SDK Roadmap

Roadmap: Guide

This SDK is being reorganized into subject matter categories based on service group rather than type of information (developer guide, function reference, and so on). In addition, the information is being restructured to provide a more Help-like format. As of Release 12, all services have been categorized and many have been converted to a more Help-like format.

> **NOTE:** See List of Major Topics for a high-level list of information in this SDK.

> For an overview of changes to the organization of this SDK, seeSDK Reorganization.

Find Example Code

Find Functions

Find Future Services

Find General Information

Find It by Its Previous Location

Find It by Service

Find It by Service Group

Find Limited Support Information

Find NLM Information

Find Structures

Find Tools

Find Transport Information

List of Major Topics

SDK Reorganization

Solution Papers

Using DynaText to Find It

Roadmap Topics

Find Example Code

Links to example code can be found throughout this documentation. Look in the various services (see Find It by Service).

Find Functions

Function descriptions can be found with the service that they belong to.

For an alphabetical list of functions, see the Functions by Name. If you know what service your function is in, you might want to look in the Functions by Service.

For a list of services, see Find It by Service.

Find General Information

The following contains information that covers the entire NetWare SDK:

Functions and Structures Master List

Contains lists of functions and structures, both alphabetically and by service.

General Information and Getting Started

Contains general information about developing applications with the NetWare API as well as information about **getting started** using this SDK.

Glossary

Defines terms used in this SDK.

Master Index

An index for the entire NetWare SDK.

New Features and Important Information

Contains information about new features and changes for this release of the SDK (including new services). It also contains important information that you should be aware of.

Read Me

Contains last-minute information that was not available in time for integration with the documentation.

SDK Roadmap

This area of information.

Find Future Services

The following services in the NetWare Futures SDK are part of the Moab Early Release:

Memory Protection
NPL (Novell Portability Layer)
WinSock 2

Find It by Its Previous Location

Because this SDK is in the process of being reorganized (see SDK Reorganization), you might want to find something based on the location that you found it before.

Table . Old and New Locations for Information

If you used to find it here . . .	Look for it here . . .
Bindery	Bindery in NDS and Bindery
Cross-Platform Developer's Guide or *Cross-Platform Function Reference*	These areas have been broken up by service groups. The following summarizes where the various services have been moved.
	Accounting is in Management
	AFP is in File
	Auditing is in Management
	Bindery is in NDS and Bindery
	Connection is in Connection
	Data Migration is in File
	Deleted File is in File
	"Directory" is in NDS and Bindery
	Extended Attribute is in File
	"File I/O" is now part of File System in File
	"File Server Environment" is now Server Environment in Management

	File System is in File
	Internationalization is in Internationalization
	Message is in Communication
	"Miscellaneous" has been broken up. See Reorganization of Miscellaneous Service for complete information.
	Name Space is in File
	NCP Extension is in Communication
	"NetWare Application Manager" is now Application Launcher in Management
	Novell Licensing is in Management
	Path and Drive is in File
	Print Server is in Print
	Print is in Print
	Queue Management is in Management
	Server Management is in Management
	Snap-in is in Management
	Synchronization is in File
	TTS is in Management
	Unicode is in Internationalization
	Volume is in File
	Return Values is in General Information
	"Function Name Equivalents" has been broken up. Look for this information under each service group.
	"NetWare Obsolete Functions" has been broken up. Look for this information under each service group.
Developer's Tools Reference	NLM Development Tools in NLM Programming
Example Code Reference	No longer part of this documentation. See the various services for links to example code.
Functions and Structures Master List	Functions and Structures Master List
Getting Started with the NetWare SDK	General Information/Getting Started, with the exception of the following topics:
	AIOCOMX Communication Driver is in Communication

	"New with This Release of the NetWare SDK" can be found as New Features and Important Information
SDK Roadmap (this area)	
Glossary	Glossary
Internationalization Guide	Has been removed from this SDK
Master Index	Master Index
Miscellaneous	"Miscellaneous" has been broken up. See Reorganization of Miscellaneous Service for complete information.
NDS Developer's Guide	NDS and Bindery
NDS Schema Reference	NDS and Bindery
New Features and Important Information	New Features and Important Information
NLM Programming	All services still there with the exception of the following:
	"Time Conversion and Manipulation" is now Time/Date Manipulation in Management
NLM Specific Developer's Guide and *NLM Specific Function Reference*	All services can be found in NLM Programming with the following exceptions:
	Asynchronous I/O is in Communication
	Connection Number and Task Management is in Connection
	Direct File System is in File
	DOS Partition is in File
	File Engine is in File
	File System Monitoring is in File
	File System is in File
	Internationalization is in Internationalization
	Media Manager is in File
	"Miscellaneous" has been broken up. See Reorganization of Miscellaneous Service for complete information.
	NDS Event is in Management
	NetWare STREAMS is in File
	Operating System I/O is in File
	Stream I/O is in File
	"Time Conversion and Manipulation" is

	now Time/Date Manipulation in Management
	Volume Management is in File
Solution Papers	Communication (Communication White Papers)
Structure Reference	Find structure descriptions in the various service groups.
Transport	Communication
Transport Developer's Guide	Communication
Transport Function Reference	Communication
SDK Views	*SDK Roadmap* (this area)

Find It by Service Group

The SDK is organized by service group, each service group containing one or more services that serve a similar purpose. The following service groups are contained in this SDK:

Bindery

Moved to NDS and Bindery as of Release 14. See Bindery.

Communication

AppleTalk (NLM)
Asynchronous I/O (NLM)
BSD Socket (NLM)
Diagnostic
Internet Network Library (NLM)
IPX/SPX
Message
NCP Extension
NWSIPX
SAP
TCP/IP and TCP/IPX
TLI

Connection

Connection Number and Task Management (NLM)
Connection

File

AFP
Data Migration

Deleted File
Direct File System (NLM)
DOS Partition (NLM)
Extended Attribute
File Engine (NLM)
File System
File System Monitoring (NLM)
Media Manager (NLM)
Name Space
NetWare STREAMS (NLM)
Operating System I/O (NLM)
Path and Drive
Stream I/O (NLM)
Synchronization
Volume
Volume Management (NLM)

Internationalization

Internationalization
Unicode

Login

Login
Login Extension

Management

Accounting
Application Launcher
Auditing
Client Management
Data Manipulation
NDS Event (NLM)
Novell Licensing
NWCalls Management
NWSNMP
Queue Management
Server Environment (formerly File Server Environment)
Server Management
Snap-in
Time/Date Manipulation
TTS

Miscellaneous

Has been broken up as of Release 14. See Reorganization of
Miscellaneous Service for complete information.

NDS and Bindery

Bindery
NDS (including schema information in NDS Schema)

NLM Programming

NOTE: All of these services are **for NLM only**.

Advanced
Bit Array
Character Manipulation
Device I/O
Library
Mathematical Computation
Memory Allocation
Memory Manipulation
NLM Debug
NWSNUT
Screen Handling
SMP
String Conversion
String Manipulation
Thread
Variable Length Argument Lists

Print

Distributed Print
Print
Print Server

Documentation is also provided for the Information Model Architecture used by Distributed Print.

Find It by Service

Table . Service List

Service	Service Group
Accounting	Management
Advanced (NLM)	NLM Programming
AFP	File
AppleTalk (NLM)	Communication
Application Launcher	Management
Asynchronous I/O (NLM)	Communication
Auditing	Management
Bindery	NDS and Bindery

Bit Array (NLM)	NLM Programming
BSD Socket (NLM)	Communication
Character Manipulation (NLM)	NLM Programming
Client Management	Management
Connection	Connection
Connection Number and Task Management (NLM)	Connection
Data Manipulation	Management
Data Migration	File
Deleted File	File
Device I/O (NLM)	NLM Programming
Diagnostic	Communication
Direct File System (NLM)	File
"Directory" now "NDS"	NDS and Bindery
Distributed Print	Print
DOS Partition (NLM)	File
Extended Attribute	File
File Engine (NLM)	File
File I/O: Now part of File System	File
File Server Environment: See Server Environment	Management
File System	File
File System Monitoring (NLM)	File
Internationalization	Internationalization
Internet Network Library (NLM)	Communication
IPX/SPX	Communication
Library (NLM)	NLM Programming
Login	Login
Login Extension	Login
Mathematical Computation (NLM)	NLM Programming
Media Manager (NLM)	File
Memory Allocation (NLM)	NLM Programming
Memory Manipulation (NLM)	NLM Programming
Message	Communication
Miscellaneous: broken up as of Release 14	See Reorganization of Miscellaneous Service for more information.
Name Space	File

NCP Extension	Communication
NDS	NDS and Bindery
NDS Event (NLM)	Management
NetWare Application Manager: Now Application Launcher	Management
NetWare STREAMS (NLM)	File
NLM Debug (NLM)	NLM Programming
Novell Licensing	Management
NWCalls Management	Management
NWSIPX	Communication
NWSNMP	Management
NWSNUT (NLM)	NLM Programming
Operating System I/O (NLM)	File
Path and Drive	File
Print	Print
Print Server	Print
Queue Management	Management
SAP	Communication
Screen Handling (NLM)	NLM Programming
Server Environment	Management
Server Management	Management
SMP (NLM)	NLM Programming
Snap-in	Management
SPX; see IPX/SPX	Communication
Stream I/O (NLM)	File
String Conversion (NLM)	NLM Programming
String Manipulation (NLM)	NLM Programming
Synchronization	File
TCP/IP and TCP/IPX	Communication
Thread (NLM)	NLM Programming
Time Conversion and Manipulation: Now Time/Date Manipulation	Management
Time/Date Manipulation	Management
TLI	Communication
TTS	Management
Unicode	Internationalization

Variable Length Argument Lists (NLM)	NLM Programming
Volume	File
Volume Management	File

Find Limited Support Information

Limited Support Information, is provided by Novell, but will not be supported in the future, can be found in the NetWare Limited Support SDK. The following can be found there:

Assembly language information

Find assembly language information in the following:

Assembly Developer's Guide

Assembly Function Reference

Assembly Transport Function Reference

NLM Limited Support information

Find information about NLM Limited Support Information in the following:

NLM Legacy Developer's Guide

NLM Legacy Function Reference

Find NDS Information

The NDS and Bindery contains programming information and function and structure descriptions, and schema information.

See also NDS Event in Management.

Find NLM Information

Information about **NLM services** are found throughout the service groups (see Find It by Service Group). As of this release, services unique to NLM programming (such as Thread Services) can be found in the NLM Programming. **Basic information** about NLM programming and information about **NLM development tools** can be found there as well.

Find Structures

Structure descriptions can be found with the service that they belong to.

For an alphabetical list of structures, see the Structures by Name. If you know what service your structure is in, you might want to look in the Structures by Service.

For a list of services, see Find It by Service.

Find Tools

For information about development tools, see the following:

NLM Development Tools

Contains information about NLM development tools such as linkers and debuggers.

General Information and Getting Started

Contains information about using development tools for NetWare programming.

Find Transport Information

Transport information can be found in Communication.

List of Major Topics

Here are the major topics covered by this SDK, listed alphabetically:

Communication

Contains programming information for services in the Communication service group, including function and structure descriptions.

Connection

Contains programming information for services in the Connection service group, including function and structure descriptions.

File

Contains programming information for services in the File service group, including function and structure descriptions.

Functions and Structures Master List

Contains lists of functions and structures, both alphabetically and by service.

General Information/Getting Started

Contains general information about developing applications with the NetWare API as well as information about getting started using this SDK.

Glossary

Defines terms used in this SDK.

Internationalization

Contains programming information for services in the Internationalization service group, including function and structure descriptions.

Login

Contains programming information for services in the Login service group, including function and structure descriptions.

Management

Contains programming information for services in the Management service group, including function and structure descriptions.

Master Index

An index for the entire NetWare SDK.

NDS and Bindery

Contains programming information for services in the NDS service group, including function and structure descriptions. Also contains bindery information.

New Features and Important Information

Contains information about new features and changes for this release of the SDK (including new services). It also contains important information that you should be aware of.

NLM Programming

Contains programming information for NLM specific services, including function and structure descriptions.

Print

Contains programming information for services in the Print service group, including function and structure descriptions.

SDK Roadmap

This area of information.

Solution Papers

Papers written about various network programming topics can be found in each service group. As of this release, white papers can be found in the following areas:

Communication White Papers

Tools for Finding Information

The following can help you locate the information you need:

Functions and Structures Master List

Contains lists of functions, structures, macros, and messages, both alphabetically and by service.

Master Index

An index for the entire NetWare SDK.

New Features and Important Information

Contains information about new features and changes for this release of the SDK (including new services). It also contains important information that you should be aware of.

SDK Roadmap

This area of information.

Also see Using DynaText to Find It if you are using a DynaText* version of this documentation.

Using DynaText to Find It

(Applies to the DynaText* version of this documentation.) For a quick overview to get you started using DynaText, double-click the "Using DynaText" icon that appears in the SDK CD window.

For more detailed help, choose the Reader Guide option from the Help menu. The "Searching Books and Collections" chapter provides basic information about searching. The "Advanced Searching Techniques" chapter should help you with more advanced searches, such as wildcard searches, boolean searches, and so on. For answers to frequently-asked questions, see the "Getting Help" chapter.

You can also use the **search forms** that we have provided. To bring up search forms, choose "Search Forms..." under the Book menu (a book must be open). A list of available search forms is displayed when you click the down arrow next to "Search Form:".