



CHAPTER 2

Overview—Supported Network Elements in Prime Network Version 3.8.x and 3.9.x

This chapter provides an overview of network elements (NEs) that are supported by Prime Network Version 3.8.x and 3.9.x:

This chapter contains the following topics:

- [Supported Alcatel-Lucent Devices in Prime Network Version 3.8.x and 3.9.x, page 2-1](#)
- [Supported DragonWave Devices in Prime Network Version 3.8.x and 3.9.x, page 2-3](#)
- [Supported Huawei Devices in Prime Network Version 3.8.x and 3.9.x, page 2-4](#)
- [Supported Juniper Devices in Prime Network Version 3.8.x and 3.9.x, page 2-5](#)
- [Supported RAD Devices in Prime Network Version 3.8.x and 3.9.x, page 2-7](#)
- [Supported Tellabs Devices in Prime Network Version 3.8.x and 3.9.x, page 2-8](#)
- [Supported Fortinet Devices in Prime Network Version 3.8.x and 3.9.x, page 2-9](#)
- [Supported Occam Devices in Prime Network Version 3.8.x and 3.9.x, page 2-10](#)
- [Supported VNE Scheme for Third-Party Devices, page 2-10](#)
- [Supported Devices Not Included in VNE Reference Guide, page 2-12](#)



Note

All the third-party VNEs do not support the Cisco Prime Network Change and Configuration Management function.

Supported Alcatel-Lucent Devices in Prime Network Version 3.8.x and 3.9.x

This document includes support information for the following Alcatel-Lucent devices:

- [Alcatel-Lucent ATM Subscriber Access Multiplexer](#)
- [Alcatel-Lucent 7450 Ethernet Service Switch](#)
- [Alcatel-Lucent 7705 Service Aggregation Router](#)
- [Alcatel-Lucent 7750 Service Router](#)
- [Alcatel-Lucent Intelligent Services Access Manager](#)

Table 2-1 Supported Alcatel-Lucent Devices in Prime Network Version 3.8.x and 3.9.x

NE Type	Product Name	SysOID	Product Version	DP Version
Alcatel-Lucent ATM Subscriber Access Multiplexer				
asam 7301 HD	Alcatel ASAM 7301 HD DSLAM	1.3.6.1.4.1.637.61.1	3.7.2/3.7.3	6.0
asam 7301 SD	Alcatel ASAM 7301 SD DSLAM	1.3.6.1.4.1.637.61.1	3.7.2/3.7.3	6.0
asam 7301 UD	Alcatel ASAM 7301 UD DSLAM	1.3.6.1.4.1.637.61.1	3.7.2/3.7.3	6.0
asam 7301 XD	Alcatel ASAM 7301 XD DSLAM	1.3.6.1.4.1.637.61.1	3.7.2/3.7.3	6.0
Alcatel-Lucent 7450 Ethernet Service Switch				
ess-7450-1	Alcatel ESS-7450-1	1.3.6.1.4.1.6527.1.6.1	3.7.2	1.0
ess-7450-7	Alcatel ESS-7450-7	1.3.6.1.4.1.6527.1.6.3	3.7.2	1.0
ess-7450-12	Alcatel ESS-7450-12	1.3.6.1.4.1.6527.1.6.4	3.7.2	3.0
ess-7450-6	Alcatel ESS-7450-6	1.3.6.1.4.1.6527.1.3.5	3.7.2/3.7.3	4.0
Alcatel-Lucent 7705 Service Aggregation Router				
Alcatel 7705 SAR-F	Alcatel 7705 Service Aggregation Router (Fixed)	1.3.6.1.4.1.6527.6.1.1.2.2	3.7.2	3.0
Alcatel 7705 SAR-8	Alcatel 7705 Service Aggregation Router (8 slots)	1.3.6.1.4.1.6527.6.1.1.2.1	3.7.2	3.0
Alcatel-Lucent 7750 Service Router				
Alcatel 7750 SR c-12	Alcatel 7750 superior multiservice edge router	1.3.6.1.4.1.6527.1.3.6	3.7.2	3.0
Alcatel 7750 SR 7	Alcatel 7750 superior multiservice edge router	1.3.6.1.4.1.6527.1.3.4	3.7.2	3.0
Alcatel 7750 SR 4	Alcatel 7750 superior multiservice edge router	1.3.6.1.4.1.6527.1.3.2	3.7.2/3.7.3	4.0
Alcatel 7710 SR c-12	Alcatel 7710 superior multiservice edge router	1.3.6.1.4.1.6527.1.9.1	3.7.2/3.7.3	4.0
Alcatel 7750 SR 12	Alcatel 7750 superior multiservice edge router	1.3.6.1.4.1.6527.1.3.3	3.7.2/3.7.3	5.0
Alcatel-Lucent Intelligent Services Access Manager				
ISAM 7302	Alcatel-Lucent 7302 ISAM	1.3.6.1.4.1.637.61.1	3.7.2/3.7.3	6.0
ISAM 7330	Alcatel-Lucent 7330 ISAM	1.3.6.1.4.1.637.61.1	3.7.2/3.7.3	6.0

Supported DragonWave Devices in Prime Network Version 3.8.x and 3.9.x

This document includes support information for the following DragonWave devices:

- [DragonWave Horizon Compact Device \(Packet Microwave System\)](#)
- [DragonWave Horizon Compact Plus Device \(Packet Microwave System\)](#)
- [DragonWave Horizon Quantum Device \(Packet Microwave System\)](#)

Table 2-2 **Supported DragonWave Devices in Prime Network Version 3.8.x and 3.9.x**

NE Type	Product Name	SysOID	Product Version	DP Version
DragonWave Horizon Compact Device (Packet Microwave System)				
Horizon Compact	Horizon Compact	1.3.6.1.4.1.7262.2.2	3.7.2/3.7.3	5.0
DragonWave Horizon Compact Plus Device (Packet Microwave System)				
Horizon Compact Plus	Horizon Compact Plus	1.3.6.1.4.1.7262.2.5	3.8	2.0
DragonWave Horizon Quantum Device (Packet Microwave System)				
Horizon Quantum	Horizon Quantum	1.3.6.1.4.1.7262.2.4	3.7.2/3.7.3	5.0

Supported Huawei Devices in Prime Network Version 3.8.x and 3.9.x

This document includes support information for the following Huawei devices:

- [Huawei - Quidway@ S9300 Series Terabit Routing Switch](#)
- [Huawei - Quidway@ CX600-CarrierSwitch and ATN-Cellsite-Gateway](#)

Table 2-3 **Supported Huawei Devices in Prime Network Version 3.8.x and 3.9.x**

NE Type	Product Name	SysOID	Product Version	DP Version
Huawei - Quidway@ S9300 Series Terabit Routing Switch				
Huawei S9306	Huawei S9306 Terabit Routing Switch	1.3.6.1.4.1.2011.2.170.2	3.7.2	3.0
Huawei - Quidway@ CX600-CarrierSwitch and ATN-Cellsite-Gateway				
Huawei CX600 - X8	Huawei CX600-X8 Carrier Switch	1.3.6.1.4.1.2011.2.87.18	3.7.2/3.7.3	5.0
Huawei CX600 - X2	Huawei CX600-X2 Carrier Switch	1.3.6.1.4.1.2011.2.87.21	3.7.2/3.7.3	5.0
Huawei CX600 - X1	Huawei CX600-X1 Carrier Switch	1.3.6.1.4.1.2011.2.87.20	3.7.2/3.7.3	5.0
Huawei ATN 910	Huawei ATN 910	1.3.6.1.4.1.2011.2.220.3	3.7.2/3.7.3	5.0
Huawei ATN 950	Huawei ATN 950	1.3.6.1.4.1.2011.2.220.4	3.7.2/3.7.3	5.0

Supported Juniper Devices in Prime Network Version 3.8.x and 3.9.x

This document includes support information for the following Juniper devices:

- [Juniper E-Series ERX Edge Routing Switches](#)
- [Juniper JCS Control System](#)
- [Juniper M-Series Multiservice Edge Routers](#)
- [Juniper MX-Series Ethernet Service Routers](#)
- [Juniper Netscreen Security Firewall/VPN Device](#)
- [Juniper T-Series Core Platforms](#)

Table 2-4 *Supported Juniper Devices in Prime Network Version 3.8.x and 3.9.x*

NE Type	Product Name	SysOID	Product Version	DP Version
Juniper E-Series ERX Edge Routing Switches				
Juniper-1400	ERX-1400	1.3.6.1.4.1.4874.1.1.1.1.1	3.7.2	3.0
Juniper-1440	ERX-1440	1.3.6.1.4.1.4874.1.1.1.1.3	3.7.2	3.0
Juniper JCS Control System				
Juniper JCS 1200	Juniper Networks JCS 1200 Control System	1.3.6.1.4.1.2636.1.1.1.2.38	3.7.2/3.7.3	6.0
Juniper M-Series Multiservice Edge Routers				
Juniper M10i	Juniper Networks M10i Multiservice Edge Router	1.3.6.1.4.1.2636.1.1.1.2.11	3.7.2/3.7.3	1.0
Juniper M7i	Juniper Networks M7i Multiservice Edge Router	1.3.6.1.4.1.2636.1.1.1.2.10	3.7.2/3.7.3	6.0
Juniper M320	Juniper Networks M320 Multiservice Edge Router	1.3.6.1.4.1.2636.1.1.1.2.9	3.7.2/3.7.3	1.0
Juniper M20	Juniper Networks M20 Multiservice Edge Router	1.3.6.1.4.1.2636.1.1.1.2.2	3.7.2/3.7.3	4.0
Juniper M120	Juniper Networks M120 Multiservice Edge Router	1.3.6.1.4.1.2636.1.1.1.2.18	3.7.2/3.7.3	4.0
Juniper M40e	Juniper Networks M40e Multiservice Edge Router	1.3.6.1.4.1.2636.1.1.1.2.8	3.7.2/3.7.3	4.0
Juniper MX-Series Ethernet Service Routers				
Juniper MX960	Juniper Networks MX960 Ethernet Service Router	1.3.6.1.4.1.2636.1.1.1.2.21	3.7.2	2.0
Juniper MX480	Juniper Networks MX480 Ethernet Service Router	1.3.6.1.4.1.2636.1.1.1.2.25	3.7.2	3.0
Juniper MX240	Juniper Networks MX240 Ethernet Service Router	1.3.6.1.4.1.2636.1.1.1.2.29	3.7.2/3.7.3	4.0

Table 2-4 **Supported Juniper Devices in Prime Network Version 3.8.x and 3.9.x (Continued)**

NE Type	Product Name	SysOID	Product Version	DP Version
Juniper Netscreen Security Firewall/VPN Device				
Juniper Netscreen 5400	Juniper Netscreen 5400 Security Firewall/VPN device	1.3.6.1.4.1.3224.1.13	3.7.2/3.7.3	6.0
Juniper T-Series Core Platforms				
Juniper T640	T640	1.3.6.1.4.1.2636.1.1.1.2.6	3.7.2	1.0
Juniper T320	T320	1.3.6.1.4.1.2636.1.1.1.2.7	3.7.2	3.0
Juniper T1600	T1600	1.3.6.1.4.1.2636.1.1.1.2.27	3.7.2/3.7.3	4.0

Supported RAD Devices in Prime Network Version 3.8.x and 3.9.x

This document includes support information for the following RAD device:

- [RAD ACE-3000-Series Cell-Site Gateway](#)
- [RAD ETX-Series Carrier Ethernet Demarcation Device](#)
- [RAD IPmux-4L TDM Pseudowire Access Gateway](#)
- [RAD LA-210 EFM DSL Network Termination Unit](#)

Table 2-5 **Supported RAD Devices in Prime Network Version 3.8.x and 3.9.x**

NE Type	Product Name	SysOID	Product Version	DP Version
RAD ACE-3000-Series Cell-Site Gateway				
ACE-3205	Rad Ace 3205	1.3.6.1.4.1.164.6.1.12.3.17	3.7.2	1.0
ACE-3105	Rad Ace 3105	1.3.6.1.4.1.164.6.1.12.3.18	3.7.2	2.0
ACE-3100	Rad Ace 3100	1.3.6.1.4.1.164.6.1.12.3.9	3.7.2/3.7.3	4.0
ACE-3200	Rad Ace 3200	1.3.6.1.4.1.164.6.1.12.3.8	3.7.2/3.7.3	4.0
RAD ETX-Series Carrier Ethernet Demarcation Device				
ETX-204AW (Wide Box)	Rad ETX 204AW (Wide Box)	1.3.6.1.4.1.164.6.1.6.25	3.7.2	2.0
ETX-204 A (Short Box)	Rad ETX 204 A (Short Box)	1.3.6.1.4.1.164.6.1.6.24	3.7.2/3.7.3	4.0
RAD IPmux-4L TDM Pseudowire Access Gateway				
IPmux-4L	Rad Ipmux 4L	1.3.6.1.4.1.164.6.1.3.156	3.7.2	2.0
RAD LA-210 EFM DSL Network Termination Unit				
LA-210	Rad LA 210	1.3.6.1.4.1.164.6.1.13.5	3.7.2	2.0

Supported Tellabs Devices in Prime Network Version 3.8.x and 3.9.x

This document includes support information for the following Tellabs device:

- [Tellabs 8840 Multiservice Router](#)

Table 2-6 *Supported Tellabs Devices in Prime Network Version 3.8.x and 3.9.x*

NE Type	Product Name	SysOID	Product Version	DP Version
Tellabs 8840 Multiservice Router				
TellabsMSR8840	TellabsMSR8840	1.3.6.1.4.1.4641.1.3	3.7.2/3.7.3	6.0

Supported Fortinet Devices in Prime Network Version 3.8.x and 3.9.x

This document includes support information for the following Fortigate device:

- [Fortinet FortiGate 5000 Series Firewall](#)

Table 2-7 **Supported Fortigate Devices in Prime Network Version 3.8.x and 3.9.x**

NE Type	Product Name	SysOID	Product Version	DP Ver-sion
Fortinet FortiGate 5000 Series Firewall				
FortiGate 5140	Fortinet FortiGate 5140 firewall device	1.3.6.1.4.1.12356.50051	3.8.x-To-3.9.x	DP1206

Supported Occam Devices in Prime Network Version 3.8.x and 3.9.x

This document includes support information for the following Occam devices:

- [Occam Blade 6214 Series DSLAM](#)
- [Occam Blade 6312 Series Switches](#)
- [Occam Blade 6316 Series Switches](#)
- [Occam Blade 6450 Series Switches](#)

Table 2-8 *Supported Occam Devices in Prime Network Version 3.8.x and 3.9.x*

NE Type	Product Name	SysOID	Product Version	DP Version
Occam Blade 6214 Series DSLAM				
BLC 6214	Occam BLC 6214	1.3.6.1.4.1.6066.1.38	3.8.x-To-3.9.x	DP1206
Occam Blade 6312 Series Switches				
BLC 6312	Occam BLC 6312	1.3.6.1.4.1.6066.1.37	3.8.x-To-3.9.x	DP1206
Occam Blade 6316 Series Switches				
BLC 6316	Occam BLC 6316	1.3.6.1.4.1.6066.1.50	3.8.x-To-3.9.x	DP1206
Occam Blade 6450 Series Switches				
BLC6450	Occam BLC 6450	1.3.6.1.4.1.6066.1.44	3.8.x-To-3.9.x	DP1206

Supported VNE Scheme for Third-Party Devices

VNE schemes determine what data should be retrieved for each device, along with the commands and protocols Prime Network Third-Party VNE should use to collect that data. The scheme settings are arranged in an inheritance tree and incorporated into the configuration registry to support default values at any level—and the option to inherit or override default settings—on the basis of device vendor, type, model, version etc. The scheme settings can be changed at a very granular level, such as specific device instances or specific aspects of inventory within devices. For example, different polling frequencies can be set for different port types within a device.

If you chose the wrong scheme when you created the VNE, you will have to delete and recreate the VNE.



Note

You can also supplement what is modeled by creating new soft properties. These allows you to model additional attributes and create new threshold crossing alarms.

When creating a VNE, choose a scheme that is based on the device family and on the technologies you want Prime Network Third-Party to manage. This enables you to define different behavior for different devices. For example, some devices poll only with SNMP, while other devices poll with Telnet. Soft properties and activation scripts are also attached to a specific scheme.

**Note**

When you create a VNE, Prime Network Third-Party VNE provides a drop-down list of available schemes. The list includes a "default" choice. If you choose default, Prime Network Third-Party VNE sets the scheme to Product.

Prime Network Third-Party VNE uses the following schemes:

- **Product**—This scheme is used for all device types in this release, except for Alcatel-Lucent 7705 Service Aggregation Router, Alcatel-Lucent 7750/7710 Service Router, Huawei Devices, Juniper Devices, and Fortinet Device.
- **IpCore**—This scheme is used only for routers serving as Provider (P) or Provider Edge (PE) devices.

The difference between the two schemes is that IpCore assumes that the device is used as part of an MPLS VPN network containing P and PE devices. Prime Network therefore models these VNEs slightly differently. Use Product for all other instances, including customer edge (CE) devices. The Product scheme assumes that no MPLS or VRF configuration exists and thus does not retrieve it.

These schemes provide users with the flexibility to specify the registrations (device commands, or methods the VNE uses to query the device for information) that the VNEs modeling their routers are to use. You can designate a VNE as a core router by setting it to work with the IpCore scheme, or as an edge router by setting it to work with the Product scheme.

Table 2-9 identifies the schemes that are supported in Prime Network Third-Party VNEs.

Table 2-9 Supported VNE Scheme for Third-Party Devices

Device Type	Scheme	
	Product	IpCore
Alcatel Devices		
Alcatel-Lucent ATM Subscriber Access Multiplexer	Yes	
Alcatel-Lucent 7450 Ethernet Service Switch	Yes	
Alcatel-Lucent 7705 Service Aggregation Router		Yes
Alcatel-Lucent 7750/7710 Service Router		Yes
Alcatel-Lucent Intelligent Services Access Manager	Yes	
DragonWave Devices		
DragonWave Horizon Compact Device (Packet Microwave System)	Yes	
DragonWave Horizon Compact Plus Device (Packet Microwave System)	Yes	
DragonWave Horizon Quantum Device (Packet Microwave System)	Yes	
Huawei Devices		
Huawei - Quidway@ S9300 Series Terabit Routing Switch		Yes

Table 2-9 *Supported VNE Scheme for Third-Party Devices*

Device Type	Scheme	
	Product	IpCore
Huawei - Quidway@ CX600-CarrierSwitch and ATN-Cellsite-Gateway		Yes
Juniper Devices		
Juniper E-Series ERX Edge Routing Switches		Yes
Juniper JCS Control System		Yes
Juniper M-Series Multiservice Edge Routers		Yes
Juniper MX-Series Ethernet Service Routers		Yes
Juniper Netscreen Security Firewall/VPN Device		Yes
Juniper T-Series Core Platforms		Yes
RAD Devices		
RAD ACE-3000-Series Cell-Site Gateway	Yes	
RAD ETX-Series Carrier Ethernet Demarcation Device	Yes	
RAD IPmux-4L TDM Pseudowire Access Gateway	Yes	
RAD LA-210 EFM DSL Network Termination Unit	Yes	
Tellabs Device		
Tellabs 8840 Multiservice Router	Yes	
Fortinet Device		
Fortinet FortiGate 5140 Firewall		Yes
Occam Devices		
Occam Blade 6214 Series DSLAM	Yes	
Occam Blade 6312 Series Switches	Yes	
Occam Blade 6316 Series Switches	Yes	
Occam Blade 6450 Series Switches	Yes	

Supported Devices Not Included in VNE Reference Guide

The following devices are supported but not included in this reference guide:

Table 2-10 *Supported Devices in Prime Network*

VNE Name	SysOID
ECI Hifocus-SAM 480	1.3.6.1.4.1.1286.1.3
Lucent Wan-switch CBX 500	1.3.6.1.4.1.277.1
Lucent Wan-switch GX 550	1.3.6.1.4.1.277.1
Lucent Wan-switch B-STDx	1.3.6.1.4.1.277.1

Table 2-10 **Supported Devices in Prime Network (Continued)**

VNE Name	SysOID
Lucent Anymedia LAG1900	1.3.6.1.4.1.1751.2.12.1
Lucent Anymedia LAG4300	1.3.6.1.4.1.1751.2.12.1
Lucent Anymedia	1.3.6.1.4.1.1751.2.12.1
Lucent PSAX-2300	1.3.6.1.4.1.1751.1.18.7
Lucent PSAX-4500	1.3.6.1.4.1.1751.1.18.8
Lucent Max-TNT	1.3.6.1.4.1.529.1.4
Lucent Stinger-MS-PLUS	1.3.6.1.4.1.529.1.7.10
Lucent Stinger-MRT	1.3.6.1.4.1.529.1.7.4
Redback Smart Edge 800	1.3.6.1.4.1.2352.1.10
Redback SMS 1000	1.3.6.1.4.1.2352.1.1
Redback SMS 1800	1.3.6.1.4.1.2352.1.3
Redback SMS 10000	1.3.6.1.4.1.2352.1.4
Riverstone 1000	1.3.6.1.4.1.5567.1.1.8
Riverstone 1100	1.3.6.1.4.1.5567.1.1.13
Riverstone 3000	1.3.6.1.4.1.5567.1.1.5
Riverstone 3100	1.3.6.1.4.1.5567.1.1.11
Utstarcomm AN-2000-IB	1.3.6.1.4.1.1949.1.3.3
Adc Broadaccess40	1.3.6.1.4.1.3321.2.2

