



TECHNICAL SUPPORT NOTE

Introduction to the Utilities Menu in the Web GUI

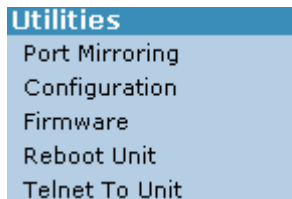
Featuring ADTRAN OS and the Web GUI

Introduction

This Technical Support Note shows the different options available in the Utilities menu of the ADTRAN OS Web GUI.

Utilities

The Utilities menu includes various functions to aid in managing, troubleshooting and accessing the unit.



Port Mirroring

Use this screen to set up Port Mirroring. Select the destination interface that will become a mirror of the selected source ports. Multiple source ports can be selected. Once configured, a protocol analyzer/packet sniffer can be used to view packets that are transmitted and received by the interface. Port mirroring is only available on our NetVanta switch products.

ADTRAN NetVanta 1224STR Save Logout

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Port Mirroring

Use this dialog to set up or edit Port Mirroring. The following table lists all available ports from which data can be sourced. Check the appropriate boxes for each port you wish to mirror data. Click the Apply button to activate the settings.
NOTE: Ports that are part of a Port Channel will not appear in the Destination Port list.

Destination Port
Destination Port: *This port will become a mirror of the selected source port*

Source Ports
Data from the selected ports can be mirrored to the Destination Port. Select transmit data (TX), receive data (RX), or both.

| Port | TX | RX | Both | Port | TX | RX | Both |
|----------|--------------------------|--------------------------|-------------------------------------|--------------|--------------------------|--------------------------|-------------------------------------|
| eth 0/1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/14 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| eth 0/2 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/15 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| eth 0/3 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/16 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| eth 0/4 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/17 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| eth 0/5 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/18 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| eth 0/6 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/19 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| eth 0/7 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/20 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| eth 0/8 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/21 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| eth 0/9 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/22 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| eth 0/10 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/23 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| eth 0/11 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | eth 0/24 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| eth 0/12 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | giga-eth 0/1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| eth 0/13 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |

Select Destination Port

Select TX, RX, or both of the source port to be mirrored

Configuration

Management of configuration files is done from the Configuration menu. Running configuration may be saved to NVRAM, configuration files may be downloaded from the unit, or configurations may be loaded into the NetVanta.

The screenshot shows the configuration interface for a NetVanta 1224STR device. The interface includes a navigation menu on the left and three main configuration panels on the right. The navigation menu is organized into several categories: System, Switch, Router / Bridge, Firewall, VPN, and Utilities. The 'Configuration' option is highlighted under the Utilities category. The three main panels are: 'Save Config', 'Download Config', and 'Upload Config'. Each panel contains a brief instruction and a button to perform the action. Arrows point from the explanatory text on the right to the 'Save', 'Download', and 'Upload' buttons.

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NetVanta 1224STR Save Logout

Save Config

Click 'Save' to write the current configuration to NVRAM. Any changes made without saving will be lost after a power cycle or reboot.

Save

Save current configuration (*startup-config*)

Download Config

Click 'Download' to get the currently saved configuration from the NetVanta.

Download

Save current configuration to PC

Upload Config

Upload your own configuration file for the NetVanta here. This will overwrite the configuration currently saved to NVRAM. You will need to reboot the NetVanta for the changes to take effect.

Upload Config: Browse...

Cancel Upload

Uploading will overwrite your current settings after a reboot.

Upload a previously saved configuration

Firmware

Primary and backup files are specified in the Firmware menu. New files may also be uploaded into NetVanta flash, or deleted from memory.

The screenshot shows the NetVanta 1224STR web interface. The left sidebar contains a navigation menu with categories: System, Switch, Router / Bridge, Firewall, VPN, and Utilities. The main content area displays three firmware-related settings panels:

- Set Primary / Backup Firmware:** This panel includes instructions and two dropdown menus for selecting Primary and Backup firmware files. The Primary Firmware is set to 'N1224RA-08-00-00-E.biz' and the Backup Firmware is set to 'N1224RA-07-03-00-E.biz'. It also shows disk usage (8503264/14500864 Bytes used) and disk free space (5997600 Bytes free). An arrow points to the dropdown menus with the text "Specify primary and backup firmware".
- Upload Firmware:** This panel provides instructions on how to upload a new firmware file. It features a text input field for the filename, a "Browse..." button, and "Cancel" and "Upload" buttons. An arrow points to the "Browse..." button with the text "Upload firmware".
- Delete Firmware:** This panel explains that older versions of firmware may need to be deleted. It includes a dropdown menu to select a firmware file for deletion and "Cancel" and "Delete" buttons. An arrow points to the dropdown menu with the text "Delete firmware".

Reboot

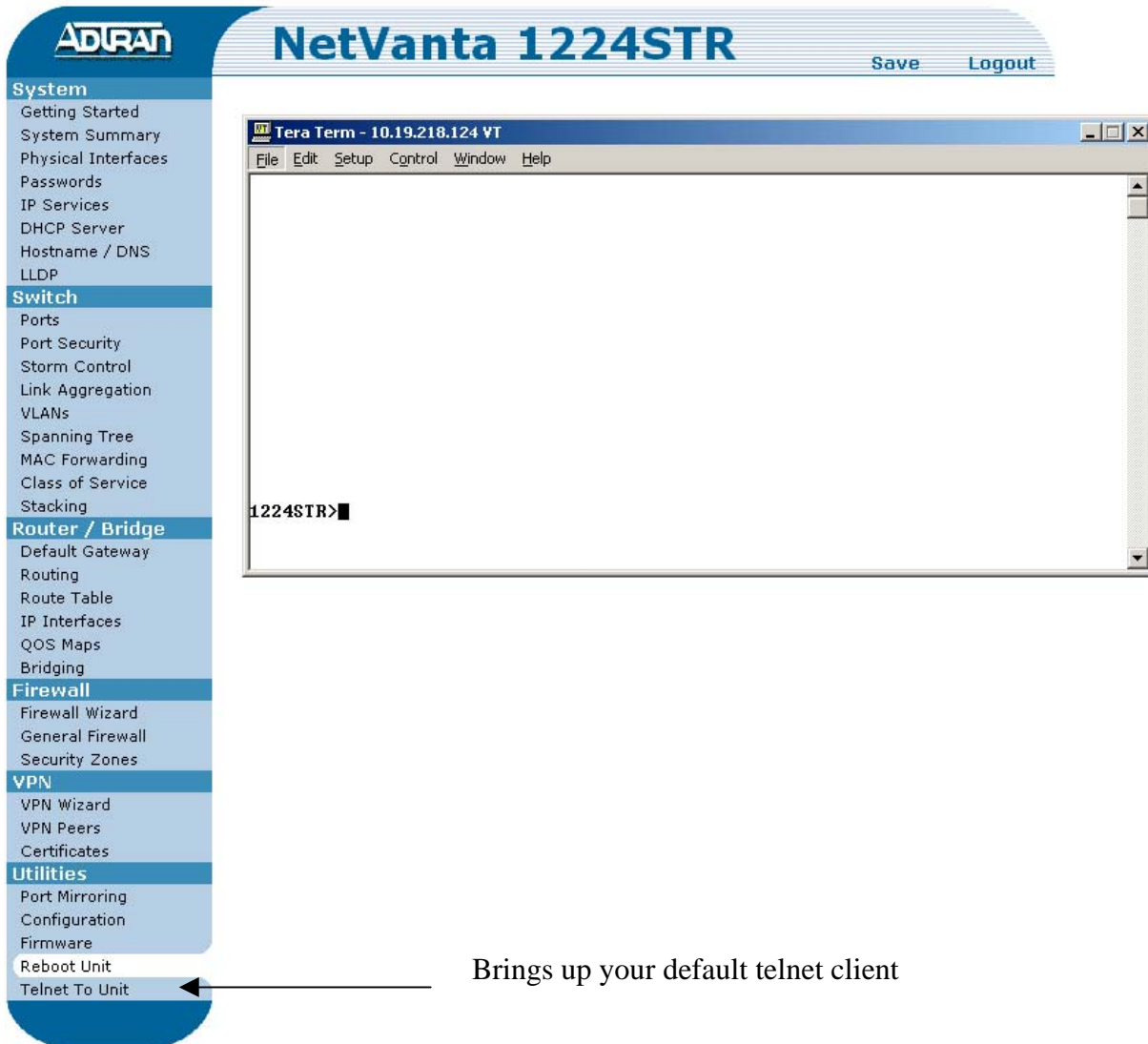
There may be times when you need to reboot the unit remotely. There are two options for rebooting. The Save and Reboot option will first save the running-configuration to startup-configuration. The Reboot (Do Not Save) option will not save the current configuration before rebooting. Rebooting the unit will cause you to lose your HTTP connection. You will need to reconnect to the NetVanta after it has finished rebooting.

The screenshot shows the web interface for a NetVanta 1224STR device. The top navigation bar includes the ADTRAN logo, the device name "NetVanta 1224STR", and "Save" and "Logout" links. A left-hand sidebar menu lists various configuration categories: System, Switch, Router / Bridge, Firewall, VPN, and Utilities. The "Reboot Unit" option under the Utilities section is highlighted. The main content area displays a "Reboot Unit" dialog box with the following text: "Click 'Save and Reboot' to write your current settings to NVRAM and reboot the unit. Click 'Reboot (Do Not Save)' to reboot the unit without saving your current settings. Any changes that have been made since last saving will be lost." Below this text, it states: "Rebooting the unit will temporarily disrupt network traffic. The connection to the unit will be lost while the unit is rebooting. Please wait at least 60 seconds before attempting to restore the connection." At the bottom of the dialog box are two buttons: "Save and Reboot" and "Reboot (Do Not Save)".

* Remember to save your configuration to ensure the settings will not be lost after a restart.

Telnet to Unit

Access the ADTRAN Operating System command line interface through Telnet. The default username is **admin** with a password of **password**.



The image shows the ADTRAN NetVanta 1224STR web interface. On the left is a navigation menu with categories: System, Switch, Router / Bridge, Firewall, VPN, and Utilities. The 'Telnet To Unit' option is highlighted in the Utilities section. An arrow points from the text 'Brings up your default telnet client' to this option. On the right, a Tera Term terminal window is open, displaying the command prompt '1224STR>'.

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Tera Term - 10.19.218.124 VT
File Edit Setup Control Window Help

1224STR>

Brings up your default telnet client