

Supported SNMP MIBs

The Viptela software supports the MIBs listed in the table below.

For information about downloading these MIB files, see the [release notes](#) for your software release.

MIB	Description
Standard MIBs	
Interface MIB (IF-MIB)	Objects related to device interfaces, including the number of interfaces present on the device and a table of interface properties, status, and statistics. The values returned are similar to those in the show interface CLI command and the Interface Detail optio in the vManage Monitor ► Network ► Real Time screen.
System MIB (SNMPv2-MIB)	Systemwide properties of the device, such as description, name, and location. The values returned are similar to those in the show system status CLI command and the System Information and System Status options in the vManage Monitor ► Network ► Real Time screen.
Enterprise MIBs	
Application-aware routing (VIPTELA-APP-ROUTE.mib)	Operational data related to application-aware routing. The values returned are similar to those in the show app-route stats and show app-route sla-class CLI commands, and the App Routes Statistics and App Routes SLA Class options in the vManage Monitor ► Network ► Real Time screen.
BFD (VIPTELA-BFD.mib)	Operational data related to the Bidirectional Forwarding Protocol (BFD). The values returned are similar to those in the show bfd history , show bfd sessions , and show bfd summary CLI commands, and the BFD History, BFD Sessions, and BFD Summary options in the vManage Monitor ► Network ► Real Time screen.
BGP (VIPTELA-OPER-BGP.mib)	Operational data related to BGP. The values returned are similar to those in the show bgp neighbor , show bgp routes , and show bgp summary CLI commands, and the BGP Neighbors, BGP Routes, and BGP Summary options in the vManage Monitor ► Network ► Real Time screen.
Bridging (VIPTELA-BRIDGE.mib)	Operational data related to bridging. The values returned are similar to those in the show bridge interface , show bridge mac , and show bridge table CLI commands, and the Bridge Interface, Bridge MAC, and Bridge Table options in the vManage Monitor ► Network ► Real Time screen.
Hardware (VIPTELA-HARDWARE.mib)	Operational data related to Viptela hardware devices. The values returned are similar to those in the show hardware alarms , show hardware environment , show hardware inventory , and show hardware temperature-thresholds CLI commands, and the Hardware Alarms, Hardware Environment, Hardware Inventory, and Hardware Temperature Thresholds options in the vManage Monitor ► Network ► Real Time screen.
Multicast and PIM (VIPTELA-OPER-MULTICAST.mib)	Operational data related to PIM and other multicast protocols. The values returned are similar to those in the show igmp groups , show igmp interface , show igmp statistics , show igmp summary , show multicast rpf , show multicast topology , show multicast replicator , show multicast tunnel , show pim interface , show pim neighbor , show pim rp-mapping , and show pim statistics command, and the various IGMP, Multicast, and PIM options in the vManage Monitor ► Network ► Real Time screen.
OMP (VIPTELA-OMP.mib)	Operational data related to Overlay Management Protocol (OMP). The values returned are similar to those in the show omp multicast-auto-discover , show omp multicast-routes , show omp routes , show omp services , show omp summary , and show omp tlcls CLI commands, and the OMP options in the vManage



MIB	Description
	Monitor ► Network ► Real Time screen.
OSPF (VIPTELA-OPER-OSPF.mib)	Operational data related to OSPF. The values returned are similar to those in the show ospf database , show ospf database-summary , show ospf interface , show ospf neighbor , show ospf process , and show ospf routes CLI commands, and the various OSPF options in the vManage Monitor ► Network ► Real Time screen.
Policy (VIPTELA-POLICY.mib)	Operational data related to policy, access lists, and policers. The values returned are similar to those in the show policers , show policy access-list-associations , show policy access-list-counters , show policy access-list-names , show policy access-list-policers , show policy app-route-policy-filter , show policy data-policy-filter , show policy from-vsmart , show policy qos-map-info , show policy qos-scheduler-info , and show policy rewrite-associations CLI commands, and the Policer Information and various Policy options in the vManage Monitor ► Network ► Real Time screen.
Security (VIPTELA-SECURITY.mib)	Operational data related to control plane and data plane security. The values returned are similar to those in the show control affinity status , show control connections , show control connections-history , show control local-properties , show control statistics , show control summary , show control valid-vedges , show control valid-vsmarts , show ipsec inbound-connections , show ipsec local-sa , show ipsec outbound-connections , show orchestrator connections , show orchestrator connections-history , show orchestrator local-properties , show orchestrator statistics , show orchestrator summary , show orchestrator valid-vedges , show orchestrator valid-vsmarts , show tunnel gre-keepalives , show tunnel statistics , and show ztp entries CLI commands, and the Control, IPsec, Tunnel GRE Keepalives, and Tunnel Statistics options in the vManage Monitor ► Network ► Real Time screen.
SNMP traps (VIPTELA-TRAPS.mib)	SNMP notifications and traps.
System (VIPTELA-OPER-SYSTEM.mib)	Operational data related to the device's overall system status. The values returned are similar to those in the show aaa usergroup , show crash , show ntp associations , show ntp peer , show reboot history , show software , show system statistics , show system status , show transport connection , and show users , and the Crash Log, NTP Associations, NTP Peers, Reboot History, Software Versions, System Information, System Status, Transport Connections, and Users options in the vManage Monitor ► Network ► Real Time screen.
VPNs (VIPTELA-OPER-VPN.mib)	Operational data related to VPN-specific functions, including cflowd, deep packet inspection (DPI), DHCP, interfaces, routing tables, NAT interfaces, PPPoE and PPP interfaces, and VRRP. The values returned are similar to those in the show app cflowd collector , show app cflowd flows , show app cflowd statistics , show arp , show app dpi applications , show app dpi flows , show app dpi supported-applications , show app dpi summary statistics , show dhcp interface , show dhcp server , show interface , show interface sfp detail , show interface sfp diagnostic , show ip fib , show ip mfib oil , show ip mfib stats , show ip mfib summary , show ip nat filter , show ip nat interface , show ip nat interface-statistics , show ip routes , show pppoe session , show pppoe statistics , show ppp interface , and show vrrp CLI commands, and the Cflowd, DPI, DHCP, Interface, IP, NAT, PPP, PPPoE, and VRRP options in the vManage Monitor ► Network ► Real Time screen.
Wireless WANs (VIPTELA-WWAN.mib)	Operational data related to cellular interfaces. The values returned are similar to those in the show cellular modem , show cellular network , show cellular profiles , show cellular radio , show cellular sessions , and show cellular status CLI commands, and the various Cellular options in the vManage Monitor ► Network ► Real Time screen.



For information about downloading these MIB files, see the [release notes](#) for your software release.

Additional Information

[Configuring SNMP](#)

[System and Interfaces Overview](#)

