

New Features and Important Information

New Features: Guides

This edition of the NetWare® SDK contains the changes and features listed in Changes for Release 13. Changes for the previous three editions of this SDK are provided for your information (there were no changes for Release 10). See SDK Roadmap for help in finding information in this large SDK.

What This SDK Covers

Changes for Release 14

Changes for Release 13

Changes for Release 12

Changes for Release 11

New Features: Topics

What This SDK Covers

This SDK contains the software (including APIs, example programs, and tools) and documentation needed to program clients (including NLM™ applications) to use NetWare® services.

The NetWare SDK covers the following platforms:

DOS

NLM

OS/2*

Windows* and Windows 95* (which uses the OS/2 name space)

Windows NT*

What Services Appear in the NetWare Futures SDK

For a service to appear in the NetWare SDK, it must be both released as a product and supported. Services that do not yet meet this criteria, but should have documentation, are published in the NetWare Futures SDK. That is, if software is in beta testing, it appears in the NetWare Futures SDK.

Obsolescence Process for Functions

See Obsolete Function Process.

Parent Topic:

New Features: Guides

Changes for Release 14

These changes have been made to the documentation for Release 14 of the CD-ROM (Edition 2.9).

Moab Early Release

Information about the Moab Early Release can be found in the NetWare Futures SDK. Information about the following services is provided:

Memory Protection
NPL (Novell Portability Layer)
WinSock 2

Reorganization of Miscellaneous Service

The functions that made up Miscellaneous Services have been moved to services that reflect their purpose.

NWGetTaskInformationByConn and **NWRequest** have been moved to Connection.

NWParseConfig and **NWSetNetWareErrorMode** have been moved to File System.

NWIsLNSSupportedOnVolume has been moved to Name Space.

The following functions have been moved to Path and Drive:

ConvertNameToFullPath
ConvertNameToVolumePath
SetWildcardTranslationMode
StripFileServerFromPath

localeconv and **setlocale** have been moved to Internationalization.

The following functions have been moved to Client Management (a new service in the Management service group):

NWEndOfJob
NWGetClientType
NWGetRequesterVersion
NWSetEndOfJobStatus

The following functions have been moved to Data Manipulation (a new service in the Management service group):

bsearch
IntSwap
LongSwap
_lrotl
_lrotr
NWLongSwap
NWWordSwap
offsetof
qsort
_rotl

_rotl

_rotr

The following functions have been moved to NWCalls Management (a new service in the Management service group):

NWCallsInit

NWCallsTerm

NWGetNWCallsVersion

NWPackDateTime and **NWUnpackDateTime** have been moved to Time/Date Manipulation (a new service in the Management service group, formerly known as "Time Conversion and Manipulation" in the NLM Programming service group).

rand, **rand_r** and **srand** have been moved to Mathematical Computation.

assert and **perror** have been moved to NLM Debug.

New Services

The following new services have been added to the Management service group:

Client Management

Data Manipulation

NWCalls Management

These services contain functions formerly found in the Miscellaneous service group.

The Moab Early Release (documented in the NetWare Futures SDK) provides the following new services:

Memory Protection

NPL (Novell Portability Layer)

Moved Services

Bindery, formerly in "Bindery," is now in NDS.

Distributed Print has been moved from the NetWare Futures SDK to Print in this SDK.

"Time Conversion and Manipulation," formerly in NLM Programming, is now Time/Date Manipulation in Management.

The new Unicode converter functions have been moved from the NetWare Futures SDK into Internationalization. See Unicode Converter API: Guides

The white papers that made up *Solution Papers* can now be found in Communication in Communication White Papers.

Deleted Services

Catalog has been removed from the NetWare Futures SDK.

New Functions in Existing Services

The following functions have been added to Connection:

NWGetDefaultConnRef

NWGetNearestDSConnRef

The following functions have been added to Unicode:

unicmp

unincmp

Moved Functions

SetConnectionCriticalErrorHandler has been moved into Connection from the NetWare Limited Support SDK.

All functions have been moved from Miscellaneous to other services. See Reorganization of Miscellaneous Service for complete information.

New Structures in Existing Services

The following structures in Media Manager have been documented:

MM_MirrorInfoStruct

MM_PartitionInfoStruct

New Features in Existing Services

Documentation for the Information Model Architecture used by Distributed Print has been added (in Envoy format as of this release).

See Also

What This SDK Covers

Changes for Release 13

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Changes for Release 13

These changes have been made to the documentation for Release 13 of the CD-ROM (Edition 2.8).

Running Newly-Compiled NLM Applications with Older Versions of CLIB: Important Information

See CLIBAUX.NLM for information about how to deal with header changes that can cause newly-compiled NLM applications to fail to load with older versions of CLIB.

SDK Reorganization

The reorganization of the NetWare® SDK into a more Help-like, hypertext format continues. NLM and transport information has been restructured. Transport information has also been moved into Communication.

For help in finding things in this new organization, see the SDK Roadmap.

SDK Name Change

The NetWare Legacy SDK is now the NetWare Limited Support SDK. Limited support implies no engineering or documentation support. However, Developer Support will continue to accept phone calls and answer questions you might have while using Limited Support information to develop applications.

New Features in Existing Services

SQL features and functionality have been added to Catalog (still in the NetWare Futures SDK). See "SQL Overview." **Note: This service was removed as of Release 14.**

Service Name Changes

NetWare Licensing is now Novell Licensing

New Functions in Existing Services

The following functions have been added to Connection:

NWCCGetSecurityFlags
NWCCRenegotiateSecurityLevel
NWCCSetSecurityFlags

The following functions have been added to File:

NWGetFileDirEntryNumber

NWGetDirectoryEntryNumber

NWGetNSFileDirEntryNumber has been added to Name Space.

The following functions have been added to NDS:

NWDSGetDSIInfo

NWDSGetObjectNameAndInfo

NWDSGetPartitionExtInfo

NWDSGetPartitionExtInfoPtr

NWDSListPartitionsExtInfo

NWDSReadObjectDSIInfo

For additional information see DSI Flags and DSP Flags.

NWGetPathFromDirectoryBase has been added to Path and Drive.

The following functions have been added to Print:

NWSPdfGetFirstDevice

NWSPdfGetNextDevice

NWSPdfGetFirstForm

NWSPdfGetNextForm

NWSPdfGetFirstFunction

NWSPdfGetNextFunction

NWSPdfGetFirstMode

NWSPdfGetNextMode

NWSPdfGetFirstModeFunction

NWSPdfGetNextModeFunction

NWSPdfEndNext

Obsolete Functions

The following functions in Connection have been made obsolete:

NWGetConnectionIDFromAddress---use **NWCCScanConnInfo**, **NWCCOpenConnByRef**, and **NWCCLicenseConn** instead.

NWGetConnectionIDFromName---use **NWCCScanConnInfo**, **NWCCOpenConnByRef**, and **NWCCLicenseConn** instead.

NWGetConnectionStatus---use **NWCCGetConnInfo** and **NWGetConnectionInformation** instead.

NWGetDefaultConnectionID---use **NWGetDefaultConnRef** and **NWCCOpenConnByRef** instead.

NWGetMaximumConnections---use **NWCCGetNumConns** instead.

NWGetNearestDirectoryService---use **NWGetNearestDSConnRef** and **NWCCOpenConnByRef** instead.

NWDSAddPartition (NDS): Call **NWDSAddReplica** and **NWDSSplitPartition** instead.

NWwsprintf (Internationalization): Call **NWsprintf** instead.

Moved Function Descriptions

The following functions have been moved from File Engine to Name Space:

GetDataStreamName
GetNameSpaceName
NWGetHugeNSInfo
NWGetNameSpaceEntryName
NWGetNSInfo (NLM)
NWGetNSLoadedList (NLM)
NWQueryNSInfoFormat
NWSetHugeNSInfo
NWSetNameSpaceEntryName
NWSetNSInfo
SetCurrentNameSpace
SetTargetNameSpace

NWGetDirBaseFromPath has been moved from File Engine to Path and Drive.

New Unicode functions have been moved from the NetWare Futures SDK to this SDK. See Internationalization. This information has major changes from the last release.

NLM Development Tools Moved

Documentation for NLM development tools can now be found in NLM Programming. This information was formerly found in the *Developer's Tools Reference*.

Transports Moved

Documentation for transport services can now be found in Communication. Much of this information was formerly found in *Transport*.

Example Code Reference Removed

The *Example Code Reference* has been removed from the SDK. Links to example code can be found in the documentation of the various services.

See Also

What This SDK Covers

Changes for Release 14

Changes for Release 12

Changes for Release 11

Changes for Release 12

These changes have been made to the documentation for Release 12 of the CD-ROM (Edition 2.7).

SDK Reorganization, Release 12

The reorganization of the NetWare® SDK into a more Help-like, hypertext format continues. NetWare services have now been reorganized into service groups, allowing similar services to be grouped together. All information about a service, including development information and reference pages, can be found in the same location.

For help in finding things in this new organization, see the SDK Roadmap.

New Services

The following services have been added:

Information about NWSNMP has been added to Management.

New Unicode Functions

New Unicode functions have been provided. See Unicode in the NetWare Futures SDK (**moved into this SDK as of Release 14**).

Moved Services

Login has been moved from the NetWare Futures SDK to this SDK. See Login.

Volume Management has been moved from the NetWare Futures SDK to this SDK. See Volume Management.

Service Name Changes

File Server Environment is now known as Server Environment

NetWare Application Manager is now known as Application Launcher.

See Also

What This SDK Covers

Changes for Release 14

Changes for Release 13

Changes for Release 11

Changes for Release 11

These changes have been made to the documentation for Release 11 of the CD-ROM (Edition 2.6).

SDK Reorganization, Release 11

The NetWare® SDK is in the process of being transformed into a more Help-like, hypertext format. NetWare services are being reorganized into service groups, allowing similar services to be grouped together. Further, all information about a service, including development information and reference pages, can be found in the same location.

For this release, only the NDS information can be found in the new format. NDS development information and reference pages can now be found in NDS.

In upcoming releases, more of the SDK will be restructured in this way.

Mac OS Client No Longer Supported

The *Mac OS Specific Function Reference* has been removed from the NetWare Limited Support SDK (formerly the NetWare Legacy SDK). As of this release, neither software nor documentation is provided for the Mac* OS client.

Platform Changes

This SDK no longer covers the following platforms:

Mac* OS

NetWare for UNIX*

NetWare for UNIX*

UnixWare*

New Services

The following new services have been added to the NetWare Futures SDK:

Catalog --- **Note: this service was removed from the NetWare Futures SDK as of Release 14.**

Login (moved into this SDK as of Release 12)

These services will be moved into the NetWare SDK when they are fully released and supported (see What Services Appear in the NetWare Futures SDK).

Removed Services

NMX Services has been removed from this SDK.

New Functions

The following function descriptions have been added to Internationalization Services (see Internationalization: Functions).

NWCharLwr
NWisxdigit
NWitoa
NWLInsertChar
NWLmbslen
NWLstricmp
NWltoa
NWLstrlwr
NWLstrtok
NWLTruncateString
NWstrlen
NWultoa
NWutoa

Changes to Functions

NWDSCreateContext has been removed from Directory Services. Use NWDSCreateContextHandle instead.

Up-To-Date Example Code

In this release of the SDK, we are initiating a new process that incorporates example code from working programs into the documentation, ensuring that example code is current and working. Currently, examples extracted in this way can be found in the NDS.

Obsolescence Process for Functions

We have implemented a function obsolescence process for this SDK. For details, see [Obsolete Function Process](#).

See Also

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