

Appendix C Using Brequest

Appendix B discussed error messages and explanations. This appendix discusses the use and configuration of the server-based Btrieve record manager, BREQUEST.

Using the Btrieve NLM

The Btrieve record manager must be loaded before running the SiteMeter EQUIP program. It is highly recommended that you use the server-based BREQUEST program while running EQUIP. This appendix offers recommendations on setting up and using the Btrieve NLM.

NOTE:

a - When using BREQUEST, version 6.10 or greater is required.

b - When using BREQUEST, BSPXCOM and BROUTER must also be loaded on the fileserver. For details on loading these programs, refer to your Novell documentation.

Using the NLM with EQUIP

Using BREQUEST, as opposed to BTRIEVE, will improve the performance of data collection, auditing and reporting by at least 50% and as much as 500%. An additional advantage is the savings in local (client) memory—BTRIEVE.EXE can occupy from 50-85K of conventional memory, whereas BREQUEST.EXE can occupy approximately 31-45K. The exact amount of memory required for both programs depend on the specified command line parameters.

Use the following procedure to configure the Btrieve NLM.

1. To configure the NLM, run BSETUP.NLM.

At the file server console prompt, type:

```
LOAD BSETUP <ENTER>
```

2. Choose Set Btrieve Configuration to verify that the following options are defined.

The values provided below are the minimum values required; your current values may be set higher.

- ☐ Number of Open Files: = 22 (default = 20)
- ☐ Number of Transactions: = 1 (default = 0)
- ☐ Largest Record Size: = 17000 (default = 8192)
- ☐ Largest Page Size: = 4096 (default = 4096)

NOTE:

All other BSETUP options can remain unchanged.

3. Save the configuration, and exit BSETUP.

BSETUP writes the configuration changes to the BSTART.NCF file. The changes do not take effect until the next time the Btrieve NLM is loaded.

4. To load the NLM, run BSTART.

At the file server console prompt, type:

```
BSTART <ENTER>
```

BSTART is an NCF file which loads both BTRIEVE.NLM and BSPXCOM.NLM.

5. To unload the Btrieve NLM, issue the BSTOP command.

If the Btrieve NLM was loaded when changes were made in BSETUP, you need to unload Btrieve and then reload the NLMs in order for the changes to take effect.

For example, at the console prompt, type:

```
BSTOP <ENTER>
```

```
BSTART <ENTER>
```

Using Brequest in a Login Script

To ensure that EQUIP is executed on a regular basis, the EQUIP command can be placed in your system login script. Because the Btrieve database must be loaded before running EQUIP, a Btrieve command must also be placed in the login script. EQUIP executes much faster when used in conjunction with Brequest and the BTRIEVE NLM; therefore, the login script should contain the BREQUEST.EXE command.

The following example illustrates how EQUIP can be run from the system login script, using BREQUEST. Comments are indicated in the text between the angle brackets.

```
MAP F:=FS/SYS:LANINV <maps drive to LANINV dir>
DRIVE F: <changes to the LANINV dir>
#BREQUEST /D:17000
#EQUIP <specify scan parameters>
#ENDBTRV
```

NOTES:

a - Loading SPX - LAN Inventory requires SPX to be loaded at each workstation. Brequest communicates with BSPXCOM.NLM via SPX. BSPXCOM, in turn, passes all requests from Brequest to the BTRIEVE NLM. If SPX is not loaded at a workstation, that workstation has no communication whatsoever with the Btrieve record manager. If you have loaded Brequest and are getting "BTRIEVE Record Manager Not Loaded" messages, make sure that SPX is loaded. This normally only becomes an issue on workstations that load the ODI drivers because the ODI drivers can optionally load SPX.

b - Brequest /D switch - The /D: parameter specifies the size of the "data message buffer length." This buffer refers to the maximum record size that the NLM will transmit to the workstation. This switch should be set to 17000 for the purposes of LAN Inventory.

c - Brequest /L switch - When running SDUPDATE.EXE in a DOS box, you must load another session of BREQUEST by entering the following command:

```
BREQUEST /D:17000 /L
```

After running the program, end the additional session by issuing the ENDBTRV command.

d - Brequest Error 87 - If you receive an "Error 87" from Btrieve while using Brequest, increase the 'Number Of Open Files' setting in BSETUP.

Using the Btrieve VAP

All of the options and suggestions regarding the Btrieve NLM also apply to the Btrieve VAP. The BSETUP parameters, Brequest parameters, and Windows requester initialization settings are identical.

NOTE:

When using the Btrieve VAP, the file server needs to be rebooted in order for any changes in BSETUP to take effect.

Notes