



File Management

This section of the Manager lets you manage files in VPN Concentrator Flash memory. (Flash memory acts like a disk.) Such files include CONFIG, CONFIG.BAK, saved log files, and copies of any of these files that you have saved under different names.

- **Swap Configuration Files:** Swap backup and boot configuration files.
- **TFTP Transfer:** Use TFTP to transfer files to and from the VPN Concentrator.
- **File Upload:** Use HTTP to transfer files to the VPN Concentrator.
- **XML Export:** Export the configuration to an XML file stored on the VPN Concentrator.

Administration | File Management

The screen shows a table listing all files in Flash memory, one file per table row. Use the frame scroll controls (if present) to display more files in the table.

Figure 10-1 Administration | File Management Screen

Administration | File Management
Monday, 17 June 2002 14:02:35

[Refresh](#)

This screen lets you manage files on the VPN 3000 Concentrator. Select a file from the list and click the appropriate **Action**, or choose an action from the list below.

- [Swap Config File](#) -- swap the backup and boot configuration files.
- [TFTP Transfer](#) -- transfer files via TFTP.
- [File Upload](#) -- send a file via HTTP.
- [XML Export](#) -- export the configuration to an XML file.

Total: 12336KB, Used: 294KB, Free: 12042KB

Filename	Size (bytes)	Date/Time	Actions
CONFIG.BAK	26528	05/17/2002 12:56:08	View Delete Copy
CONFIG	26528	05/20/2002 12:42:24	View Delete Copy
SAVELOG.TXT	167430	06/17/2002 08:19:38	View Delete Copy

Screen Elements

- **Refresh** — Click to update the screen and its data. The date and time indicate when the screen was last updated.
- **Total, Used, Free KB** — The total size of Flash memory in kilobytes, the amount used by the files listed, and the remaining free space in Flash memory.

- **Filename** — The name of the file in Flash memory. The VPN Concentrator stores filenames as uppercase in the 8.3 naming convention.
- **Size (bytes)** — The size of the file in bytes.
- **Date/Time** — The date and time the file was created. The format is MM/DD/YY HH:MM:SS, with time in 24-hour notation. For example, 05/07/01 15:20:24 is May 7, 2001 at 3:20:24 PM.

Actions

For a selected file, click the desired action link. The actions available to you depend on your Access Rights to Files; see the Administration | Access Rights | [Administrators](#) | [Modify Properties](#) screen.

- **View (Save)** — Click to display the selected file. The Manager opens a new browser window to display the file, and the browser address bar shows the filename.

After you display the file, you can save a copy on your PC (where you are currently running the browser). Choose **Save As...** from the **File** menu in the browser window displaying the file. The default filename is the same as on the VPN Concentrator.



Note

When saving a configuration file on your PC via your browser, be sure to save the configuration file as a `.TXT` file, not an `.HTM` file. Some browser versions default to saving the file as an `.HTM` file, so you may need to change the file type. Saving the file as an `.HTM` file causes some data to be added to the top of the configuration file that is not valid configuration data. If you later upload this file to the VPN Concentrator, the invalid data it contains might cause unpredictable results.

Alternatively, you can use the secondary mouse button to click **View** on this Manager screen. A pop-up menu presents choices the exact wording of which depends on your browser, but among them are:

- Open Link, Open Link in New Window, Open in New Window = Open and view the file in a new browser window.
- Save Target As..., Save Link As... = Save a copy of the file on your PC. Your system prompts for a filename and location. The default filename is the same as on the VPN Concentrator.

When you are finished viewing or saving the file, close the new browser window.

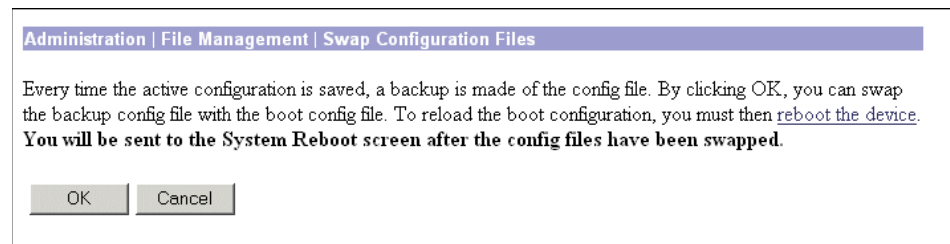
- **Delete** — Click to delete the selected file from Flash memory. The Manager opens a dialog box for you to confirm or cancel. If you confirm, the Manager refreshes the screen and shows the revised list of files.
- **Copy** — Click to copy a selected file within Flash memory. The Manager opens a dialog box for you to enter a filename for the copy, and to confirm the action. Filenames must adhere to the 8.3 naming convention. If you confirm, the Manager refreshes the screen and shows the revised list of files.
- **Import** — Click to import an XML file. The Manager opens the Administration | File Management | Import XML File screen and displays the file status. The Import option is only available for files with a `.XML` extension.

Swap Configuration Files

This screen lets you swap the boot configuration file with the backup configuration file. Every time you save the active configuration, the system writes it to the CONFIG file, which is the boot configuration file; and it saves the previous CONFIG file as CONFIG.BAK, the backup configuration file.

To reload the boot configuration file and make it the active configuration, you must reboot the system. When you click **OK**, the system automatically goes to the [Administration | System Reboot](#) screen, where you can reboot the system. You can also click the highlighted link to go to that screen.

Figure 10-2 Administration | File Management | Swap Configuration Files Screen



Screen Elements

- **OK** — Click to swap CONFIG and CONFIG.BAK files. The Manager goes to the [Administration | System Reboot](#) screen.
- **Cancel** — Click to leave the files unchanged. The Manager returns to the [Administration | File Management](#) screen.

TFTP Transfer

This screen lets you use TFTP (Trivial File Transfer Protocol) to transfer files to and from VPN Concentrator Flash memory. (Flash memory acts like a disk.) The VPN Concentrator acts as a TFTP client for these functions, accessing a TFTP server running on a remote system. All transfers are made in binary (octet) mode, and they copy—rather than move—files.

To use these functions, you must have Access Rights to Read/Write Files. See the Administration | Access Rights | [Administrators](#) | [Modify Properties](#) screen.

You can list, view, and manage VPN Concentrator files on the main [Administration | File Management](#) screen.

Figure 10-3 Administration | File Management | TFTP Transfer Screen

Screen Elements

- **Concentrator File** — Enter the name of the file on the VPN Concentrator. This filename must conform to the 8.3 naming convention.
- **Action** — Click this drop-down menu button and choose the TFTP action:
 - GET = Copy a file from the remote system to the VPN Concentrator.
 - PUT = Copy a file from the VPN Concentrator to the remote system.
- **TFTP Server** — Enter the IP address or host name of the remote system running the TFTP server. (If you configured a DNS server, you can enter a host name; otherwise, enter an IP address.)
- **TFTP Server File** — Enter the name of the file on the remote system. This filename must conform to naming conventions applicable to the remote system. *Do not include a path*; the configuration of the remote TFTP server determines the location (path) of the file.



Caution

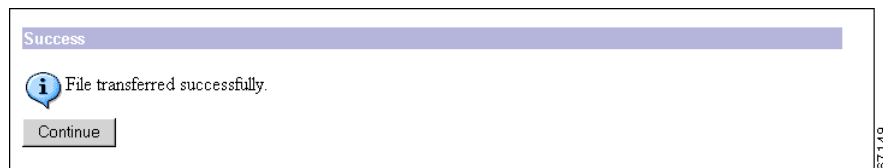
If either filename is the same as an existing file, TFTP overwrites the existing file without asking for confirmation.

- **OK** — Click to transfer the file. The Manager pauses during the transfer, which might take a few moments. *Please wait for the operation to finish*. The Manager then displays either a Success or an Error screen.
- **Cancel** — Click to cancel your settings on this screen. The Manager returns to the main Administration screen.

Success (TFTP)

If the TFTP transfer is successful, the Manager displays a Success screen.

Figure 10-4 Administration | File Management | TFTP Transfer | Success Screen

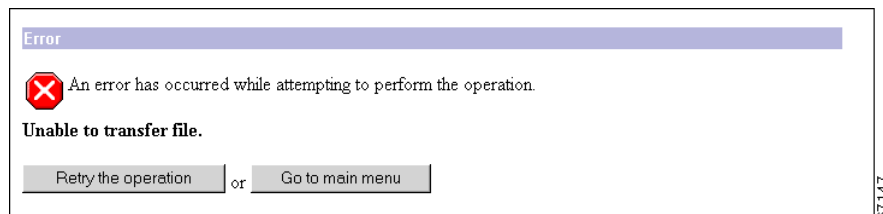


- **Continue** — Click to return to the Administration | File Management | TFTP Transfer screen.

Error (TFTP)

If the TFTP transfer is unsuccessful for any reason—no such file, incorrect action, remote system unreachable, TFTP server not running, incorrect server address, etc.—the Manager displays an Error screen.

Figure 10-5 Administration | File Management | TFTP Transfer | Error Screen



Screen Elements

- **Retry the operation** — Click to return to the Administration | File Management | TFTP Transfer screen.
- **Go to main menu** — Click to go to the main VPN Concentrator Manager screen.

File Upload

This screen lets you use HTTP to transfer a configuration file from your PC—or a system accessible from your PC—to the VPN Concentrator Flash memory.

This function provides special handling for configuration (CONFIG) files. If the uploaded file has the VPN Concentrator filename CONFIG, the system deletes any existing CONFIG.BAK file, renames the existing CONFIG file as CONFIG.BAK, then writes the new CONFIG file. However, these actions occur only if the file transfer is successful, so existing files are not corrupted.

To use these functions, you must have Access Rights to Read/Write Files. See the Administration | Access Rights | [Administrators | Modify Properties](#) screen.

Be sure there is sufficient space in Flash memory for the new file. You can list, view, and manage VPN Concentrator files, and check space available, on the main [Administration | File Management](#) screen.

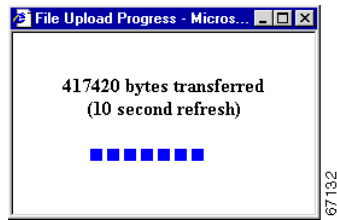
Figure 10-6 Administration | File Management | File Upload Screen

Screen Elements

- **File on the VPN 3000 Concentrator** — Enter the name for the file on the VPN Concentrator. This filename must conform to the 8.3 naming convention. See the previous discussion about special handling for CONFIG files.
- **Local File / Browse...** — Enter the name of the file on your PC. In a Windows environment, enter the complete pathname using MS-DOS syntax, for example: c:\vpn3000\config0077. You can also click the **Browse** button to open a file navigation window, find the file, and select it.
- **Upload** — Click to upload the file to the VPN Concentrator. The Manager opens the File Upload Progress window.
- **Cancel** — Click to cancel your entries on this screen, *or to stop a file upload that is in progress*. The Manager returns to the [Administration | File Management](#) screen.

File Upload Progress

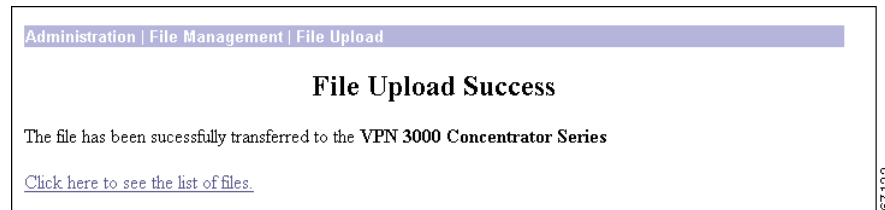
This window shows the progress of the file upload. It refreshes the number of bytes transferred at 10-second intervals.

Figure 10-7 Administration | File Management | File Upload Progress Window

When the upload is finished, or if the upload is cancelled, the progress window closes.

File Upload Success

The Manager displays this screen to confirm that the file upload was successful.

Figure 10-8 Administration | File Management | File Upload Success Screen

To go to the main [Administration | File Management](#) screen and examine files in Flash memory, click the highlighted link.

File Upload Error

The Manager displays this screen if there was an error during the file upload and the transfer was not successful. Flash memory might be full, or the file transfer might have been interrupted or cancelled.

Figure 10-9 Administration | File Management | File Upload Error Screen

Screen Elements

- **Click here to see the list of files**— Click to go to the [Administration | File Management](#) screen and examine space and files in Flash memory.
- **Click here to return to File Upload**— Click to return to the [Administration | File Management | File Upload](#) screen.

XML Export

This screen lets you export the active runtime configuration from the VPN Concentrator to an XML file on the VPN 3000 Concentrator. You can then view, delete, copy, or import this file on the main [Administration | File Management](#) screen.

Figure 10-10 Administration | File Management | XML Export Screen



The screenshot shows a web interface titled "Administration | File Management | XML Export". The main text reads: "This page permits the active runtime configuration to be exported to a file on the VPN 3000 Concentrator. This file may then be viewed under [File Management](#). Enter the filename on the VPN 3000 Concentrator to export the configuration to." Below this text is a label "File Name" followed by a text input field. At the bottom of the form are two buttons: "Export" and "Cancel". A vertical ID number "66225" is visible on the right side of the screenshot.

Screen Elements

- **File Name** — Specify the file name in this field.
- **Export** — Click to save the configuration to the named file.
- **Cancel** — Click if you do not want to save the configuration to the file.