

Novell Developer Kit

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CLIENT MANAGEMENT

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Contents

About This Guide	9
1 Client Functions	11
NWEndOfJob	12
NWGetClientType	13
NWGetRequesterVersion	14
NWSetEndOfJobStatus	16
2 NWCalls Functions	19
NWCallsInit	20
NWCallsTerm	22
NWGetNWCallsVersion	23
A Revision History	25

About This Guide

This guide provides functions for managing the client and for initializing and terminating the NWCalls library. See the following sections:

- [Chapter 1, “Client Functions,” on page 11](#)
- [Chapter 2, “NWCalls Functions,” on page 19](#)

Feedback

We want to hear your comments and suggestions about this manual and the other documentation included with this product. Please use the User Comments feature at the bottom of each page of the online documentation.

Documentation Updates

For the most recent version of this guide, see [NLM and NetWare Libraries for C \(including CLIB and XPlat\)](#) (<http://developer.novell.com/ndk/clib.htm>)

Additional Information

For information about other CLib and XPlat interfaces, see the following guides:

- [NLM Development Concepts, Tools, and Functions](http://developer.novell.com/ndk/doc/clib/ndev_enu/data/hqgkbnjr.html) (http://developer.novell.com/ndk/doc/clib/ndev_enu/data/hqgkbnjr.html)
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- [Sample Code](http://developer.novell.com/ndk/doc/clib/code_enu/data/hwtnc7wc.html) (http://developer.novell.com/ndk/doc/clib/code_enu/data/hwtnc7wc.html)
- [Getting Started with NetWare Cross-Platform Libraries for C](http://developer.novell.com/ndk/doc/clib/startenu/data/hv9aw5v8.html) (<http://developer.novell.com/ndk/doc/clib/startenu/data/hv9aw5v8.html>)

- Bindery Management (http://developer.novell.com/ndk/doc/clib/bind_enu/data/h9qzn7u5.html)

For CLib source code projects, visit [Forge](http://forge.novell.com) (<http://forge.novell.com>).

For help with CLib and XPlat problems or questions, visit the [NLM and NetWare Libraries for C \(including CLIB and XPlat\) Developer Support Forums](http://developer.novell.com/ndk/devforums.htm) (<http://developer.novell.com/ndk/devforums.htm>). There are two for NLM development (XPlat and CLib) and one for Windows XPlat development.

Documentation Conventions

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Client Functions

1

This documentation alphabetically lists the Client Management functions and describes their purpose, syntax, parameters, and return values.

- [“NWEndOfJob” on page 12](#)
- [“NWGetClientType” on page 13](#)
- [“NWGetRequesterVersion” on page 14](#)
- [“NWSetEndOfJobStatus” on page 16](#)

NWEndOfJob

Causes an end-of-job to be issued by the PC Shell

NetWare Server: 3.11, 3.12, 3.2, 4.x, 5.x, 6.x

Platform: Windows NT, Windows 95, Windows 98

Library: Cross-Platform NetWare Calls (CAL*.*)

Service: Client Management

Syntax

```
#include <nwmisc.h>
or
#include <nwcalls.h>

NWCCODE N_API NWEndOfJob (
    void);
```

Pascal Syntax

```
uses calwin32

Function NWEndOfJob
    : NWCCODE; stdcall;
```

Return Values

These are common return values; see [Return Values \(Return Values for C\)](#) for more information.

0x0000	SUCCESSFUL
--------	------------

Remarks

An end-of-job is automatically issued by the PC Shell whenever a program exits unless NWEndOfJob has been disabled by calling the NWSetEndOfJobStatus function. When an end-of-job occurs, all locked files and records are cleared and any open files are closed.

NWEndOfJob can be called anytime the program needs the network environment to return to a beginning-of-program state with no files or records logged or locked.

See Also

[NWSetEndOfJobStatus \(page 16\)](#)

NWGetClientType

Determines the type of client running on the local workstation

NetWare Server: 3.11, 3.12, 3.2, 4.x, 5.x, 6.x

Platform: NLM, Windows NT, Windows 95, Windows 98

Library: Cross-Platform NetWare Calls (CAL*.*)

Service: Client Management

Syntax

```
#include <nwmisc.h>
or
#include <nwcalls.h>

nuint16 N_API NWGetClientType (
    void);
```

Pascal Syntax

```
uses calwin32
```

```
Function NWGetClientType
    : nuint16; stdcall;
```

Return Values

These are common return values; see [Return Values \(Return Values for C\)](#) for more information.

0x0000	nuint16 with At Least One Bit Flag Set
--------	--

Remarks

One or more of the following bit flags (defined in `nwapidef.h` and `nwclxcon.txt`) will be set when `NWGetClientType` returns:

- 1 `NW_NETX_SHELL`
- 2 `NW_VLM_REQ`
- 3 `NW_CLIENT32`
- 4 `NW_NT_REQ`
- 5 `NW_OS2_REQ`
- 6 `NW_NLM_REQ`

`NWGetClientType` assumes a client is loaded. If no clients are loaded, the results are inconclusive.

NWGetRequesterVersion

Returns the major version, minor version, and revision number of the OS requester or shell

NetWare Server: 3.11, 3.12, 3.2, 4.x, 5.x, 6.x

Platform: Windows NT, Windows 95, Windows 98

Library: Cross-Platform NetWare Calls (CAL*.*)

Service: Client Management

Syntax

```
#include <nwmisc.h>
or
#include <nwcalls.h>

NWCCODE N_API NWGetRequesterVersion (
    puint8    majorVer,
    puint8    minorVer,
    puint8    revision);
```

Pascal Syntax

```
uses calwin32
```

```
Function NWGetRequesterVersion
    (majorVer : puint8;
     minorVer : puint8;
     revision : puint8
    ) : NWCCODE; stdcall;
```

Parameters

majorVer

(OUT) Points to the major version number of the requester or shell.

minorVer

(OUT) Points to the minor version number of the requester or shell.

revision

(OUT) Points to the revision number of the requester or shell.

Return Values

These are common return values; see [Return Values](#) (*Return Values for C*) for more information.

0x0000	SUCCESSFUL
--------	------------

Remarks

If VLM.EXE is running, NWGetRequesterVersion returns the version of VLM.EXE, even if NETX.VLM is running.

NWSetEndOfJobStatus

Allows an application to enable or disable the EOJs sent when COMMAND.COM executes

NetWare Server: 3.11, 3.12, 3.2, 4.x, 5.x, 6.x

Platform: DOS, Windows 3.1

Library: Cross-Platform NetWare Calls (CAL*.*)

Service: Client Management

Syntax

```
#include <nwmisc.h>
or
#include <nwcalls.h>

NWCCODE N_API NWSetEndOfJobStatus (
    nuint8      endOfJobStatus,
    pnuint8     prevStatus);
```

Pascal Syntax

```
uses calwin32

Function NWSetEndOfJobStatus
    (endOfJobStatus : pnuint;
    prevStatus : pnuint8
    ) : NWCCODE; stdcall;
```

Parameters

endOfJobStatus

(IN) Specifies the end of job status.

prevStatus

(OUT) Points to the previous end of job status (optional).

Return Values

These are common return values; see [Return Values](#) (*Return Values for C*) for more information.

0x0000	SUCCESSFUL
--------	------------

Remarks

NWSetEndOfJobStatus is useful if the application invokes a secondary command processor and does not want to lose its files due to an end of job. The `endOfJobStatus` parameter remains set to the current setting until it is explicitly reset.

The `endOfJobStatus` parameter should be set to one of the following:

0 To disable end-of-job

1 To enable end-of-job

NWCalls Functions

2

This document alphabetically lists uses the NWCalls Management functions and describes their purpose, syntax, parameters, and return values.

- [“NWCallsInit” on page 20](#)
- [“NWCallsTerm” on page 22](#)
- [“NWGetNWCallsVersion” on page 23](#)

NWCallsInit

Initializes the NWCall libraries

NetWare Server: 4.x, 5.x, 6.x

Platform: NLM, Windows NT, Windows 95, Windows 98

Library: Cross-Platform NetWare Calls (CAL*.*)

Service: NWCalls Management

Syntax

```
#include <nwmisc.h>
or
#include <nwcalls.h>

NWCCODE N_API NWCallsInit (
    nptr reserved1,
    nptr reserved2);
```

Pascal Syntax

```
uses calwin32

Function NWCallsInit
    (reserved1 : nptr;
    reserved2 : nptr
    ) : NWCCODE; stdcall;
```

Parameters

NULL should be passed for both the `in` and `out` parameter pointers.

Return Values

These are common return values; see [Return Values](#) (*Return Values for C*) for more information.

Swapped word	SUCCESSFUL
1	Unable to Obtain Double Byte Information
0x88F	SHELL_FAILURE/REM_FAILURE

Remarks

NWCallsInit operates without double byte support.

For all client platforms, NWCallsInit initializes the unicode tables to the native country and code pages defined by the operating system.

For Windows 32-bit platforms, NWCallsInit must be called before any other NetWare® Cross-Platform API function.

See Also

[NWCallsTerm \(page 22\)](#), [NWGetNWCallsVersion \(page 23\)](#)

NWCallsTerm

Terminates the NWCalls library and performs any necessary clean up

NetWare Server: 3.11, 3.12, 4.x, 5.x, 6.x

Platform: NLM, Windows NT, Windows 95, Windows 98

Library: Cross-Platform NetWare Calls (CAL*.*)

Service: NWCalls Management

Syntax

```
#include <nwmisc.h>
or
#include <nwcalls.h>

N_EXTERN_LIBRARY (NWCCODE) NWCallsTerm (
    nptr    reserved);
```

Pascal Syntax

```
uses calwin32

Function NWCallsTerm (
    reserved : nptr
) : NWCCODE; stdcall;
```

Parameters

reserved

(IN) Is reserved (pass NULL).

Return Values

These are common return values; see [Return Values](#) (*Return Values for C*) for more information.

0x0000	SUCCESSFUL
0x89FF	Failure

NCP Calls

None

See Also

[NWCallsInit](#) (page 20), [NWGetNWCallsVersion](#) (page 23)

NWGetNWCallsVersion

Returns the version number of the NWCalls library running on the calling entity

NetWare Server: 3.11, 3.12, 4.x, 5.x, 6.x

Platform: NLM, Windows NT, Windows 95, Windows 98

Library: Cross-Platform NetWare Calls (CAL*.*)

Service: NWCalls Management

Syntax

```
#include <nwmisc.h>
or
#include <nwcalls.h>

void N_API  NWGetNWCallsVersion (
    puint8   majorVer,
    puint8   minorVer,
    puint8   revLevel,
    puint8   betaLevel);
```

Pascal Syntax

uses calwin32

```
Procedure NWGetNWCallsVersion
(majorVer : puint8;
 minorVer : puint8;
 revLevel : puint8;
 betaLevel : puint8
); stdcall;
```

Parameters

majorVer

(OUT) Points to the major version number of the requester or shell.

minorVer

(OUT) Points to the minor version number of the requester or shell.

revLevel

(OUT) Points to the revision number of the requester or shell.

betaLevel

(OUT) Points to the beta revision number of the requester or shell.

Return Values

These are common return values; see [Return Values](#) (*Return Values for C*) for more information.

0x0000	SUCCESSFUL
--------	------------

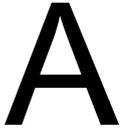
NCP Calls

None

See Also

[NWCallsInit](#) (page 20), [NWCallsTerm](#) (page 22)

Revision History



The following table outlines all the changes that have been made to the Client Management documentation (in reverse chronological order).

October 5, 2005	Transitioned to revised Novell documentation standards.
March 2, 2005	Fixed the preface. Modified the description of the NWCallsInit (page 20) function to indicate that it initializes the libraries.
February 2002	Updated Pascal syntaxes.
September 2001	Added support for NetWare 6.x to documentation.
February 2001	Added Delphi (Pascal) syntax to functions where missing.
September 2000	Added this Revision History to the documentation.
November 1999	Added library information for each function.
