

# Server Platform Services

The Server Platform calls are closely related to the Connection Services calls. Server Platform services allow a client to enable and disable file server login, and return information and statistics about file server configurations and activity. The server information returns in a structure form as defined in Appendix A of the NetWare C Interface for Univel Reference Manual. Most of these calls require supervisory access privileges.

## Function Calls

The Server Platform calls provide two major types of services: 1) disable and enable servers, and 2) get and set server information. Listed below are the calls and their services.

| Disable and Enable Servers   | Get and Set Server Information   |
|------------------------------|--|
| NWDisableServerPlatformLogin | NWGetDiskUtilization   |
| NWDownServerPlatform         | NWGetServerPlatformDateAndTime   |
| NWEnableServerPlatformLogin  | NWGetServerPlatformInformation<br>NWGetServerPlatformName<br>NWGetServerPlatformDescriptionStrings<br>NWGetServerPlatformLoginStatus<br>NWIsNetWare386<br>NWSetServerPlatformDateAndTime |

## Date and Time

The information on date and time on the server is not the same as those defined in the file system services. Server date and time information are stored in a structure while the file system's date and time information are stored in 4 bytes. Table 28 lists the fields in the NWServerPlatformDateAndTime\_t Structure. A description of each field follows the table.

TABLE 28. NWServerPlatformDateAndTime\_t Structure

| Field     | Type  |
|-----------|-------|
| year      | uint8 |
| month     | uint8 |
| day       | uint8 |
| hour      | uint8 |
| minute    | uint8 |
| second    | uint8 |
| dayOfWeek | uint8 |

- year.** The year field passes in a value from 0 through 99. For example, 91 becomes 1991, and 10 becomes 2010.
- month.** The month field passes in a value from 1 through 12.
- day.** The day field passes in a value from 1 through 31.
- hour.** The hour field passes in a value from 0 through 23. Noon is 12.
- minute.** The minute field passes in a value from 0 through 59.
- second.** The second field passes in a value from 0 through 59.
- dayOfWeek.** The dayOfWeek field passes in a value from 0 through 6. Sunday is 0.

**Boolean Functions**

NWIsNetWare386 is the only server call to return 1 if success or 0 if fails. This call returns a boolean rather than an integer type.

**Disabling Logins**

Disabling the login does not allow users to log in. If the application disables the login and then loses its connection (or logout), the server will have to be rebooted. For practical reasons, the application should disable the login, perform intended tasks or operations on the server, and then enable the login.

To see whether the login is disabled, call NWGetServerPlatformLoginStatus.

**Getting and Setting Server Information**

The types of server information available to an application are listed below. The list also includes how each type of information is set.

| Types of Server Information | How the Information Is Set   |
|-----------------------------|--|
| Server's Date and Time      | Call NWSetServerPlatformDateAndTime                                  |
| Server Platform Information | When the server is configured  |
| Server Name                 | Set at installation  |
| Server Description Strings  | Internal to NetWare  |
| Server Login Status         | Call NWDisableServerPlatformLogin, or<br>NWEnableServerPlatformLogin |