEREXIT
1603	Fatal error during installation.	ERROR_INSTALL_FAILURE
1604	Installation suspended, incomplete.	ERROR_INSTALL_SUSPEND
1605	This action is only valid for products that are currently installed.	ERROR_UNKNOWN_PRODUCT
1606	Feature ID not entered in registry	ERROR_UNKNOWN_FEATURE
1607	Component ID not entered in registry	ERROR_UNKNOWN_COMPONENT
1608	Unknown property.	ERROR_UNKNOWN_PROPERTY
1609	Handle is in an invalid state.	ERROR_INVALID_HANDLE_STATE
1610	The configuration data for this product is corrupt. Contact your support personnel.	ERROR_BAD_CONFIGURATION
1611	Component qualifier not present.	ERROR_INDEX_ABSENT
1612	The installation source for this product is not available. Verify that the source exists and that you can access it.	ERROR_INSTALL_SOURCE_ABSENT

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_PACKAGE_VERSION
1614	Product is uninstalled.	ERROR_PRODUCT_UNINSTALLED
1615	SQL query syntax invalid or unsupported.	ERROR_BAD_QUERY_SYNTAX
1616	Record field does not exist.	ERROR_INVALID_FIELD
1617	The device has been removed.	ERROR_DEVICE_REMOVED
1618	Another installation is already in progress. Complete that installation before proceeding with this install.	ERROR_INSTALL_ALREADY_RUNNING
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_OPEN_FAILED
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_INVALID
1621	There was an error starting the Windows Installer service user interface. Contact your support personnel.	ERROR_INSTALL_UI_FAILURE
1622	Error opening installation log file. Verify that the specified log file location exists and that you can write to it.	ERROR_INSTALL_LOG_FAILURE
1623	The language of this installation package is not supported by your system.	ERROR_INSTALL_LANGUAGE_UNSUPPORTED
1624	Error applying transforms. Verify that the specified transform paths are valid.	ERROR_INSTALL_TRANSFORM_FAILURE
1625	This installation is forbidden by system policy. Contact your system administrator.	ERROR_INSTALL_PACKAGE_REJECTED
1626	Function could not be executed.	ERROR_FUNCTION_NOT_CALLED
1627	Function failed during execution.	ERROR_FUNCTION_FAILED
1628	Invalid or unknown table specified.	ERROR_INVALID_TABLE
1629	Data supplied is of wrong type.	ERROR_DATATYPE_MISMATCH
1630	Data of this type is not supported.	ERROR_UNSUPPORTED_TYPE
1631	The Windows Installer service failed to start. Contact your support personnel.	ERROR_CREATE_FAILED
1632	The Temp folder is on a drive that is full or inaccessible. Free up space on the drive or verify that you have write permission on the Temp folder.	ERROR_INSTALL_TEMP_UNWRITABLE
1633	This installation package is not supported by this processor type. Contact your product vendor.	ERROR_INSTALL_PLATFORM_UNSUPPORTED
1634	Component not used on this computer.	ERROR_INSTALL_NOTUSED
1635	This patch package could not be opened. Verify that the patch package exists and that you can access it, or contact the application vendor to verify that this is a valid Windows Installer patch package.	ERROR_PATCH_PACKAGE_OPEN_FAILED
1636	This patch package could not be opened. Contact the application vendor to verify that this is a valid Windows Installer patch package.	ERROR_PATCH_PACKAGE_INVALID
1637	This patch 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_PACKAGE_UNSUPPORTED.
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 on the Control Panel.	ERROR_PRODUCT_VERSION

1639	Invalid command line argument. Consult the Windows Installer SDK for detailed command line help.	ERROR_INVALID_COMMAND_LINE
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_DISALLOWED
1641	The requested operation completed successfully. The system will be restarted so the changes can take effect.	ERROR_SUCCESS_REBOOT_INITIATED
1642	The upgrade patch cannot be installed by the Windows Installer service because the program to be upgraded may be missing, or the upgrade patch may 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 patch.	ERROR_PATCH_TARGET_NOT_FOUND
1643	The patch package is not permitted by software restriction policy.	ERROR_PATCH_PACKAGE_REJECTED
1644	One or more customizations are not permitted by software restriction policy.	ERROR_INSTALL_TRANSFORM_REJECTED
1645	The Windows Installer does not permit installation from a Remote Desktop Connection.	ERROR_INSTALL_REMOTE_PROHIBITED
1700	The string binding is invalid.	RPC_S_INVALID_STRING_BINDING
1701	The binding handle is not the correct type.	RPC_S_WRONG_KIND_OF_BINDING
1702	The binding handle is invalid.	RPC_S_INVALID_BINDING
1703	The RPC protocol sequence is not supported.	RPC_S_PROTSEQ_NOT_SUPPORTED
1704	The RPC protocol sequence is invalid.	RPC_S_INVALID_RPC_PROTSEQ
1705	The string universal unique identifier (UUID) is invalid.	RPC_S_INVALID_STRING_UUID
1706	The endpoint format is invalid.	RPC_S_INVALID_ENDPOINT_FORMAT
1707	The network address is invalid.	RPC_S_INVALID_NET_ADDR
1708	No endpoint was found.	RPC_S_NO_ENDPOINT_FOUND
1709	The timeout value is invalid.	RPC_S_INVALID_TIMEOUT
1710	The object universal unique identifier (UUID) was not found.	RPC_S_OBJECT_NOT_FOUND
1711	The object universal unique identifier (UUID) has already been entered in the registry	RPC_S_ALREADY_REGISTRYED
1712	The type universal unique identifier (UUID) has already been entered in the registry	RPC_S_TYPE_ALREADY_REGISTRYED
1713	The RPC server is already listening.	RPC_S_ALREADY_LISTENING
1714	No protocol sequences have been entered in the registry	RPC_S_NO_PROTSEQS_REGISTRYED
1715	The RPC server is not listening.	RPC_S_NOT_LISTENING
1716	The manager type is unknown.	RPC_S_UNKNOWN_MGR_TYPE
1717	The interface is unknown.	RPC_S_UNKNOWN_IF
1718	There are no bindings.	RPC_S_NO_BINDINGS
1719	There are no protocol sequences.	RPC_S_NO_PROTSEQS
1720	The endpoint cannot be created.	RPC_S_CANT_CREATE_ENDPOINT
1721	Not enough resources are available to complete this operation.	RPC_S_OUT_OF_RESOURCES
1722	The RPC server is unavailable.	RPC_S_SERVER_UNAVAILABLE

1723	The RPC server is too busy to complete this operation.	RPC_S_SERVER_TOO_BUSY
1724	The network options are invalid.	RPC_S_INVALID_NETWORK_OPTIONS
1725	There are no remote procedure calls active on this thread.	RPC_S_NO_CALL_ACTIVE
1726	The remote procedure call failed.	RPC_S_CALL_FAILED
1727	The remote procedure call failed and did not execute.	RPC_S_CALL_FAILED_DNE
1728	A remote procedure call (RPC) protocol error occurred.	RPC_S_PROTOCOL_ERROR
1730	The transfer syntax is not supported by the RPC server.	RPC_S_UNSUPPORTED_TRANS_SYN
1732	The universal unique identifier (UUID) type is not supported.	RPC_S_UNSUPPORTED_TYPE
1733	The tag is invalid.	RPC_S_INVALID_TAG
1734	The array bounds are invalid.	RPC_S_INVALID_BOUND
1735	The binding does not contain an entry name.	RPC_S_NO_ENTRY_NAME
1736	The name syntax is invalid.	RPC_S_INVALID_NAME_SYNTAX
1737	The name syntax is not supported.	RPC_S_UNSUPPORTED_NAME_SYNTAX
1739	No network address is available to use to construct a universal unique identifier (UUID).	RPC_S_UUID_NO_ADDRESS
1740	The endpoint is a duplicate.	RPC_S_DUPLICATE_ENDPOINT
1741	The authentication type is unknown.	RPC_S_UNKNOWN_AUTHN_TYPE
1742	The maximum number of calls is too small.	RPC_S_MAX_CALLS_TOO_SMALL
1743	The string is too long.	RPC_S_STRING_TOO_LONG
1744	The RPC protocol sequence was not found.	RPC_S_PROTSEQ_NOT_FOUND
1745	The procedure number is out of range.	RPC_S_PROCNUM_OUT_OF_RANGE
1746	The binding does not contain any authentication information.	RPC_S_BINDING_HAS_NO_AUTH
1747	The authentication service is unknown.	RPC_S_UNKNOWN_AUTHN_SERVICE
1748	The authentication level is unknown.	RPC_S_UNKNOWN_AUTHN_LEVEL
1749	The security context is invalid.	RPC_S_INVALID_AUTH_IDENTITY
1750	The authorization service is unknown.	RPC_S_UNKNOWN_AUTHZ_SERVICE
1751	The entry is invalid.	EPT_S_INVALID_ENTRY
1752	The server endpoint cannot perform the operation.	EPT_S_CANT_PERFORM_OP
1753	There are no more endpoints available from the endpoint mapper.	EPT_S_NOT_REGISTRYED
1754	No interfaces have been exported.	RPC_S_NOTHING_TO_EXPORT
1755	The entry name is incomplete.	RPC_S_INCOMPLETE_NAME
1756	The version option is invalid.	RPC_S_INVALID_VERS_OPTION
1757	There are no more members.	RPC_S_NO_MORE_MEMBERS
1758	There is nothing to un-export.	RPC_S_NOT_ALL_OBJS_UNEXPORTED
1759	The interface was not found.	RPC_S_INTERFACE_NOT_FOUND

1760	The entry already exists.	RPC_S_ENTRY_ALREADY_EXISTS
1761	The entry is not found.	RPC_S_ENTRY_NOT_FOUND
1762	The name service is unavailable.	RPC_S_NAME_SERVICE_UNAVAILABLE
1763	The network address family is invalid.	RPC_S_INVALID_NAF_ID
1764	The requested operation is not supported.	RPC_S_CANNOT_SUPPORT
1765	No security context is available to allow impersonation.	RPC_S_NO_CONTEXT_AVAILABLE
1766	An internal error occurred in a remote procedure call (RPC).	RPC_S_INTERNAL_ERROR
1767	The RPC server attempted an integer division by zero.	RPC_S_ZERO_DIVIDE
1768	An addressing error occurred in the RPC server.	RPC_S_ADDRESS_ERROR
1769	A floating-point operation at the RPC server caused a division by zero.	RPC_S_FP_DIV_ZERO
1770	A floating-point underflow occurred at the RPC server.	RPC_S_FP_UNDERFLOW
1771	A floating-point overflow occurred at the RPC server.	RPC_S_FP_OVERFLOW
1772	The list of RPC servers available for the binding of auto handles has been exhausted.	RPC_X_NO_MORE_ENTRIES
1773	Unable to open the character translation table file.	RPC_X_SS_CHAR_TRANS_OPEN_FAIL
1774	The file containing the character translation table has fewer than 512 bytes.	RPC_X_SS_CHAR_TRANS_SHORT_FILE
1775	A null context handle was passed from the client to the host during a remote procedure call.	RPC_X_SS_IN_NULL_CONTEXT
1777	The context handle changed during a remote procedure call.	RPC_X_SS_CONTEXT_DAMAGED
1778	The binding handles passed to a remote procedure call do not match.	RPC_X_SS_HANDLES_MISMATCH
1779	The stub is unable to get the remote procedure call handle.	RPC_X_SS_CANNOT_GET_CALL_HANDLE
1780	A null reference pointer was passed to the stub.	RPC_X_NULL_REF_POINTER
1781	The enumeration value is out of range.	RPC_X_ENUM_VALUE_OUT_OF_RANGE
1782	The byte count is too small.	RPC_X_BYTE_COUNT_TOO_SMALL
1783	The stub received bad data.	RPC_X_BAD_STUB_DATA
1784	The supplied user buffer is not valid for the requested operation.	ERROR_INVALID_USER_BUFFER
1785	The disk media is not recognized. It may not be formatted.	ERROR_UNRECOGNIZED_MEDIA
1786	The workstation does not have a trust secret.	ERROR_NO_TRUST_LSA_SECRET
1787	The security database on the server does not have a computer account for this workstation trust relationship.	ERROR_NO_TRUST_SAM_ACCOUNT
1788	The trust relationship between the primary domain and the trusted domain failed.	ERROR_TRUSTED_DOMAIN_FAILURE
1789	The trust relationship between this workstation and the primary domain failed.	ERROR_TRUSTED_RELATIONSHIP_FAILURE
1790	The network logon failed.	ERROR_TRUST_FAILURE
1791	A remote procedure call is already in progress for this thread.	RPC_S_CALL_IN_PROGRESS
1792	An attempt was made to logon, but the network logon service was not started.	ERROR_NETLOGON_NOT_STARTED
1793	The user's account has expired.	ERROR_ACCOUNT_EXPIRED

1794	The redirector is in use and cannot be unloaded.	ERROR_REDIRECTOR_HAS_OPEN_HANDLES
1795	The specified printer driver is already installed.	ERROR_PRINTER_DRIVER_ALREADY_INSTALLED
1796	The specified port is unknown.	ERROR_UNKNOWN_PORT
1797	The printer driver is unknown.	ERROR_UNKNOWN_PRINTER_DRIVER
1798	The print processor is unknown.	ERROR_UNKNOWN_PRINTPROCESSOR
1799	The specified separator file is invalid.	ERROR_INVALID_SEPARATOR_FILE
1800	The specified priority is invalid.	ERROR_INVALID_PRIORITY
1801	The printer name is invalid.	ERROR_INVALID_PRINTER_NAME
1802	The printer already exists.	ERROR_PRINTER_ALREADY_EXISTS
1803	The printer command is invalid.	ERROR_INVALID_PRINTER_COMMAND
1804	The specified data type is invalid.	ERROR_INVALID_DATATYPE
1805	The environment specified is invalid.	ERROR_INVALID_ENVIRONMENT
1806	There are no more bindings.	RPC_S_NO_MORE_BINDINGS
1807	The account used is an inter-domain trust account. Use your global user account or local user account to access this server.	ERROR_NOLOGON_INTERDOMAIN_TRUST_ACCOUNT
1808	The account used is a computer account. Use your global user account or local user account to access this server.	ERROR_NOLOGON_WORKSTATION_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_SERVER_TRUST_ACCOUNT
1810	The name or security ID (SID) of the domain specified is inconsistent with the trust information for that domain.	ERROR_DOMAIN_TRUST_INCONSISTENT
1811	The server is in use and cannot be unloaded.	ERROR_SERVER_HAS_OPEN_HANDLES
1812	The specified image file did not contain a resource section.	ERROR_RESOURCE_DATA_NOT_FOUND
1813	The specified resource type cannot be found in the image file.	ERROR_RESOURCE_TYPE_NOT_FOUND
1814	The specified resource name cannot be found in the image file.	ERROR_RESOURCE_NAME_NOT_FOUND
1815	The specified resource language ID cannot be found in the image file.	ERROR_RESOURCE_LANG_NOT_FOUND
1816	Not enough quota is available to process this command.	ERROR_NOT_ENOUGH_QUOTA
1817	No interfaces have been entered in the registry	RPC_S_NO_INTERFACES
1818	The remote procedure call was cancelled.	RPC_S_CALL_CANCELLED
1819	The binding handle does not contain all required information.	RPC_S_BINDING_INCOMPLETE
1820	A communications failure occurred during a remote procedure call.	RPC_S_COMM_FAILURE
1821	The requested authentication level is not supported.	RPC_S_UNSUPPORTED_AUTHN_LEVEL
1822	No principal name in the registry	RPC_S_NO_PRINC_NAME
1823	The error specified is not a valid Windows RPC error code.	RPC_S_NOT_RPC_ERROR
1824	A UUID that is valid only on this computer has been allocated.	RPC_S_UUID_LOCAL_ONLY
1825	A security package specific error occurred.	RPC_S_SEC_PKG_ERROR

1826	Thread is not canceled.	RPC_S_NOT_CANCELLED
1827	Invalid operation on the encoding/decoding handle.	RPC_X_INVALID_ES_ACTION
1828	Incompatible version of the serializing package.	RPC_X_WRONG_ES_VERSION
1829	Incompatible version of the RPC stub.	RPC_X_WRONG_STUB_VERSION
1830	The RPC pipe object is invalid or corrupted.	RPC_X_INVALID_PIPE_OBJECT
1831	An invalid operation was attempted on an RPC pipe object.	RPC_X_WRONG_PIPE_ORDER
1832	Unsupported RPC pipe version.	RPC_X_WRONG_PIPE_VERSION
1898	The group member was not found.	RPC_S_GROUP_MEMBER_NOT_FOUND
1899	The endpoint mapper database entry could not be created.	EPT_S_CANT_CREATE
1900	The object universal unique identifier (UUID) is the null UUID.	RPC_S_INVALID_OBJECT
1901	The specified time is invalid.	ERROR_INVALID_TIME
1902	The specified form name is invalid.	ERROR_INVALID_FORM_NAME
1903	The specified form size is invalid.	ERROR_INVALID_FORM_SIZE
1904	The specified printer handle is already being waited on	ERROR_ALREADY_WAITING
1905	The specified printer has been deleted.	ERROR_PRINTER_DELETED
1906	The state of the printer is invalid.	ERROR_INVALID_PRINTER_STATE
1907	The user's password must be changed before logging on the first time.	ERROR_PASSWORD_MUST_CHANGE
1908	Could not find the domain controller for this domain.	ERROR_DOMAIN_CONTROLLER_NOT_FOUND
1909	The referenced account is currently locked out and may not be logged on to.	ERROR_ACCOUNT_LOCKED_OUT
1910	The object exporter specified was not found.	OR_INVALID_OXID
1911	The object specified was not found.	OR_INVALID_OID
1912	The object resolver set specified was not found.	OR_INVALID_SET
1913	Some data remains to be sent in the request buffer.	RPC_S_SEND_INCOMPLETE
1914	Invalid asynchronous remote procedure call handle.	RPC_S_INVALID_ASYNC_HANDLE
1915	Invalid asynchronous RPC call handle for this operation.	RPC_S_INVALID_ASYNC_CALL
1916	The RPC pipe object has already been closed.	RPC_X_PIPE_CLOSED
1917	The RPC call completed before all pipes were processed.	RPC_X_PIPE_DISCIPLINE_ERROR
1918	No more data is available from the RPC pipe.	RPC_X_PIPE_EMPTY
1919	No site name is available for this machine.	ERROR_NO_SITENAME
1920	The file cannot be accessed by the system.	ERROR_CANT_ACCESS_FILE
1921	The name of the file cannot be resolved by the system.	ERROR_CANT_RESOLVE_FILENAME
1922	The entry is not of the expected type.	RPC_S_ENTRY_TYPE_MISMATCH
1923	Not all object UUIDs could be exported to the specified entry.	RPC_S_NOT_ALL_OBJS_EXPORTED
1924	Interface could not be exported to the specified entry.	RPC_S_INTERFACE_NOT_EXPORTED
1925	The specified profile entry could not be added.	RPC_S_PROFILE_NOT_ADDED

1926	The specified profile element could not be added.	RPC_S_PRF_ELT_NOT_ADDED
1927	The specified profile element could not be removed.	RPC_S_PRF_ELT_NOT_REMOVED
1928	The group element could not be added.	RPC_S_GRP_ELT_NOT_ADDED
1929	The group element could not be removed.	RPC_S_GRP_ELT_NOT_REMOVED
1930	The printer driver is not compatible with a policy enabled on your computer that blocks NT 4.0 drivers.	ERROR_KM_DRIVER_BLOCKED
1931	The context has expired and can no longer be used.	ERROR_CONTEXT_EXPIRED.
1932	The current user's delegated trust creation quota has been exceeded.	ERROR_PER_USER_TRUST_QUOTA_EXCEEDED
1933	The total delegated trust creation quota has been exceeded.	ERROR_ALL_USER_TRUST_QUOTA_EXCEEDED
1934	The current user's delegated trust deletion quota has been exceeded.	ERROR_USER_DELETE_TRUST_QUOTA_EXCEEDED
2000	The pixel format is invalid.	ERROR_INVALID_PIXEL_FORMAT
2001	The specified driver is invalid.	ERROR_BAD_DRIVER
2002	The window style or class attribute is invalid for this operation.	ERROR_INVALID_WINDOW_STYLE
2003	The requested metafile operation is not supported.	ERROR_METAFILE_NOT_SUPPORTED
2004	The requested transformation operation is not supported.	ERROR_TRANSFORM_NOT_SUPPORTED
2005	The requested clipping operation is not supported.	ERROR_CLIPPING_NOT_SUPPORTED
2010	The specified color management module is invalid.	ERROR_INVALID_CMM
2011	The specified color profile is invalid.	ERROR_INVALID_PROFILE
2012	The specified tag was not found.	ERROR_TAG_NOT_FOUND
2013	A required tag is not present.	ERROR_TAG_NOT_PRESENT
2014	The specified tag is already present.	ERROR_DUPLICATE_TAG
2015	The specified color profile is not associated with any device.	ERROR_PROFILE_NOT_ASSOCIATED_WITH_DEVICE
2016	The specified color profile was not found.	ERROR_PROFILE_NOT_FOUND
2017	The specified color space is invalid.	ERROR_INVALID_COLORSPACE
2018	Image Color Management is not enabled.	ERROR_ICM_NOT_ENABLED
2019	There was an error while deleting the color transform.	ERROR_DELETING_ICM_XFORM
2020	The specified color transform is invalid.	ERROR_INVALID_TRANSFORM
2021	The specified transform does not match the bitmap's color space.	ERROR_COLORSPACE_MISMATCH
2022	The specified named color index is not present in the profile.	ERROR_INVALID_COLORINDEX
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
2109	The network connection was made successfully using default credentials.	ERROR_CONNECTED_OTHER_PASSWORD_DEFAULT
2202	The specified username is invalid.	ERROR_BAD_USERNAME
2250	This network connection does not exist.	ERROR_NOT_CONNECTED

2401	This network connection has files open or requests pending.	ERROR_OPEN_FILES
2402	Active connections still exist.	ERROR_ACTIVE_CONNECTIONS
2404	The device is in use by an active process and cannot be disconnected.	ERROR_DEVICE_IN_USE
3000	The specified print monitor is unknown.	ERROR_UNKNOWN_PRINT_MONITOR
3001	The specified printer driver is currently in use.	ERROR_PRINTER_DRIVER_IN_USE
3002	The spool file was not found.	ERROR_SPOOL_FILE_NOT_FOUND
3003	A StartDocPrinter call was not issued.	ERROR_SPL_NO_STARTDOC
3004	An AddJob call was not issued.	ERROR_SPL_NO_ADDJOB
3005	The specified print processor has already been installed.	ERROR_PRINT_PROCESSOR_ALREADY_INSTALLED
3006	The specified print monitor has already been installed.	ERROR_PRINT_MONITOR_ALREADY_INSTALLED
3007	The specified print monitor does not have the required functions.	ERROR_INVALID_PRINT_MONITOR
3008	The specified print monitor is currently in use.	ERROR_PRINT_MONITOR_IN_USE
3009	The requested operation is not allowed when there are jobs queued to the printer.	ERROR_PRINTER_HAS_JOBS_QUEUED
3010	The requested operation is successful. Changes will not be effective until the system is rebooted.	ERROR_SUCCESS_REBOOT_REQUIRED
3011	The requested operation is successful. Changes will not be effective until the service is restarted.	ERROR_SUCCESS_RESTART_REQUIRED
3012	No printers were found.	ERROR_PRINTER_NOT_FOUND
3013	The printer driver is known to be unreliable.	ERROR_PRINTER_DRIVER_WARNED
3014	The printer driver is known to harm the system.	ERROR_PRINTER_DRIVER_BLOCKED
4000	WINS encountered an error while processing the command.	ERROR_WINS_INTERNAL
4001	The local WINS cannot be deleted.	ERROR_CAN_NOT_DEL_LOCAL_WINS
4002	The importation from the file failed.	ERROR_STATIC_INIT
4003	The backup failed. Was a full backup done before?	ERROR_INC_BACKUP
4004	The backup failed. Check the directory to which you are backing the database.	ERROR_FULL_BACKUP
4005	The name does not exist in the WINS database.	ERROR_REC_NON_EXISTENT
4006	Replication with a non-configured partner is not allowed.	ERROR_RPL_NOT_ALLOWED
4100	The 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_DHCP_ADDRESS_CONFLICT
4200	The GUID passed was not recognized as valid by a WMI data provider.	ERROR_WMI_GUID_NOT_FOUND
4201	The instance name passed was not recognized as valid by a WMI data provider.	ERROR_WMI_INSTANCE_NOT_FOUND
4202	The data item ID passed was not recognized as valid by a WMI data provider.	ERROR_WMI_ITEMID_NOT_FOUND
4203	The WMI request could not be completed and should be retried.	ERROR_WMI_TRY_AGAIN
4204	The WMI data provider could not be located.	ERROR_WMI_DP_NOT_FOUND

4205	The WMI data provider references an instance set that has not been entered in the registry	ERROR_WMI_UNRESOLVED_INSTANCE_REF
4206	The WMI data block or event notification has already been enabled.	ERROR_WMI_ALREADY_ENABLED
4207	The WMI data block is no longer available.	ERROR_WMI_GUID_DISCONNECTED
4208	The WMI data service is not available.	ERROR_WMI_SERVER_UNAVAILABLE
4209	The WMI data provider failed to carry out the request.	ERROR_WMI_DP_FAILED
4210	The WMI MOF information is not valid.	ERROR_WMI_INVALID_MOF
4211	The WMI registration information is not valid.	ERROR_WMI_INVALID_REGINFO
4212	The WMI data block or event notification has already been disabled.	ERROR_WMI_ALREADY_DISABLED
4213	The WMI data item or data block is read only.	ERROR_WMI_READ_ONLY
4214	The WMI data item or data block could not be changed.	ERROR_WMI_SET_FAILURE
4300	The media identifier does not represent a valid medium.	ERROR_INVALID_MEDIA
4301	The library identifier does not represent a valid library.	ERROR_INVALID_LIBRARY
4302	The media pool identifier does not represent a valid media pool.	ERROR_INVALID_MEDIA_POOL
4303	The drive and medium are not compatible or exist in different libraries.	ERROR_DRIVE_MEDIA_MISMATCH
4304	The medium currently exists in an offline library and must be online to perform this operation.	ERROR_MEDIA_OFFLINE
4305	The operation cannot be performed on an offline library.	ERROR_LIBRARY_OFFLINE
4306	The library, drive, or media pool is empty.	ERROR_EMPTY
4307	The library, drive, or media pool must be empty to perform this operation.	ERROR_NOT_EMPTY
4308	No media is currently available in this media pool or library.	ERROR_MEDIA_UNAVAILABLE
4309	A resource required for this operation is disabled.	ERROR_RESOURCE_DISABLED
4310	The media identifier does not represent a valid cleaner.	ERROR_INVALID_CLEANER
4311	The drive cannot be cleaned or does not support cleaning.	ERROR_UNABLE_TO_CLEAN
4312	The object identifier does not represent a valid object.	ERROR_OBJECT_NOT_FOUND
4313	Unable to read from or write to the database.	ERROR_DATABASE_FAILURE
4314	The database is full.	ERROR_DATABASE_FULL
4315	The medium is not compatible with the device or media pool.	ERROR_MEDIA_INCOMPATIBLE
4316	The resource required for this operation does not exist.	ERROR_RESOURCE_NOT_PRESENT
4317	The operation identifier is not valid.	ERROR_INVALID_OPERATION
4318	The media is not mounted or ready for use.	ERROR_MEDIA_NOT_AVAILABLE
4319	The device is not ready for use.	ERROR_DEVICE_NOT_AVAILABLE
4320	The operator or administrator has refused the request.	ERROR_REQUEST_REFUSED
4321	The drive identifier does not represent a valid drive.	ERROR_INVALID_DRIVE_OBJECT
4322	Library is full. No slot is available for use.	ERROR_LIBRARY_FULL
4323	The transport cannot access the medium.	ERROR_MEDIUM_NOT_ACCESSIBLE

4324	Unable to load the medium into the drive.	ERROR_UNABLE_TO_LOAD_MEDIUM
4325	Unable to retrieve status about the drive.	ERROR_UNABLE_TO_INVENTORY_DRIVE
4326	Unable to retrieve status about the slot.	ERROR_UNABLE_TO_INVENTORY_SLOT
4327	Unable to retrieve status about the transport.	ERROR_UNABLE_TO_INVENTORY_TRANSPORT
4328	Cannot use the transport because it is already in use.	ERROR_TRANSPORT_FULL
4329	Unable to open or close the inject/eject port.	ERROR_CONTROLLING_IEPORT
4330	Unable to eject the media because it is in a drive.	ERROR_UNABLE_TO_EJECT_MOUNTED_MEDIA
4331	A cleaner slot is already reserved.	ERROR_CLEANER_SLOT_SET
4332	A cleaner slot is not reserved.	ERROR_CLEANER_SLOT_NOT_SET
4333	The cleaner cartridge has performed the maximum number of drive cleanings.	ERROR_CLEANER_CARTRIDGE_SPENT
4334	Unexpected on-medium identifier.	ERROR_UNEXPECTED_OMID
4335	The last remaining item in this group or resource cannot be deleted.	ERROR_CANT_DELETE_LAST_ITEM
4336	The message provided exceeds the maximum size allowed for this parameter.	ERROR_MESSAGE_EXCEEDS_MAX_SIZE
4337	The volume contains system or paging files.	ERROR_VOLUME_CONTAINS_SYS_FILES
4338	The media type cannot be removed from this library since at least one drive in the library reports it can support this media type.	ERROR_INDIGENOUS_TYPE
4339	This offline media cannot be mounted on this system since no enabled drives are present which can be used.	ERROR_NO_SUPPORTING_DRIVES
4340	A cleaner cartridge is present in the tape library.	ERROR_CLEANER_CARTRIDGE_INSTALLED
4350	The remote storage service was not able to recall the file.	ERROR_FILE_OFFLINE
4351	The remote storage service is not operational at this time.	ERROR_REMOTE_STORAGE_NOT_ACTIVE
4352	The remote storage service encountered a media error.	ERROR_REMOTE_STORAGE_MEDIA_ERROR
4390	The file or directory is not a reparse point.	ERROR_NOT_A_REPARSE_POINT
4391	The reparse point attribute cannot be set because it conflicts with an existing attribute.	ERROR_REPARSE_ATTRIBUTE_CONFLICT
4392	The data present in the reparse point buffer is invalid.	ERROR_INVALID_REPARSE_DATA
4393	The tag present in the reparse point buffer is invalid.	ERROR_REPARSE_TAG_INVALID
4394	There is a mismatch between the tag specified in the request and the tag present in the reparse point.	ERROR_REPARSE_TAG_MISMATCH
4500	Single Instance Storage is not available on this volume.	ERROR_VOLUME_NOT_SIS_ENABLED
5001	The cluster resource cannot be moved to another group because other resources are dependent on it.	ERROR_DEPENDENT_RESOURCE_EXISTS
5002	The cluster resource dependency cannot be found.	ERROR_DEPENDENCY_NOT_FOUND
5003	The cluster resource cannot be made dependent on the specified resource because it is already dependent.	ERROR_DEPENDENCY_ALREADY_EXISTS
5004	The cluster resource is not online.	ERROR_RESOURCE_NOT_ONLINE
5005	A cluster node is not available for this operation.	ERROR_HOST_NODE_NOT_AVAILABLE
5006	The cluster resource is not available.	ERROR_RESOURCE_NOT_AVAILABLE

5007	The cluster resource could not be found.	ERROR_RESOURCE_NOT_FOUND
5008	The cluster is being shut down.	ERROR_SHUTDOWN_CLUSTER
5009	A cluster node cannot be evicted from the cluster unless the node is down.	ERROR_CANT_EVICT_ACTIVE_NODE
5010	The object already exists.	ERROR_OBJECT_ALREADY_EXISTS
5011	The object is already in the list.	ERROR_OBJECT_IN_LIST
5012	The cluster group is not available for any new requests.	ERROR_GROUP_NOT_AVAILABLE
5013	The cluster group could not be found.	ERROR_GROUP_NOT_FOUND
5014	The operation could not be completed because the cluster group is not online.	ERROR_GROUP_NOT_ONLINE
5015	The cluster node is not the owner of the resource.	ERROR_HOST_NODE_NOT_RESOURCE_OWNER
5016	The cluster node is not the owner of the group.	ERROR_HOST_NODE_NOT_GROUP_OWNER
5017	The cluster resource could not be created in the specified resource monitor.	ERROR_RESMON_CREATE_FAILED
5018	The cluster resource could not be brought online by the resource monitor.	ERROR_RESMON_ONLINE_FAILED
5019	The operation could not be completed because the cluster resource is online.	ERROR_RESOURCE_ONLINE
5020	The cluster resource could not be deleted or brought offline because it is the quorum resource.	ERROR_QUORUM_RESOURCE
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_CAPABLE
5022	The cluster software is shutting down.	ERROR_CLUSTER_SHUTTING_DOWN
5023	The group or resource is not in the correct state to perform the requested operation.	ERROR_INVALID_STATE
5024	The properties were stored but not all changes will take effect until the next time the resource is brought online.	ERROR_RESOURCE_PROPERTIES_STORED
5025	The cluster could not make the specified resource a quorum resource because it does not belong to a shared storage class.	ERROR_NOT_QUORUM_CLASS
5026	The cluster resource could not be deleted since it is a core resource.	ERROR_CORE_RESOURCE
5027	The quorum resource failed to come online.	ERROR_QUORUM_RESOURCE_ONLINE_FAILED
5028	The quorum log could not be created or mounted successfully.	ERROR_QUORUMLOG_OPEN_FAILED
5029	The cluster log is corrupt.	ERROR_CLUSTERLOG_CORRUPT
5030	The record could not be written to the cluster log since it exceeds the maximum size.	ERROR_CLUSTERLOG_RECORD_EXCEEDS_MAXSIZE
5031	The cluster log exceeds its maximum size.	ERROR_CLUSTERLOG_EXCEEDS_MAXSIZE
5032	No checkpoint record was found in the cluster log.	ERROR_CLUSTERLOG_CHKPOINT_NOT_FOUND
5033	The minimum required disk space needed for logging is not available.	ERROR_CLUSTERLOG_NOT_ENOUGH_SPACE
5034	The cluster node failed to take control of the quorum resource because the resource is owned by another active node.	ERROR_QUORUM_OWNER_ALIVE
5035	A cluster network is not available for this operation.	ERROR_NETWORK_NOT_AVAILABLE
5036	A cluster node is not available for this operation.	ERROR_NODE_NOT_AVAILABLE

5037	All cluster nodes must be running to perform this operation.	ERROR_ALL_NODES_NOT_AVAILABLE
5038	A cluster resource failed.	ERROR_RESOURCE_FAILED
5039	The cluster node is not valid.	ERROR_CLUSTER_INVALID_NODE
5040	The cluster node already exists.	ERROR_CLUSTER_NODE_EXISTS
5041	A node is in the process of joining the cluster.	ERROR_CLUSTER_JOIN_IN_PROGRESS
5042	The cluster node was not found.	ERROR_CLUSTER_NODE_NOT_FOUND
5043	The cluster local node information was not found.	ERROR_CLUSTER_LOCAL_NODE_NOT_FOUND
5044	The cluster network already exists.	ERROR_CLUSTER_NETWORK_EXISTS
5045	The cluster network was not found.	ERROR_CLUSTER_NETWORK_NOT_FOUND
5046	The cluster network interface already exists.	ERROR_CLUSTER_NETINTERFACE_EXISTS
5047	The cluster network interface was not found.	ERROR_CLUSTER_NETINTERFACE_NOT_FOUND
5048	The cluster request is not valid for this object.	ERROR_CLUSTER_INVALID_REQUEST
5049	The cluster network provider is not valid.	ERROR_CLUSTER_INVALID_NETWORK_PROVIDER
5050	The cluster node is down.	ERROR_CLUSTER_NODE_DOWN
5051	The cluster node is not reachable.	ERROR_CLUSTER_NODE_UNREACHABLE
5052	The cluster node is not a member of the cluster.	ERROR_CLUSTER_NODE_NOT_MEMBER
5053	A cluster join operation is not in progress.	ERROR_CLUSTER_JOIN_NOT_IN_PROGRESS
5054	The cluster network is not valid.	ERROR_CLUSTER_INVALID_NETWORK
5056	The cluster node is up.	ERROR_CLUSTER_NODE_UP
5057	The cluster IP address is already in use.	ERROR_CLUSTER_IPADDR_IN_USE
5058	The cluster node is not paused.	ERROR_CLUSTER_NODE_NOT_PAUSED
5059	No cluster security context is available.	ERROR_CLUSTER_NO_SECURITY_CONTEXT
5060	The cluster network is not configured for internal cluster communication.	ERROR_CLUSTER_NETWORK_NOT_INTERNAL
5061	The cluster node is already up.	ERROR_CLUSTER_NODE_ALREADY_UP
5062	The cluster node is already down.	ERROR_CLUSTER_NODE_ALREADY_DOWN
5063	The cluster network is already online.	ERROR_CLUSTER_NETWORK_ALREADY_ONLINE
5064	The cluster network is already offline.	ERROR_CLUSTER_NETWORK_ALREADY_OFFLINE
5065	The cluster node is already a member of the cluster.	ERROR_CLUSTER_NODE_ALREADY_MEMBER
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_LAST_INTERNAL_NETWORK
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_HAS_DEPENDENTS

5068	This operation cannot be performed on the cluster resource as it the quorum resource. You may not bring the quorum resource offline or modify its possible owners list.	ERROR_INVALID_OPERATION_ON_QUORUM
5069	The cluster quorum resource is not allowed to have any dependencies.	ERROR_DEPENDENCY_NOT_ALLOWED
5070	The cluster node is paused.	ERROR_CLUSTER_NODE_PAUSED
5071	The cluster resource cannot be brought online. The owner node cannot run this resource.	ERROR_NODE_CANT_HOST_RESOURCE
5072	The cluster node is not ready to perform the requested operation.	ERROR_CLUSTER_NODE_NOT_READY
5073	The cluster node is shutting down.	ERROR_CLUSTER_NODE_SHUTTING_DOWN
5074	The cluster join operation was aborted.	ERROR_CLUSTER_JOIN_ABORTED
5075	The cluster join operation failed due to incompatible software versions between the joining node and its sponsor.	ERROR_CLUSTER_INCOMPATIBLE_VERSIONS
5076	This resource cannot be created because the cluster has reached the limit on the number of resources it can monitor.	ERROR_CLUSTER_MAXNUM_OF_RESOURCES_EXCEEDED
5077	The system configuration changed during the cluster join or form operation. The join or form operation was aborted.	ERROR_CLUSTER_SYSTEM_CONFIG_CHANGED
5078	The specified resource type was not found.	ERROR_CLUSTER_RESOURCE_TYPE_NOT_FOUND
5079	The specified node does not support a resource of this type. This may be due to version inconsistencies or due to the absence of the resource DLL on this node.	ERROR_CLUSTER_RESTYPE_NOT_SUPPORTED
5080	The specified resource name is supported by this resource DLL. This may be due to a bad (or changed) name supplied to the resource DLL.	ERROR_CLUSTER_RESNAME_NOT_FOUND
5081	No authentication package could be entered in the registry with the RPC server.	ERROR_CLUSTER_NO_RPC_PACKAGES_REGISTRYED
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_OWNER_NOT_IN_PREFLIST
5083	The join operation failed because the cluster database sequence number has changed or is incompatible with the locker node. This may happen during a join operation if the cluster database was changing during the join.	ERROR_CLUSTER_DATABASE_SEQMISMATCH
5084	The resource monitor will not allow the fail operation to be performed while the resource is in its current state. This may happen if the resource is in a pending state.	ERROR_RESMON_INVALID_STATE
5085	A non locker code got a request to reserve the lock for making global updates.	ERROR_CLUSTER_GUM_NOT_LOCKER
5086	The quorum disk could not be located by the cluster service.	ERROR_QUORUM_DISK_NOT_FOUND
5087	The backup up cluster database is possibly corrupt.	ERROR_DATABASE_BACKUP_CORRUPT
5088	A DFS root already exists in this cluster node.	ERROR_CLUSTER_NODE_ALREADY_HAS_DFS_ROOT
5089	An attempt to modify a resource property failed because it conflicts with another existing property.	ERROR_RESOURCE_PROPERTY_UNCHANGEABLE
5890	An operation was attempted that is incompatible with the current membership state of the node.	ERROR_CLUSTER_MEMBERSHIP_INVALID_STATE
5891	The quorum resource does not contain the quorum log.	ERROR_CLUSTER_QUORUMLOG_NOT_FOUND
5892	The membership engine requested shutdown of the cluster service on this node.	ERROR_CLUSTER_MEMBERSHIP_HALT

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_INSTANCE_ID_MISMATCH
5894	A matching network for the specified IP address could not be found. Please also specify a subnet mask and a cluster network.	ERROR_CLUSTER_NETWORK_NOT_FOUND_FOR_IP
5895	The actual data type of the property did not match the expected data type of the property.	ERROR_CLUSTER_PROPERTY_DATA_TYPE_MISMATCH
5896	The cluster node was evicted from the cluster successfully, but the node was not cleaned up. Extended status information explaining why the node was not cleaned up is available.	ERROR_CLUSTER_EVICT_WITHOUT_CLEANUP
5897	Two or more parameter values specified for a resource's properties are in conflict.	ERROR_CLUSTER_PARAMETER_MISMATCH
5898	This computer cannot be made a member of a cluster.	ERROR_NODE_CANNOT_BE_CLUSTERED
5899	This computer cannot be made a member of a cluster because it does not have the correct version of Windows installed.	ERROR_CLUSTER_WRONG_OS_VERSION
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_CREATE_DUP_CLUSTER_NAME
5901	The cluster configuration action has already been committed.	ERROR_CLUSCFG_ALREADY_COMMITTED
5902	The cluster configuration action could not be rolled back.	ERROR_CLUSCFG_ROLLBACK_FAILED
5903	The drive letter assigned to a system disk on one node conflicted with the driver letter assigned to a disk on another node.	ERROR_CLUSCFG_SYSTEM_DISK_DRIVE_LETTER_CONFLICT
5904	One or more nodes in the cluster are running a version of Windows that does not support this operation.	ERROR_CLUSTER_OLD_VERSION
5905	The name of the corresponding computer account doesn't match the Network Name for this resource.	ERROR_CLUSTER_MISMATCHED_COMPUTER_ACCT_NAME
6000	The specified file could not be encrypted.	ERROR_ENCRYPTION_FAILED
6001	The specified file could not be decrypted.	ERROR_DECRYPTION_FAILED
6002	The specified file is encrypted and the user does not have the ability to decrypt it.	ERROR_FILE_ENCRYPTED
6003	There is no valid encryption recovery policy configured for this system.	ERROR_NO_RECOVERY_POLICY
6004	The required encryption driver is not loaded for this system.	ERROR_NO_EFS
6005	The file was encrypted with a different encryption driver than is currently loaded.	ERROR_WRONG_EFS
6006	There are no EFS keys defined for the user.	ERROR_NO_USER_KEYS
6007	The specified file is not encrypted.	ERROR_FILE_NOT_ENCRYPTED
6008	The specified file is not in the defined EFS export format.	ERROR_NOT_EXPORT_FORMAT
6009	The specified file is read only.	ERROR_FILE_READ_ONLY
6010	The directory has been disabled for encryption.	ERROR_DIR_EFS_DISALLOWED
6011	The server is not trusted for remote encryption operation.	ERROR_EFS_SERVER_NOT_TRUSTED
6012	Recovery policy configured for this system contains invalid recovery certificate.	ERROR_BAD_RECOVERY_POLICY
6013	The encryption algorithm used on the source file needs a bigger key buffer than the one on the destination file.	ERROR_EFS_ALG_BLOB_TOO_BIG
6014	The disk partition does not support file encryption.	ERROR_VOLUME_NOT_SUPPORT_EFS

6015	This machine is disabled for file encryption.	ERROR_EFS_DISABLED
6016	A newer system is required to decrypt this encrypted file.	ERROR_EFS_VERSION_NOT_SUPPORT
6118	The list of servers for this workgroup is not currently available.	ERROR_NO_BROWSER_SERVERS_FOUND
6200	The Task Scheduler service must be configured to run in the System account to function properly. Individual tasks may be configured to run in other accounts.	SCHED_E_SERVICE_NOT_LOCALSYSTEM
7001	The specified session name is invalid.	ERROR_CTX_WINSTATION_NAME_INVALID
7002	The specified protocol driver is invalid.	ERROR_CTX_INVALID_PD
7003	The specified protocol driver was not found in the system path.	ERROR_CTX_PD_NOT_FOUND
7004	The specified terminal connection driver was not found in the system path.	ERROR_CTX_WD_NOT_FOUND
7005	A registry key for event logging could not be created for this session.	ERROR_CTX_CANNOT_MAKE_EVENTLOG_ENTRY
7006	A service with the same name already exists on the system.	ERROR_CTX_SERVICE_NAME_COLLISION
7007	A close operation is pending on the session.	ERROR_CTX_CLOSE_PENDING
7008	There are no free output buffers available.	ERROR_CTX_NO_OUTBUF
7009	The MODEM.INF file was not found.	ERROR_CTX_MODEM_INF_NOT_FOUND
7010	The modem name was not found in MODEM.INF.	ERROR_CTX_INVALID_MODEMNAME
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_ERROR
7012	The modem did not respond to the command sent to it. Verify that the modem is properly cabled and powered on.	ERROR_CTX_MODEM_RESPONSE_TIMEOUT
7013	Carrier detect has failed or carrier has been dropped due to disconnect.	ERROR_CTX_MODEM_RESPONSE_NO_CARRIER
7014	Dial tone not detected within the required time. Verify that the phone cable is properly attached and functional.	ERROR_CTX_MODEM_RESPONSE_NO_DIALTONE
7015	Busy signal detected at remote site on callback.	ERROR_CTX_MODEM_RESPONSE_BUSY
7016	Voice detected at remote site on callback.	ERROR_CTX_MODEM_RESPONSE_VOICE
7017	Transport driver error	ERROR_CTX_TD_ERROR
7022	The specified session cannot be found.	ERROR_CTX_WINSTATION_NOT_FOUND
7023	The specified session name is already in use.	ERROR_CTX_WINSTATION_ALREADY_EXISTS
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_BUSY
7025	An attempt has been made to connect to a session whose video mode is not supported by the current client.	ERROR_CTX_BAD_VIDEO_MODE
7035	The application attempted to enable DOS graphics mode. DOS graphics mode is not supported.	ERROR_CTX_GRAPHICS_INVALID
7037	Your interactive logon privilege has been disabled. Please contact your administrator.	ERROR_CTX_LOGON_DISABLED
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_NOT_CONSOLE
7040	The client failed to respond to the server connect message.	ERROR_CTX_CLIENT_QUERY_TIMEOUT

7041	Disconnecting the console session is not supported.	ERROR_CTX_CONSOLE_DISCONNECT
7042	Reconnecting a disconnected session to the console is not supported.	ERROR_CTX_CONSOLE_CONNECT
7044	The request to control another session remotely was denied.	ERROR_CTX_SHADOW_DENIED
7045	The requested session access is denied.	ERROR_CTX_WINSTATION_ACCESS_DENIED
7049	The specified terminal connection driver is invalid.	ERROR_CTX_INVALID_WD
7050	The requested session cannot be controlled remotely. This may be because the session is disconnected or does not currently have a user logged on.	ERROR_CTX_SHADOW_INVALID
7051	The requested session is not configured to allow remote control.	ERROR_CTX_SHADOW_DISABLED
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. Please call your system administrator to obtain a unique license number.	ERROR_CTX_CLIENT_LICENSE_IN_USE
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. Please contact your system administrator.	ERROR_CTX_CLIENT_LICENSE_NOT_SET
7054	The system has reached its licensed logon limit. Please try again later.	ERROR_CTX_LICENSE_NOT_AVAILABLE
7055	The client you are using is not licensed to use this system. Your logon request is denied.	ERROR_CTX_LICENSE_CLIENT_INVALID
7056	The system license has expired. Your logon request is denied.	ERROR_CTX_LICENSE_EXPIRED
7057	Remote control could not be terminated because the specified session is not currently being remotely controlled.	ERROR_CTX_SHADOW_NOT_RUNNING
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_ENDED_BY_MODE_CHANGE
7059	Activation has already been reset the maximum number of times for this installation. Your activation timer will not be cleared.	ERROR_ACTIVATION_COUNT_EXCEEDED
8001	The file replication service API was called incorrectly.	FRS_ERR_INVALID_API_SEQUENCE
8002	The file replication service cannot be started.	FRS_ERR_STARTING_SERVICE
8003	The file replication service cannot be stopped.	FRS_ERR_STOPPING_SERVICE
8004	The file replication service API terminated the request. The event log may have more information.	FRS_ERR_INTERNAL_API
8005	The file replication service terminated the request. The event log may have more information.	FRS_ERR_INTERNAL
8006	The file replication service cannot be contacted. The event log may have more information.	FRS_ERR_SERVICE_COMM
8007	The file replication service cannot satisfy the request because the user has insufficient privileges. The event log may have more information.	FRS_ERR_INSUFFICIENT_PRIV
8008	The file replication service cannot satisfy the request because authenticated RPC is not available. The event log may have more information.	FRS_ERR_AUTHENTICATION
8009	The file replication service cannot satisfy the request because the user has insufficient privileges on the domain controller. The event log may have more information.	FRS_ERR_PARENT_INSUFFICIENT_PRIV
8010	The file replication service cannot satisfy the request because authenticated RPC is not available on the domain controller. The event log may have more information.	FRS_ERR_PARENT_AUTHENTICATION

8011	The file replication service cannot communicate with the file replication service on the domain controller. The event log may have more information.	FRS_ERR_CHILD_TO_PARENT_COMM
8012	The file replication service on the domain controller cannot communicate with the file replication service on this computer. The event log may have more information.	FRS_ERR_PARENT_TO_CHILD_COMM
8013	The file replication service cannot populate the system volume because of an internal error. The event log may have more information.	FRS_ERR_SYSVOL_POPULATE
8014	The file replication service cannot populate the system volume because of an internal timeout. The event log may have more information.	FRS_ERR_SYSVOL_POPULATE_TIMEOUT
8015	The file replication service cannot process the request. The system volume is busy with a previous request.	FRS_ERR_SYSVOL_IS_BUSY
8016	The file replication service cannot stop replicating the system volume because of an internal error. The event log may have more information.	FRS_ERR_SYSVOL_DEMOTE
8017	The file replication service detected an invalid parameter.	FRS_ERR_INVALID_SERVICE_PARAMETER
8200	An error occurred while installing the directory service. For more information, see the event log.	ERROR_DS_NOT_INSTALLED
8201	The directory service evaluated group memberships locally.	ERROR_DS_MEMBERSHIP_EVALUATED_LOCALLY
8202	The specified directory service attribute or value does not exist.	ERROR_DS_NO_ATTRIBUTE_OR_VALUE
8203	The attribute syntax specified to the directory service is invalid.	ERROR_DS_INVALID_ATTRIBUTE_SYNTAX
8204	The attribute type specified to the directory service is not defined.	ERROR_DS_ATTRIBUTE_TYPE_UNDEFINED
8205	The specified directory service attribute or value already exists.	ERROR_DS_ATTRIBUTE_OR_VALUE_EXISTS
8206	The directory service is busy.	ERROR_DS_BUSY
8207	The directory service is unavailable.	ERROR_DS_UNAVAILABLE
8208	The directory service was unable to allocate a relative identifier.	ERROR_DS_NO_RIDS_ALLOCATED
8209	The directory service has exhausted the pool of relative identifiers.	ERROR_DS_NO_MORE_RIDS
8210	The requested operation could not be performed because the directory service is not the master for that type of operation.	ERROR_DS_INCORRECT_ROLE_OWNER
8211	The directory service was unable to initialize the subsystem that allocates relative identifiers.	ERROR_DS_RIDMGR_INIT_ERROR
8212	The requested operation did not satisfy one or more constraints associated with the class of the object.	ERROR_DS_OBJ_CLASS_VIOLATION
8213	The directory service can perform the requested operation only on a leaf object.	ERROR_DS_CANT_ON_NON_LEAF
8214	The directory service cannot perform the requested operation on the RDN attribute of an object.	ERROR_DS_CANT_ON_RDN
8215	The directory service detected an attempt to modify the object class of an object.	ERROR_DS_CANT_MOD_OBJ_CLASS
8216	The requested cross-domain move operation could not be performed.	ERROR_DS_CROSS_DOM_MOVE_ERROR
8217	Unable to contact the global catalog server.	ERROR_DS_GC_NOT_AVAILABLE
8218	The policy object is shared and can only be modified at the root.	ERROR_SHARED_POLICY
8219	The policy object does not exist.	ERROR_POLICY_OBJECT_NOT_FOUND
8220	The requested policy information is only in the directory service.	ERROR_POLICY_ONLY_IN_DS

8221	A domain controller promotion is currently active.	ERROR_PROMOTION_ACTIVE
8222	A domain controller promotion is not currently active	ERROR_NO_PROMOTION_ACTIVE
8224	An operations error occurred.	ERROR_DS_OPERATIONS_ERROR
8225	A protocol error occurred.	ERROR_DS_PROTOCOL_ERROR
8226	The time limit for this request was exceeded.	ERROR_DS_TIMELIMIT_EXCEEDED
8227	The size limit for this request was exceeded.	ERROR_DS_SIZELIMIT_EXCEEDED
8228	The administrative limit for this request was exceeded.	ERROR_DS_ADMIN_LIMIT_EXCEEDED
8229	The compare response was false.	ERROR_DS_COMPARE_FALSE
8230	The compare response was true.	ERROR_DS_COMPARE_TRUE
8231	The requested authentication method is not supported by the server.	ERROR_DS_AUTH_METHOD_NOT_SUPPORTED
8232	A more secure authentication method is required for this server.	ERROR_DS_STRONG_AUTH_REQUIRED
8233	Inappropriate authentication.	ERROR_DS_INAPPROPRIATE_AUTH
8234	The authentication mechanism is unknown.	ERROR_DS_AUTH_UNKNOWN
8235	A referral was returned from the server.	ERROR_DS_REFERRAL
8236	The server does not support the requested critical extension.	ERROR_DS_UNAVAILABLE_CRIT_EXTENSION
8237	This request requires a secure connection.	ERROR_DS_CONFIDENTIALITY_REQUIRED
8238	Inappropriate matching.	ERROR_DS_INAPPROPRIATE_MATCHING
8239	A constraint violation occurred.	ERROR_DS_CONSTRAINT_VIOLATION
8240	There is no such object on the server.	ERROR_DS_NO_SUCH_OBJECT
8241	There is an alias problem.	ERROR_DS_ALIAS_PROBLEM
8242	An invalid dn syntax has been specified.	ERROR_DS_INVALID_DN_SYNTAX
8243	The object is a leaf object.	ERROR_DS_IS_LEAF
8244	There is an alias dereferencing problem.	ERROR_DS_ALIAS_DEREF_PROBLEM
8245	The server is unwilling to process the request.	ERROR_DS_UNWILLING_TO_PERFORM
8246	A loop has been detected.	ERROR_DS_LOOP_DETECT
8247	There is a naming violation.	ERROR_DS_NAMING_VIOLATION
8248	The result set is too large.	ERROR_DS_OBJECT_RESULTS_TOO_LARGE
8249	The operation affects multiple DSAs	ERROR_DS_AFFECTS_MULTIPLE_DSAS
8250	The server is not operational.	ERROR_DS_SERVER_DOWN
8251	A local error has occurred.	ERROR_DS_LOCAL_ERROR
8252	An encoding error has occurred.	ERROR_DS_ENCODING_ERROR
8253	A decoding error has occurred.	ERROR_DS_DECODING_ERROR
8254	The search filter cannot be recognized.	ERROR_DS_FILTER_UNKNOWN
8255	One or more parameters are illegal.	ERROR_DS_PARAM_ERROR
8256	The specified method is not supported.	ERROR_DS_NOT_SUPPORTED

8257	No results were returned.	ERROR_DS_NO_RESULTS_RETURNED
8258	The specified control is not supported by the server.	ERROR_DS_CONTROL_NOT_FOUND
8259	A referral loop was detected by the client.	ERROR_DS_CLIENT_LOOP
8260	The preset referral limit was exceeded.	ERROR_DS_REFERRAL_LIMIT_EXCEEDED
8261	The search requires a SORT control.	ERROR_DS_SORT_CONTROL_MISSING
8262	The search results exceed the offset range specified.	ERROR_DS_OFFSET_RANGE_ERROR
8301	The root object must be the head of a naming context. The root object cannot have an instantiated parent.	ERROR_DS_ROOT_MUST_BE_NC
8302	The add replica operation cannot be performed. The naming context must be writeable in order to create the replica.	ERROR_DS_ADD_REPLICA_INHIBITED
8303	A reference to an attribute that is not defined in the schema occurred.	ERROR_DS_ATT_NOT_DEF_IN_SCHEMA
8304	The maximum size of an object has been exceeded.	ERROR_DS_MAX_OBJ_SIZE_EXCEEDED
8305	An attempt was made to add an object to the directory with a name that is already in use.	ERROR_DS_OBJ_STRING_NAME_EXISTS
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_RDN_DEFINED_IN_SCHEMA
8307	An attempt was made to add an object using an RDN that is not the RDN defined in the schema.	ERROR_DS_RDN_DOESNT_MATCH_SCHEMA
8308	None of the requested attributes were found on the objects.	ERROR_DS_NO_REQUESTED_ATTS_FOUND
8309	The user buffer is too small.	ERROR_DS_USER_BUFFER_TO_SMALL
8310	The attribute specified in the operation is not present on the object.	ERROR_DS_ATT_IS_NOT_ON_OBJ
8311	Illegal modify operation. Some aspect of the modification is not permitted.	ERROR_DS_ILLEGAL_MOD_OPERATION
8312	The specified object is too large.	ERROR_DS_OBJ_TOO_LARGE
8313	The specified instance type is not valid.	ERROR_DS_BAD_INSTANCE_TYPE
8314	The operation must be performed at a master DSA.	ERROR_DS_MASTERDSA_REQUIRED
8315	The object class attribute must be specified.	ERROR_DS_OBJECT_CLASS_REQUIRED
8316	A required attribute is missing.	ERROR_DS_MISSING_REQUIRED_ATT
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_FOR_CLASS
8318	The specified attribute is already present on the object.	ERROR_DS_ATT_ALREADY_EXISTS
8320	The specified attribute is not present, or has no values.	ERROR_DS_CANT_ADD_ATT_VALUES
8321	Multiple values were specified for an attribute that can have only one value.	ERROR_DS_SINGLE_VALUE_CONSTRAINT
8322	A value for the attribute was not in the acceptable range of values.	ERROR_DS_RANGE_CONSTRAINT
8323	The specified value already exists.	ERROR_DS_ATT_VAL_ALREADY_EXISTS
8324	The attribute cannot be removed because it is not present on the object.	ERROR_DS_CANT_REM_MISSING_ATT
8325	The attribute value cannot be removed because it is not present on the object.	ERROR_DS_CANT_REM_MISSING_ATT_VAL
8326	The specified root object cannot be a sub-ref.	ERROR_DS_ROOT_CANT_BE_SUBREF
8327	Chaining is not permitted.	ERROR_DS_NO_CHAINING

8328	Chained evaluation is not permitted.	ERROR_DS_NO_CHAINED_EVAL
8329	The operation could not be performed because the object's parent is either uninstantiated or deleted.	ERROR_DS_NO_PARENT_OBJECT
8330	Having a parent that is an alias is not permitted. Aliases are leaf objects.	ERROR_DS_PARENT_IS_AN_ALIAS
8331	The object and parent must be of the same type, either both master or both replica.	ERROR_DS_CANT_MIX_MASTER_AND_REPS
8332	The operation cannot be performed because child objects exist. This operation can only be performed on a leaf object.	ERROR_DS_CHILDREN_EXIST
8333	Directory object not found.	ERROR_DS_OBJ_NOT_FOUND
8334	The aliased object is missing.	ERROR_DS_ALIASED_OBJ_MISSING
8335	The object name has bad syntax.	ERROR_DS_BAD_NAME_SYNTAX
8336	It is not permitted for an alias to refer to another alias.	ERROR_DS_ALIAS_POINTS_TO_ALIAS
8337	The alias cannot be de-referenced.	ERROR_DS_CANT_DEREF_ALIAS
8338	The operation is out of scope.	ERROR_DS_OUT_OF_SCOPE
8339	The operation cannot continue because the object is in the process of being removed.	ERROR_DS_OBJECT_BEING_REMOVED
8340	The DSA object cannot be deleted.	ERROR_DS_CANT_DELETE_DSA_OBJ
8341	A directory service error has occurred.	ERROR_DS_GENERIC_ERROR
8342	The operation can only be performed on an internal master DSA object.	ERROR_DS_DSA_MUST_BE_INT_MASTER
8343	The object must be of class DSA.	ERROR_DS_CLASS_NOT_DSA
8344	Insufficient access rights to perform the operation.	ERROR_DS_INSUFF_ACCESS_RIGHTS
8345	The object cannot be added because the parent is not on the list of possible superiors.	ERROR_DS_ILLEGAL_SUPERIOR
8346	Access to the attribute is not permitted because the attribute is owned by the Security Accounts Manager (SAM).	ERROR_DS_ATTRIBUTE_OWNED_BY_SAM
8347	The name has too many parts.	ERROR_DS_NAME_TOO_MANY_PARTS
8348	The name is too long.	ERROR_DS_NAME_TOO_LONG
8349	The name value is too long.	ERROR_DS_NAME_VALUE_TOO_LONG
8350	The directory service encountered an error parsing a name.	ERROR_DS_NAME_UNPARSEABLE
8351	The directory service cannot get the attribute type for a name.	ERROR_DS_NAME_TYPE_UNKNOWN
8352	The name does not identify an object; the name identifies a phantom.	ERROR_DS_NOT_AN_OBJECT
8353	The security descriptor is too short.	ERROR_DS_SEC_DESC_TOO_SHORT
8354	The security descriptor is invalid.	ERROR_DS_SEC_DESC_INVALID
8355	Failed to create name for deleted object.	ERROR_DS_NO_DELETED_NAME
8356	The parent of a new sub-ref must exist.	ERROR_DS_SUBREF_MUST_HAVE_PARENT
8357	The object must be a naming context.	ERROR_DS_NCNAME_MUST_BE_NC
8358	It is not permitted to add an attribute which is owned by the system.	ERROR_DS_CANT_ADD_SYSTEM_ONLY

8359	The class of the object must be structural; you cannot instantiate an abstract class.	ERROR_DS_CLASS_MUST_BE_CONCRETE
8360	The schema object could not be found.	ERROR_DS_INVALID_DMD
8361	A local object with this GUID (dead or alive) already exists.	ERROR_DS_OBJ_GUID_EXISTS
8362	The operation cannot be performed on a back link.	ERROR_DS_NOT_ON_BACKLINK
8363	The cross reference for the specified naming context could not be found.	ERROR_DS_NO_CROSSREF_FOR_NC
8364	The operation could not be performed because the directory service is shutting down.	ERROR_DS_SHUTTING_DOWN
8365	The directory service request is invalid.	ERROR_DS_UNKNOWN_OPERATION
8366	The role owner attribute could not be read.	ERROR_DS_INVALID_ROLE_OWNER
8367	The requested FSMO operation failed. The current FSMO holder could not be reached.	ERROR_DS_COULDNT_CONTACT_FSMO
8368	Modification of a DN across a naming context is not permitted.	ERROR_DS_CROSS_NC_DN_RENAME
8369	The attribute cannot be modified because it is owned by the system.	ERROR_DS_CANT_MOD_SYSTEM_ONLY
8370	Only the replicator can perform this function.	ERROR_DS_REPLICATOR_ONLY
8371	The specified class is not defined.	ERROR_DS_OBJ_CLASS_NOT_DEFINED
8372	The specified class is not a subclass.	ERROR_DS_OBJ_CLASS_NOT_SUBCLASS
8373	The name reference is invalid.	ERROR_DS_NAME_REFERENCE_INVALID
8374	A cross reference already exists.	ERROR_DS_CROSS_REF_EXISTS
8375	It is not permitted to delete a master cross reference.	ERROR_DS_CANT_DEL_MASTER_CROSSREF
8376	Sub-tree notifications are only supported on NC heads.	ERROR_DS_SUBTREE_NOTIFY_NOT_NC_HEAD
8377	Notification filter is too complex.	ERROR_DS_NOTIFY_FILTER_TOO_COMPLEX
8378	Schema update failed: duplicate RDN.	ERROR_DS_DUP_RDN
8379	Schema update failed: duplicate OID	ERROR_DS_DUP_OID
8380	Schema update failed: duplicate MAPI identifier.	ERROR_DS_DUP_MAPI_ID
8381	Schema update failed: duplicate schema-id GUID.	ERROR_DS_DUP_SCHEMA_ID_GUID
8382	Schema update failed: duplicate LDAP display name.	ERROR_DS_DUP_LDAP_DISPLAY_NAME
8383	Schema update failed: range-lower less than range upper	ERROR_DS_SEMANTIC_ATT_TEST
8384	Schema update failed: syntax mismatch	ERROR_DS_SYNTAX_MISMATCH
8385	Schema deletion failed: attribute is used in must-contain	ERROR_DS_EXISTS_IN_MUST_HAVE
8386	Schema deletion failed: attribute is used in may-contain	ERROR_DS_EXISTS_IN_MAY_HAVE
8387	Schema update failed: attribute in may-contain does not exist	ERROR_DS_NONEXISTENT_MAY_HAVE
8388	Schema update failed: attribute in must-contain does not exist	ERROR_DS_NONEXISTENT_MUST_HAVE
8389	Schema update failed: class in aux-class list does not exist or is not an auxiliary class	ERROR_DS_AUX_CLS_TEST_FAIL
8390	Schema update failed: class in poss-superiors does not exist	ERROR_DS_NONEXISTENT_POSS_SUP

8391	Schema update failed: class in subclassof list does not exist or does not satisfy hierarchy rules	ERROR_DS_SUB_CLS_TEST_FAIL
8392	Schema update failed: Rdn-Att-Id has wrong syntax	ERROR_DS_BAD_RDN_ATT_ID_SYNTAX
8393	Schema deletion failed: class is used as auxiliary class	ERROR_DS_EXISTS_IN_AUX_CLS
8394	Schema deletion failed: class is used as sub class	ERROR_DS_EXISTS_IN_SUB_CLS
8395	Schema deletion failed: class is used as poss superior	ERROR_DS_EXISTS_IN_POSS_SUP
8396	Schema update failed in recalculating validation cache.	ERROR_DS_RECALCSCHEMA_FAILED
8397	The tree deletion is not finished.	ERROR_DS_TREE_DELETE_NOT_FINISHED
8398	The requested delete operation could not be performed.	ERROR_DS_CANT_DELETE
8399	Cannot read the governs class identifier for the schema record.	ERROR_DS_ATT_SCHEMA_REQ_ID
8400	The attribute schema has bad syntax.	ERROR_DS_BAD_ATT_SCHEMA_SYNTAX
8401	The attribute could not be cached.	ERROR_DS_CANT_CACHE_ATT
8402	The class could not be cached.	ERROR_DS_CANT_CACHE_CLASS
8403	The attribute could not be removed from the cache.	ERROR_DS_CANT_REMOVE_ATT_CACHE
8404	The class could not be removed from the cache.	ERROR_DS_CANT_REMOVE_CLASS_CACHE
8405	The distinguished name attribute could not be read.	ERROR_DS_CANT_RETRIEVE_DN
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_MISSING_SUPREF
8407	The instance type attribute could not be retrieved.	ERROR_DS_CANT_RETRIEVE_INSTANCE
8408	An internal error has occurred.	ERROR_DS_CODE_INCONSISTENCY
8409	A database error has occurred.	ERROR_DS_DATABASE_ERROR
8410	The attribute GOVERNSID is missing.	ERROR_DS_GOVERNSID_MISSING
8411	An expected attribute is missing.	ERROR_DS_MISSING_EXPECTED_ATT
8412	The specified naming context is missing a cross reference.	ERROR_DS_NCNAME_MISSING_CR_REF
8413	A security checking error has occurred.	ERROR_DS_SECURITY_CHECKING_ERROR
8414	The schema is not loaded.	ERROR_DS_SCHEMA_NOT_LOADED
8415	Schema allocation failed. Please check if the machine is running low on memory.	ERROR_DS_SCHEMA_ALLOC_FAILED
8416	Failed to obtain the required syntax for the attribute schema.	ERROR_DS_ATT_SCHEMA_REQ_SYNTAX
8417	The global catalog verification failed. The global catalog is not available or does not support the operation. Some part of the directory is currently not available.	ERROR_DS_GCVERIFY_ERROR
8418	The replication operation failed because of a schema mismatch between the servers involved.	ERROR_DS_DRA_SCHEMA_MISMATCH
8419	The DSA object could not be found.	ERROR_DS_CANT_FIND_DSA_OBJ
8420	The naming context could not be found.	ERROR_DS_CANT_FIND_EXPECTED_NC
8421	The naming context could not be found in the cache.	ERROR_DS_CANT_FIND_NC_IN_CACHE
8422	The child object could not be retrieved.	ERROR_DS_CANT_RETRIEVE_CHILD

8423	The modification was not permitted for security reasons.	ERROR_DS_SECURITY_ILLEGAL_MODIFY
8424	The operation cannot replace the hidden record.	ERROR_DS_CANT_REPLACE_HIDDEN_REC
8425	The hierarchy file is invalid.	ERROR_DS_BAD_HIERARCHY_FILE
8426	The attempt to build the hierarchy table failed.	ERROR_DS_BUILD_HIERARCHY_TABLE_FAILED
8427	The directory configuration parameter is missing from the registry.	ERROR_DS_CONFIG_PARAM_MISSING
8428	The attempt to count the address book indices failed.	ERROR_DS_COUNTING_AB_INDICES_FAILED
8429	The allocation of the hierarchy table failed.	ERROR_DS_HIERARCHY_TABLE_MALLOC_FAILED
8430	The directory service encountered an internal failure.	ERROR_DS_INTERNAL_FAILURE
8431	The directory service encountered an unknown failure.	ERROR_DS_UNKNOWN_ERROR
8432	A root object requires a class of 'top'.	ERROR_DS_ROOT_REQUIRES_CLASS_TOP
8433	This directory server is shutting down, and cannot take ownership of new floating single-master operation roles.	ERROR_DS_REFUSING_FSMO_ROLES
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_FSMO_SETTINGS
8435	The directory service was unable to transfer ownership of one or more floating single-master operation roles to other servers.	ERROR_DS_UNABLE_TO_SURRENDER_ROLES
8436	The replication operation failed.	ERROR_DS_DRA_GENERIC
8437	An invalid parameter was specified for this replication operation.	ERROR_DS_DRA_INVALID_PARAMETER
8438	The directory service is too busy to complete the replication operation at this time.	ERROR_DS_DRA_BUSY
8439	The distinguished name specified for this replication operation is invalid.	ERROR_DS_DRA_BAD_DN
8440	The naming context specified for this replication operation is invalid.	ERROR_DS_DRA_BAD_NC
8441	The distinguished name specified for this replication operation already exists.	ERROR_DS_DRA_DN_EXISTS
8442	The replication system encountered an internal error.	ERROR_DS_DRA_INTERNAL_ERROR
8443	The replication operation encountered a database inconsistency.	ERROR_DS_DRA_INCONSISTENT_DIT
8444	The server specified for this replication operation could not be contacted.	ERROR_DS_DRA_CONNECTION_FAILED
8445	The replication operation encountered an object with an invalid instance type.	ERROR_DS_DRA_BAD_INSTANCE_TYPE
8446	The replication operation failed to allocate memory.	ERROR_DS_DRA_OUT_OF_MEM
8447	The replication operation encountered an error with the mail system.	ERROR_DS_DRA_MAIL_PROBLEM
8448	The replication reference information for the target server already exists.	ERROR_DS_DRA_REF_ALREADY_EXISTS
8449	The replication reference information for the target server does not exist.	ERROR_DS_DRA_REF_NOT_FOUND
8450	The naming context cannot be removed because it is replicated to another server.	ERROR_DS_DRA_OBJ_IS_REP_SOURCE
8451	The replication operation encountered a database error.	ERROR_DS_DRA_DB_ERROR
8452	The naming context is in the process of being removed or is not replicated from the specified server.	ERROR_DS_DRA_NO_REPLICA
8453	Replication access was denied.	ERROR_DS_DRA_ACCESS_DENIED

8454	The requested operation is not supported by this version of the directory service.	ERROR_DS_DRA_NOT_SUPPORTED
8455	The replication remote procedure call was cancelled.	ERROR_DS_DRA_RPC_CANCELLED
8456	The source server is currently rejecting replication requests.	ERROR_DS_DRA_SOURCE_DISABLED
8457	The destination server is currently rejecting replication requests.	ERROR_DS_DRA_SINK_DISABLED
8458	The replication operation failed due to a collision of object names.	ERROR_DS_DRA_NAME_COLLISION
8459	The replication source has been reinstalled.	ERROR_DS_DRA_SOURCE_REINSTALLED
8460	The replication operation failed because a required parent object is missing.	ERROR_DS_DRA_MISSING_PARENT
8461	The replication operation was preempted.	ERROR_DS_DRA_PREEMPTED
8462	The replication synchronization attempt was abandoned because of a lack of updates.	ERROR_DS_DRA_ABANDON_SYNC
8463	The replication operation was terminated because the system is shutting down.	ERROR_DS_DRA_SHUTDOWN
8464	The replication synchronization attempt failed as the destination partial attribute set is not a subset of source partial attribute set.	ERROR_DS_DRA_INCOMPATIBLE_PARTIAL_SET
8465	The replication synchronization attempt failed because a master replica attempted to sync from a partial replica.	ERROR_DS_DRA_SOURCE_IS_PARTIAL_REPLICA
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_EXTN_CONNECTION_FAILED
8467	The version of the Active Directory schema of the source forest is not compatible with the version of Active Directory on this computer.	ERROR_DS_INSTALL_SCHEMA_MISMATCH
8468	Schema update failed: An attribute with the same link identifier already exists.	ERROR_DS_DUP_LINK_ID
8469	Name translation: Generic processing error.	ERROR_DS_NAME_ERROR_RESOLVING
8470	Name translation: Could not find the name or insufficient right to see name.	ERROR_DS_NAME_ERROR_NOT_FOUND
8471	Name translation: Input name mapped to more than one output name.	ERROR_DS_NAME_ERROR_NOT_UNIQUE
8472	Name translation: Input name found, but not the associated output format.	ERROR_DS_NAME_ERROR_NO_MAPPING
8473	Name translation: Unable to resolve completely, only the domain was found.	ERROR_DS_NAME_ERROR_DOMAIN_ONLY
8474	Name translation: Unable to perform purely syntactical mapping at the client without going out to the wire.	ERROR_DS_NAME_ERROR_NO_SYNTACTICAL_MAPPING
8475	Modification of a constructed attribute is not allowed.	ERROR_DS_CONSTRUCTED_ATT_MOD
8476	The OM-Object-Class specified is incorrect for an attribute with the specified syntax.	ERROR_DS_WRONG_OM_OBJ_CLASS
8477	The replication request has been posted; waiting for reply.	ERROR_DS_DRA_REPL_PENDING
8478	The requested operation requires a directory service, and none was available.	ERROR_DS_DS_REQUIRED
8479	The LDAP display name of the class or attribute contains non-ASCII characters.	ERROR_DS_INVALID_LDAP_DISPLAY_NAME
8480	The requested search operation is only supported for base searches.	ERROR_DS_NON_BASE_SEARCH
8481	The search failed to retrieve attributes from the database.	ERROR_DS_CANT_RETRIEVE_ATTS
8482	The schema update operation tried to add a backward link attribute that has no corresponding forward link.	ERROR_DS_BACKLINK_WITHOUT_LINK

8483	Source and destination of a cross domain move do not agree on the object's epoch number. Either source or destination does not have the latest version of the object.	ERROR_DS_EPOCH_MISMATCH
8484	Source and destination of a cross domain move do not agree on the object's current name. Either source or destination does not have the latest version of the object.	ERROR_DS_SRC_NAME_MISMATCH
8485	Source and destination of a cross domain move operation are identical. Caller should use local move operation instead of cross domain move operation.	ERROR_DS_SRC_AND_DST_NC_IDENTICAL
8486	Source and destination for a cross domain move are not in agreement on the naming contexts in the forest. Either source or destination does not have the latest version of the Partitions container.	ERROR_DS_DST_NC_MISMATCH
8487	Destination of a cross domain move is not authoritative for the destination naming context.	ERROR_DS_NOT_AUTHORITIVE_FOR_DST_NC
8488	Source and destination of a cross domain move do not agree on the identity of the source object. Either source or destination does not have the latest version of the source object.	ERROR_DS_SRC_GUID_MISMATCH
8489	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_DELETED_OBJECT
8490	Another operation which requires exclusive access to the PDC PSMO is already in progress.	ERROR_DS_PDC_OPERATION_IN_PROGRESS
8491	A cross domain move operation failed such that the 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_DOMAIN_CLEANUP_REQD
8492	This object may not be moved across domain boundaries either because cross domain moves for this class are disallowed, or the object has some special characteristics, e.g.: trust account or restricted RID, which prevent its move.	ERROR_DS_ILLEGAL_XDOM_MOVE_OPERATIO N
8493	Can't move objects with memberships across domain boundaries as once moved, this would violate the membership conditions of the account group. Remove the object from any account group memberships and retry.	ERROR_DS_CANT_WITH_ACCT_GROUP_MEMB ERSHPS
8494	A naming context head must be the immediate child of another naming context head, not of an interior node.	ERROR_DS_NC_MUST_HAVE_NC_PARENT
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. Please ensure that the domain naming master role is held by a server that is configured as a global catalog server, and that the server is up to date with its replication partners. (Applies only to Windows 2000 Domain Naming masters)	ERROR_DS_CR_IMPOSSIBLE_TO_VALIDATE
8496	Destination domain must be in native mode.	ERROR_DS_DST_DOMAIN_NOT_NATIVE
8497	The operation cannot be performed because the server does not have an infrastructure container in the domain of interest.	ERROR_DS_MISSING_INFRASTRUCTURE_CON TAINER
8498	Cross-domain move of non-empty account groups is not allowed.	ERROR_DS_CANT_MOVE_ACCOUNT_GROUP
8499	Cross-domain move of non-empty resource groups is not allowed.	ERROR_DS_CANT_MOVE_RESOURCE_GROUP
8500	The search flags for the attribute are invalid. The ANR bit is valid only on attributes of Unicode or Teletext strings.	ERROR_DS_INVALID_SEARCH_FLAG
8501	Tree deletions starting at an object which has an NC head as a descendant are not allowed.	ERROR_DS_NO_TREE_DELETE_ABOVE_NC
8502	The directory service failed to lock a tree in preparation for a tree deletion because the tree was in use.	ERROR_DS_COULDNT_LOCK_TREE_FOR_DELE TE

8503	The directory service failed to identify the list of objects to delete while attempting a tree deletion.	ERROR_DS_COULDNT_IDENTIFY_OBJECTS_FOR_TREE_DELETE
8504	Security Accounts Manager 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
8505	Only an administrator can modify the membership list of an administrative group.	ERROR_DS_SENSITIVE_GROUP_VIOLATION
8506	Cannot change the primary group ID of a domain controller account.	ERROR_DS_CANT_MOD_PRIMARYGROUPID
8507	An attempt is made to modify the base schema.	ERROR_DS_ILLEGAL_BASE_SCHEMA_MOD
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 back link attribute (directly or through inheritance, for example, by adding or deleting an auxiliary class) is not allowed.	ERROR_DS_NONSAFE_SCHEMA_CHANGE
8509	Schema update is not allowed on this DC because the DC is not the schema FSMO Role Owner.	ERROR_DS_SCHEMA_UPDATE_DISALLOWED
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_CREATE_UNDER_SCHEMA
8511	The replica/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_NO_SRC_SCH_VERSION
8512	The replica/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_SCH_VERSION_IN_INIFILE
8513	The specified group type is invalid.	ERROR_DS_INVALID_GROUP_TYPE
8514	Cannot nest global groups in a mixed domain if the group is security-enabled.	ERROR_DS_NO_NEST_GLOBALGROUP_IN_MIXEDDOMAIN
8515	Cannot nest local groups in a mixed domain if the group is security-enabled.	ERROR_DS_NO_NEST_LOCALGROUP_IN_MIXEDDOMAIN
8516	A global group cannot have a local group as a member.	ERROR_DS_GLOBAL_CANT_HAVE_LOCAL_MEMBER
8517	A global group cannot have a universal group as a member.	ERROR_DS_GLOBAL_CANT_HAVE_UNIVERSAL_MEMBER
8518	A universal group cannot have a local group as a member.	ERROR_DS_UNIVERSAL_CANT_HAVE_LOCAL_MEMBER
8519	A global group cannot have a cross-domain member.	ERROR_DS_GLOBAL_CANT_HAVE_CROSSDOMAIN_MEMBER
8520	A local group cannot have another cross-domain local group as a member.	ERROR_DS_LOCAL_CANT_HAVE_CROSSDOMAIN_LOCAL_MEMBER
8521	A group with primary members cannot change to a security-disabled group.	ERROR_DS_HAVE_PRIMARY_MEMBERS
8522	The schema cache load failed to convert the string default SD on a class-schema object.	ERROR_DS_STRING_SD_CONVERSION_FAILED
8523	Only DSAs configured to be Global Catalog servers should be allowed to hold the Domain Naming Master FSMO role. (Applies only to Windows 2000 servers)	ERROR_DS_NAMING_MASTER_GC
8524	The DSA operation is unable to proceed because of a DNS lookup failure.	ERROR_DS_LOOKUP_FAILURE

8525	While processing a change to the DNS Host Name for an object, the Service Principal Name values could not be kept in sync.	ERROR_DS_COULDNT_UPDATE_SPNS
8526	The Security Descriptor attribute could not be read.	ERROR_DS_CANT_RETRIEVE_SD
8527	The object requested was not found, but an object with that key was found.	ERROR_DS_KEY_NOT_UNIQUE.
8528	The syntax of the linked attributed being added is incorrect. Forward links can only have syntax 2.5.5.1, 2.5.5.7, and 2.5.5.14, and back links can only have syntax 2.5.5.1.	ERROR_DS_WRONG_LINKED_ATT_SYNTAX
8529	Security Account Manager needs to get the boot password.	ERROR_DS_SAM_NEED_BOOTKEY_PASSWORD
8530	Security Account Manager needs to get the boot key from floppy disk.	ERROR_DS_SAM_NEED_BOOTKEY_FLOPPY
8531	Directory Service cannot start.	ERROR_DS_CANT_START
8532	Directory Services could not start.	ERROR_DS_INIT_FAILURE
8533	The connection between client and server requires packet privacy or better.	ERROR_DS_NO_PKT_PRIVACY_ON_CONNECTION
8534	The source domain may not be in the same forest as destination.	ERROR_DS_SOURCE_DOMAIN_IN_FOREST
8535	The destination domain must be in the forest.	ERROR_DS_DESTINATION_DOMAIN_NOT_IN_FOREST
8536	The operation requires that destination domain auditing be enabled.	ERROR_DS_DESTINATION_AUDITING_NOT_ENABLED
8537	The operation couldn't locate a DC for the source domain.	ERROR_DS_CANT_FIND_DC_FOR_SRC_DOMAIN
8538	The source object must be a group or user.	ERROR_DS_SRC_OBJ_NOT_GROUP_OR_USER
8539	The source object's SID already exists in destination forest.	ERROR_DS_SRC_SID_EXISTS_IN_FOREST
8540	The source and destination object must be of the same type.	ERROR_DS_SRC_AND_DST_OBJECT_CLASS_MISMATCH
8541	Security Accounts Manager 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_SAM_INIT_FAILURE
8542	Schema information could not be included in the replication request.	ERROR_DS_DRA_SCHEMA_INFO_SHIP
8543	The replication operation could not be completed due to a schema incompatibility.	ERROR_DS_DRA_SCHEMA_CONFLICT
8544	The replication operation could not be completed due to a previous schema incompatibility.	ERROR_DS_DRA_EARLIER_SCHEMA_CONLICT
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_OBJ_NC_MISMATCH
8546	The requested domain could not be deleted because there exist domain controllers that still host this domain.	ERROR_DS_NC_STILL_HAS_DSAS
8547	The requested operation can be performed only on a global catalog server.	ERROR_DS_GC_REQUIRED
8548	A local group can only be a member of other local groups in the same domain.	ERROR_DS_LOCAL_MEMBER_OF_LOCAL_ONLY
8549	Foreign security principals cannot be members of universal groups.	ERROR_DS_NO_FPO_IN_UNIVERSAL_GROUPS

8550	The attribute is not allowed to be replicated to the GC because of security reasons.	ERROR_DS_CANT_ADD_TO_GC
8551	The checkpoint with the PDC could not be taken because there are too many modifications being processed currently.	ERROR_DS_NO_CHECKPOINT_WITH_PDC
8552	The operation requires that source domain auditing be enabled.	ERROR_DS_SOURCE_AUDITING_NOT_ENABLED
8553	Security principal objects can only be created inside domain naming contexts.	ERROR_DS_CANT_CREATE_IN_NONDOMAIN_NC
8554	A Service Principal Name (SPN) could not be constructed because the provided hostname is not in the necessary format.	ERROR_DS_INVALID_NAME_FOR_SPN
8555	A Filter was passed that uses constructed attributes.	ERROR_DS_FILTER_USES_CONTRUCTED_ATTRS
8556	The unicodePwd attribute value must be enclosed in double quotes.	ERROR_DS_UNICODEPWD_NOT_IN_QUOTES
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_MACHINE_ACCOUNT_QUOTA_EXCEEDED
8558	For security reasons, the operation must be run on the destination DC.	ERROR_DS_MUST_BE_RUN_ON_DST_DC
8559	For security reasons, the source DC must be NT4SP4 or greater.	ERROR_DS_SRC_DC_MUST_BE_SP4_OR_GREATER
8560	Critical Directory Service System objects cannot be deleted during tree delete operations. The tree delete may have been partially performed.	ERROR_DS_CANT_TREE_DELETE_CRITICAL_OBJ
8561	Directory Services could not start because of the following error: %1. Error Status: 0x%2. Please click OK to shutdown the system. You can use the recovery console to diagnose the system further.	ERROR_DS_INIT_FAILURE_CONSOLE
8562	Security Accounts Manager initialization failed because of the following error: %1. Error Status: 0x%2. Please click OK to shutdown the system. You can use the recovery console to diagnose the system further.	ERROR_DS_SAM_INIT_FAILURE_CONSOLE
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_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_HIGH
8565	This 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_FOREST_VERSION_TOO_LOW
8566	This 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_DOMAIN_VERSION_TOO_LOW
8567	The version of the operating system installed on this server is incompatible with the functional level of the domain or forest.	ERROR_DS_INCOMPATIBLE_VERSION
8568	The functional level of the domain (or forest) cannot be raised to the requested value, because there exist one or more domain controllers in the domain (or forest) that are at a lower incompatible functional level.	ERROR_DS_LOW_DSA_VERSION
8569	The forest functional level cannot be raised to the requested level since one or more domains are still in mixed domain mode. All domains in the forest must be in native mode before you can raise the forest functional level.	ERROR_DS_NO_BEHAVIOR_VERSION_IN_MIXEDDOMAIN

8570	The sort order requested is not supported.	ERROR_DS_NOT_SUPPORTED_SORT_ORDER
8571	The requested name already exists as a unique identifier.	ERROR_DS_NAME_NOT_UNIQUE
8572	The machine account was created pre-NT4. The account needs to be recreated.	ERROR_DS_MACHINE_ACCOUNT_CREATED_P RENT4
8573	The database is out of version store.	ERROR_DS_OUT_OF_VERSION_STORE
8574	Unable to continue operation because multiple conflicting controls were used.	ERROR_DS_INCOMPATIBLE_CONTROLS_USED
8575	Unable to find a valid security descriptor reference domain for this partition.	ERROR_DS_NO_REF_DOMAIN
8576	Schema update failed: The link identifier is reserved.	ERROR_DS_RESERVED_LINK_ID
8577	Schema update failed: There are no link identifiers available.	ERROR_DS_LINK_ID_NOT_AVAILABLE
8578	An account group cannot have a universal group as a member.	ERROR_DS_AG_CANT_HAVE_UNIVERSAL_MEM BER
8579	Rename or move operations on naming context heads or read-only objects are not allowed.	ERROR_DS_MODIFYDN_DISALLOWED_BY_INST ANCE_TYPE
8580	Move operations on objects in the schema naming context are not allowed.	ERROR_DS_NO_OBJECT_MOVE_IN_SCHEMA_N C
8581	A system flag has been set on the object and does not allow the object to be moved or renamed.	ERROR_DS_MODIFYDN_DISALLOWED_BY_FLA G
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_MODIFYDN_WRONG_GRANDPARE NT
8583	Unable to resolve completely, a referral to another forest is generated.	ERROR_DS_NAME_ERROR_TRUST_REFERRAL
8584	The requested action is not supported on standard server.	ERROR_NOT_SUPPORTED_ON_STANDARD_SE RVER
8585	Could not access a partition of the Active Directory located on a remote server. Make sure at least one server is running for the partition in question.	ERROR_DS_CANT_ACCESS_REMOTE_PART_O F_AD
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. Please ensure that the parent naming context is properly registryed in DNS, and at least one replica of this naming context is reachable by the Domain Naming master.	ERROR_DS_CR_IMPOSSIBLE_TO_VALIDATE
8587	The thread limit for this request was exceeded.	ERROR_DS_THREAD_LIMIT_EXCEEDED
8588	The Global catalog server is not in the closet site.	ERROR_DS_NOT_CLOSEST
8589	The DS cannot derive a service principal name (SPN) with which to mutually authenticate the target server because the corresponding server object in the local DS database has no serverReference attribute.	ERROR_DS_CANT_DERIVE_SPN_WITHOUT_SE RVER_REF
8590	The Directory Service failed to enter single user mode.	ERROR_DS_SINGLE_USER_MODE_FAILED
8591	The Directory Service cannot parse the script because of a syntax error.	ERROR_DS_NTDSCRIPT_SYNTAX_ERROR
8592	The Directory Service cannot process the script because of an error.	ERROR_DS_NTDSCRIPT_PROCESS_ERROR
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_DIFFERENT_REPL_EPOCHS
8594	The directory service binding must be renegotiated due to a change in the server extensions information.	ERROR_DS_DRS_EXTENSIONS_CHANGED
8595	Operation not allowed on a disabled cross ref.	ERROR_DS_REPLICA_SET_CHANGE_NOT_ALL OWED_ON_DISABLED_CR

8596	Schema update failed: No values for msDS-IntId are available.	ERROR_DS_NO_MSDS_INTID
8597	Schema update failed: Duplicate msDS-INtId. Retry the operation.	ERROR_DS_DUP_MSDS_INTID
8598	Schema deletion failed: attribute is used in rDNAttID.	ERROR_DS_EXISTS_IN_RDNATTID
8599	The directory service failed to authorize the request.	ERROR_DS_AUTHORIZATION_FAILED
8600	The Directory Service cannot process the script because it is invalid.	ERROR_DS_INVALID_SCRIPT
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_REMOTE_CROSSREF_OP_FAILED
8602	A cross reference is in use locally with the same name.	ERROR_DS_CROSS_REF_BUSY
8603	The DS cannot derive a service principal name (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_FOR_DELETED_DOMAIN
8604	Writeable NCs prevent this DC from demoting.	ERROR_DS_CANT_DEMOTE_WITH_WRITEABLE_NC
8605	The requested object has a non-unique identifier and cannot be retrieved.	ERROR_DS_DUPLICATE_ID_FOUND
8606	Insufficient attributes were given to create an object. This object may not exist because it may have been deleted and already garbage collected.	ERROR_DS_INSUFFICIENT_ATTR_TO_CREATE_OBJECT
8607	The group cannot be converted due to attribute restrictions on the requested group type.	ERROR_DS_GROUP_CONVERSION_ERROR
8608	Cross-domain move of non-empty basic application groups is not allowed.	ERROR_DS_CANT_MOVE_APP_BASIC_GROUP
8609	Cross-domain move on non-empty query based application groups is not allowed.	ERROR_DS_CANT_MOVE_APP_QUERY_GROUP
8610	The role owner could not be verified because replication of its partition has not occurred recently.	ERROR_DS_ROLE_NOT_VERIFIED
8611	The target container for a redirection of a well-known object container cannot already be a special container.	ERROR_DS_WKO_CONTAINER_CANNOT_BE_SPECIAL
8612	The Directory Service cannot perform the requested operation because a domain rename operation is in progress.	ERROR_DS_DOMAIN_RENAME_IN_PROGRESS
8613	The Active Directory detected an Active Directory child partition below the requested new partition name. The Active Directory's partition hierarchy must be created in a top-down method.	ERROR_DS_EXISTING_AD_CHILD_NC
9001	DNS server unable to interpret format.	DNS_ERROR_RCODE_FORMAT_ERROR
9002	DNS server failure.	DNS_ERROR_RCODE_SERVER_FAILURE
9003	DNS name does not exist.	DNS_ERROR_RCODE_NAME_ERROR
9004	DNS request not supported by name server.	DNS_ERROR_RCODE_NOT_IMPLEMENTED
9005	DNS operation refused.	DNS_ERROR_RCODE_REFUSED
9006	DNS name that ought not exist, does exist.	DNS_ERROR_RCODE_YXDOMAIN
9007	DNS RR set that ought not exist, does exist.	DNS_ERROR_RCODE_YXRRSET
9008	DNS RR set that ought to exist, does not exist.	DNS_ERROR_RCODE_NXRRSET
9009	DNS server not authoritative for zone.	DNS_ERROR_RCODE_NOTAUTH
9010	DNS name in update or pre-req. is not in zone.	DNS_ERROR_RCODE_NOTZONE
9016	DNS signature failed to verify.	DNS_ERROR_RCODE_BADSIG

9017	DNS bad key.	DNS_ERROR_RCODE_BADKEY
9018	DNS signature validity expired.	DNS_ERROR_RCODE_BADTIME
9501	No records found for given DNS query.	DNS_INFO_NO_RECORDS
9502	Bad DNS packet.	DNS_ERROR_BAD_PACKET
9503	No DNS packet.	DNS_ERROR_NO_PACKET
9504	DNS error, check rcode.	DNS_ERROR_RCODE
9505	Unsecured DNS packet.	DNS_ERROR_UNSECURE_PACKET
9551	Invalid DNS type.	DNS_ERROR_INVALID_TYPE
9552	Invalid IP address.	DNS_ERROR_INVALID_IP_ADDRESS
9553	Invalid property.	DNS_ERROR_INVALID_PROPERTY
9554	Try DNS operation again later.	DNS_ERROR_TRY_AGAIN_LATER
9555	Record for given name and type is not unique.	DNS_ERROR_NOT_UNIQUE
9556	DNS name does not comply with RFC specifications.	DNS_ERROR_NON_RFC_NAME
9557	DNS name is a fully-qualified DNS name.	DNS_STATUS_FQDN
9558	DNS name is dotted (multi-label).	DNS_STATUS_DOTTED_NAME
9559	DNS name is a single-part name.	DNS_STATUS_SINGLE_PART_NAME
9560	DSN name contains an invalid character.	DNS_ERROR_INVALID_NAME_CHAR
9561	DNS name is entirely numeric.	DNS_ERROR_NUMERIC_NAME
9562	The operation requested is not permitted on a DNS root server.	DNS_ERROR_NOT_ALLOWED_ON_ROOT_SERVER
9563	The record could not be created because this part of the DNS namespace has been delegated to another server.	DNS_ERROR_NOT_ALLOWED_UNDER_DELEGATION
9564	The DNS server could not find a set of root hints.	DNS_ERROR_CANNOT_FIND_ROOT_HINTS
9565	The DNS server found root hints but they were not consistent across all adapters.	DNS_ERROR_INCONSISTENT_ROOT_HINTS
9601	DNS zone does not exist.	DNS_ERROR_ZONE_DOES_NOT_EXIST
9602	DNS zone information not available.	DNS_ERROR_NO_ZONE_INFO
9603	Invalid operation for DNS zone.	DNS_ERROR_INVALID_ZONE_OPERATION
9604	Invalid DNS zone configuration.	DNS_ERROR_ZONE_CONFIGURATION_ERROR
9605	DNS zone has no start of authority (SOA) record.	DNS_ERROR_ZONE_HAS_NO_SOA_RECORD
9606	DNS zone has no name server (NS) record.	DNS_ERROR_ZONE_HAS_NO_NS_RECORDS
9607	DNS zone is locked.	DNS_ERROR_ZONE_LOCKED
9608	DNS zone creation failed.	DNS_ERROR_ZONE_CREATION_FAILED
9609	DNS zone already exists.	DNS_ERROR_ZONE_ALREADY_EXISTS
9610	DNS automatic zone already exists.	DNS_ERROR_AUTOZONE_ALREADY_EXISTS
9611	Invalid DNS zone type.	DNS_ERROR_INVALID_ZONE_TYPE

9612	Secondary DNS zone requires master IP address.	DNS_ERROR_SECONDARY_REQUIRES_MASTER_IP
9613	DNS zone not secondary.	DNS_ERROR_ZONE_NOT_SECONDARY
9614	Need secondary IP address.	DNS_ERROR_NEED_SECONDARY_ADDRESSES
9615	WINS initialization failed.	DNS_ERROR_WINS_INIT_FAILED
9616	Need WINS servers.	DNS_ERROR_NEED_WINS_SERVERS
9617	NBTSTAT initialization call failed.	DNS_ERROR_NBSTAT_INIT_FAILED
9618	Invalid delete of start of authority (SOA)	DNS_ERROR_SOA_DELETE_INVALID
9619	A conditional forwarding zone already exists for that name.	DNS_ERROR_FORWARDER_ALREADY_EXISTS
9620	This zone must be configured with one or more master DNS server IP addresses.	DNS_ERROR_ZONE_REQUIRES_MASTER_IP
9621	The operation cannot be performed because this zone is shutdown.	DNS_ERROR_ZONE_IS_SHUTDOWN
9651	Primary DNS zone requires data file.	DNS_ERROR_PRIMARY_REQUIRES_DATAFILE
9652	Invalid data file name for DNS zone.	DNS_ERROR_INVALID_DATAFILE_NAME
9653	Failed to open data file for DNS zone.	DNS_ERROR_DATAFILE_OPEN_FAILURE
9654	Failed to write data file for DNS zone.	DNS_ERROR_FILE_WRITEBACK_FAILED
9655	Failure while reading data file for DNS zone.	DNS_ERROR_DATAFILE_PARSING
9701	DNS record does not exist.	DNS_ERROR_RECORD_DOES_NOT_EXIST
9702	DNS record format error.	DNS_ERROR_RECORD_FORMAT
9703	Node creation failure in DNS.	DNS_ERROR_NODE_CREATION_FAILED
9704	Unknown DNS record type.	DNS_ERROR_UNKNOWN_RECORD_TYPE
9705	DNS record timed out.	DNS_ERROR_RECORD_TIMED_OUT
9706	Name not in DNS zone.	DNS_ERROR_NAME_NOT_IN_ZONE
9707	CNAME loop detected.	DNS_ERROR_CNAME_LOOP
9708	Node is a CNAME DNS record.	DNS_ERROR_NODE_IS_CNAME
9709	A CNAME record already exists for given name.	DNS_ERROR_CNAME_COLLISION
9710	Record only at DNS zone root.	DNS_ERROR_RECORD_ONLY_AT_ZONE_ROOT
9711	DNS record already exists.	DNS_ERROR_RECORD_ALREADY_EXISTS
9712	Secondary DNS zone data error.	DNS_ERROR_SECONDARY_DATA
9713	Could not create DNS cache data.	DNS_ERROR_NO_CREATE_CACHE_DATA
9714	DNS name does not exist.	DNS_ERROR_NAME_DOES_NOT_EXIST
9715	Could not create pointer (PTR) record.	DNS_WARNING_PTR_CREATE_FAILED
9716	DNS domain was undeleted.	DNS_WARNING_DOMAIN_UNDELETED
9717	The directory service is unavailable.	DNS_ERROR_DS_UNAVAILABLE
9718	DNS zone already exists in the directory service.	DNS_ERROR_DS_ZONE_ALREADY_EXISTS

9719	DNS server not creating or reading the boot file for the directory service integrated DNS zone.	DNS_ERROR_NO_BOOTFILE_IF_DS_ZONE
9751	DNS AXFR (zone transfer) complete.	DNS_INFO_AXFR_COMPLETE
9752	DNS zone transfer failed.	DNS_ERROR_AXFR
9753	Added local WINS server.	DNS_INFO_ADDED_LOCAL_WINS
9801	Secure update call needs to continue update request.	DNS_STATUS_CONTINUE_NEEDED
9851	TCP/IP network protocol not installed.	DNS_ERROR_NO_TCPIP
9852	No DNS servers configured for local system.	DNS_ERROR_NO_DNS_SERVERS
9901	The specified directory partition does not exist.	DNS_ERROR_DP_DOES_NOT_EXIST
9902	The specified directory partition already exists.	DNS_ERROR_DP_ALREADY_EXISTS
9903	The DNS server is not enlisted in the specified directory partition.	DNS_ERROR_DP_NOT_ENLISTED
9904	The DNS server is already enlisted in the specified directory partition.	DNS_ERROR_DP_ALREADY_ENLISTED
9905	The directory partition is not available at this time. Please wait a few minutes and try again.	DNS_ERROR_DP_NOT_AVAILABLE.
10004	A blocking operation was interrupted by a call to WSACancelBlockingCall.	WSAEINTR
10009	The file handle supplied is not valid.	WSAEBADF
10013	An attempt was made to access a socket in a way forbidden by its access permissions.	WSAEACCES
10014	The system detected an invalid pointer address in attempting to use a pointer argument in a call.	WSAEFAULT
10022	An invalid argument was supplied.	WSAEINVAL
10024	Too many open sockets.	WSAEMFILE
10035	A non-blocking socket operation could not be completed immediately.	WSAEWOULDBLOCK
10036	A blocking operation is currently executing.	WSAEINPROGRESS
10037	An operation was attempted on a non-blocking socket that already had an operation in progress.	WSAEALREADY
10038	An operation was attempted on something that is not a socket.	WSAENOTSOCK
10039	A required address was omitted from an operation on a socket.	WSAEDESTADDRREQ
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.	WSAEMSGSIZE
10041	A protocol was specified in the socket function call that does not support the semantics of the socket type requested.	WSAEPROTOTYPE
10042	An unknown, invalid, or unsupported option or level was specified in a getsockopt or setsockopt call.	WSAENOPROTOOPT
10043	The requested protocol has not been configured into the system, or no implementation for it exists.	WSAEPROTONOSUPPORT
10044	The support for the specified socket type does not exist in this address family.	WSAESOCKTNOSUPPORT
10045	The attempted operation is not supported for the type of object referenced.	WSAEOPNOTSUPP

10046	The protocol family has not been configured into the system or no implementation for it exists.	WSAEPFNOSUPPORT
10047	An address incompatible with the requested protocol was used.	WSAEAFNOSUPPORT
10048	Only one usage of each socket address (protocol/network address/port) is normally permitted.	WSAEADDRINUSE
10049	The requested address is not valid in its context.	WSAEADDRNOTAVAIL
10050	A socket operation encountered a dead network.	WSAENETDOWN
10051	A socket operation was attempted to an unreachable network.	WSAENETUNREACH
10052	The connection has been broken due to keep-alive activity detecting a failure while the operation was in progress.	WSAENETRESET
10053	An established connection was aborted by the software in your host machine.	WSAECONNABORTED
10054	An existing connection was forcibly closed by the remote host.	WSAECONNRESET
10055	An operation on a socket could not be performed because the system lacked sufficient buffer space or because a queue was full.	WSAENOBUFS
10056	A connect request was made on an already connected socket.	WSAEISCONN
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.	WSAENOTCONN
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.	WSAESHUTDOWN
10059	Too many references to some kernel object.	WSAETOOMANYREFS
10060	A connection attempt failed because the connected party did not properly respond after a period of time, or established connection failed because connected host has failed to respond.	WSAETIMEDOUT
10061	No connection could be made because the target machine actively refused it.	WSAECONNREFUSED
10062	Cannot translate name.	WSAELOOP
10063	Name component or name was too long.	WSAENAMETOOLONG
10064	A socket operation failed because the destination host was down.	WSAEHOSTDOWN
10065	A socket operation was attempted to an unreachable host.	WSAEHOSTUNREACH
10066	Cannot remove a directory that is not empty.	WSAENOTEMPTY
10067	A Windows Sockets implementation may have a limit on the number of applications that may use it simultaneously.	WSAEPROCLIM
10068	Ran out of quota.	WSAEUSERS
10069	Ran out of disk quota.	WSAEDQUOT
10070	File handle reference is no longer available.	WSAESTALE
10071	Item is not available locally.	WSAEREMOTE
10091	WSAStartup cannot function at this time because the underlying system it uses to provide network services is currently unavailable.	WSASYSNOTREADY
10092	The Windows Sockets version requested is not supported.	WSAVERNOTSUPPORTED
10093	Either the application has not called WSAStartup, or WSAStartup failed.	WSANOTINITIALISED

10101	Returned by WSARecv or WSARecvFrom to indicate the remote party has initiated a graceful shutdown sequence.	WSAEDISCON
10102	No more results can be returned by WSALookupServiceNext.	WSAENOMORE
10103	A call to WSALookupServiceEnd was made while this call was still processing. The call has been canceled.	WSAECANCELLED
10104	The procedure call table is invalid.	WSAEINVALIDPROCTABLE
10105	The requested service provider is invalid.	WSAEINVALIDPROVIDER
10106	The requested service provider could not be loaded or initialized.	WSAEPROVIDERFAILEDINIT
10107	A system call that should never fail has failed.	WSASYSCALLFAILURE
10108	No such service is known. The service cannot be found in the specified name space.	WSASERVICE_NOT_FOUND
10109	The specified class was not found.	WSATYPE_NOT_FOUND
10110	No more results can be returned by WSALookupServiceNext.	WSA_E_NO_MORE
10111	A call to WSALookupServiceEnd was made while this call was still processing. The call has been canceled.	WSA_E_CANCELLED
10112	A database query failed because it was actively refused.	WSAEREFUSED
11001	No such host is known.	WSAHOST_NOT_FOUND
11002	This is usually a temporary error during hostname resolution and means that the local server did not receive a response from an authoritative server.	WSATRY_AGAIN
11003	A non-recoverable error occurred during a database lookup.	WSANO_RECOVERY
11004	The requested name is valid, but no data of the requested type was found.	WSANO_DATA
11005	At least one reserve has arrived.	WSA_QOS_RECEIVERS
11006	At least one path has arrived.	WSA_QOS_SENDERS
11007	There are no senders.	WSA_QOS_NO_SENDERS
11008	There are no receivers.	WSA_QOS_NO_RECEIVERS
11009	Reserve has been confirmed.	WSA_QOS_REQUEST_CONFIRMED
11010	Error due to lack of resources.	WSA_QOS_ADMISSION_FAILURE
11011	Rejected for administrative reasons - bad credentials.	WSA_QOS_POLICY_FAILURE
11012	Unknown or conflicting style.	WSA_QOS_BAD_STYLE
11013	Problem with some part of the filter spec or provide-specific buffer in general.	WSA_QOS_BAD_OBJECT
11014	Problem with some part of the flow spec.	WSA_QOS_TRAFFIC_CTRL_ERROR
11015	General QOS error.	WSA_QOS_GENERIC_ERROR
11016	An invalid or unrecognized service type was found in the flow spec.	WSA_QOS_ESERVICETYPE
11017	An invalid or inconsistent flow spec was found in the QOS structure.	WSA_QOS_EFLOWSPEC
11018	Invalid QOS provider-specific buffer.	WSA_QOS_EPROVSPECBUF
11019	An invalid QOS filter style was used.	WSA_QOS_EFILTERSTYLE
11020	An invalid QOS filter type was used.	WSA_QOS_EFILTERTYPE

11021	An incorrect number of QOS FILTERSPECs were specified in the FLOWDESCRIPTOR.	WSA_QOS_EFILTERCOUNT
11022	An object with an invalid ObjectLength field was specified in the QOS provider-specific buffer.	WSA_QOS_EOBJLENGTH
11023	An incorrect number of flow descriptors was specified in the QOS structure.	WSA_QOS_EFLOWCOUNT
11024	An unrecognized object was found in the QOS provider-specific buffer.	WSA_QOS_EUNKNOWNPSOBJ
11025	An invalid policy object was found in the QOS provider-specific buffer.	WSA_QOS_EPOLICYOBJ
11026	An invalid QOS flow descriptor was found in the flow descriptor list.	WSA_QOS_EFLOWDESC
11027	An invalid or inconsistent flow spec was found in the QOS provider-specific buffer.	WSA_QOS_EPSFLOWSPEC
11028	An invalid FILTERSPEC was found in the QOS provider-specific buffer.	WSA_QOS_EPSFILTERSPEC
11029	An invalid shape discard mode object was found in the QOS provider-specific buffer.	WSA_QOS_ESDMODEOBJ
11030	An invalid shaping rate object was found in the QOS provider-specific buffer.	WSA_QOS_ESHAPERATEOBJ
11031	A reserved policy element was found in the QOS provider-specific buffer.	WSA_QOS_RESERVED_PETYPE
13000	The specified quick mode policy already exists.	ERROR_IPSEC_QM_POLICY_EXISTS
13001	The specified quick mode policy was not found.	ERROR_IPSEC_QM_POLICY_NOT_FOUND
13002	The specified quick mode policy is being used.	ERROR_IPSEC_QM_POLICY_IN_USE
13003	The specified main mode policy already exists.	ERROR_IPSEC_MM_POLICY_EXISTS
13004	The specified main mode policy was not found.	ERROR_IPSEC_MM_POLICY_NOT_FOUND
13005	The specified main mode policy is being used.	ERROR_IPSEC_MM_POLICY_IN_USE
13006	The specified main mode filter already exists.	ERROR_IPSEC_MM_FILTER_EXISTS
13007	The specified main mode filter was not found.	ERROR_IPSEC_MM_FILTER_NOT_FOUND
13008	The specified transport mode filter already exists.	ERROR_IPSEC_TRANSPORT_FILTER_EXISTS
13009	The specified transport mode filter does not exist.	ERROR_IPSEC_TRANSPORT_FILTER_NOT_FOUND
13010	The specified main mode authentication list exists.	ERROR_IPSEC_MM_AUTH_EXISTS
13011	The specified main mode authentication list was not found.	ERROR_IPSEC_MM_AUTH_NOT_FOUND
13012	The specified quick mode policy is being used.	ERROR_IPSEC_MM_AUTH_IN_USE
13013	The specified main mode policy was not found.	ERROR_IPSEC_DEFAULT_MM_POLICY_NOT_FOUND
13014	The specified quick mode policy was not found.	ERROR_IPSEC_DEFAULT_MM_AUTH_NOT_FOUND
13015	The manifest file contains one or more syntax errors.	ERROR_IPSEC_DEFAULT_QM_POLICY_NOT_FOUND
13016	The application attempted to activate a disabled activation context.	ERROR_IPSEC_TUNNEL_FILTER_EXISTS
13017	The requested lookup key was not found in any active activation context.	ERROR_IPSEC_TUNNEL_FILTER_NOT_FOUND
13018	The Main Mode filter is pending deletion.	ERROR_IPSEC_MM_FILTER_PENDING_DELETION

13019	The transport filter is pending deletion.	ERROR_IPSEC_TRANSPORT_FILTER_PENDING_DELETION
13020	The tunnel filter is pending deletion.	ERROR_IPSEC_TUNNEL_FILTER_PENDING_DELETION
13021	The Main Mode policy is pending deletion.	ERROR_IPSEC_MM_POLICY_PENDING_DELETION
13022	The Main Mode authentication bundle is pending deletion.	ERROR_IPSEC_MM_AUTH_PENDING_DELETION
13023	The Quick Mode policy is pending deletion.	ERROR_IPSEC_QM_POLICY_PENDING_DELETION
13024	The Main Mode policy was successfully added, but some of the requested offers are not supported.	WARNING_IPSEC_MM_POLICY_PRUNED
13025	The Quick Mode policy was successfully added, but some of the requested offers are not supported.	WARNING_IPSEC_QM_POLICY_PRUNED
13801	IKE authentication credentials are unacceptable.	ERROR_IPSEC_IKE_AUTH_FAIL
13802	IKE security attributes are unacceptable.	ERROR_IPSEC_IKE_ATTRIB_FAIL
13803	IKE Negotiation in progress.	ERROR_IPSEC_IKE_NEGOTIATION_PENDING
13804	General processing error.	ERROR_IPSEC_IKE_GENERAL_PROCESSING_ERROR
13805	Negotiation timed out.	ERROR_IPSEC_IKE_TIMED_OUT
13806	IKE failed to find valid machine certificate.	ERROR_IPSEC_IKE_NO_CERT
13807	IKE SA deleted by peer before establishment completed.	ERROR_IPSEC_IKE_SA_DELETED
13808	IKE SA deleted before establishment completed.	ERROR_IPSEC_IKE_SA_REAPED
13809	Negotiation request sat in Queue too long.	ERROR_IPSEC_IKE_MM_ACQUIRE_DROP
13810	Negotiation request sat in Queue too long.	ERROR_IPSEC_IKE_QM_ACQUIRE_DROP
13811	Negotiation request sat in Queue too long.	ERROR_IPSEC_IKE_QUEUE_DROP_MM
13812	Negotiation request sat in Queue too long.	ERROR_IPSEC_IKE_QUEUE_DROP_NO_MM
13813	No response from peer.	ERROR_IPSEC_IKE_DROP_NO_RESPONSE
13814	Negotiation took too long.	ERROR_IPSEC_IKE_MM_DELAY_DROP
13815	Negotiation took too long.	ERROR_IPSEC_IKE_QM_DELAY_DROP
13816	Unknown error occurred.	ERROR_IPSEC_IKE_ERROR
13817	Certificate Revocation Check failed.	ERROR_IPSEC_IKE_CRL_FAILED
13818	Invalid certificate key usage.	ERROR_IPSEC_IKE_INVALID_KEY_USAGE
13819	Invalid certificate type.	ERROR_IPSEC_IKE_INVALID_CERT_TYPE
13820	No private key associated with machine certificate.	ERROR_IPSEC_IKE_NO_PRIVATE_KEY
13822	Failure in Diffie-Helman computation.	ERROR_IPSEC_IKE_DH_FAIL
13824	Invalid header.	ERROR_IPSEC_IKE_INVALID_HEADER
13825	No policy configured.	ERROR_IPSEC_IKE_NO_POLICY
13826	Failed to verify signature.	ERROR_IPSEC_IKE_INVALID_SIGNATURE

13827	Failed to authenticate using Kerberos.	ERROR_IPSEC_IKE_KERBEROS_ERROR
13828	Peer's certificate did not have a public key.	ERROR_IPSEC_IKE_NO_PUBLIC_KEY
13829	Error processing error payload.	ERROR_IPSEC_IKE_PROCESS_ERR
13830	Error processing SA payload.	ERROR_IPSEC_IKE_PROCESS_ERR_SA
13831	Error processing Proposal payload.	ERROR_IPSEC_IKE_PROCESS_ERR_PROP
13832	Error processing Transform payload.	ERROR_IPSEC_IKE_PROCESS_ERR_TRANS
13833	Error processing KE payload.	ERROR_IPSEC_IKE_PROCESS_ERR_KE
13834	Error processing ID payload.	ERROR_IPSEC_IKE_PROCESS_ERR_ID
13835	Error processing Cert payload.	ERROR_IPSEC_IKE_PROCESS_ERR_CERT
13836	Error processing Certificate Request payload.	ERROR_IPSEC_IKE_PROCESS_ERR_CERT_REQ
13837	Error processing Hash payload.	ERROR_IPSEC_IKE_PROCESS_ERR_HASH
13838	Error processing Signature payload.	ERROR_IPSEC_IKE_PROCESS_ERR_SIG
13839	Error processing Nonce payload.	ERROR_IPSEC_IKE_PROCESS_ERR_NONCE
13840	Error processing Notify payload.	ERROR_IPSEC_IKE_PROCESS_ERR_NOTIFY
13841	Error processing Delete Payload.	ERROR_IPSEC_IKE_PROCESS_ERR_DELETE
13842	Error processing VendorId payload.	ERROR_IPSEC_IKE_PROCESS_ERR_VENDOR
13843	Invalid payload received.	ERROR_IPSEC_IKE_INVALID_PAYLOAD
13844	Soft SA loaded.	ERROR_IPSEC_IKE_LOAD_SOFT_SA
13845	Soft SA torn down.	ERROR_IPSEC_IKE_SOFT_SA_TORN_DOWN
13846	Invalid cookie received..	ERROR_IPSEC_IKE_INVALID_COOKIE
13847	Peer failed to send valid machine certificate.	ERROR_IPSEC_IKE_NO_PEER_CERT
13848	Certification Revocation check of peer's certificate failed.	ERROR_IPSEC_IKE_PEER_CRL_FAILED
13849	New policy invalidated SAs formed with old policy.	ERROR_IPSEC_IKE_POLICY_CHANGE
13850	There is no available Main Mode IKE policy.	ERROR_IPSEC_IKE_NO_MM_POLICY
13851	Failed to enabled TCB privilege.****	ERROR_IPSEC_IKE_NOTCBPRIV
13852	Failed to load SECURITY.DLL.	ERROR_IPSEC_IKE_SECLOADFAIL
13853	Failed to obtain security function table dispatch address from SSPI.	ERROR_IPSEC_IKE_FAILSSPINIT
13854	Failed to query Kerberos package to obtain max token size.	ERROR_IPSEC_IKE_FAILQUERYSSP
13855	Failed to obtain Kerberos server credentials for 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_SRVACQFAIL
13856	Failed to determine SSPI principal name for ISAKMP/ERROR_IPSEC_IKE service (QueryCredentialsAttributes).	ERROR_IPSEC_IKE_SRVQUERYCRED
13857	Failed to obtain new SPI for the inbound SA from 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_GETSPIFAIL

13858	Given filter is invalid.	ERROR_IPSEC_IKE_INVALID_FILTER
13859	Memory allocation failed.	ERROR_IPSEC_IKE_OUT_OF_MEMORY
13860	Failed to add Security Association to 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_ADD_UPDATE_KEY_FAILED
13861	Invalid policy.	ERROR_IPSEC_IKE_INVALID_POLICY
13862	Invalid DOI.	ERROR_IPSEC_IKE_UNKNOWN_DOI
13863	Invalid situation.	ERROR_IPSEC_IKE_INVALID_SITUATION
13864	Diffie-Hellman failure.	ERROR_IPSEC_IKE_DH_FAILURE
13865	Invalid Diffie-Hellman group.	ERROR_IPSEC_IKE_INVALID_GROUP
13866	Error encrypting payload.	ERROR_IPSEC_IKE_ENCRYPT
13867	Error decrypting payload.	ERROR_IPSEC_IKE_DECRYPT
13868	Policy match error.	ERROR_IPSEC_IKE_POLICY_MATCH
13869	Unsupported ID.	ERROR_IPSEC_IKE_UNSUPPORTED_ID
13870	Hash verification failed.	ERROR_IPSEC_IKE_INVALID_HASH
13871	Invalid hash algorithm.	ERROR_IPSEC_IKE_INVALID_HASH_ALG
13872	Invalid hash size.	ERROR_IPSEC_IKE_INVALID_HASH_SIZE
13873	Invalid encryption algorithm.	ERROR_IPSEC_IKE_INVALID_ENCRYPT_ALG
13874	Invalid authentication algorithm.	ERROR_IPSEC_IKE_INVALID_AUTH_ALG
13875	Invalid certificate signature.	ERROR_IPSEC_IKE_INVALID_SIG
13876	Load failed.	ERROR_IPSEC_IKE_LOAD_FAILED
13877	Deleted via RPC call.	ERROR_IPSEC_IKE_RPC_DELETE
13878	Temporary state created to perform reinit. This is not a real failure.	ERROR_IPSEC_IKE_BENIGN_REINIT
13879	The lifetime value received in the Responder Lifetime Notify is below the Windows 2000 configured minimum value. Please fix the policy on the peer machine.	ERROR_IPSEC_IKE_INVALID_RESPONDER_LIFETIME_NOTIFY
13881	Key length in certificate is too small for configured security requirements.	ERROR_IPSEC_IKE_INVALID_CERT_KEYLEN
13882	Max number of established MM SAs to peer exceeded.	ERROR_IPSEC_IKE_MM_LIMIT
13883	IKE received a policy that disables negotiation.	ERROR_IPSEC_IKE_NEGOTIATION_DISABLED
13884	ERROR_IPSEC_IKE_NEG_STATUS_END	ERROR_IPSEC_IKE_NEG_STATUS_END
14000	The requested section was not present in the activation context.	ERROR_SXS_SECTION_NOT_FOUND
14001	This application has failed to start because the application configuration is incorrect. Reinstalling the application may fix this problem.	ERROR_SXS_CANT_GEN_ACTCTX
14002	The application binding data format is invalid.	ERROR_SXS_INVALID_ACTCTXDATA_FORMAT
14003	The referenced assembly is not installed on your system.	ERROR_SXS_ASSEMBLY_NOT_FOUND
14004	The manifest file does not begin with the required tag and format information.	ERROR_SXS_MANIFEST_FORMAT_ERROR
14005	The manifest file contains one or more syntax errors.	ERROR_SXS_MANIFEST_PARSE_ERROR

14006	The application attempted to activate a disabled activation context.	ERROR_SXS_ACTIVATION_CONTEXT_DISABLED
14007	The requested lookup key was not found in any active activation context.	ERROR_SXS_KEY_NOT_FOUND
14008	A component version required by the application conflicts with another component version already active.	ERROR_SXS_VERSION_CONFLICT
14009	The type requested activation context section does not match the query API used.	ERROR_SXS_WRONG_SECTION_TYPE
14010	Lack of system resources has required isolated activation to be disabled for the current thread of execution.	ERROR_SXS_THREAD_QUERIES_DISABLED
14011	An attempt to set the process default activation context failed because the process default activation context was already set.	ERROR_SXS_PROCESS_DEFAULT_ALREADY_SET
14012	The encoding group identifier specified is not recognized.	ERROR_SXS_UNKNOWN_ENCODING_GROUP
14013	The encoding requested is not recognized.	ERROR_SXS_UNKNOWN_ENCODING
14014	The manifest contains a reference to an invalid URI.	ERROR_SXS_INVALID_XML_NAMESPACE_URI
14015	The application manifest contains a reference to a dependent assembly which is not installed.	ERROR_SXS_ROOT_MANIFEST_DEPENDENCY_NOT_INSTALLED
14016	The manifest for an assembly used by the application has a reference to a dependent assembly which is not installed.	ERROR_SXS_LEAF_MANIFEST_DEPENDENCY_NOT_INSTALLED
14017	The manifest contains an attribute for the assembly identity which is not valid.	ERROR_SXS_INVALID_ASSEMBLY_IDENTITY_ATTRIBUTE
14018	The manifest is missing the required default namespace specification on the assembly element.	ERROR_SXS_MANIFEST_MISSING_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_INVALID_REQUIRED_DEFAULT_NAMESPACE
14020	The private manifest probe has crossed the reparse-point-associated path.	ERROR_SXS_PRIVATE_MANIFEST_CROSS_PATH_WITH_REPARSE_POINT
14021	Two or more components referenced directly or indirectly by the application manifest have files by the same name.	ERROR_SXS_DUPLICATE_DLL_NAME
14022	Two or more components referenced directly or indirectly by the application manifest have window classes with the same name.	ERROR_SXS_DUPLICATE_WINDOWCLASS_NAME
14023	Two or more components referenced directly or indirectly by the application manifest have the same COM server CLSIDs.	ERROR_SXS_DUPLICATE_CLSID
14024	Two or more components referenced directly or indirectly by the application manifest have proxies for the same COM interface IIDs.	ERROR_SXS_DUPLICATE_IID
14025	Two or more components referenced directly or indirectly by the application manifest have the same COM type library TLBIDs.	ERROR_SXS_DUPLICATE_TLBID
14026	Two or more components referenced directly or indirectly by the application manifest have the same COM ProgIDs.	ERROR_SXS_DUPLICATE_PROGID
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_ASSEMBLY_NAME
14028	A component's file does not match the verification information present in the component manifest.	ERROR_SXS_FILE_HASH_MISMATCH
14029	The policy manifest contains one or more syntax errors.	ERROR_SXS_POLICY_PARSE_ERROR
14030	Manifest Parse Error : A string literal was expected, but no opening quote character was found.	ERROR_SXS_XML_E_MISSINGQUOTE

14031	Manifest Parse Error : Incorrect syntax was used in a comment.	ERROR_SXS_XML_E_COMMENTSYNTAX
14032	Manifest Parse Error : A name was started with an invalid character.	ERROR_SXS_XML_E_BADSTARTNAMECHAR
14033	Manifest Parse Error : A name contained an invalid character.	ERROR_SXS_XML_E_BADNAMECHAR
14034	Manifest Parse Error : A string literal contained an invalid character.	ERROR_SXS_XML_E_BADCHARINSTRING
14035	Manifest Parse Error : Invalid syntax for an XML declaration.	ERROR_SXS_XML_E_XMLDECLSYNTAX
14036	Manifest Parse Error : An invalid character was found in text content.	ERROR_SXS_XML_E_BADCHARDATA
14037	Manifest Parse Error : Required white space was missing.	ERROR_SXS_XML_E_MISSINGWHITESPACE
14038	Manifest Parse Error : The character '>' was expected.	ERROR_SXS_XML_E_EXPECTINGTAGEND
14039	Manifest Parse Error : A semi colon character was expected.	ERROR_SXS_XML_E_MISSINGSEMICOLON
14040	Manifest Parse Error : Unbalanced parentheses.	ERROR_SXS_XML_E_UNBALANCEDPAREN
14041	Manifest Parse Error : Internal error.	ERROR_SXS_XML_E_INTERNALERROR
14042	Manifest Parse Error : White space is not allowed at this location.	ERROR_SXS_XML_E_UNEXPECTED_WHITESPACE
14043	Manifest Parse Error : End of file reached in invalid state for current encoding.	ERROR_SXS_XML_E_INCOMPLETE_ENCODING
14044	Manifest Parse Error : Missing parenthesis.	ERROR_SXS_XML_E_MISSING_PAREN
14045	Manifest Parse Error : A single or double closing quote character (\' or \") is missing.	ERROR_SXS_XML_E_EXPECTINGCLOSEQUOTE
14046	Manifest Parse Error : Multiple colons are not allowed in a name.	ERROR_SXS_XML_E_MULTIPLE_COLONS
14047	Manifest Parse Error : Invalid character for decimal digit.	ERROR_SXS_XML_E_INVALID_DECIMAL
14048	Manifest Parse Error : Invalid character for hexadecimal digit.	ERROR_SXS_XML_E_INVALID_HEXIDECIMAL
14049	Manifest Parse Error : Invalid Unicode character value for this platform.	ERROR_SXS_XML_E_INVALID_UNICODE
14050	Manifest Parse Error : Expecting white space or '?'.	ERROR_SXS_XML_E_WHITESPACEORQUESTIONMARK
14051	Manifest Parse Error : End tag was not expected at this location.	ERROR_SXS_XML_E_UNEXPECTEDENDTAG
14052	Manifest Parse Error : The following tags were not closed: %1.	ERROR_SXS_XML_E_UNCLOSEDTAG
14053	Manifest Parse Error : Duplicate attribute.	ERROR_SXS_XML_E_DUPLICATEATTRIBUTE
14054	Manifest Parse Error : Only one top level element is allowed in an XML document.	ERROR_SXS_XML_E_MULTIPLEROOTS
14055	Manifest Parse Error : Invalid at the top level of the document.	ERROR_SXS_XML_E_INVALIDATROOTLEVEL
14056	Manifest Parse Error : Invalid XML declaration.	ERROR_SXS_XML_E_BADXMLDECL
14057	Manifest Parse Error : XML document must have a top level element.	ERROR_SXS_XML_E_MISSINGROOT
14058	Manifest Parse Error : Unexpected end of file.	ERROR_SXS_XML_E_UNEXPECTEDEOF
14059	Manifest Parse Error : Parameter entities cannot be used inside markup declarations in an internal subset.	ERROR_SXS_XML_E_BADPEREFINSUBSET
14060	Manifest Parse Error : Element was not closed.	ERROR_SXS_XML_E_UNCLOSEDSTARTTAG
14061	Manifest Parse Error : End element was missing the character '>'.	ERROR_SXS_XML_E_UNCLOSEDENDTAG
14062	Manifest Parse Error : A string literal was not closed.	ERROR_SXS_XML_E_UNCLOSEDSTRING

14063	Manifest Parse Error : A comment was not closed.	ERROR_SXS_XML_E_UNCLOSEDCOMMENT
14064	Manifest Parse Error : A declaration was not closed.	ERROR_SXS_XML_E_UNCLOSEDDECL
14065	Manifest Parse Error : A CDATA section was not closed.	ERROR_SXS_XML_E_UNCLOSEDCDATA
14066	Manifest Parse Error : The namespace prefix is not allowed to start with the reserved string "xml".	ERROR_SXS_XML_E_RESERVEDNAMESPACE
14067	Manifest Parse Error : System does not support the specified encoding.	ERROR_SXS_XML_E_INVALIDENCODING
14068	Manifest Parse Error : Switch from current encoding to specified encoding not supported.	ERROR_SXS_XML_E_INVALIDSWITCH
14069	Manifest Parse Error : The name 'xml' is reserved and must be lower case.	ERROR_SXS_XML_E_BADXMLCASE
14070	Manifest Parse Error : The standalone attribute must have the value 'yes' or 'no'.	ERROR_SXS_XML_E_INVALID_STANDALONE
14071	Manifest Parse Error : The standalone attribute cannot be used in external entities.	ERROR_SXS_XML_E_UNEXPECTED_STANDALONE
14072	Manifest Parse Error : Invalid version number.	ERROR_SXS_XML_E_INVALID_VERSION
14073	Manifest Parse Error : Missing equals sign between attribute and attribute value.	ERROR_SXS_XML_E_MISSINGEQUALS
14074	Assembly Protection Error: Unable to recover the specified assembly.	ERROR_SXS_PROTECTION_RECOVERY_FAILED
14075	Assembly Protection Error: The public key for an assembly was too short to be allowed.	ERROR_SXS_PROTECTION_PUBLIC_KEY_TOO_SHORT
14076	Assembly Protection Error: The catalog for an assembly is not valid, or does not match the assembly's manifest.	ERROR_SXS_PROTECTION_CATALOG_NOT_VALID
14077	An HRESULT could not be translated to a corresponding Win32 error code.	ERROR_SXS_UNTRANSLATABLE_HRESULT
14078	Assembly Protection Error: The catalog for an assembly is missing.	ERROR_SXS_PROTECTION_CATALOG_FILE_MISSING
14079	The supplied assembly identity is missing one or more attributes which must be present in this context.	ERROR_SXS_MISSING_ASSEMBLY_IDENTITY_ATTRIBUTE
14080	The supplied assembly identity has one or more attribute names that contain characters not permitted in XML names.	ERROR_SXS_INVALID_ASSEMBLY_IDENTITY_ATTRIBUTE_NAME

Platform SDK Release: October 2002

13 Microsoft Windows CE System Errors

Microsoft Windows CE 3.0

The following table shows possible system error values.

Code	Description	Name
0	The operation completed successfully.	ERROR_SUCCESS
1	Incorrect function.	ERROR_INVALID_FUNCTION
2	The system cannot find the file specified.	ERROR_FILE_NOT_FOUND
3	The system cannot find the path specified.	ERROR_PATH_NOT_FOUND
4	The system cannot open the file.	ERROR_TOO_MANY_OPEN_FILES
5	Access is denied.	ERROR_ACCESS_DENIED
6	The handle is invalid.	ERROR_INVALID_HANDLE
7	The storage control blocks were destroyed.	ERROR_ARENA_TRASHED
8	Not enough storage is available to process this command.	ERROR_NOT_ENOUGH_MEMORY
9	The storage control block address is invalid.	ERROR_INVALID_BLOCK
10	The environment is incorrect.	ERROR_BAD_ENVIRONMENT
11	An attempt was made to load a program with an incorrect format.	ERROR_BAD_FORMAT
12	The access code is invalid.	ERROR_INVALID_ACCESS
13	The data is invalid.	ERROR_INVALID_DATA
14	Not enough storage is available to complete this operation.	ERROR_OUTOFMEMORY
15	The system cannot find the drive specified.	ERROR_INVALID_DRIVE
16	The directory cannot be removed.	ERROR_CURRENT_DIRECTORY
17	The system cannot move the file to a different disk drive.	ERROR_NOT_SAME_DEVICE
18	There are no more files.	ERROR_NO_MORE_FILES
19	The media is write-protected.	ERROR_WRITE_PROTECT
20	The system cannot find the specified device.	ERROR_BAD_UNIT
21	The device is not ready.	ERROR_NOT_READY
22	The device does not recognize the command.	ERROR_BAD_COMMAND
23	Data error (cyclic redundancy check).	ERROR_CRC
24	The program issued a command but the command length is incorrect.	ERROR_BAD_LENGTH
25	The drive cannot locate a specific area or track on the disk.	ERROR_SEEK
26	The specified disk or diskette cannot be accessed.	ERROR_NOT_DOS_DISK
27	The drive cannot find the sector requested.	ERROR_SECTOR_NOT_FOUND
28	The printer is out of paper.	ERROR_OUT_OF_PAPER
29	The system cannot write to the specified device.	ERROR_WRITE_FAULT
30	The system cannot read from the specified device.	ERROR_READ_FAULT
31	A device attached to the system is not functioning.	ERROR_GEN_FAILURE
32	The process cannot access the file because it is being used by another	ERROR_SHARING_VIOLATION

	process.	
33	The process cannot access the file because another process has locked a portion of the file.	ERROR_LOCK_VIOLATION
34	The wrong diskette is in the drive. Insert %2 (Volume Serial Number: %3) into drive %1.	ERROR_WRONG_DISK
36	Too many files opened for sharing.	ERROR_SHARING_BUFFER_EXCEEDED
38	Reached the end of the file.	ERROR_HANDLE_EOF
39	The disk is full.	ERROR_HANDLE_DISK_FULL
50	The network request is not supported.	ERROR_NOT_SUPPORTED
51	The remote computer is not available.	ERROR_REM_NOT_LIST
52	A duplicate name exists on the network.	ERROR_DUP_NAME
53	The network path was not found.	ERROR_BAD_NETPATH
54	The network is busy.	ERROR_NETWORK_BUSY
55	The specified network resource or device is no longer available.	ERROR_DEV_NOT_EXIST
56	The network BIOS command limit has been reached.	ERROR_TOO_MANY_CMDS
57	A network adapter hardware error occurred.	ERROR_ADAP_HDW_ERR
58	The specified server cannot perform the requested operation.	ERROR_BAD_NET_RESP
59	An unexpected network error occurred.	ERROR_UNEXP_NET_ERR
60	The remote adapter is not compatible.	ERROR_BAD_REM_ADAP
61	The printer queue is full.	ERROR_PRINTQ_FULL
62	Space to store the file waiting to be printed is not available on the server.	ERROR_NO_SPOOL_SPACE
63	Your file waiting to be printed was deleted.	ERROR_PRINT_CANCELLED
64	The specified network name is no longer available.	ERROR_NETNAME_DELETED
65	Network access is denied.	ERROR_NETWORK_ACCESS_DENIED
66	The network resource type is not correct.	ERROR_BAD_DEV_TYPE
67	The network name cannot be found.	ERROR_BAD_NET_NAME
68	The name limit for the local computer network adapter card was exceeded.	ERROR_TOO_MANY_NAMES
69	The network BIOS session limit was exceeded.	ERROR_TOO_MANY_SESS
70	The remote server has been paused or is in the process of being started.	ERROR_SHARING_PAUSED
71	No more connections can be made to this remote computer at this time because there are already as many connections as the computer can accept.	ERROR_REQ_NOT_ACCEP
72	The specified printer or disk device has been paused.	ERROR_REDIR_PAUSED
80	The file exists.	ERROR_FILE_EXISTS
82	The directory or file cannot be created.	ERROR_CANNOT_MAKE
83	Fail oninterrupt 24 handler.	ERROR_FAIL_I24
84	Storage to process this request is not available.	ERROR_OUT_OF_STRUCTURES
85	The local device name is already in use.	ERROR_ALREADY_ASSIGNED
86	The specified network password is not correct.	ERROR_INVALID_PASSWORD
87	The parameter is incorrect.	ERROR_INVALID_PARAMETER

88	A write fault occurred on the network.	ERROR_NET_WRITE_FAULT
89	The system cannot start another process at this time.	ERROR_NO_PROC_SLOTS
100	Cannot create another system semaphore.	ERROR_TOO_MANY_SEMAPHORES
101	The exclusive semaphore is owned by another process.	ERROR_EXCL_SEM_ALREADY_OWNED
102	The semaphore is set and cannot be closed.	ERROR_SEM_IS_SET
103	The semaphore cannot be set again.	ERROR_TOO_MANY_SEM_REQUESTS
104	Cannot request exclusive semaphores at interrupt time.	ERROR_INVALID_AT_INTERRUPT_TIME
105	The previous ownership of this semaphore has ended.	ERROR_SEM_OWNER_DIED
106	Insert the diskette for drive %1.	ERROR_SEM_USER_LIMIT
107	The program stopped because an alternate diskette was not inserted.	ERROR_DISK_CHANGE
108	The disk is in use or locked by another process.	ERROR_DRIVE_LOCKED
109	The pipe has been ended.	ERROR_BROKEN_PIPE
110	The system cannot open the device or file specified.	ERROR_OPEN_FAILED
111	The file name is too long.	ERROR_BUFFER_OVERFLOW
112	There is not enough space on the disk.	ERROR_DISK_FULL
113	No more internal file identifiers available.	ERROR_NO_MORE_SEARCH_HANDLES
114	The target internal file identifier is incorrect.	ERROR_INVALID_TARGET_HANDLE
117	The IOCTL call made by the application program is not correct.	ERROR_INVALID_CATEGORY
118	The verify-on-write switch parameter value is not correct.	ERROR_INVALID_VERIFY_SWITCH
119	The system does not support the command requested.	ERROR_BAD_DRIVER_LEVEL
120	This function is not valid on this platform.	ERROR_CALL_NOT_IMPLEMENTED
121	The semaphore time-out period has expired.	ERROR_SEM_TIMEOUT
122	The data area passed to a system call is too small.	ERROR_INSUFFICIENT_BUFFER
123	The file name, directory name, or volume label syntax is incorrect.	ERROR_INVALID_NAME
124	The system call level is not correct.	ERROR_INVALID_LEVEL
125	The disk has no volume label.	ERROR_NO_VOLUME_LABEL
126	The specified module could not be found.	ERROR_MOD_NOT_FOUND
127	The specified procedure could not be found.	ERROR_PROC_NOT_FOUND
128	There are no child processes to wait for.	ERROR_WAIT_NO_CHILDREN
129	The %1 application cannot be run in Windows NT mode.	ERROR_CHILD_NOT_COMPLETE
130	Attempt to use a file handle to an open disk partition for an operation other than raw disk I/O.	ERROR_DIRECT_ACCESS_HANDLE
131	An attempt was made to move the file pointer before the beginning of the file.	ERROR_NEGATIVE_SEEK
132	The file pointer cannot be set on the specified device or file.	ERROR_SEEK_ON_DEVICE
133	A JOIN or SUBST command cannot be used for a drive that contains previously joined drives.	ERROR_IS_JOIN_TARGET
134	An attempt was made to use a JOIN or SUBST command on a drive that has already been joined.	ERROR_IS_JOINED

135	An attempt was made to use a JOIN or SUBST command on a drive that has already been substituted.	ERROR_IS_SUBSTED
136	The system tried to delete the JOIN of a drive that is not joined.	ERROR_NOT_JOINED
137	The system tried to delete the substitution of a drive that is not substituted.	ERROR_NOT_SUBSTED
138	The system tried to join a drive to a directory on a joined drive.	ERROR_JOIN_TO_JOIN
139	The system tried to substitute a drive to a directory on a substituted drive.	ERROR_SUBST_TO_SUBST
140	The system tried to join a drive to a directory on a substituted drive.	ERROR_JOIN_TO_SUBST
141	The system tried to SUBST a drive to a directory on a joined drive.	ERROR_SUBST_TO_JOIN
142	The system cannot perform a JOIN or SUBST at this time.	ERROR_BUSY_DRIVE
143	The system cannot join or substitute a drive to or for a directory on the same drive.	ERROR_SAME_DRIVE
144	The directory is not a subdirectory of the root directory.	ERROR_DIR_NOT_ROOT
145	The directory is not empty.	ERROR_DIR_NOT_EMPTY
146	The path specified is being used in a substitute.	ERROR_IS_SUBST_PATH
147	Not enough resources are available to process this command.	ERROR_IS_JOIN_PATH
148	The path specified cannot be used at this time.	ERROR_PATH_BUSY
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_IS_SUBST_TARGET
150	System trace information was not specified in your Config.sys file, or tracing is disallowed.	ERROR_SYSTEM_TRACE
151	The number of specified semaphore events for DosMuxSemWait is not correct.	ERROR_INVALID_EVENT_COUNT
152	DosMuxSemWait did not execute; too many semaphores are already set.	ERROR_TOO_MANY_MUXWAITERS
153	The DosMuxSemWait list is not correct.	ERROR_INVALID_LIST_FORMAT
154	The volume label you entered exceeds the label character limit of the target file system.	ERROR_LABEL_TOO_LONG
155	Cannot create another thread.	ERROR_TOO_MANY_TCBS
156	The recipient process has refused the signal.	ERROR_SIGNAL_REFUSED
157	The segment is already discarded and cannot be locked.	ERROR_DISCARDED
158	The segment is already unlocked.	ERROR_NOT_LOCKED
159	The address for the thread identifier is not correct.	ERROR_BAD_THREADID_ADDR
160	The argument string passed to DosExecPgm is not correct.	ERROR_BAD_ARGUMENTS
161	The specified path is invalid.	ERROR_BAD_PATHNAME
162	A signal is already pending.	ERROR_SIGNAL_PENDING
164	No more threads can be created in the system.	ERROR_MAX_THRDS_REACHED
167	Unable to lock a region of a file.	ERROR_LOCK_FAILED
170	The requested resource is in use.	ERROR_BUSY
173	A lock request was not outstanding for the supplied cancel region.	ERROR_CANCEL_VIOLATION
174	The file system does not support atomic changes to the lock type.	ERROR_ATOMIC_LOCKS_NOT_SUPPORTED
180	The system detected a segment number that was not correct.	ERROR_INVALID_SEGMENT_NUMBER

182	The operating system cannot run %1.	ERROR_INVALID_ORDINAL
183	Cannot create a file when that file already exists.	ERROR_ALREADY_EXISTS
186	The flag passed is not correct.	ERROR_INVALID_FLAG_NUMBER
187	The specified system semaphore name was not found.	ERROR_SEM_NOT_FOUND
188	The operating system cannot run %1.	ERROR_INVALID_STARTING_CODESEG
189	The operating system cannot run %1.	ERROR_INVALID_STACKSEG
190	The operating system cannot run %1.	ERROR_INVALID_MODULETYPE
191	Cannot run %1 in Windows NT mode.	ERROR_INVALID_EXE_SIGNATURE
192	The operating system cannot run %1.	ERROR_EXE_MARKED_INVALID
193	Is not a valid application.	ERROR_BAD_EXE_FORMAT
194	The operating system cannot run %1.	ERROR_ITERATED_DATA_EXCEEDS_64k
195	The operating system cannot run %1.	ERROR_INVALID_MINALLOCSIZE
196	The operating system cannot run this application program.	ERROR_DYNLINK_FROM_INVALID_RING
197	The operating system is not presently configured to run this application.	ERROR_IOPL_NOT_ENABLED
198	The operating system cannot run %1.	ERROR_INVALID_SEGDPL
199	The operating system cannot run this application program.	ERROR_AUTODATASEG_EXCEEDS_64k
200	The code segment cannot be greater than or equal to 64 KB.	ERROR_RING2SEG_MUST_BE_MOVABLE
201	The operating system cannot run %1.	ERROR_RELOC_CHAIN_XEEDS_SEGLIM
202	The operating system cannot run %1.	ERROR_INFLOOP_IN_RELOC_CHAIN
203	The system could not find the environment option that was entered.	ERROR_ENVVAR_NOT_FOUND
205	No process in the command subtree has a signal handler.	ERROR_NO_SIGNAL_SENT
206	The file name or extension is too long.	ERROR_FILENAME_EXCED_RANGE
207	The ring 2 stack is in use.	ERROR_RING2_STACK_IN_USE
208	The global file name characters, "*" or "?," are entered incorrectly or too many global file name characters are specified.	ERROR_META_EXPANSION_TOO_LONG
209	The signal being posted is not correct.	ERROR_INVALID_SIGNAL_NUMBER
210	The signal handler cannot be set.	ERROR_THREAD_1_INACTIVE
212	The segment is locked and cannot be reallocated.	ERROR_LOCKED
214	Too many dynamic-link modules are attached to this program or dynamic-link module.	ERROR_TOO_MANY_MODULES
215	Cannot nest calls to the **LoadModule** function.	ERROR_NESTING_NOT_ALLOWED
216	The image file %1 is valid, but is for a machine type other than the current machine.	ERROR_EXE_MACHINE_TYPE_MISMATCH
230	The pipe state is invalid.	ERROR_BAD_PIPE
231	All pipe instances are busy.	ERROR_PIPE_BUSY
232	The pipe is being closed.	ERROR_NO_DATA
233	No process is on the other end of the pipe.	ERROR_PIPE_NOT_CONNECTED
234	More data is available.	ERROR_MORE_DATA
240	The session was canceled.	ERROR_VC_DISCONNECTED

254	The specified extended attribute name was invalid.	ERROR_INVALID_EA_NAME
255	The extended attributes are inconsistent.	ERROR_EA_LIST_INCONSISTENT
259	No more data is available.	ERROR_NO_MORE_ITEMS
266	The copy functions cannot be used.	ERROR_CANNOT_COPY
267	The directory name is invalid.	ERROR_DIRECTORY
275	The extended attributes did not fit in the buffer.	ERROR_EAS_DIDNT_FIT
276	The extended attribute file on the mounted file system is corrupt.	ERROR_EA_FILE_CORRUPT
277	The extended attribute table file is full.	ERROR_EA_TABLE_FULL
278	The specified extended attribute handle is invalid.	ERROR_INVALID_EA_HANDLE
282	The mounted file system does not support extended attributes.	ERROR_EAS_NOT_SUPPORTED
288	Attempt to release mutex not owned by caller.	ERROR_NOT_OWNER
298	Too many posts were made to a semaphore.	ERROR_TOO_MANY_POSTS
299	Only part of a **ReadProcessMemory** or **WriteProcessMemory** request was completed.	ERROR_PARTIAL_COPY
317	The system cannot find message text for message number 0x%1 in the message file for %2.	ERROR_MR_MID_NOT_FOUND
487	Attempt to access invalid address.	ERROR_INVALID_ADDRESS
534	Arithmetic result exceeded 32 bits.	ERROR_ARITHMETIC_OVERFLOW
535	There is a process on other end of the pipe.	ERROR_PIPE_CONNECTED
536	Waiting for a process to open the other end of the pipe.	ERROR_PIPE_LISTENING
994	Access to the extended attribute was denied.	ERROR_EA_ACCESS_DENIED
995	The I/O operation has been aborted because of either a thread exit or an application request.	ERROR_OPERATION_ABORTED
996	Overlapped I/O event is not in a signaled state.	ERROR_IO_INCOMPLETE
997	Overlapped I/O operation is in progress.	ERROR_IO_PENDING
998	Invalid access to memory location.	ERROR_NOACCESS
999	Error performing inpage operation.	ERROR_SWAPERROR
1001	Recursion too deep; the stack overflowed.	ERROR_STACK_OVERFLOW
1002	The window cannot act on the sent message.	ERROR_INVALID_MESSAGE
1003	Cannot complete this function.	ERROR_CAN_NOT_COMPLETE
1004	Invalid flags.	ERROR_INVALID_FLAGS
1005	The volume does not contain a recognized file system. Verify that all required file system drivers are loaded and that the volume is not corrupted.	ERROR_UNRECOGNIZED_VOLUME
1006	The volume for a file has been externally altered so that the opened file is no longer valid.	ERROR_FILE_INVALID
1007	The requested operation cannot be performed in full-screen mode.	ERROR_FULLSCREEN_MODE
1008	An attempt was made to reference a token that does not exist.	ERROR_NO_TOKEN
1009	The configuration registry database is corrupt.	ERROR_BADDB
1010	The configuration registry key is invalid.	ERROR_BADKEY

1011	The configuration registry key could not be opened.	ERROR_CANTOPEN
1012	The configuration registry key could not be read.	ERROR_CANTREAD
1013	The configuration registry key could not be written.	ERROR_CANTWRITE
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_REGISTRY_RECOVERED
1015	The registry is corrupted. The structure of one of the files that contains registry data is corrupted, or the system's image of the file in memory is corrupted, or the file could not be recovered because the alternate copy or log was absent or corrupted.	ERROR_REGISTRY_CORRUPT
1016	An I/O operation initiated by the registry failed unrecoverably. The registry could not read in, or write out, or flush, one of the files that contain the system's image of the registry.	ERROR_REGISTRY_IO_FAILED
1017	The system has attempted to load or restore a file into the registry, but the specified file is not in a registry file format.	ERROR_NOT_REGISTRY_FILE
1018	Illegal operation attempted on a registry key that has been marked for deletion.	ERROR_KEY_DELETED
1019	System could not allocate the required space in a registry log.	ERROR_NO_LOG_SPACE
1020	Cannot create a symbolic link in a registry key that already has sub-keys or values.	ERROR_KEY_HAS_CHILDREN
1021	Cannot create a stable sub-key under a volatile parent key.	ERROR_CHILD_MUST_BE_VOLATILE
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_NOTIFY_ENUM_DIR
1051	A stop control has been sent to a service that other running services are dependent on.	ERROR_DEPENDENT_SERVICES_RUNNING
1052	The requested control is not valid for this service.	ERROR_INVALID_SERVICE_CONTROL
1053	The service did not respond to the start or control request in a timely fashion.	ERROR_SERVICE_REQUEST_TIMEOUT
1054	A thread could not be created for the service.	ERROR_SERVICE_NO_THREAD
1055	The service database is locked.	ERROR_SERVICE_DATABASE_LOCKED
1056	An instance of the service is already running.	ERROR_SERVICE_ALREADY_RUNNING
1057	The account name is invalid or does not exist.	ERROR_INVALID_SERVICE_ACCOUNT
1058	The specified service is disabled and cannot be started.	ERROR_SERVICE_DISABLED
1059	Circular service dependency was specified.	ERROR_CIRCULAR_DEPENDENCY
1060	The specified service does not exist as an installed service.	ERROR_SERVICE_DOES_NOT_EXIST
1061	The service cannot accept control messages at this time.	ERROR_SERVICE_CANNOT_ACCEPT_CTRL
1062	The service has not been started.	ERROR_SERVICE_NOT_ACTIVE
1063	The service process could not connect to the service controller.	ERROR_FAILED_SERVICE_CONTROLLER_CONNECT
1064	An exception occurred in the service when handling the control request.	ERROR_EXCEPTION_IN_SERVICE
1065	The database specified does not exist.	ERROR_DATABASE_DOES_NOT_EXIST
1066	The service has returned a service-specific error code.	ERROR_SERVICE_SPECIFIC_ERROR
1067	The process terminated unexpectedly.	ERROR_PROCESS_ABORTED
1068	The dependency service or group failed to start.	ERROR_SERVICE_DEPENDENCY_FAIL

1069	The service did not start due to a logon failure.	ERROR_SERVICE_LOGON_FAILED
1070	After starting, the service hung in a start-pending state.	ERROR_SERVICE_START_HANG
1071	The specified service database lock is invalid.	ERROR_INVALID_SERVICE_LOCK
1072	The specified service has been marked for deletion.	ERROR_SERVICE_MARKED_FOR_DELETE
1073	The specified service already exists.	ERROR_SERVICE_EXISTS
1074	The system is currently running with the last-known-good configuration.	ERROR_ALREADY_RUNNING_LKG
1075	The dependency service does not exist or has been marked for deletion.	ERROR_SERVICE_DEPENDENCY_DELETED
1076	The current boot has already been accepted for use as the last-known-good control set.	ERROR_BOOT_ALREADY_ACCEPTED
1077	No attempts to start the service have been made since the last boot.	ERROR_SERVICE_NEVER_STARTED
1078	The name is already in use as either a service name or a service display name.	ERROR_DUPLICATE_SERVICE_NAME
1079	The account specified for this service is different from the account specified for other services running in the same process.	ERROR_DIFFERENT_SERVICE_ACCOUNT
1100	The physical end of the tape has been reached.	ERROR_END_OF_MEDIA
1101	A tape access reached a filemark.	ERROR_FILEMARK_DETECTED
1102	The beginning of the tape or partition was encountered.	ERROR_BEGINNING_OF_MEDIA
1103	A tape access reached the end of a set of files.	ERROR_SETMARK_DETECTED
1104	No more data is on the tape.	ERROR_NO_DATA_DETECTED
1105	Tape could not be partitioned.	ERROR_PARTITION_FAILURE
1106	When accessing a new tape of a multivolume partition, the current block size is incorrect.	ERROR_INVALID_BLOCK_LENGTH
1107	Tape partition information could not be found when loading a tape.	ERROR_DEVICE_NOT_PARTITIONED
1108	Unable to lock the media eject mechanism.	ERROR_UNABLE_TO_LOCK_MEDIA
1109	Unable to unload the media.	ERROR_UNABLE_TO_UNLOAD_MEDIA
1110	The media in the drive may have changed.	ERROR_MEDIA_CHANGED
1111	The I/O bus was reset.	ERROR_BUS_RESET
1112	No media in drive.	ERROR_NO_MEDIA_IN_DRIVE
1113	No mapping for the Unicode character exists in the target multi-byte code page.	ERROR_NO_UNICODE_TRANSLATION
1114	A dynamic link library (DLL) initialization routine failed.	ERROR_DLL_INIT_FAILED
1115	A system shutdown is in progress.	ERROR_SHUTDOWN_IN_PROGRESS
1116	Unable to abort the system shutdown because no shutdown was in progress.	ERROR_NO_SHUTDOWN_IN_PROGRESS
1117	The request could not be performed because of an I/O device error.	ERROR_IO_DEVICE
1118	No serial device was successfully initialized. The serial driver will unload.	ERROR_SERIAL_NO_DEVICE
1119	Unable to open a device that was sharing an interrupt request (IRQ) with other devices. At least one other device that uses that IRQ was already opened.	ERROR_IRQ_BUSY
1120	A serial I/O operation was completed by another write to the serial port. The IOCTL_SERIAL_XOFF_COUNTER reached zero.)	ERROR_MORE_WRITES
1121	A serial I/O operation completed because the time-out period expired. In	ERROR_COUNTER_TIMEOUT

	other words, the IOCTL_SERIAL_XOFF_COUNTER did not reach zero.	
1122	No identifier address mark was found on the floppy disk.	ERROR_FLOPPY_ID_MARK_NOT_FOUND
1123	Mismatch between the floppy disk sector identifier field and the floppy disk controller track address.	ERROR_FLOPPY_WRONG_CYLINDER
1124	The floppy disk controller reported an error that is not recognized by the floppy disk driver.	ERROR_FLOPPY_UNKNOWN_ERROR
1125	The floppy disk controller returned inconsistent results in its registrys.	ERROR_FLOPPY_BAD_REGISTRYS
1126	While accessing the hard disk, a recalibrate operation failed, even after retries.	ERROR_DISK_RECALIBRATE_FAILED
1127	While accessing the hard disk, a disk operation failed even after retries.	ERROR_DISK_OPERATION_FAILED
1128	While accessing the hard disk, a disk controller reset was needed, but even that failed.	ERROR_DISK_RESET_FAILED
1129	Physical end of tape encountered.	ERROR_EOM_OVERFLOW
1130	Not enough server storage is available to process this command.	ERROR_NOT_ENOUGH_SERVER_MEMORY
1131	A potential deadlock condition has been detected.	ERROR_POSSIBLE_DEADLOCK
1132	The base address or the file offset specified does not have the proper alignment.	ERROR_MAPPED_ALIGNMENT
1140	An attempt to change the system power state was vetoed by another application or driver.	ERROR_SET_POWER_STATE_VETOED
1141	The basic input/output system (BIOS) failed an attempt to change the system power state.	ERROR_SET_POWER_STATE_FAILED
1142	An attempt was made to create more links on a file than the file system supports.	ERROR_TOO_MANY_LINKS
1150	The specified program requires a newer version of Windows.	ERROR_OLD_WIN_VERSION
1151	The specified program is not a Windows or MS-DOS program.	ERROR_APP_WRONG_OS
1152	Cannot start more than one instance of the specified program.	ERROR_SINGLE_INSTANCE_APP
1153	The specified program was written for an earlier version of Windows.	ERROR_RMODE_APP
1154	One of the library files needed to run this application is damaged.	ERROR_INVALID_DLL
1155	No application is associated with the specified file for this operation.	ERROR_NO_ASSOCIATION
1156	An error occurred in sending the command to the application.	ERROR_DDE_FAIL
1157	One of the library files needed to run this application cannot be found.	ERROR_DLL_NOT_FOUND
1200	The specified device name is invalid.	ERROR_BAD_DEVICE
1201	The device is not currently connected but it is a remembered connection.	ERROR_CONNECTION_UNAVAIL
1202	An attempt was made to remember a device that had previously been remembered.	ERROR_DEVICE_ALREADY_REMEMBERED
1203	No network provider accepted the given network path.	ERROR_NO_NET_OR_BAD_PATH
1204	The specified network provider name is invalid.	ERROR_BAD_PROVIDER
1205	Unable to open the network connection profile.	ERROR_CANNOT_OPEN_PROFILE
1206	The network connection profile is corrupt.	ERROR_BAD_PROFILE
1207	Cannot enumerate a non-container.	ERROR_NOT_CONTAINER
1208	An extended error has occurred.	ERROR_EXTENDED_ERROR
1209	The format of the specified group name is invalid.	ERROR_INVALID_GROUPNAME

1210	The format of the specified computer name is invalid.	ERROR_INVALID_COMPUTERNAME
1211	The format of the specified event name is invalid.	ERROR_INVALID_EVENTNAME
1212	The format of the specified domain name is invalid.	ERROR_INVALID_DOMAINNAME
1213	The format of the specified service name is invalid.	ERROR_INVALID_SERVICENAME
1214	The format of the specified network name is invalid.	ERROR_INVALID_NETNAME
1215	The format of the specified share name is invalid.	ERROR_INVALID_SHARENAME
1216	The format of the specified password is invalid.	ERROR_INVALID_PASSWORDNAME
1217	The format of the specified message name is invalid.	ERROR_INVALID_MESSAGENAME
1218	The format of the specified message destination is invalid.	ERROR_INVALID_MESSAGEDEST
1219	The credentials supplied conflict with an existing set of credentials.	ERROR_SESSION_CREDENTIAL_CONFLICT
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_SESSION_LIMIT_EXCEEDED
1221	The workgroup or domain name is already in use by another computer on the network.	ERROR_DUP_DOMAINNAME
1222	The network is not present or not started.	ERROR_NO_NETWORK
1223	The operation was canceled by the user.	ERROR_CANCELLED
1224	The requested operation cannot be performed on a file with a user-mapped section open.	ERROR_USER_MAPPED_FILE
1225	The remote system refused the network connection.	ERROR_CONNECTION_REFUSED
1226	The network connection was gracefully closed.	ERROR_GRACEFUL_DISCONNECT
1227	The network transport endpoint already has an address associated with it.	ERROR_ADDRESS_ALREADY_ASSOCIATED
1228	An address has not yet been associated with the network endpoint.	ERROR_ADDRESS_NOT_ASSOCIATED
1229	An operation was attempted on a nonexistent network connection.	ERROR_CONNECTION_INVALID
1230	An invalid operation was attempted on an active network connection.	ERROR_CONNECTION_ACTIVE
1231	The remote network is not reachable by the transport.	ERROR_NETWORK_UNREACHABLE
1232	The remote system is not reachable by the transport.	ERROR_HOST_UNREACHABLE
1233	The remote system does not support the transport protocol.	ERROR_PROTOCOL_UNREACHABLE
1234	No service is operating at the destination network endpoint on the remote system.	ERROR_PORT_UNREACHABLE
1235	The request was aborted.	ERROR_REQUEST_ABORTED
1236	The network connection was aborted by the local system.	ERROR_CONNECTION_ABORTED
1237	The operation could not be completed. A retry should be performed.	ERROR_RETRY
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_COUNT_LIMIT
1239	Attempting to log in during an unauthorized time of day for this account.	ERROR_LOGIN_TIME_RESTRICTION
1240	The account is not authorized to log in from this station.	ERROR_LOGIN_WKSTA_RESTRICTION
1241	The network address could not be used for the operation requested.	ERROR_INCORRECT_ADDRESS
1242	The service is already entered in the registry.	ERROR_ALREADY_REGISTRYED
1243	The specified service does not exist.	ERROR_SERVICE_NOT_FOUND
1244	The operation being requested was not performed because the user has	ERROR_NOT_AUTHENTICATED

	not been authenticated.	
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_LOGGED_ON
1246	Caller to continue with work in progress.	ERROR_CONTINUE
1247	An attempt was made to perform an initialization operation when initialization has already been completed.	ERROR_ALREADY_INITIALIZED
1248	No more local devices.	ERROR_NO_MORE_DEVICES
1300	Not all privileges referenced are assigned to the caller.	ERROR_NOT_ALL_ASSIGNED
1301	Some mapping between account names and security IDs was not done.	ERROR_SOME_NOT_MAPPED
1302	No system quota limits are specifically set for this account.	ERROR_NO_QUOTAS_FOR_ACCOUNT
1303	No encryption key is available. A well-known encryption key was returned.	ERROR_LOCAL_USER_SESSION_KEY
1304	The password is too complex to be converted to a LAN Manager password. The LAN Manager password returned is a null string.	ERROR_NULL_LM_PASSWORD
1305	The revision level is unknown.	ERROR_UNKNOWN_REVISION
1306	Indicates two revision levels are incompatible.	ERROR_REVISION_MISMATCH
1307	This security identifier may not be assigned as the owner of this object.	ERROR_INVALID_OWNER
1308	This security identifier may not be assigned as the primary group of an object.	ERROR_INVALID_PRIMARY_GROUP
1309	An attempt has been made to operate on an impersonation token by a thread that is not currently impersonating a client.	ERROR_NO_IMPERSONATION_TOKEN
1310	The group cannot be disabled.	ERROR_CANT_DISABLE_MANDATORY
1311	There are currently no logon servers available to service the logon request.	ERROR_NO_LOGON_SERVERS
1312	A specified logon session does not exist. It may already have been terminated.	ERROR_NO_SUCH_LOGON_SESSION
1313	A specified privilege does not exist.	ERROR_NO_SUCH_PRIVILEGE
1314	A required privilege is not held by the client.	ERROR_PRIVILEGE_NOT_HELD
1315	The name provided is not a properly formed account name.	ERROR_INVALID_ACCOUNT_NAME
1316	The specified user already exists.	ERROR_USER_EXISTS
1317	The specified user does not exist.	ERROR_NO_SUCH_USER
1318	The specified group already exists.	ERROR_GROUP_EXISTS
1319	The specified group does not exist.	ERROR_NO_SUCH_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_IN_GROUP
1321	The specified user account is not a member of the specified group account.	ERROR_MEMBER_NOT_IN_GROUP
1322	The last remaining administration account cannot be disabled or deleted.	ERROR_LAST_ADMIN
1323	Unable to update the password. The value provided as the current password is incorrect.	ERROR_WRONG_PASSWORD
1324	Unable to update the password. The value provided for the new password contains values that are not allowed in passwords.	ERROR_ILL_FORMED_PASSWORD
1325	Unable to update the password because a password update rule has been violated.	ERROR_PASSWORD_RESTRICTION

1326	Logon failure—unknown user name or bad password.	ERROR_LOGON_FAILURE
1327	Logon failure—user account restriction.	ERROR_ACCOUNT_RESTRICTION
1328	Logon failure—account logon time restriction violation.	ERROR_INVALID_LOGON_HOURS
1329	Logon failure—user not allowed to log on to this computer.	ERROR_INVALID_WORKSTATION
1330	Logon failure—the specified account password has expired.	ERROR_PASSWORD_EXPIRED
1331	Logon failure—account currently disabled.	ERROR_ACCOUNT_DISABLED
1332	No mapping between account names and security IDs was done.	ERROR_NONE_MAPPED
1333	Too many LUIDs were requested at one time.	ERROR_TOO_MANY_LUIDS_REQUESTED
1334	No more LUIDs are available.	ERROR_LUIDS_EXHAUSTED
1335	The subauthority part of a security identifier is invalid for this particular use.	ERROR_INVALID_SUB_AUTHORITY
1336	The access control list (ACL) structure is invalid.	ERROR_INVALID_ACL
1337	The security identifier structure is invalid.	ERROR_INVALID_SID
1338	The security descriptor structure is invalid.	ERROR_INVALID_SECURITY_DESCR
1340	The inherited access control list (ACL) or access control entry (ACE) could not be built.	ERROR_BAD_INHERITANCE_ACL
1341	The server is currently disabled.	ERROR_SERVER_DISABLED
1342	The server is currently enabled.	ERROR_SERVER_NOT_DISABLED
1343	The value provided was an invalid value for an identifier authority.	ERROR_INVALID_ID_AUTHORITY
1344	No more memory is available for security information updates.	ERROR_ALLOTTED_SPACE_EXCEEDED
1345	The specified attributes are invalid, or incompatible with the attributes for the group as a whole.	ERROR_INVALID_GROUP_ATTRIBUTES
1346	Either a required impersonation level was not provided, or the provided impersonation level is invalid.	ERROR_BAD_IMPERSONATION_LEVEL
1347	Cannot open an anonymous level security token.	ERROR_CANT_OPEN_ANONYMOUS
1348	The validation information class requested was invalid.	ERROR_BAD_VALIDATION_CLASS
1349	The type of the token is inappropriate for its attempted use.	ERROR_BAD_TOKEN_TYPE
1350	Unable to perform a security operation on an object that has no associated security.	ERROR_NO_SECURITY_ON_OBJECT
1351	Indicates that a Windows NT Server could not be contacted or that objects within the domain are protected such that necessary information could not be retrieved.	ERROR_CANT_ACCESS_DOMAIN_INFO
1352	The security account manager (SAM) or local security authority (LSA) server was in the wrong state to perform the security operation.	ERROR_INVALID_SERVER_STATE
1353	The domain was in the wrong state to perform the security operation.	ERROR_INVALID_DOMAIN_STATE
1354	This operation is only allowed for the Primary Domain Controller (PDC) of the domain.	ERROR_INVALID_DOMAIN_ROLE
1355	The specified domain did not exist.	ERROR_NO_SUCH_DOMAIN
1356	The specified domain already exists.	ERROR_DOMAIN_EXISTS
1357	An attempt was made to exceed the limit on the number of domains per server.	ERROR_DOMAIN_LIMIT_EXCEEDED
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_CORRUPTION

1359	The security account database contains an internal inconsistency.	ERROR_INTERNAL_ERROR
1360	Generic access types were contained in an access mask that should already be mapped to nongeneric types.	ERROR_GENERIC_NOT_MAPPED
1361	A security descriptor is not in the right format (absolute or self-relative).	ERROR_BAD_DESCRIPTOR_FORMAT
1362	The requested action is restricted for use by logon processes only. The calling process has not been entered in the registry as a logon process.	ERROR_NOT_LOGON_PROCESS
1363	Cannot start a new logon session with an identifier that is already in use.	ERROR_LOGON_SESSION_EXISTS
1364	A specified authentication package is unknown.	ERROR_NO_SUCH_PACKAGE
1365	The logon session is not in a state that is consistent with the requested operation.	ERROR_BAD_LOGON_SESSION_STATE
1366	The logon session identifier is already in use.	ERROR_LOGON_SESSION_COLLISION
1367	A logon request contained an invalid logon type value.	ERROR_INVALID_LOGON_TYPE
1368	Unable to impersonate using a named pipe until data has been read from that pipe.	ERROR_CANNOT_IMPERSONATE
1369	The transaction state of a registry subtree is incompatible with the requested operation.	ERROR_RXACT_INVALID_STATE
1370	An internal security database corruption has been encountered.	ERROR_RXACT_COMMIT_FAILURE
1371	Cannot perform this operation on built-in accounts.	ERROR_SPECIAL_ACCOUNT
1372	Cannot perform this operation on this built-in special group.	ERROR_SPECIAL_GROUP
1373	Cannot perform this operation on this built-in special user.	ERROR_SPECIAL_USER
1374	The user cannot be removed from a group because the group is currently the user's primary group.	ERROR_MEMBERS_PRIMARY_GROUP
1375	The token is already in use as a primary token.	ERROR_TOKEN_ALREADY_IN_USE
1376	The specified local group does not exist.	ERROR_NO_SUCH_ALIAS
1377	The specified account name is not a member of the local group.	ERROR_MEMBER_NOT_IN_ALIAS
1378	The specified account name is already a member of the local group.	ERROR_MEMBER_IN_ALIAS
1379	The specified local group already exists.	ERROR_ALIAS_EXISTS
1380	Logon failure—the user has not been granted the requested logon type at this computer.	ERROR_LOGON_NOT_GRANTED
1381	The maximum number of secrets that may be stored in a single system has been exceeded.	ERROR_TOO_MANY_SECRETS
1382	The length of a secret exceeds the maximum length allowed.	ERROR_SECRET_TOO_LONG
1383	The local security authority database contains an internal inconsistency.	ERROR_INTERNAL_DB_ERROR
1384	During a logon attempt, the user's security context accumulated too many security IDs.	ERROR_TOO_MANY_CONTEXT_IDS
1385	Logon failure—the user has not been granted the requested logon type at this computer.	ERROR_LOGON_TYPE_NOT_GRANTED
1386	A cross-encrypted password is necessary to change a user password.	ERROR_NT_CROSS_ENCRYPTION_REQUIRED
1387	A new member could not be added to a local group because the member does not exist.	ERROR_NO_SUCH_MEMBER
1388	A new member could not be added to a local group because the member has the wrong account type.	ERROR_INVALID_MEMBER
1389	Too many security IDs have been specified.	ERROR_TOO_MANY_SIDS

1390	A cross-encrypted password is necessary to change this user password.	ERROR_LM_CROSS_ENCRYPTION_REQUIRED
1391	Indicates an ACL contains no inheritable components.	ERROR_NO_INHERITANCE
1392	The file or directory is corrupted and non-readable.	ERROR_FILE_CORRUPT
1393	The disk structure is corrupted and non-readable.	ERROR_DISK_CORRUPT
1394	There is no user session key for the specified logon session.	ERROR_NO_USER_SESSION_KEY
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 there are already as many connections as the service can accept.	ERROR_LICENSE_QUOTA_EXCEEDED
1400	Invalid window handle.	ERROR_INVALID_WINDOW_HANDLE
1401	Invalid menu handle.	ERROR_INVALID_MENU_HANDLE
1402	Invalid cursor handle.	ERROR_INVALID_CURSOR_HANDLE
1403	Invalid accelerator table handle.	ERROR_INVALID_ACCEL_HANDLE
1404	Invalid hook handle.	ERROR_INVALID_HOOK_HANDLE
1405	Invalid handle to a multiple-window position structure.	ERROR_INVALID_DWP_HANDLE
1406	Cannot create a top-level child window.	ERROR_TLW_WITH_WSCHILD
1407	Cannot find window class.	ERROR_CANNOT_FIND_WND_CLASS
1408	Invalid window, it belongs to another thread.	ERROR_WINDOW_OF_OTHER_THREAD
1409	Hot key is already registryed.	ERROR_HOTKEY_ALREADY_REGISTRYED
1410	Class already exists.	ERROR_CLASS_ALREADY_EXISTS
1411	Class does not exist.	ERROR_CLASS_DOES_NOT_EXIST
1412	Class still has open windows.	ERROR_CLASS_HAS_WINDOWS
1413	Invalid index.	ERROR_INVALID_INDEX
1414	Invalid icon handle.	ERROR_INVALID_ICON_HANDLE
1415	Using private DIALOG window words.	ERROR_PRIVATE_DIALOG_INDEX
1416	The list box identifier was not found.	ERROR_LISTBOX_ID_NOT_FOUND
1417	No wildcards were found.	ERROR_NO_WILDCARD_CHARACTERS
1418	Thread does not have a clipboard open.	ERROR_CLIPBOARD_NOT_OPEN
1419	Hot key is not registryed.	ERROR_HOTKEY_NOT_REGISTRYED
1420	The window is not a valid dialog window.	ERROR_WINDOW_NOT_DIALOG
1421	Control identifier not found.	ERROR_CONTROL_ID_NOT_FOUND
1422	Invalid message for a combo box because it does not have an edit control.	ERROR_INVALID_COMBOBOX_MESSAGE
1423	The window is not a combo box.	ERROR_WINDOW_NOT_COMBOBOX
1424	Height must be less than 256.	ERROR_INVALID_EDIT_HEIGHT
1425	Invalid device context (DC) handle.	ERROR_DC_NOT_FOUND
1426	Invalid hook procedure type.	ERROR_INVALID_HOOK_FILTER
1427	Invalid hook procedure.	ERROR_INVALID_FILTER_PROC
1428	Cannot set nonlocal hook without a module handle.	ERROR_HOOK_NEEDS_HMOD
1429	This hook procedure can only be set globally.	ERROR_GLOBAL_ONLY_HOOK

1430	The journal hook procedure is already installed.	ERROR_JOURNAL_HOOK_SET
1431	The hook procedure is not installed.	ERROR_HOOK_NOT_INSTALLED
1432	Invalid message for single-selection list box.	ERROR_INVALID_LB_MESSAGE
1434	This list box does not support tab stops.	ERROR_LB_WITHOUT_TABSTOPS
1435	Cannot destroy object created by another thread.	ERROR_DESTROY_OBJECT_OF_OTHER_THREAD
1436	Child windows cannot have menus.	ERROR_CHILD_WINDOW_MENU
1437	The window does not have a system menu.	ERROR_NO_SYSTEM_MENU
1438	Invalid message box style.	ERROR_INVALID_MSGBOX_STYLE
1439	Invalid system-wide (SPI_*) parameter.	ERROR_INVALID_SPI_VALUE
1440	Screen already locked.	ERROR_SCREEN_ALREADY_LOCKED
1441	All handles to windows in a multiple-window position structure must have the same parent.	ERROR_HWNDS_HAVE_DIFF_PARENT
1442	The window is not a child window.	ERROR_NOT_CHILD_WINDOW
1443	Invalid GW_* command.	ERROR_INVALID_GW_COMMAND
1444	Invalid thread identifier.	ERROR_INVALID_THREAD_ID
1445	Cannot process a message from a window that is not a multiple-document interface (MDI) window.	ERROR_NON_MDICHILD_WINDOW
1446	Pop-up menu already active.	ERROR_POPUP_ALREADY_ACTIVE
1447	The window does not have scroll bars.	ERROR_NO_SCROLLBARS
1448	Scroll bar range cannot be greater than 0x7FFF.	ERROR_INVALID_SCROLLBAR_RANGE
1449	Cannot show or remove the window in the way specified.	ERROR_INVALID_SHOWWIN_COMMAND
1450	Insufficient system resources exist to complete the requested service.	ERROR_NO_SYSTEM_RESOURCES
1451	Insufficient system resources exist to complete the requested service.	ERROR_NONPAGED_SYSTEM_RESOURCES
1452	Insufficient system resources exist to complete the requested service.	ERROR_PAGED_SYSTEM_RESOURCES
1453	Insufficient quota to complete the requested service.	ERROR_WORKING_SET_QUOTA
1454	Insufficient quota to complete the requested service.	ERROR_PAGEFILE_QUOTA
1455	The paging file is too small for this operation to complete.	ERROR_COMMITMENT_LIMIT
1456	A menu item was not found.	ERROR_MENU_ITEM_NOT_FOUND
1457	Invalid keyboard layout handle.	ERROR_INVALID_KEYBOARD_HANDLE
1458	Hook type not allowed.	ERROR_HOOK_TYPE_NOT_ALLOWED
1459	This operation requires an interactive window station.	ERROR_REQUIRES_INTERACTIVE_WINDOWSTATION
1460	This operation returned because the time-out period expired.	ERROR_TIMEOUT
1500	The event tracking file is corrupted.	ERROR_EVENTLOG_FILE_CORRUPT
1501	No event tracking file could be opened, so the event tracking service did not start.	ERROR_EVENTLOG_CANT_START
1502	The event tracking file is full.	ERROR_LOG_FILE_FULL
1503	The event tracking file has changed between read operations.	ERROR_EVENTLOG_FILE_CHANGED
1700	The string binding is invalid.	RPC_S_INVALID_STRING_BINDING
1701	The binding handle is not the correct type.	RPC_S_WRONG_KIND_OF_BINDING

1702	The binding handle is invalid.	RPC_S_INVALID_BINDING
1703	The RPC protocol sequence is not supported.	RPC_S_PROTSEQ_NOT_SUPPORTED
1704	The RPC protocol sequence is invalid.	RPC_S_INVALID_RPC_PROTSEQ
1705	The string universal unique identifier (UUID) is invalid.	RPC_S_INVALID_STRING_UUID
1706	The endpoint format is invalid.	RPC_S_INVALID_ENDPOINT_FORMAT
1707	The network address is invalid.	RPC_S_INVALID_NET_ADDR
1708	No endpoint was found.	RPC_S_NO_ENDPOINT_FOUND
1709	The time-out value is invalid.	RPC_S_INVALID_TIMEOUT
1710	The object universal unique identifier (UUID) was not found.	RPC_S_OBJECT_NOT_FOUND
1711	The object universally unique identifier (UUID) has already been entered in the registry.	RPC_S_ALREADY_REGISTRYED
1712	The type UUID has already been entered in the registry.	RPC_S_TYPE_ALREADY_REGISTRYED
1713	The remote procedure call (RPC) server is already listening.	RPC_S_ALREADY_LISTENING
1714	No protocol sequences have been entered in the registry.	RPC_S_NO_PROTSEQS_REGISTRYED
1715	The RPC server is not listening.	RPC_S_NOT_LISTENING
1716	The manager type is unknown.	RPC_S_UNKNOWN_MGR_TYPE
1717	The interface is unknown.	RPC_S_UNKNOWN_IF
1718	There are no bindings.	RPC_S_NO_BINDINGS
1719	There are no protocol sequences.	RPC_S_NO_PROTSEQS
1720	The endpoint cannot be created.	RPC_S_CANT_CREATE_ENDPOINT
1721	Not enough resources are available to complete this operation.	RPC_S_OUT_OF_RESOURCES
1722	The RPC server is unavailable.	RPC_S_SERVER_UNAVAILABLE
1723	The RPC server is too busy to complete this operation.	RPC_S_SERVER_TOO_BUSY
1724	The network options are invalid.	RPC_S_INVALID_NETWORK_OPTIONS
1725	There is not a remote procedure call active in this thread.	RPC_S_NO_CALL_ACTIVE
1726	The remote procedure call failed.	RPC_S_CALL_FAILED
1727	The remote procedure call failed and did not execute.	RPC_S_CALL_FAILED_DNE
1728	A remote procedure call (RPC) protocol error occurred.	RPC_S_PROTOCOL_ERROR
1730	The transfer syntax is not supported by the RPC server.	RPC_S_UNSUPPORTED_TRANS_SYN
1732	The universal unique identifier (UUID) type is not supported.	RPC_S_UNSUPPORTED_TYPE
1733	The tag is invalid.	RPC_S_INVALID_TAG
1734	The array bounds are invalid.	RPC_S_INVALID_BOUND
1735	The binding does not contain an entry name.	RPC_S_NO_ENTRY_NAME
1736	The name syntax is invalid.	RPC_S_INVALID_NAME_SYNTAX
1737	The name syntax is not supported.	RPC_S_UNSUPPORTED_NAME_SYNTAX
1739	No network address is available to use to construct a universal unique identifier (UUID).	RPC_S_UUID_NO_ADDRESS
1740	The endpoint is a duplicate.	RPC_S_DUPLICATE_ENDPOINT

1741	The authentication type is unknown.	RPC_S_UNKNOWN_AUTHN_TYPE
1742	The maximum number of calls is too small.	RPC_S_MAX_CALLS_TOO_SMALL
1743	The string is too long.	RPC_S_STRING_TOO_LONG
1744	The RPC protocol sequence was not found.	RPC_S_PROTSEQ_NOT_FOUND
1745	The procedure number is out of range.	RPC_S_PROCNUM_OUT_OF_RANGE
1746	The binding does not contain any authentication information.	RPC_S_BINDING_HAS_NO_AUTH
1747	The authentication service is unknown.	RPC_S_UNKNOWN_AUTHN_SERVICE
1748	The authentication level is unknown.	RPC_S_UNKNOWN_AUTHN_LEVEL
1749	The security context is invalid.	RPC_S_INVALID_AUTH_IDENTITY
1750	The authorization service is unknown.	RPC_S_UNKNOWN_AUTHZ_SERVICE
1751	The entry is invalid.	EPT_S_INVALID_ENTRY
1752	The server endpoint cannot perform the operation.	EPT_S_CANT_PERFORM_OP
1753	There are no more endpoints available from the endpoint mapper.	EPT_S_NOT_REGISTRYED
1754	No interfaces have been exported.	RPC_S_NOTHING_TO_EXPORT
1755	The entry name is incomplete.	RPC_S_INCOMPLETE_NAME
1756	The version option is invalid.	RPC_S_INVALID_VERS_OPTION
1757	There are no more members.	RPC_S_NO_MORE_MEMBERS
1758	There is nothing to un-export.	RPC_S_NOT_ALL_OBJS_UNEXPORTED
1759	The interface was not found.	RPC_S_INTERFACE_NOT_FOUND
1760	The entry already exists.	RPC_S_ENTRY_ALREADY_EXISTS
1761	The entry is not found.	RPC_S_ENTRY_NOT_FOUND
1762	The name service is unavailable.	RPC_S_NAME_SERVICE_UNAVAILABLE
1763	The network address family is invalid.	RPC_S_INVALID_NAF_ID
1764	The requested operation is not supported.	RPC_S_CANNOT_SUPPORT
1765	No security context is available to allow impersonation.	RPC_S_NO_CONTEXT_AVAILABLE
1766	An internal error occurred in a remote procedure call (RPC).	RPC_S_INTERNAL_ERROR
1767	The RPC server attempted an integer division by zero.	RPC_S_ZERO_DIVIDE
1768	An addressing error occurred in the RPC server.	RPC_S_ADDRESS_ERROR
1769	A floating-point operation at the RPC server caused a division by zero.	RPC_S_FP_DIV_ZERO
1770	A floating-point underflow occurred at the RPC server.	RPC_S_FP_UNDERFLOW
1771	A floating-point overflow occurred at the RPC server.	RPC_S_FP_OVERFLOW
1772	The list of RPC servers available for the binding of auto handles has been exhausted.	RPC_X_NO_MORE_ENTRIES
1773	Unable to open the character translation table file.	RPC_X_SS_CHAR_TRANS_OPEN_FAIL
1774	The file containing the character translation table has fewer than 512 bytes.	RPC_X_SS_CHAR_TRANS_SHORT_FILE
1775	A null context handle was passed from the client to the host during a remote procedure call.	RPC_X_SS_IN_NULL_CONTEXT
1777	The context handle changed during a remote procedure call.	RPC_X_SS_CONTEXT_DAMAGED

1778	The binding handles passed to a remote procedure call do not match.	RPC_X_SS_HANDLES_MISMATCH
1779	The stub is unable to get the remote procedure call handle.	RPC_X_SS_CANNOT_GET_CALL_HANDLE
1780	A null reference pointer was passed to the stub.	RPC_X_NULL_REF_POINTER
1781	The enumeration value is out of range.	RPC_X_ENUM_VALUE_OUT_OF_RANGE
1782	The byte count is too small.	RPC_X_BYTE_COUNT_TOO_SMALL
1783	The stub received bad data.	RPC_X_BAD_STUB_DATA
1784	The supplied user buffer is not valid for the requested operation.	ERROR_INVALID_USER_BUFFER
1785	The disk media is not recognized. It may not be formatted.	ERROR_UNRECOGNIZED_MEDIA
1786	The workstation does not have a trust secret.	ERROR_NO_TRUST_LSA_SECRET
1787	The SAM database on the Windows NT Server does not have a computer account for this workstation trust relationship.	ERROR_NO_TRUST_SAM_ACCOUNT
1788	The trust relationship between the primary domain and the trusted domain failed.	ERROR_TRUSTED_DOMAIN_FAILURE
1789	The trust relationship between this workstation and the primary domain failed.	ERROR_TRUSTED_RELATIONSHIP_FAILURE
1790	The network logon failed.	ERROR_TRUST_FAILURE
1791	A remote procedure call is already in progress for this thread.	RPC_S_CALL_IN_PROGRESS
1792	An attempt was made to logon, but the network logon service was not started.	ERROR_NETLOGON_NOT_STARTED
1793	The user's account has expired.	ERROR_ACCOUNT_EXPIRED
1794	The redirector is in use and cannot be unloaded.	ERROR_REDIRECTOR_HAS_OPEN_HANDLES
1795	The specified printer driver is already installed.	ERROR_PRINTER_DRIVER_ALREADY_INSTALLED
1796	The specified port is unknown.	ERROR_UNKNOWN_PORT
1797	The printer driver is unknown.	ERROR_UNKNOWN_PRINTER_DRIVER
1798	The print processor is unknown.	ERROR_UNKNOWN_PRINTPROCESSOR
1799	The specified separator file is invalid.	ERROR_INVALID_SEPARATOR_FILE
1800	The specified priority is invalid.	ERROR_INVALID_PRIORITY
1801	The printer name is invalid.	ERROR_INVALID_PRINTER_NAME
1802	The printer already exists.	ERROR_PRINTER_ALREADY_EXISTS
1803	The printer command is invalid.	ERROR_INVALID_PRINTER_COMMAND
1804	The specified data type is invalid.	ERROR_INVALID_DATATYPE
1805	The environment specified is invalid.	ERROR_INVALID_ENVIRONMENT
1806	There are no more bindings.	RPC_S_NO_MORE_BINDINGS
1807	The account used is an interdomain trust account. Use your global user account or local user account to access this server.	ERROR_NOLOGON_INTERDOMAIN_TRUST_ACCOUNT
1808	The account used is a computer account. Use your global user account or local user account to access this server.	ERROR_NOLOGON_WORKSTATION_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_SERVER_TRUST_ACCOUNT
1810	The name or security identifier (SID) of the domain specified is inconsistent with the trust information for that domain.	ERROR_DOMAIN_TRUST_INCONSISTENT

1811	The server is in use and cannot be unloaded.	ERROR_SERVER_HAS_OPEN_HANDLES
1812	The specified image file did not contain a resource section.	ERROR_RESOURCE_DATA_NOT_FOUND
1813	The specified resource type cannot be found in the image file.	ERROR_RESOURCE_TYPE_NOT_FOUND
1814	The specified resource name cannot be found in the image file.	ERROR_RESOURCE_NAME_NOT_FOUND
1815	The specified resource language identifier cannot be found in the image file.	ERROR_RESOURCE_LANG_NOT_FOUND
1816	Not enough quota is available to process this command.	ERROR_NOT_ENOUGH_QUOTA
1817	No interfaces have been entered in the registry.	RPC_S_NO_INTERFACES
1818	The server was altered while processing this call.	RPC_S_CALL_CANCELLED
1819	The binding handle does not contain all required information.	RPC_S_BINDING_INCOMPLETE
1820	Communications failure.	RPC_S_COMM_FAILURE
1821	The requested authentication level is not supported.	RPC_S_UNSUPPORTED_AUTHN_LEVEL
1822	No principal name entered in the registry.	RPC_S_NO_PRINC_NAME
1823	The error specified is not a valid Windows NT RPC error value.	RPC_S_NOT_RPC_ERROR
1824	A UUID that is valid only on this computer has been allocated.	RPC_S_UUID_LOCAL_ONLY
1825	A security package specific error occurred.	RPC_S_SEC_PKG_ERROR
1826	Thread is not canceled.	RPC_S_NOT_CANCELLED
1827	Invalid operation on the encoding/decoding handle.	RPC_X_INVALID_ES_ACTION
1828	Incompatible version of the serializing package.	RPC_X_WRONG_ES_VERSION
1829	Incompatible version of the RPC stub.	RPC_X_WRONG_STUB_VERSION
1830	The idl pipe object is invalid or corrupted.	RPC_X_INVALID_PIPE_OBJECT
1831	The operation is invalid for a given idl pipe object.	RPC_X_INVALID_PIPE_OPERATION
1832	The Interface Definition Language (IDL) pipe version is not supported.	RPC_X_WRONG_PIPE_VERSION
1898	The group member was not found.	RPC_S_GROUP_MEMBER_NOT_FOUND
1899	The endpoint mapper database could not be created.	EPT_S_CANT_CREATE
1900	The object UUID is the nil UUID.	RPC_S_INVALID_OBJECT
1901	The specified time is invalid.	ERROR_INVALID_TIME
1902	The specified form name is invalid.	ERROR_INVALID_FORM_NAME
1903	The specified form size is invalid.	ERROR_INVALID_FORM_SIZE
1904	The specified printer handle is already being waited on	ERROR_ALREADY_WAITING
1905	The specified printer has been deleted.	ERROR_PRINTER_DELETED
1906	The state of the printer is invalid.	ERROR_INVALID_PRINTER_STATE
1907	The user must change his password before he logs on the first time.	ERROR_PASSWORD_MUST_CHANGE
1908	Could not find the domain controller for this domain.	ERROR_DOMAIN_CONTROLLER_NOT_FOUND
1909	The referenced account is currently locked out and may not be logged on to.	ERROR_ACCOUNT_LOCKED_OUT
1910	The object exporter specified was not found.	OR_INVALID_OXID
1911	The object specified was not found.	OR_INVALID_OID

1912	The object resolver set specified was not found.	OR_INVALID_SET
1913	Some data remains to be sent in the request buffer.	RPC_S_SEND_INCOMPLETE
2000	The pixel format is invalid.	ERROR_INVALID_PIXEL_FORMAT
2001	The specified driver is invalid.	ERROR_BAD_DRIVER
2002	The window style or class attribute is invalid for this operation.	ERROR_INVALID_WINDOW_STYLE
2003	The requested metafile operation is not supported.	ERROR_METAFILE_NOT_SUPPORTED
2004	The requested transformation operation is not supported.	ERROR_TRANSFORM_NOT_SUPPORTED
2005	The requested clipping operation is not supported.	ERROR_CLIPPING_NOT_SUPPORTED
2202	The specified user name is invalid.	ERROR_BAD_USERNAME
2250	This network connection does not exist.	ERROR_NOT_CONNECTED
2401	This network connection has files open or requests pending.	ERROR_OPEN_FILES
2402	Active connections still exist.	ERROR_ACTIVE_CONNECTIONS
2404	The device is in use by an active process and cannot be disconnected.	ERROR_DEVICE_IN_USE
3000	The specified print monitor is unknown.	ERROR_UNKNOWN_PRINT_MONITOR
3001	The specified printer driver is currently in use.	ERROR_PRINTER_DRIVER_IN_USE
3002	The spool file was not found.	ERROR_SPOOL_FILE_NOT_FOUND
3003	A **StartDocPrinter** call was not issued.	ERROR_SPL_NO_STARTDOC
3004	An **AddJob** call was not issued.	ERROR_SPL_NO_ADDJOB
3005	The specified print processor has already been installed.	ERROR_PRINT_PROCESSOR_ALREADY_INSTALLED
3006	The specified print monitor has already been installed.	ERROR_PRINT_MONITOR_ALREADY_INSTALLED
3007	The specified print monitor does not have the required functions.	ERROR_INVALID_PRINT_MONITOR
3008	The specified print monitor is currently in use.	ERROR_PRINT_MONITOR_IN_USE
3009	The requested operation is not allowed when there are jobs queued to the printer.	ERROR_PRINTER_HAS_JOBS_QUEUED
3010	The requested operation is successful. Changes will not be effective until the system is rebooted.	ERROR_SUCCESS_REBOOT_REQUIRED
3011	The requested operation is successful. Changes will not be effective until the service is restarted.	ERROR_SUCCESS_RESTART_REQUIRED
4000	WINS encountered an error while processing the command.	ERROR_WINS_INTERNAL
4001	The local WINS can not be deleted.	ERROR_CAN_NOT_DEL_LOCAL_WINS
4002	The importation from the file failed.	ERROR_STATIC_INIT
4003	The backup failed. Was a full backup done before?	ERROR_INC_BACKUP
4004	The backup failed. Check the directory to which you are backing the database.	ERROR_FULL_BACKUP
4005	The name does not exist in the WINS database.	ERROR_REC_NON_EXISTENT
4006	Replication with a nonconfigured partner is not allowed.	ERROR_RPL_NOT_ALLOWED
6118	The list of servers for this workgroup is not currently available.	ERROR_NO_BROWSER_SERVERS_FOUND

Last updated on Monday, September 30, 2002

Appendix contacts

Company	Address	Telephone	E-Mail
	Country, Post Code, **Town**	Telefax	Web
Headquarters			
Hilscher GmbH	Rheinstrasse 15	+49 (0) 6190 9907 0	info@hilscher.com
	D-65795 **Hattersheim**	+49 (0) 6190 9907 50	www.hilscher.com
Subsidiaries			
Hilscher China	Shanghai Representative Office	+86 (0) 21 6355 5161	info@hilscher.cn
	Huaihai Zhonghua Boss Bldg 2208	+86 (0) 21 6355 5162	www.hilscher.com
	Ren Min Road No. 885		
	CN-200010 **Shanghai**		
Hilscher France S.a.r.l	12, rue du 35 ième Régiment d'Aviation	+33 (0) 472 37 9840	info@hilscher.fr
	Miniparc du Chéne	+33 (0) 478 26 8327	www.hilscher.com
	F-69500 **Bron**		
Hilscher Italia s.r.l	Via Grandi, 25	+39 / 02 25007 068	info@hilscher.it
	I-20090 **Vimodrone (MI)**	+39 / 02 25029 973	www.hilscher.com
Hilscher Japan K.K.	YKB Shinjuku-Gyoen Bldg. 3F	+81 (0) 35362 0521	info@hilscher.jp
	1-3-8 Shinjuku, Shinjuku-ku	+81 (0) 35362 0522	www.hilscher.com
	J-**Tokio**, 160-0022		
Hilscher Swiss GmbH	Hubelmattstrasse 29	+41 (0)32 623 6633	info@hilscher.ch
	CH-4500 **Solothurn**	+41 (0)32 623 6632	www.hilscher.com
Hilscher North America	Suite 100	+1 630 505 5301	info@hilscher.us
	2443 Warrenville Road	+1 630 505 7532	www.hilscher.com
	USA-**Lisle**, IL 60352		
Distributors	see www.hilscher.com		