

ONES Apps API Reference - Expanded

Aviz Networks - Open Networking Enterprise Suite (ONES)

Base URL: demo.aviznetworks.com/api | Version: v4.1.0 | OAS 2.0

Common API Patterns

Feature	Description / Format
Response Codes	<ul style="list-style-type: none"> • 200 OK: Request successful. • 401 Unauthorized: Authentication token missing or invalid. • 403 Forbidden: Sufficient permissions not available. • 500 Internal Server Error: Server-side processing failure.
GET Parameters	filter (query): JSON string format for filtering by network attributes. Example: {"layer":["spine","leaf"],"region":["region1","region2"]}
POST Parameters	Body (JSON object): Request data in JSON format. Content-Type: application/json

Complete API List

#	Method	API Endpoint	Description & Parameters
USER			
1	POST	/user/login	Auth token generation. Params: obj (body) (username, password, extendedExpiry) Responses: 200, 401
HEALTH			
2	GET	/health/DeviceList	Device health metrics and status. Params: filter (query) Responses: 200, 401, 403, 500
3	GET	/health/cpuutil	CPU utilization across devices. Params: filter (query) Responses: 200, 401, 403, 500
4	GET	/health/memutil	Memory utilization statistics. Params: filter (query) Responses: 200, 401, 403, 500
5	GET	/health/upDownDevicesCount	Count of devices in UP/DOWN state. Params: filter (query) Responses: 200, 401, 403, 500
6	GET	/health/servicesrunning	Active services on each device. Params: filter (query) Responses: 200, 401, 403, 500
7	GET	/health/cpucoretemp	Per-core CPU temperatures. Params: filter (query) Responses: 200, 401, 403, 500
8	GET	/health/psutemperature	PSU sensor data. Params: filter (query) Responses: 200, 401, 403, 500
9	GET	/health/psuvoltage	Voltage readings from PSUs. Params: filter (query) Responses: 200, 401, 403, 500
10	GET	/health/fanspeed	Device fan speed (RPM). Params: filter (query) Responses: 200, 401, 403, 500
11	GET	/health/psucurrent	PSU current draw measurements. Params: filter (query) Responses: 200, 401, 403, 500
12	GET	/health/psupower	PSU power consumption (Watts). Params: filter (query) Responses: 200, 401, 403, 500
13	GET	/health/servicescpu	Per-service CPU utilization. Params: filter (query) Responses: 200, 401, 403, 500
14	GET	/health/servicesmemory	Per-service memory consumption. Params: filter (query) Responses: 200, 401, 403, 500
15	GET	/health/faultypsus	Faulty PSUs detected. Params: filter (query) Responses: 200, 401, 403, 500
16	GET	/health/device-faulty-fans	Faulty or missing fans. Params: filter (query) Responses: 200, 401, 403, 500
17	GET	/health/mega	Aggregated health metrics. Params: filter (query) Responses: 200, 401, 403, 500
18	GET	/health/fabricWiseHealth	Health metrics per fabric. Params: filter (query) Responses: 200, 401, 403, 500
19	GET	/health/links/transceivers	Transceiver health on links. Params: filter (query) Responses: 200, 401, 403, 500
INVENTORY			
20	GET	/inventory/linkStatus	Up/down status for all links. Params: filter (query) Responses: 200, 401, 403, 500
21	GET	/inventory/regionList	Configured network regions. Params: filter (query) Responses: 200, 401, 403, 500
22	GET	/inventory/FMAgentVersionList	Fabric Manager agent versions. Params: filter (query) Responses: 200, 401, 403, 500
23	GET	/inventory/transceiverTempList	Transceiver temperature readings. Params: filter (query) Responses: 200, 401, 403, 500
24	GET	/inventory/transceiverVoltageList	Transceiver voltage measurements. Params: filter (query) Responses: 200, 401, 403, 500
25	GET	/inventory/Roles	Device roles in fabric. Params: filter (query) Responses: 200, 401, 403, 500
26	GET	/inventory/SwitchSKUs	Hardware SKUs/models. Params: filter (query) Responses: 200, 401, 403, 500
27	GET	/inventory/ASICs	ASIC types used in devices. Params: filter (query) Responses: 200, 401, 403, 500
28	GET	/inventory/switchVendors	Hardware vendors for switches. Params: filter (query) Responses: 200, 401, 403, 500
29	GET	/inventory/AgentsVersion	Monitoring agent versions. Params: filter (query) Responses: 200, 401, 403, 500
30	GET	/inventory/NOSVersion	SONIC / NOS versions. Params: filter (query)

			Responses: 200, 401, 403, 500
31	GET	/inventory/LinuxVersion	Linux kernel versions. Params: filter (query) Responses: 200, 401, 403, 500
32	GET	/inventory/ONIEVersion	ONIE firmware versions. Params: filter (query) Responses: 200, 401, 403, 500
33	GET	/inventory/Cabling	Physical cabling connections. Params: filter (query) Responses: 200, 401, 403, 500
34	GET	/inventory/Agents	Monitoring agents metadata. Params: filter (query) Responses: 200, 401, 403, 500
35	GET	/inventory/Devices	Full device inventory. Params: filter (query) Responses: 200, 401, 403, 500
36	GET	/inventory/DeviceIpTrans	IP and transceiver mapping. Params: filter (query) Responses: 200, 401, 403, 500
37	GET	/inventory/Devices/qosOnly	Devices with QoS config. Params: filter (query) Responses: 200, 401, 403, 500
38	GET	/inventory/Devices/count	Total managed devices count. Params: filter (query) Responses: 200, 401, 403, 500
39	GET	/inventory/Devices/interfaces	All device interfaces. Params: filter (query) Responses: 200, 401, 403, 500
40	GET	/inventory/Devices/peripherals	Hardware peripherals. Params: filter (query) Responses: 200, 401, 403, 500
41	GET	/inventory/Devices/device	Specific device config details. Params: filter (query) Responses: 200, 401, 403, 500
42	GET	/inventory/minizip-test	Minizip compression test. Params: None Responses: 200, 500
43	GET	/inventory/softwareMega	Full software inventory. Params: filter (query) Responses: 200, 401, 403, 500
44	GET	/inventory/interfaceMega	Full interface inventory. Params: filter (query) Responses: 200, 401, 403, 500
45	GET	/inventory/hardwareMega	Full hardware inventory. Params: filter (query) Responses: 200, 401, 403, 500
46	GET	/inventory/componentMega	Aggregated component details. Params: filter (query) Responses: 200, 401, 403, 500
47	GET	/inventory/links/transceivers	Transceiver details for links. Params: filter (query) Responses: 200, 401, 403, 500
48	GET	/inventory/gpu-info	GPU hardware info. Params: filter (query) Responses: 200, 401, 403, 500
49	GET	/inventory/nic-info	NIC details from devices. Params: filter (query) Responses: 200, 401, 403, 500
50	GET	/inventory/device-details	Comprehensive hardware details. Params: filter (query) Responses: 200, 401, 403, 500
51	GET	/inventory/inv-details-orchest	Inventory for orchestration. Params: filter (query) Responses: 200, 401, 403, 500
52	POST	/inventory/dockerInfo	Docker inventory from devices. Params: filter (query) Responses: 200, 401, 403, 500
53	GET	/inventory/transceiverInfo	Optical transceiver specs. Params: filter (query) Responses: 200, 401, 403, 500
TOPOLOGY			
54	GET	/Topologies/graphV2	Topology graph (v2). Params: filter (query) Responses: 200, 401, 403, 500
55	GET	/Topologies/device-filter-data	Dimensions for device filter. Params: None Responses: 200, 401
56	GET	/Topologies/link-filter-data	Options for link topology view. Params: None Responses: 200, 401
57	GET	/Topologies/link-info	Status for all network links. Params: filter (query) Responses: 200, 401, 403, 500
58	GET	/Topologies/graph-static	Static topology graph. Params: None Responses: 200, 401
59	GET	/Topologies/graph-static-v3	Static topology (v3). Params: None Responses: 200, 401
60	GET	/Topologies/filter-data-v3	Filter options (v3). Params: None Responses: 200, 401
61	GET	/Topologies/fabric-summary	Fabric summary statistics. Params: None Responses: 200, 401
TRAFFIC			
62	GET	/Traffic/is-interf-pfc-enabled	PFC status on interface. Params: filter (query) Responses: 200, 401, 403, 500
63	GET	/Traffic/trafficList	Throughput stats on interfaces. Params: filter (query) Responses: 200, 401, 403, 500
64	GET	/Traffic/getInterfaceDetails	Per-interface rate data. Params: filter (query) Responses: 200, 401, 403, 500
65	GET	/Traffic/interfaceDetails	Detailed interface traffic. Params: filter (query) Responses: 200, 401, 403, 500
66	GET	/Traffic/getInputOutputPackets	Ingress/egress packet counts. Params: filter (query) Responses: 200, 401, 403, 500
67	GET	/Traffic/interface-stats	Interface traffic statistics. Params: filter (query) Responses: 200, 401, 403, 500
68	GET	/Traffic/inputOutputErrors	Traffic error frame counts. Params: filter (query) Responses: 200, 401, 403, 500
69	GET	/Traffic/inputOutputDiscards	Discard packet statistics. Params: filter (query) Responses: 200, 401, 403, 500
70	GET	/Traffic/unicastQueuePackates	Unicast egress queue counts. Params: filter (query)

			Responses: 200, 401, 403, 500
71	GET	/Traffic/normalFrames	Normal-size frame stats. Params: filter (query) Responses: 200, 401, 403, 500
72	GET	/Traffic/jumboFrames	Jumbo frame statistics. Params: filter (query) Responses: 200, 401, 403, 500
73	GET	/Traffic/util	Interface utilization %. Params: filter (query) Responses: 200, 401, 403, 500
74	GET	/Traffic/unicastQueueDrops	Queue drop counters. Params: filter (query) Responses: 200, 401, 403, 500
75	GET	/Traffic/bumPackets_in	Ingress BUM packet stats. Params: filter (query) Responses: 200, 401, 403, 500
76	GET	/Traffic/bumPackets_out	Egress BUM packet stats. Params: filter (query) Responses: 200, 401, 403, 500
77	GET	/Traffic/trafficMega	Full traffic statistics. Params: filter (query) Responses: 200, 401, 403, 500
78	GET	/Traffic/counters	Raw traffic counters. Params: filter (query) Responses: 200, 401, 403, 500
79	GET	/Traffic/priorityMapping	Traffic class priority mapping. Params: filter (query) Responses: 200, 401, 403, 500
80	GET	/Traffic/roceTxPPS	RoCE transmit packets/sec. Params: filter (query) Responses: 200, 401, 403, 500
81	GET	/Traffic/roceDropCounters	RoCE packet drop counters. Params: filter (query) Responses: 200, 401, 403, 500
82	GET	/Traffic/roceCounterRate	RoCE counter rate change. Params: filter (query) Responses: 200, 401, 403, 500
83	GET	/Traffic/getRoCEdevices	RDMA over Ethernet devices. Params: filter (query) Responses: 200, 401, 403, 500
PROTOCOLS			
84	GET	/Protocols/bgp	BGP session status. Params: filter (query) Responses: 200, 401, 403, 500
85	GET	/Protocols/bgp/bgpnbrs	BGP neighbor peering. Params: filter (query) Responses: 200, 401, 403, 500
86	GET	/Control-plane/vxlan	VXLAN configuration. Params: filter (query) Responses: 200, 401, 403, 500
87	GET	/Control-plane/mclag	MCLAG configuration. Params: filter (query) Responses: 200, 401, 403, 500
88	GET	/Control-plane/lacp	LACP bond status. Params: filter (query) Responses: 200, 401, 403, 500
UTILIZATION			
89	GET	/utilization/ipv4routes	IPv4 table utilization. Params: filter (query) Responses: 200, 401, 403, 500
90	GET	/utilization/ipv6routes	IPv6 table utilization. Params: filter (query) Responses: 200, 401, 403, 500
91	GET	/utilization/acls	ACL rule utilization. Params: filter (query) Responses: 200, 401, 403, 500
GPU - MONITORING			
92	POST	/inventory/gpuStats	GPU performance for AI. Params: filter (query) Responses: 200, 401, 403, 500
FABRIC - OVERVIEW			
93	GET	/inventory/Devices/fabrics	Fabrics and members list. Params: filter (query) Responses: 200, 401, 403, 500
TRAFFIC - ROCE			
94	GET	/Traffic/trafficRoCEMega	RoCE traffic aggregated. Params: filter (query) Responses: 200, 401, 403, 500
TRAFFIC - DEVICE CONFIG			
95	GET	/Traffic/trafficscheduler	Queue configuration. Params: filter (query) Responses: 200, 401, 403, 500
96	GET	/Traffic/trafficwred	WRED drop profile. Params: filter (query) Responses: 200, 401, 403, 500
97	GET	/Traffic/traffic_tc_to_pg	Class to priority group mapping. Params: filter (query) Responses: 200, 401, 403, 500
98	GET	/Traffic/traffic_tc_to_queue	Class to queue mapping. Params: filter (query) Responses: 200, 401, 403, 500
99	GET	/Traffic/traffic_dscp_to_tc	DSCP to class mapping. Params: filter (query) Responses: 200, 401, 403, 500
100	GET	/Traffic/traffic_qos_info	Full QoS configuration. Params: filter (query) Responses: 200, 401, 403, 500
101	GET	/Traffic/traffic_pfc_watchdog	PFC watchdog settings. Params: filter (query) Responses: 200, 401, 403, 500
102	GET	/Traffic/traffic_dot1p_to_tc	802.1p CoS mapping. Params: filter (query) Responses: 200, 401, 403, 500
103	GET	/Traffic/traffic_ifname_roce	RoCE interface names. Params: filter (query) Responses: 200, 401, 403, 500
TRAFFIC - UTILIZATION			
104	POST	/Traffic/trafficUtilizationOfInterfaces	Interface utilization stats. Params: filter (query) Responses: 200, 401, 403, 500