



CHAPTER 9

Support Information for Cisco DataCentre

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco datacentre in Cisco Prime Network 3.9.

- [Cisco UCS 61xx Series Switches, page 9-1](#)
- [Supported Technologies on Cisco DataCentre, page 9-4](#)



Note

For more information about the technologies described in this chapter, see Part 2 Technology Support.

Cisco UCS 61xx Series Switches

This section includes the following information about Cisco UCS 6120 datacentre (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco UCS 61xx Series Switches](#)):

- [Cisco UCS 6120—Supported Software Versions, page 9-1](#)
- [Cisco UCS 6120—Supported Modules, page 9-2](#)
- [Cisco UCS 6120—Supported Technologies, page 9-3](#)
- [Cisco UCS 6120—Supported Service Events, page 9-3](#)

Cisco UCS 6120—Supported Software Versions

Table 9-1 Supported Software Versions for Cisco UCS 6120—Cisco Prime Network 3.9

Software Version	Product_Version
NX-OS 4.2(1)N1(1.1j)	Prime Network 3.9

Cisco UCS 6120—Supported Modules

Table 9-2 Supported Modules for Cisco UCS 6120—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
N20-I6584	Prime Network 3.9	UCS 2104XP Fabric Extender/4 external 10Gb ports
N20-AC0002	Prime Network 3.9	Cisco N20-AC0002 UCS M81KR Virtual Interface Card/PCIe/2-port 10Gb
N20-FAN5	Prime Network 3.9	Fan module for UCS 5108
N10-FAN1	Prime Network 3.9	Fan module for UCS 6120XP Fabric Interconnect
N10-S6100-SUP	Prime Network 3.9	UCS 6100 Series Fabric Interconnect 20x10GE/Supervisor
N10-E0060	Prime Network 3.9	20x10GE/Supervisor
N10-S6100	Prime Network 3.9	UCS 6100 Series Fabric Interconnect
N10-E0080	Prime Network 3.9	Cisco N10-E0080 UCS 6100 8-Port 4Gb Fibre Channel Expansion module, SFP-uplink
N20-B6620-1	Prime Network 3.9	UCS B200 M1 Blade Server w/o CPU, memory, HDD, mezzanine
N20-B6620-2	Prime Network 3.9	UCS B250 M1 Blade Server w/o CPU, memory, HDD, mezzanine
N20-AQ0002	Prime Network 3.9	UCS M71KR-Q QLogic Converged Network Adapter/PCIe/2port 10Gb
N20-B6625-1	Prime Network 3.9	UCS B200 M2 Blade Server w/o CPU, memory, HDD, mezzanine
N20-PAC5-2500W	Prime Network 3.9	2500W power supply unit for UCS 5108

Table 9-2 Supported Modules for Cisco UCS 6120—Cisco Prime Network 3.9 (continued)

Module Name	Product_V ersion	Module Description
N10-PAC1-550W	Prime Network 3.9	AC power supply
N20-C6508	Prime Network 3.9	UCS 5108 Blade Server Chassis/0 PSU/8 fans/0 fabric extender

Cisco UCS 6120—Supported Technologies

The following technologies are supported by the Cisco UCS 6120 in Cisco Prime Network 3.9:

- [IP, page 9-5](#)
- [Hardware, page 9-8](#)
- [CDP, page 9-11](#)

Cisco UCS 6120—Supported Service Events

Table 9-3 Supported Service Events for Cisco UCS 6120—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Chassis Connected	Prime Network 3.9	Y
Chassis Disconnected	Prime Network 3.9	Y
Card Down	Prime Network 3.9	N
Card In	Prime Network 3.9	N
Card Out	Prime Network 3.9	N
Card Out Chassis Disconnected	Prime Network 3.9	Y

Table 9-3 Supported Service Events for CiscoUCS 6120—Cisco Prime Network 3.9 (continued)

Event Name	Product_V ersion	Expedited
Card Up	Prime Network 3.9	N
power-supply down	Prime Network 3.9	N
Power-supply out	Prime Network 3.9	N
Port down due to admin	Prime Network 3.9	N
Port down due to Card down	Prime Network 3.9	N
Port down due to Card out	Prime Network 3.9	N
Port down due to oper	Prime Network 3.9	N
fan-tray down	Prime Network 3.9	N
Fan-tray out	Prime Network 3.9	N
Interface status up	Prime Network 3.9	N
Port up	Prime Network 3.9	N
Interface status down	Prime Network 3.9	N

Supported Technologies on Cisco DataCentre

The following sections list the objects and attributes that are supported on Cisco datacentre in Cisco Prime Network 3.9 per technology:

- [IP, page 9-5](#)

- [Hardware](#), page 9-8
- [CDP](#), page 9-11

IP

Table 9-4 IP Attribute Support on Cisco DataCentre—Cisco Prime Network 3.9

Attribute	UCS 6120
IMO Name—IIPInterface	
IP Address	Y
Subnetwork Mask	Y
IP Interface Addresses Array	Y
Interface Name	Y
Interface Description	Y
IP Interface State	Y
OSPF Interface Cost	
Broadcast Address	
MTU	
Lookup Method	
Address Resolution Type	
ARP Timeout	
Secured ARP	
ICMP Mask Reply	
IGMP Proxy	
HSRP Groups	
IP Multiplexing Table	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—IIPMuxEntry	
Termination Point	
Destination IP Subnet	
IMO Name—IRoutingEntity	
Routing Table	
ARP Entity	
Routing Table Changes	
Name	

Table 9-4 IP Attribute Support on Cisco DataCentre—Cisco Prime Network 3.9 (continued)

Attribute	UCS 6120
Logical Sons	
IMO Name—IRoutingEntry	
Destination IP Subnet	
Next Hop IP Address	
Type	
Routing Protocol Type	
Outgoing Interface Name	
IMO Name—IARPEntity	
ARP Table	
IMO Name—IARPEntity	
IP Address	
MAC Address	
Port	
Entry Type	
IMO Name—IIPPool	
IP Address Pool Entries	
Name	
Index	
IMO Name—IIPRangeBasedIPPoolEntry	
Start IP Address	
End IP Address	
Unused Addresses	
Used Addresses	
Reserved Addresses	
IMO Name—IIPSubnetBasedIPPoolEntry	
IP Subnet	
Unused Addresses	
Used Addresses	
Reserved Addresses	
IMO Name—HSRPGroupEntry	
Group Number	
Port Description	
Priority	
Coupled Router	
State	

Table 9-4 IP Attribute Support on Cisco DataCentre—Cisco Prime Network 3.9 (continued)

Attribute	UCS 6120
Tracking Interfaces	
Virtual IP Address	
Virtual MAC Address	
IMO Name—I Tunnel GRE	
Name	
Tunnel Destination and Source	
IP Address	
IP Interface State	
IANA Type	
Containing CTPs	
Contained CTPs	
Keep Alive Time	
Keep Alive Retry	
IMO Name—IVrrpGroupEntry	
Group Number	
State	
Port Description	
Master IP Address	
Primary IP Address	
Priority	
Virtual Mac Address	
Preempt Mode	
Admin State	
Advertisement Interval	
Tracking Interfaces	
IMO Name—IIPSLAResponderService	
responderStatus	
TWAMPResponderStatus	
tcpConnect	
udpEcho	
IMO Name—IIPAddressPortPair	
type	
ipAddress	
port	

Hardware

Table 9-5 Hardware Attribute Support on Cisco DataCentre—Cisco Prime Network 3.9

Attribute	UCS 6120
IMO Name—IChassis	
Description	Y
Equipment Holder Type	
Contained Equipment Holders	
Contained Equipments	
Serial Number (Soft property)	Y
Configuration State (Soft property)	Y
Operability (Soft property)	Y
Power (Soft property)	Y
Thermal (Soft property)	Y
Name (Soft property)	Y
PID (Soft property)	Y
VID (Soft property)	Y
IMO Name—IShelf	
Description	
Status	
Equipment Holder Type	
Contained Equipment Holders	
Contained Equipments	
Serial Number	
IMO Name—IModule	
Module Name	Y
Module Description	Y
Software Version	Y
Operational Status	Y
Hardware Type + Version	Y
Managed IP Address	
Redundant Equipment	
Configured Redundancy	Y
Redundancy Status	Y
Supported Physical Termination Points	

Table 9-5 Hardware Attribute Support on Cisco DataCentre—Cisco Prime Network 3.9

Attribute	UCS 6120
Serial Number (soft property)	Y
Admin State(Soft property)	Y
Discovery State(Soft property)	Y
Power State (Soft property)	Y
Slot ID (Soft property)	Y
Chassis ID (Soft property)	Y
Name (Soft property)	Y
Description (Soft property)	Y
PID (Soft property)	Y
VID (Soft property)	Y
Operating Memory Voltage(Soft property)	Y
Avail State (Soft property)	Y
Assoc State (Soft property)	Y
Slot Status (Soft property)	Y
Check Point (Soft property)	Y
Number Of Processor (Soft property)	Y
Effective Memory (Soft property)	Y
Total Memory (Soft property)	Y
Operating Memory Speed (Soft property)	Y
Operating Memory Voltage (Soft property)	Y
Slot Number (Soft property)	Y
Part Number (Soft property)	Y
Running Version (Soft property)	Y
Package Version (Soft property)	Y
Backup Version (Soft property)	Y
Update Status (Soft property)	Y
Startup Version (Soft property)	Y
Activate Status (Soft property)	Y
IMO Name—IPowerSupply	
Same as IModule	Y

Table 9-5 Hardware Attribute Support on Cisco DataCentre—Cisco Prime Network 3.9

Attribute	UCS 6120
IMO Name—IFanTray	
Same as IModule	Y
IMO Name—IPluggableTransceiver	
ConnectorDescription	
PID	
ConnectorSerialNumber	
ConnectorType	
PluggablePortState	
PluggableType	
IMO Name—IManagedElement	
IP Address	Y
Communication State	Y
Investigation State	Y
Element Category	Y
Element Type and Key	Y
Device Name	Y
System Name	Y
System Description	Y
Up Time	Y
Software Version	Y
Vendor Identity	Y
Memory and CPU Usage	
DRAM Free	
DRAM Used	
DRAM Usage	
Flash Device Size	
NVRAM Size	
Processor DRAM	
Sys Contact	
Sys Location	
Serial Number	
File Systems	
IMO Name—IContext	
Name	
Bounded Connections	

Table 9-5 Hardware Attribute Support on Cisco DataCentre—Cisco Prime Network 3.9

Attribute	UCS 6120
IP Address Pools	
Forwarding Components List	
Traffic Descriptors List	
Tunnel Containers List	
Data Link Aggregation Containers List	
IMO Name—ISystemService	
Type	
Status	
Up Time	
IMO Name—IBridge	
Bridge Table	
Type	
MAC Address	
IP Interface	
Name	
Logical Sons	
Vlan Type	
IMO Name—IBridgeEntry	
Destination MAC	
Outgoing Interface	

CDP

Table 9-6 CDP Attribute Support on Cisco DataCentre—Cisco Prime Network 3.9

Attribute	UCS 6120
IMO Name—ICdpService	
cdpHoldtime	Y
cdpMessageInterval	Y
cdpDeviceId	Y
cdpState	Y
cdpVersion	Y

Table 9-6 CDP Attribute Support on Cisco DataCentre—Cisco Prime Network 3.9 (continued)

Attribute	UCS 6120
IMO Name—ICdpNeighbor	
remoteDeviceId	Y
remotePortId	Y
remoteIPAddress	Y
localPortId	Y