

# Fortigate SD-WAN debug and verification commands cheat sheet

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## SD-WAN verification and debug

Command	Description
<b>diagnose sys sdwan health-check</b> (6.4 and newer)	Show state of all the health checks/probes. Successful probes are marked <b>alive</b> , failed probes are marked <b>dead</b> . Also displays <b>packet-loss</b> , <b>latency</b> , <b>jitter</b> for each probe.
<b>diagnose sys virtual-link health-check</b> (5.6 up to 6.4)	
<b>diagnose sys sdwan member</b> (6.4 and newer)	Show list of SD-WAN zone/interface members. Also gives each interface gateway IP (if was set, 0.0.0.0 if not), <b>priority</b> , and <b>weight</b> both by default equal <b>0</b> , used with some SLA Types.
<b>diagnose sys virtual-wan-link member</b>	
<b>diagnose sys sdwan service</b> (6.4 and newer)	List configured SD-WAN rules (aka <b>services</b> ), except the Implied one which is always present and cannot be disabled, but is editable for the default load balancing method used. Shows member interfaces and their status <b>alive</b> or <b>dead</b> for this rule.
<b>diagnose sys virtual-wan-link service</b>	
<b>diag sys sdwan intf-sla-log</b> <interface name> (6.4 and newer)	Print log of <interface name> usage for the last 10 minutes. The statistics shown in bps: <b>inbandwidth</b> , <b>outbandwidth</b> , <b>bibandwidth</b> , <b>tx bytes</b> , <b>rx bytes</b> .
<b>diag sys virtual-wan-link intf-sla-log</b> <interface name>	
<b>diag netlink interface clear</b> <interface name>	Clear traffic statistics on the interface, this resets statistics of the SD-WAN traffic passing over this interface. Needed, if, for example, you changed SD-WAN rules, but not sure if it's already active. E.g. <b>diag netlink interface clear port1</b> .
<b>diagnose firewall proute list</b>	List ALL Policy Based Routes (PBR). SD-WAN in Fortigate, after all, is implemented as a variation of PBR. This command lists manual (classic) PBR rules, along with SD-WAN created via SD-WAN rules. <b>Important:</b> Manually created PBR rules (via <b>Network</b> → <b>Policy Routes</b> or on CLI <b>config route policy</b> always have preference over the SD-WAN rules, and this command will show them higher up.