

NX-OS Verification and Troubleshooting Tools



<https://t.me/learningnets>

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NX-OS Logging

- ▷ NX-OS logging is enabled by default, but redirection is not
 - Console cannot log at high severity by default
 - Logs not redirected to VTY sessions by default
- ▷ Enabling logging
 - Global logging monitor <level>
 - Exec terminal monitor
- ▷ Console logging workaround
 - Telnet/ssh to local box from itself
 - Enable terminal monitor

NX-OS SPAN/ERSPAN

▷ Switchport Analyzer (SPAN)

- Used to redirect packets from one local port to another

▷ Encapsulated Remote SPAN

- Used to redirect packets from local port to a GRE tunnel
- ERSPAN destination redirects from GRE tunnel to local port
- Result is that packet capture can be centralized

iPerf

▷ What is iPerf?

- TCP/UDP traffic generator
- Used for active measurements of the maximum achievable bandwidth on IP networks
- More info at <http://software.es.net/iperf/>

▷ Starting the iPerf server

- `iperf3.exe -s`

▷ Starting the iPerf client

- `iperf3.exe -c <server_ip>`

Q&A