



## Purpose: How to configure the Packet Capture feature

The Packet Capture feature provides NSE administrators with an on-system utility to capture network traffic on each of the NSE network interfaces. The captured network traffic will be accessible for FTP download and viewing on a remote host, in the form of a PCAP-formatted file. (Note that a utility that is capable of reading and displaying PCAP-formatted files, such as Wireshark®, is required in order to view the results).

In this example, a capture on the LAN side of the NSE to show DHCP will be created.

1. Select Packet Capture in the System menu of the NSE.

### Packet Capture Settings

**Note:** Starting a capture clears any captured packets from the interface.

Interface	Capture	Options	Download
WAN	Start	Show	<a href="#">WAN_capture.pcap</a>
LAN	Start	Show	<a href="#">LAN_capture.pcap</a>
AUX	Start	Show	<a href="#">AUX_capture.pcap</a>

2. Choose which Interface you wish to run the capture on. In this example, we will select the LAN interface. Click on Show to bring up the filter screen and enter in the port information for the capture and click OK to save the filter.

### Packet Capture Settings

Filtering parameters for LAN interface

Expression:

Snap Length:

Packet Count:

Circular:

Max Duration:  (hours, between 1 and 240)

Previously used filters -- [clear history](#)



Expression	This defines the filter for the capture
Snap Length	Sets the number of bytes captured in each packet
Packet Count	Sets the number of packets to be captured. When this limit is reached, the capture will stop and the packets will be written to the /flash/ directory of the AG.
Circular	When enabled, it will keep the capture running until stopped. It will capture only the total number of packets set in the packet count, overwriting itself when the number has been reached.
Max Duration	The packet capture will stop at the assigned duration.

3. Click Start to begin the packet capture and then stop if you want to manually stop the capture.
4. To download the captured file, click on the link for the capture you wish to download or you may FTP the file from the /flash/ directory.

**NOTE:** If you download the capture from the web interface, it will be deleted once it has been transferred.