NBACKUP
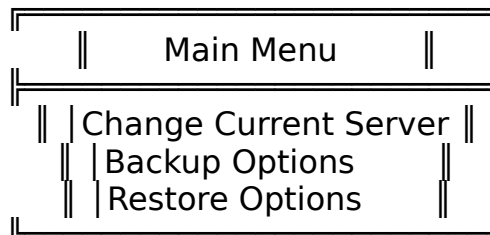**N**etWare **BACKUP** Utility

Why use NBACKUP?

Use NBACKUP to back up and restore data on NetWare 386 v3.0 file servers, NetWare 286 v2.1*x* file servers, and local drives. Regular network users can use NBACKUP to back up information on directories where they have File Scan and Read rights. To restore information, they must have Create, Erase, File Scan, Modify, and Write rights.

The tasks you can perform with NBACKUP are organized according to the topics in the "Main Menu."

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╔══════════════════════════════════╗
║          Main Menu           ║
╠══════════════════════════════════╣
║ │Change Current Server ║
║ │Backup Options        ║
║ │Restore Options       ║
╚══════════════════════════════════╝
```

Change current server

List and change current file server attachments

Backup options

Back up the file server

Back up the bindery

Back up directories

View the error log

View the backup log

Restore options

Restore backed up data

View the error log

View the backup log

Additional information

Running NBACKUP. You must run NBACKUP from a workstation on your network. NBACKUP backs up and restores Macintosh files as well as DOS files.

DOS directories and files must have a valid DOS name to be backed up. You will receive an error if invalid names are encountered.

When you restore a backup session, you must restore it to the same system type that you backed it up from. For example, if you back up a local drive, it must be restored to a local drive; if you back up a NetWare v2.15 system, it must be restored to a NetWare v2.15 system, and so on.

Note: If you are using Macintosh VAPs on your system when you back up, the same VAPs must be running when you restore. Likewise, if you back up a 386 v3.0 file

server that has an installed Macintosh volume, the volume must be installed when you restore.

Using DOS devices. You can back up data to any DOS read-and-write device. Because the backup and restore processes write, read, and rewrite some of the data, the media must be able to update or change information already on the media. The following types of devices can be used:

Workstation floppy drives

Tape drives that have a DOS device driver

Optical drives that have a DOS device driver and are read-and-write devices

The following devices can also be used, but you must be careful not to select more data in one backup session than will fit on the device:

Workstation hard disks

Network drives

An optical disk for a WORM drive that has a DOS device driver

These DOS devices should have at least 10% more space than the data occupies on the file server, because if the device runs out of space, the backup procedure will abort.

NBACKUP

Using non-DOS devices. You can also back up data to non-DOS devices. The current drivers for these devices are listed in the DIBI$DRV.DAT file. A driver and device list is the first menu displayed when NBACKUP is run. Selecting the device from the list automatically links the driver with NBACKUP.

As other device drivers become available, the DIBI$DRV.DAT file and the .EXE driver files are updated and made available on NetWire. Consult your Novell Authorized Reseller or NetWire for additional devices that can be used with NBACKUP.

For more information on using non-DOS devices, see Appendix C in the *NetWare 386 Installation* manual.

If you will only use DOS devices, we suggest you move the DIBI$DRV.DAT file from your search path. Then, you will not have to select the device method each time you enter NBACKUP.

List and change current file server attachments

You can attach to a maximum of eight file servers while using NBACKUP.

Select "Change Current Server" from the "Main Menu." A list of your current attachments appears.

To insert or delete a file server, complete one of the following:

Insert a file server. Press <Insert>.
A list of available servers appears.
Select the server you want to attach
to.

Delete a file server. Highlight the
server you want to remove and
press <Delete>.

You can back up the data on your file server in one session or in multiple sessions. If you need to use more than one DOS device (for example, more than one network drive), you must use the multiple session options (see "Back up the bindery" on page and "Back up directories" on page).

If you are using a specific device (Wangtek, for example), you must use a new cartridge every time you start a new backup session. When you start a new session, the tape automatically rewinds to the start of the tape. If any data already exists on the cartridge, it will be overwritten.

If you have enough space on the DOS device to back up your entire file server in one session, use these instructions.

Note: NBACKUP will not back up hidden and system directories on NetWare v2.1x file servers. If you have hidden or system directories on a NetWare v2.1x system, you must change the attributes to make the directories visible before you back them up.

Enter NBACKUP and select the device method you will use to back up data.

When the "Main Menu" appears, select "Backup Options."

Select the "Select Working Directory" option from the "Backup Menu."

What is a working directory? The working directory stores two session files: one contains a backup log and the other contains an error log for each backup session.

You can use a local hard drive or a network drive for your working directory. You cannot, however, use the DOS device drive if it has removable media.

If you lose your session files, you cannot restore your data. We suggest that you keep session files on a hard drive or copy them onto floppy diskettes when backup is done.

Enter the working directory path by completing one of the following:

Type the directory path in the Entry box and press <Enter>.

Press <Insert> to select a directory from a list.

Press <Insert> twice to attach to an additional file server, and select a directory.

Select "Backup File Server" from the

"Main Menu." The "Backup Options"
window appears.

"Session Description" and "Destination
Directory" must be filled in. If you
chose a specific device (Wangtek, for
example), the destination directory is
automatically selected. All the other
options have default values. The
options are described beginning on the
next page.

```
┌──────────────────────────────────────────┐
│  ┌─────────────────────────────────────┐  ║
│  ║           Backup Options          ║  ║
│  └─────────────────────────────────────┘  ║
┌──────────────────────────────────────┐    ║
║  Session Description:              ║  ║
║                                  ║     ║
║  Backup Trustees: Yes             ║  ║
║  Modified Files Only: Yes         ║  ║
║  Files to Include: All          ║     ║
║  Files to Exclude: None           ║  ║
║  Directories to Exclude: None
║
║  Backup Hidden Files: No
║
║  Backup System Files: No
║
║  Destination Directory:           ║
║                                ║
└──────────────────────────────────────────┘
     └─────────────────────────────────┘
```

Session description. This option
identifies the backup session. You
must enter a description before you
begin. If you are making multiple
backups, give each one a unique
description.

The field is highlighted by default.
Press <Enter> and type a
description of what you are backing
up.

Backup trustees. This option determines whether the trustee assignments granted to directories and files are backed up automatically. Default: Yes

To cancel the backup of trustee assignments, highlight the field and type N.

Modified files only. This option allows you to back up only the files that have been modified since the last backup. Default: Yes

To back up all files, modified and unmodified, highlight the field and type N.

Files to include. This option allows you to back up only selected files. Default: All

To back up only selected files, highlight the field and press <Enter>. Press <Insert> and type a filename in the "Files to Include" entry box. Press <Enter>.

Repeat this process to add other filenames. You can also use wildcard characters to designate multiple files in all directories. Press <Escape> when the list is complete.

Files to exclude. Use this option to prevent selected files from being backed up. "Files to Exclude" overrides "Files to Include," so if a file is included in both lists, the file will not be backed up. Default: None.

To exclude selected files, highlight the field and press <Enter>. Press <Insert> and type a filename in the "Files to Exclude" entry box. Press <Enter>.

Repeat this process to add other filenames. You can also use wildcard characters to designate multiple files in all directories. Press <Escape> when the list is complete.

Directories to exclude. Use this option to prevent selected directories from being backed up. Default: None.

To exclude selected directories, highlight the field and press <Enter>. Press <Insert> and type a

full directory path in the "Directories to Exclude" entry box. Press <Enter>.

Repeat this process to add other directories.   Press <Escape> when the list is complete.

Backup hidden files. Use this option to back up all hidden files. Default: No

To back up hidden files, highlight the field and type Y.

Backup system files. Use this option to back up all system files. Default: No

To back up system files, highlight the field and type Y.

Destination directory. The destination directory is the location of your DOS device. It can be a local floppy drive, a local hard drive, a local tape drive, or a network drive on another file server. If you chose a specific device (Wangtek, for example), the destination directory is automatically selected.

Highlight the "Destination Directory" field and press <Enter>. Complete one of the following:

Type the directory path for the DOS device in the Entry box and press <Enter>.

Press <Insert> to select the directory path from a list of local drives.

Press <Insert> twice to attach to an additional file server, and then select the directory path.

When you have completed the "Backup Options" form, press <Escape> and save your changes.

Select "Yes" in the "Start Backup" window to begin.

If you need to stop the backup session, press <Escape>. As soon as the

current item has been backed up, a prompt appears that allows you to abort the backup session. If you select "Yes," NBACKUP automatically deletes all the data that has been backed up, but saves the session files in the working directory.

When the backup session begins, status windows appear. These windows record what is currently being backed up, what data has already been backed up, and how much time has elapsed in the backup session. The window at the bottom of the screen records any errors that occur during the backup.

If you are using removable media, the "Media ID" field displays the current cartridge number. For example, if you are using tapes, the Media ID number indicates which tape is currently in use. Each new tape is given an incremented number. Label the cartridges as you insert them so you'll know which order they need to be in when you restore the data.

The bindery is backed up first. When the bindery has been backed up, you are prompted to continue the session.

Note: If you are using a specific device (Wangtek, for example), you must now insert a new cartridge for data backup. Otherwise, the bindery backup you have just performed will be overwritten.

As long as the bar in the "Activity" line is changing, the backup is still in process.

When the session is completed, press <Enter> to return to the "Backup Menu." If you received error messages during the backup session, see "View the error log" on page .

Back up the bindery

You can back up the data on your file server in one session or in multiple sessions. If you have enough space on the DOS device to back up your entire file server in one session, see "Back up the file server" on page .

If you need to use more than one DOS device (for example, more than one network drive), you must use the multiple session options. These instructions explain how to back up the bindery. (To back up directories, see "Back up directories" on page).

If you are using a specific device (Wangtek, for example), you must use a new cartridge every time you start a new backup session. When you start a new session, the tape automatically rewinds to the start of the tape. If any data already exists on the cartridge, it will be overwritten.

Enter NBACKUP and select the device method you will use to back up data.

When the "Main Menu" appears, select "Backup Options."

Select the "Select Working Directory" option from the "Backup Menu."

What is a working directory? The

working directory stores two session files: one contains a backup log and the other contains an error log for each backup session.

You can use a local hard drive or a network drive for your working directory. You cannot, however, use the DOS device drive if it has removable media.

If you lose your session files, you cannot restore your data. We suggest that you keep session files on a hard drive or copy them onto floppy diskettes when backup is done.

Enter the working directory path by completing one of the following:

Type the directory path in the Entry box and press <Enter>.

Press <Insert> to select a directory path from a list.

Press <Insert> twice to attach to an additional file server, and select a directory path.

Select "Backup Bindery" from the "Backup Menu." The "Backup Options" window appears. Both "Session Description" and "Destination Directory" must be filled in. If you chose a specific device (Wangtek, for example), the destination directory is automatically selected. Each option is described below.

```
┌───────────────────────────────────
║        Backup Options            ║
╠═══════════════════════════════════
║  Session Description:           ║
║                               ║
║  Destination Directory:         ║
║                               ║
└───────────────────────────────────
```

Session description. This description
identifies the backup session. You
must enter a description before you
begin. If you are making multiple
backups, give each one a unique
description.

The field is highlighted by default.
Press <Enter> and type a
description of what you are backing
up.

Destination directory. The destination directory is the location of your DOS device. It can be a local floppy drive, a local hard drive, a local tape drive, or a network drive on another file server. If you chose a specific device (Wangtek, for example), the destination directory is automatically selected.

Highlight the "Destination Directory" field and press <Enter>. Complete one of the following:

Type the directory path for the DOS device in the Entry box and press <Enter>.

Press <Insert> to select the directory path from a list.

Press <Insert> twice to attach to an additional file server, and then select the directory path.

When you have completed the "Backup Options" form, press <Escape> and save your changes.

Select "Yes" in the "Start Backup" window to begin.

If you need to stop the backup session, press <Escape>. As soon as the current item has been backed up, a

prompt appears that allows you to abort the backup session. If you select "Yes," NBACKUP automatically deletes all the data that has been backed up, but saves the session files in the working directory.

When the backup session begins, status windows appear. These windows record what is currently being backed up, what data has already been backed up, and how much time has elapsed in the backup session. The window at the bottom of the screen records any errors that occur during the backup.

If you are using removable media, the "Media ID" field displays the current cartridge number. For example, if you are using tapes, the Media ID number indicates which tape is currently in use. Each new tape is given an incremented number. Label the cartridges as you insert them so you'll know which order they need to be in when you restore the data.

As long as the bar in the "Activity" line is changing, the backup is still in process.

When the session is completed, press <Enter> to return to the "Backup Menu." If you received any error messages during the backup session, see "View the error log" on page .

You can back up the data on your file server in one session or in multiple sessions. If you have enough space on the DOS device to back up your entire file server in one session, see "Back up the file server" on page .

If you need to use more than one DOS device (for example, more than one network drive), you must use the multiple session options. These instructions explain how to back up directories. (To back up the bindery, see "Back up the bindery" on page).

If you are using a specific device (Wangtek, for example), you must use a new cartridge every time you start a new backup session. When you start a new session, the tape automatically rewinds to the start of the tape. If any data already exists on the cartridge, it will be overwritten.

Note: NBACKUP will not back up hidden and system directories on NetWare v2.1x file servers. If you have hidden or system directories on NetWare v2.1x systems, you must change the attributes to make the directories visible before you back them up.

Enter NBACKUP and select the device method you will use to back up data.

When the "Main Menu" appears, select "Backup Options."

Select the "Select Working Directory" option from the "Backup Menu."

What is a "working directory?" The working directory stores two session files: one contains a backup log and the other contains an error log of each backup session.

You can use a local hard drive or a network drive for your working directory. You cannot, however, use the DOS device drive if it has removeable media.

If you lose your session files, you cannot restore your data. We suggest that you keep session files on a hard drive or copy them onto floppy diskettes when backup is done.

Enter the working directory path by completing one of the following:

Type the directory path in the Entry box and press <Enter>.

Press <Insert> to select a directory from a list.

Press <Insert> twice to attach to an additional file server, and select a directory.

Select "Backup By Directory" from the

"Main Menu." The "Backup Options" window appears.

"Session Description and "Destination Directory" must be filled in. If you chose a specific device (Wangtek, for example), the destination directory is automatically selected. All the other options have default values. The options are described beginning on the next page.

Backup Options

Session Description:

Backup Subdirectories: Yes

Backup Trustees: Yes
Modified Files Only: Yes
Files to Include: None
Files to Exclude: None
Directories to Include: All
Directories to Exclude: None

Backup Hidden Files: No

Backup System Files: No

Source Directory:
  PDSPEEDY/SYS:
Destination Directory:

Session description. This option identifies the backup session. You must enter a description before you begin. If you are making multiple backups, give each one a unique description.

The field is highlighted by default. Press <Enter> and type a

description of what you are backing up.

Backup subdirectories. This option determines whether the subdirectories of the directory you select will be backed up automatically with the directory. Default: Yes

To cancel the backup of subdirectories, highlight the field and type N.

Backup trustees. This option determines whether the trustee assignments granted to directories and files are backed up automatically. Default: Yes

To cancel the backup of trustee assignments, highlight the field and type N.

Utilities Reference

Modified files only. This option allows you to back up only the files that have been modified since the last backup. Default: Yes

To back up <u>all</u> files, modified and unmodified, highlight the field and type N.

Files to include. This option allows you to back up only selected files. Default: All

To back up only selected files, highlight the field and press <Enter>. Press <Insert> and type a filename in the "Files to Include" entry box. Press <Enter>.

Repeat this process to add other filenames. You can also use wildcard characters to designate multiple files in all directories. Press <Escape> when the list is complete.

Files to exclude. Use this option to prevent selected files from being backed up. "Files to Exclude" overrides "Files to Include," so if a file is included in both lists, the file will not be backed up. Default: None

To exclude selected files, highlight

the field and press <Enter>. Press
<Insert> and type a filename in the
"Files to Exclude" entry box. Press
<Enter>.

Repeat this process to add other
filenames. You can also use wildcard
characters to designate multiple files
in all directories. Press <Escape>
when the list is complete.

Directories to include. This option allows you to back up only selected directories.
Default: All

To back up only selected directories, highlight the field and press <Enter>. Press <Insert> and type a full directory path in the "Directories to Include" entry box. Press <Enter>.

Repeat this process to add other directories.   Press <Escape> when the list is complete.

Directories to exclude. Use this option to prevent selected directories from being backed up.
Default: None

To exclude selected directories, highlight the field and press <Enter>. Press <Insert> and type a full directory path in the "Directories to Exclude" entry box. Press <Enter>.

Repeat this process to add other filenames.   Press <Escape> when the list is complete.

Backup hidden files. Use this option

to back up all hidden files. Default: No

To back up hidden files, highlight the field and type Y.

Backup system files. Use this option to back up all system files. Default: No

To back up system files, highlight the field and type Y.

Source directory. The source directory specifies which volume, directory, or subdirectory you are backing up. Only directories on the current server can be specified.

Highlight the "Source Directory" field and press <Enter>. Complete one of the following.

Type the directory path in the Entry box and press <Enter>.

Press <Insert> to select the directory path from a list of directories.

Destination directory. The destination directory is the location of your DOS device. It can be a local floppy drive, a local hard drive, a local tape drive, or a network drive on another file server. If you chose a specific device (Wangtek, for example), the destination directory is automatically selected.

Highlight the "Destination Directory" field and press <Enter>. Complete one of the following.

Type the directory path for the DOS device in the Entry box and press <Enter>.

Utilities Reference   583/Rev1.0

Press <Insert> to select the directory path from a list of local drives.

Press <Insert> twice to attach to an additional file server, and then select the directory path.

When you have completed the "Backup Options" form, press <Escape> and save your changes.

Select "Yes" in the "Start Backup" window to begin.

If you need to stop the backup session, press <Escape>. As soon as the current item has been backed up, a prompt appears that allows you to abort the backup session. If you select "Yes," NBACKUP automatically deletes all the data that has been backed up, but saves the session files in the working directory.

When the backup session begins, status windows appear. These windows record what is currently being backed up, what data has already been backed up, and how much time has elapsed in the backup session. The window at the bottom of the screen records any errors that occur during the backup.

If you are using a removable media, the "Media ID" field displays the current cartridge number. For example, if you are using tapes, the Media ID number indicates which tape is currently in use. Each new tape is given an incremented number. Label the cartridges as you insert them so you'll know which order they must be in when you restore the data.

As long as the bar in the "Activity" line is changing, the backup is still in process.

When the session is completed, press <Enter> to return to the "Backup Menu." If you received any error messages during the backup session, see "View the error log" on the next page.

The error log records all errors that occur during the backup session. Some error messages are informational and some indicate that you need to repeat the backup session. See the sections following these instructions for additional information about potential error messages.

Select "Backup Options" from the "Main Menu."

Select "View Error Log." If you have just finished a backup, a list of all backup sessions in the working directory appears.

If, however, you have just entered NBACKUP, you are prompted for the working directory. Enter the directory path you specified as your working directory for the backup session.

Select the backup session you want to view the error log for.

Informational messages

The following errors are for your information only and do not indicate that you need to repeat the backup session.

Message

Meaning
The file *filename* was not Marked after backup!

NBACKUP

The Archive bit was not removed after the file was backed up. Most files have the Archive bit cleared after they have been backed up.

The file *filename* was not backed up
because it is in use.

Usually the only files that will be marked
"in use" are files used by VAPs.
The file *filename* was not backed up
because it is execute-only!

Files that have been flagged Execute-only cannot be backed up.

Other messages

The following errors indicate that you need to repeat all or part of the backup. How much you need to repeat depends upon whether the error occurred during the bindery backup or during data backup.

Message

NBACKUP

Meaning
The directory *directory name* was not
backed up because it has an illegal name!

The directory does not have a valid DOS name. You must rename it to back it up.
The file *filename* was not backed up because it has an illegal name!

The file does not have a valid DOS name.
You must rename it to back it up.

The backup log records all the files, directories, and volumes backed up during the backup session. A backup log is created for every backup session except bindery backups.

Select "Backup Options" from the "Main Menu."

Select "View Backup Log."If you have just finished backing up, a list of all backup sessions in the working directory appears. Each session is listed by description, date, time, and source.

If, however, you have just entered NBACKUP, you are prompted for the working directory. Enter the directory path you specified as your working directory for the backup session.

Select the session you want to view the backup log for.

The backup log lists all data backed up during the session as well as the data file name. Use the Up- and Down-arrow keys to scroll through the file.

Use the restore function of NBACKUP to restore previously backed-up data. When you restore a backup session, you must restore it to the same system type that you backed it up from. For example, if you backed up a local drive, you must restore it to a local drive; if you backed up a NetWare v2.15 system, you must restore it to a NetWare v2.15 system, and so on.

Note: If you were using Macintosh VAPs on your system when you backed up, the same VAPs must be running when you restore. Likewise, if you backed up a 386 v3.0 file server that had an installed Macintosh volume, the volume must be installed when you restore.

If you want to view the contents of a backup session before you restore it, see "View the backup log" on page .

If you need to restore the bindery and data from multiple sessions, you must restore the bindery first to restore trustee assignments.

Enter NBACKUP and select the type of device used to back up the data you want to restore.
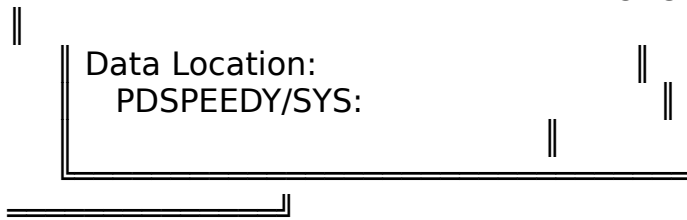
When the "Main Menu" appears, select

"Restore Options."

Select the "Select Working Directory" option from the "Restore Menu." The working directory must be the same working directory you used for the backup session you want to restore.

Enter the working directory path by completing one of the following:

Type the directory path in the Entry box and press <Enter>.

Press <Insert> to select a directory path from a list.

Press <Insert> twice to attach to an additional file server, and select a directory path.

Select "Restore Session" from the "Restore Menu."

Select the backup session you want to restore. The "Restore Options" window appears. All the options have default values. If you selected a specific device (Wangtek, for example), the data location is automatically specified. The options are described beginning on the next page.

```
                Restore Options

  File Exists:  Overwrite File
  Files To Include:  All
  Files To Exclude:  Yes
  Directories To Include:  No

  Directories To Exclude:  No
```

NBACKUP

Data Location:
PDSPEEDY/SYS:

File exists. Use this option to modify how files are restored. When you select "File Exists," the "File Options" menu appears. Each option is described below. Default: Overwrite existing file.

Select the "File Exists" field and choose one of the following options.

Do Not
Overwrite   Select this option if you don't want to restore files.

Interactive   Select this option if you want to be prompted to restore each file.

Overwrite   Select this option if you want
Existing File   to overwrite existing files. This is the default option.

Rename   Select this option if you want
Existing File   to rename the existing file. The renamed file will have a .B*nn* extension.

Rename   Select this option if you want
Restored File to rename the file you are restoring. The renamed file will

have a .B*nn* extension.

Files To Include. This option allows
you to restore only selected files.
Default: All

To restore only selected files,
highlight the field and press
<Enter>. Press <Insert> and type a
filename in the "Files to Include"
entry box. Press <Enter>.

Repeat this process to add other
filenames. You can also use wildcard
characters to designate multiple files
in all directories. Press <Escape>
when the list is complete.

Files To Exclude. Use this option to prevent selected files from being restored. "Files to Exclude" overrides "Files to Include," so if a file is included in both lists, the file will not be restored. Default: None

To exclude selected files, highlight the field and press <Enter>. Press <Insert> and type a filename in the "Files to Exclude" entry box. Press <Enter>.

Repeat this process to add other filenames. You can also use wildcard characters to designate multiple files in all directories. Press <Escape> when the list is complete.

Directories To Include. This option allows you to restore only selected directories. Default: All

To restore only selected directories, highlight the field and press <Enter>. Press <Insert> and type a full directory path in the "Directories to Include" entry box. Press <Enter>.

Repeat this process to add other directories.

Directories To Exclude. Use this option to prevent selected directories from being restored. "Directories to Exclude" overrides "Directories to Include," so if a directory is included in both lists, the directory will not be restored.
Default: None

To exclude selected directories, highlight the field and press <Enter>. Press <Insert> and type a full directory path in the "Directories to Exclude" entry box. Press <Enter>.

Repeat this process to add other directories.

Data Location: The data location
specifies where the backup session
files are located.
NBACKUP reads this location out of
the session files. If you selected a
specific device (Wangtek, for
example), the data location is
automatically specified.

If you have changed the location of
the backup files, highlight the field
and press the Modify key (F3). Type
the path for the new location, or
press <Insert> to select the path
from a list. When the path is
complete, press <Enter>.

When you have completed the "Restore
Options" form, press <Escape> and
save your changes.

Select "Yes" in the "Start Restore"
window to begin.

If you need to stop the restore session,
press <Escape>. As soon as the
current item has been backed up, a
prompt appears that allows you to
abort the restore session. If you select
"Yes," NBACKUP automatically deletes
the session files.

When the restore session begins, status
windows appear. These windows record
what is currently being restored, what

data has already been restored, and how much time has elapsed in the restore session. The window at the bottom of the screen records any errors that occur during the restore session.

As long as the bar in the "Activity" line is changing, the restore session is still in process.

When the session is completed, press <Enter> to return to the "Restore Menu." If you received any error messages during the restore session, see "View the error log" on the next page.

The error log records all errors that occur during both the backup and restore sessions. The restore errors are appended to the existing error log for the backup session. A brief descriptor identifies where the restore errors begin.

See the sections following these instructions for additional information about potential error messages.

Select "Restore Options" from the "Main Menu."

Select "View Error Log." If you have just finished restoring, a list of all restore sessions in the working directory appears.

If, however, you have just entered NBACKUP, you are prompted for the working directory. Enter the directory path you specified as your working directory for the restore session.

Select the restore session you want to view the error log for.

Error messages

The following errors indicate that you need to repeat all or part of the restore session. How much you need to repeat depends

upon where the error occurred.

Message

Utilities Reference

Meaning
Data must be restored to the same system
version as it was backed up from!

You must restore data to <u>exactly</u> the same system version it was backed up from: v2.12 to v2.12, v3.0 to v3.0, and so on.

Utilities Reference

NBACKUP

Cannot restore directory *directory name*, a
file by that name already exists!

If you have an existing file with the same name as a directory you're restoring, NBACKUP aborts the restore.
You do not have sufficient rights to create this directory!

NBACKUP

You must have Create, Erase, File Scan, Modify, and Write rights to restore data.

View the backup log

The backup log records all the files, directories, and volumes backed up during the backup session. A backup log is created for every backup session except bindery backups.

Select "Restore Options" from the "Main Menu."

Select "View Backup Log." If you have just finished backing up, a list of all backup sessions in the working directory appears.

If, however, you have just entered NBACKUP, you are prompted for the working directory. Enter the directory path you specified as your working directory for the backup session.

Select the session you want to view the backup log for.

The backup log lists all data backed up during the session as well as the data file name. Use the Up- and Down-arrow keys to scroll through the file.