LOADING AN APPLICATION IMAGE USING XMODEM

Introduction

The NetVanta 3000 Series Routers contains 7MB of flash memory to allow multiple copies of both configuration files and application images to be maintained locally on the router for future use. In addition, the NetVanta 3000 Series Routers provide capability to upload and activate application image files from an external source using XMODEM. This DLP provides the instructions for uploading a stored application image for use as the startup image. Application images may be obtained from the ADTRAN website at http://support.adtran.com.

Prerequisite Procedures

Before beginning this procedure, communication to the unit via the console port must be established.

Tools and Materials Required

- Computer with terminal emulation software that contains XMODEM capability
- Appropriate cable to connect terminal to the Console port (customer-provided)

WARNING	*To prevent electrical shock, do not install equipment in a wet location or during a lightning storm.*

NOTE	*ADTRAN suggests that a backup of the current configuration and the current application image be maintained in flash at all times.*

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Perform Steps Below in the Order Listed

To Begin

1. Connect to the unit via the Console interface.

2. Perform back-up operations.

> **NOTE** *If the user wants to continue to use the current configuration and it is not the start-up config, the current configuration should be backed-up prior to upgrading the application image.*

Backup Current Configuration to Flash

1. Enter **copy running-config startup-config** at the Router# prompt to save the current configuration to flash. You will see **Building Configuration… Done. Success!** when the download is complete. The current configuration is now saved as the startup configuration file to be executed by the router at each power-up.

Upload the Application Image Using XMODEM

1. Enter **copy xmodem flash** at the Router# prompt to begin uploading the application image.

2. Enter a filename for the saved image when prompted for the **Destination filename**.

> **NOTE** *Application code filenames will have a .biz extension. ADTRAN suggests that the destination filename be the same as the source filename.*

An example script of the completed steps is shown below:

    copy xmodem flash
    Destination filename? ADTRANOS.biz

Begin the XMODEM transfer now.... displays when the router is ready to receive the image. The character **C** will scroll across the screen to indicate successful router connection.

Begin the XMODEM upload from the terminal emulation software by using the appropriate command sequence. This may take several minutes. If necessary, refer to the terminal emulation software documentation for help. The NetVanta 3000 Series Routers only support application image loads using files provided by ADTRAN. The NetVanta 3000 Series Routers VT-100 console will be inaccessible during the in-band XMODEM data transfer. (The ADTRAN CLI is still available through previously configured telnet

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sessions.) You can cancel the update at any time using the terminal emulation software (refer to the terminal emulation software documentation for more details).

Activate the Application Image

1. Enter **boot system flash <filename>** to select the application image used at power-up.

2. Power cycle the unit or enter **reload** to complete the upgrade process. The new application image will be activated upon power-up.

CAUTION   *Power cycling the unit is service affecting.*