

WAN Report

WAN Report

The WAN report displays the WAN Link performance for selected nodes. As of version 3.0.4, selection by interface is not supported and by default all interfaces being collected of selected nodes whose network type is "wan" are processed, this can be expanded to other network types by changing configuration option wan_nettypes in opCommon.nmis to include the required network types, changing this to "." (period) will apply to all network types.

Node details displayed are: status, conditions, actions, device, availability and response time.

For each interface on the node, the following are displayed: interface, speed, average utilisation, maximum utilisation, average inbound errors (in %), average outbound errors (in %), average inbound discards (in %), average outbound discards (in %), average inbound utilisation (in %), average outbound utilisation (in %), maximum inbound utilisation (in %), maximum outbound utilisation (in %).

The WAN report health rules are configurable (section oreport_rules) and the report type supports customisable detail levels for the display.

Exception Reporting

From opReports 4.5.1, a Show Exceptions Only option is available on the Layout tab of the report. In Show Exceptions Only mode, only the records where the wan_error_exception_threshold or wan_discards_exception_threshold or wanutil_exception_threshold is exceeded are displayed. These are documented in supports customisable detail levels.

Example

The screen shot below is a view of the report where the WAN Report Level is set to default. The full report can be viewed by downloading the ZIP file [Here](#)

Charlotte																			
Status	Conditions	Actions	Device	Availability	Response Time	Interfaces													
	1: WAN link has acceptable utilisation	1: WAN utilisation is OK	char-router1	100.000	1.599	Interface	Description	Speed	Avg. Util	Max. Util	Avg. In Errors%	Avg. Out Errors%	Avg. In Discards%	Avg. Out Discards%	Avg. In Util%	Avg. Out Util%	Max. In Util%	Max. Out Util%	
							DMZ towards office LAN	100 Mbps	0.48%	8.91%	0.00%	0.00%	0.00%	0.00%	0.10%	0.49%	2.82%	8.01%	
							OnTheNet WAN Link	100 Mbps	0.48%	8.91%	0.00%	0.00%	0.00%	0.00%	0.48%	0.09%	8.01%	2.81%	
	1: Router has VERY LOW interface availability 2: WAN link has acceptable utilisation	1: Investigate device and carrier for interface problems 2: WAN utilisation is OK	char-server1	50.001	0.754	Interface	Description	Speed	Avg. Util	Max. Util	Avg. In Errors%	Avg. Out Errors%	Avg. In Discards%	Avg. Out Discards%	Avg. In Util%	Avg. Out Util%	Max. In Util%	Max. Out Util%	
							Intel(R) PRO1000 MT Network Connection	1 Gbps	0.00%	0.00%	N/A	N/A	N/A	N/A	0.00%	0.02%	0.00%	0.03%	
							Check Point Virtual Network Adapter For SSL Network Extender	1 Gbps	0.00%	0.00%	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%	
	1: WAN link has acceptable utilisation	1: WAN utilisation is OK	char-switch1	100.000	1.448	Interface	Description	Speed	Avg. Util	Max. Util	Avg. In Errors%	Avg. Out Errors%	Avg. In Discards%	Avg. Out Discards%	Avg. In Util%	Avg. Out Util%	Max. In Util%	Max. Out Util%	
							eris second interface	1 Gbps	0.00%	0.19%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.06%	0.16%	
							GigabitEthernet1/0/1/24: port 1	1 Gbps	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
							DMZ DMZ Subnet	100 Mbps	0.00%	7.99%	0.00%	0.00%	0.00%	0.00%	0.10%	0.49%	2.83%	7.99%	
							GigabitEthernet1/0/24: remote access card	100 Mbps	0.00%	0.00%	N/A	0.00%	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	
							DMZ DMZ Subnet	100 Mbps	0.49%	7.99%	0.00%	0.00%	0.00%	0.00%	0.49%	0.10%	7.99%	2.83%	
							asgard router asgard	100 Mbps	0.01%	7.94%	0.00%	0.00%	0.00%	0.00%	0.01%	0.11%	7.94%	2.83%	
							router asgard	1 Gbps	0.01%	0.68%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.68%	0.31%	
							SiF	1 Gbps	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.06%	0.06%	0.82%	
							Magni	1 Gbps	0.01%	0.27%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.27%	0.27%	
							GigabitEthernet1/0/5:Er	1 Gbps	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
							Qdm Mk.2	1 Gbps	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.04%	0.01%	
	GigabitEthernet1/0/7:Odm Mk.2 second interface	1 Gbps	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
DataCenter																			
Status	Conditions	Actions	Device	Availability	Response Time	Interfaces													
	1: WAN link has acceptable utilisation	1: WAN utilisation is OK	eris	100.000	0.457	Interface	Description	Speed	Avg. Util	Max. Util	Avg. In Errors%	Avg. Out Errors%	Avg. In Discards%	Avg. Out Discards%	Avg. In Util%	Avg. Out Util%	Max. In Util%	Max. Out Util%	
							Link Aggregation Management Network on switch: vSwitch0 load	1 Gbps	0.00%	0.18%	N/A	N/A	N/A	N/A	N/A	0.01%	0.02%	0.16%	0.06%
							balancing algorithm: source port id hash	1 Gbps	0.00%	0.00%	N/A	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%
							vSwitch0:Traditional Virtual VMware switch: vSwitch0	1 Gbps	0.00%	0.00%	N/A	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%
							Virtual interface: vmk0 on vswitch vSwitch0 portgroup: Management	1 Gbps	0.00%	0.00%	N/A	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%
							Device vmnic0 at 01:00:00:00:00:00	1 Gbps	0.00%	0.18%	N/A	N/A	N/A	N/A	N/A	0.01%	0.02%	0.16%	0.06%
							Device vmnic1 at 05:00:00:00:00:00	1 Gbps	0.00%	0.00%	N/A	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%

To set the WAN Report to display full details, click the drop-down menu from the Create On-Demand Report documented below.

Create On-Demand Report

Report Description (optional) Description of the report

Report Type Node Report

Node Selection All Active Nodes

Start Date/Time now - 7 days ?

End Date/Time now ?

From Hours ? 0

To Hours ? 24

Days ? Mon-Sun

Formats ☒ HTML ☒ CSV ☒ XLSX

Report Name (Optional) Report Name ?

Node Name Display Plain Node Name ?

Interface Display Interface Description ?

Include Embedded Graphs ☒

Custom Report Title (Optional) Custom Report Title ?

Exceptions Report ☐ Exceptions Only (Health Report)

WAN Report Level

Default
Full Detail

Show Util Thresholds ☒

Show only Util ☐

Utilisation Threshold 80 %

Min Over-Threshold Count 1

Show 95th Percentile Combined In and Out Utilisation ?

Authorised Viewers

Generate **Cancel**

Advanced Options

When the WAN Report Level is set to Full Detail the report looks similar to the one below. The full report can be viewed by downloading the ZIP file [Here](#)

opReports 3.0.14										Modules - Help - User: rmls															
WAN Report																				HTML CSV XLSX ZIP Email Details					
Coverage: 7 day(s), from 2017-09-30T03:38:55 to 2017-10-07T03:38:55 AEST Generated: 2017-10-07T03:39:43 AEST																									
Branches																									
Status	Conditions	Actions	Device	Availability	Response Time	Interfaces																			
Interface	Description	Speed	Avg Util	Max Util	Avg In Error/s	Avg Out Error/s	Avg In Discard/s	Avg Out Discard/s	Avg In Util%	Avg Out Util%	Max In Util%	Max Out Util%	95th% In Util	95th% Out Util	In Util Exc.	Out Util Exc.	Max In Error/s	Max Out Error/s	In Error Exc.	Out Error Exc.	Max In Discard/s	Max Out Discard/s	In Discard Exc.	Out Discard Exc.	
1: WAN link has acceptable utilisation 2: WAN link has VERY HIGH utilisation	Escalate to the Cloud Back	1000 Mbps	24.00%	186.00%	0.00%	0.00%	0.00%	0.00%	24.20%	12.17%	196.00%	85.00%	126.99%	87.82%	262	113	0.00%	0.00%	0	0	0.00%	22.50%	0	150	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
1: WAN link has acceptable utilisation	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	
	Escalate to the Cloud Back	100 Mbps	1.25%	9.39%	0.00%	0.00%	0.00%	0.00%	0.01%	1.00%	1.10%	9.39%	0.01%	7.89%	0	0	0.00%	0.00%	0	0	0.00%	0.00%	0	0	

Notice the Full Details report gives quite a few more details:

95th% In Util	95th% Out Util	In Util Exc.	Out Util Exc.	Max In Errors%	Max Out Errors%	In Error Exc.	Out Error Exc.	Max In Discards%	Max Out Discards%	In Discard Exc.	Out Discard Exc.
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Formula used for Calculation

Maximum and Average input and output utilisation is calculated for the interface. The larger of maximum and average input and output utilisation is used in formula.

Link Availability = Condition: "Router has LOW interface availability"

Action: Investigate carrier for interface problems

Interface availability less than 99.9%

Link Availability = Condition: "Router has VERY LOW interface availability"

Action: Investigate carrier for interface problems

Interface availability less than 95%

Over-utilised Links = Condition: "WAN link has VERY HIGH utilisation"

Action: Investigate WAN Upgrade Urgently

Average link utilisation is above 80% average utilisation

Over-utilised Links = Condition: "WAN link has HIGH utilisation"

Action: Investigate WAN Upgrade

Average link utilisation is above 65% average utilisation

Links Considered Normal = Condition: "WAN link has acceptable utilisation"

Action: WAN utilisation is OK

Average link utilisation is less than 65%

Input and/or Output Errors = Condition: "WAN link has input/output errors"

Action: Investigate cause of interface errors, likely transmission

Error rates higher than 1% of input or output packets

Input and/or Output Discards = Condition: "WAN link has input/output discards"

Action: Investigate cause of interface discards, likely related to QoS or buffer overruns.

Discard rates higher than 1% of input or output packets