

Cisco Nexus 9000 9k debug and diagnostic commands complete cheat sheet (work in progress)

Author: Yuri Slobodyanyuk, <https://www.linkedin.com/in/yurislobodyanyuk/>

Status: Work in progress.

| Command | Description |
|--|---|
| show run interface <port-channel number> membership | List physical interfaces included in the given Port-Channel, e.g. <code>show run int po1 membership</code> |
| show port-channel usage | Show port-channel numbers already in use. |
| show port-channel summary | Display list of all configured Port-Channels with their state, protocol (LACP or None), physical interface members. |
| show vpc role | Role of this peer in vPC, also vPC MAC address, vPC and system priority, local Nexus switch MAC. |
| show vpc brief | Gives verbose info about the vPC (vPC domain stats, vPC peer-link stats, port-channels with active VLANs etc.). |
| show vpc peer-keepalive | Display real-time stats on peering keepalives: last send/receive time, IP of the peer, port and protocol used, vrf for communication. |
| show feature | Show enabled features, make sure FEX is on. |
| show fex [fex-num] [detail] | Show FEX, optionally with details - FEX associated number, state (Online/Offline/Connecting), model, serial number (of the module). If <i>detail</i> , then also show log of the last registration/offline/online of the FEX. |
| show interface fex | In addition to above, show physical interface names (uplinks) where FEX is connected on Nexus and its state. |
| reload fex fex-num | Reload the specified FEX (it should be online for this). |
| show inventory fex fex-num | Show hardware info and serial numbers of the FEX chassis, network module, fans, power supplies. |

| Command | Description |
|--|--|
| show environment fex <i>fex-num</i>/all | Show power consumed, temperature. |
| show int port-channel <i>n</i> fex | Show physical interfaces pinned to a given port-channel. |