

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

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Status: Work in progress.

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

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