Dell Networking W-AirWave provides a range of features to manage network infrastructure devices from Dell and other vendors. This document describes the supported product families, software versions, and feature set for the following product sets:

Dell Devices

W-AirWave supports management of global configuration profiles or settings, monitoring, and software upgrades on Dell devices and software that are running Dell AOS 6.5.0.0, 6.5.1.0, 6.5.2.0. W-AirWave supports only monitoring on Dell devices running Dell AOS 8.0.0. The sections that follow provide support matrices for integration with Dell Networking W devices.

AOS

W-AirWave supports all Dell controllers and most access points that are running Dell AOS 6.5.0.0, 6.5.1.0, 6.5.2.0, 8.0.0.0, 8.0.1.0, and 8.1.0.0.

W-AirWave 8.2.4 introduces support for Dell unified APs; access points that are factory-installed with Dell AOS 6.5.2 or a later. A unified AP can be configured to operate as either a campus AP or a remote AP when that device is first provisioned. For more information on Unified APs, refer to the *Dell AOS 6.5.2 Release Notes*.

Refer to http://www.arubanetworks.com/support-services/end-of-life/ for the complete list of products that have reached the end-of-life milestone.

Table 1: *Dell AOS Device Support*

Device	Validated up to
AP-365 and AP-367	6.5.2.0
W-AP334 and W-AP335	6.5.1.0
W-AP324 and W-AP325	6.5.1.0
W-AP304 and W-AP305	6.5.1.0

Table 1: *Dell AOS Device Support (Continued)*

Device	Validated up to
AP-303H	6.5.2.0
W-AP277	6.5.0.0
W-AP274 and W-AP275	6.5.0.0
W-AP224 and W-AP225	6.5.0.0
W-AP228	6.5.0.0
W-AP207	6.5.1.0
AP-203H	6.5.2.0
AP-203R and AP-203RP	6.5.2.0
AP-205H	6.5.0.0
W-AP214 and W-AP215	6.5.0.0
W-AP204 and AP-205H	6.5.0.0
W-AP175	6.5.0.0
W-AP134 and W-AP135	6.5.0.0
W-AP114 and W-AP115	6.5.0.0
W-AP124 and W-AP125	6.5.0.0
W-AP104 and W-AP105	6.5.0.0
W-AP103	6.5.0.0
W-AP103H	6.5.0.0
W-AP92 and W-AP93	6.5.0.0
W-AP93H	6.5.0.0
W-AP68	6.5.0.0
W-3000 Series Controller	6.5.0.0
W-651 Controller	6.2.0.0
W-7005 Controller	6.5.0.0
W-7008 Controller	6.5.0.0
W-7010 Controller	6.5.0.0
W-7024 Controller	6.5.0.0
W-7030 Controller	6.5.0.0
W-7200 Series Controller	6.5.0.0

Dell Instant

W-AirWave supports Dell Networking W-Series Instant Access Points (W-IAPs) running Instant software 6.5.2 and all prior versions that have not reached the end of support milestone. In addition, W-AirWave supports the Dell RAP-100 Series and RAP-3 Series remote access points.

The following table displays the feature matrix on the Dell Networking W-Instant access points.

Table 2: *Dell Instant Device Support*

Instant Version	Support for	
	Template Config	Instant GUI Config
Instant 6.5.2	W-AirWave 8.2.4	W-AirWave 8.2.4
Instant 4.3.1	W-AirWave 8.2.3.1	W-AirWave 8.2.3.1
Instant 4.3.0	W-AirWave 8.2.3.0	W-AirWave 8.2.3.0
Instant 4.2.4	W-AirWave 8.2.1	W-AirWave 8.2.2
Instant 4.2.3	W-AirWave 8.2.0	W-AirWave 8.2.2

Starting with 6.4.3.x-4.2, Instant software does not support W-IAP92 and W-IAP93.

Aruba Devices

This release of W-AirWave supports the following Aruba devices and software.

Aruba Mobility Master Applicances

W-AirWave supports the following devices running ArubaOS 8.0.0 and later:

- Mobility Master Hardware Appliance MM-HW-1K, MM-HW-5K, and MM-HW-10K
- Mobility Master Virtual Appliance MM-VA

Aruba Mobility Access Switches

Dell Networking W-AirWave supports profile configuration, monitoring, and software upgrades on the Aruba Mobility Access Switches.

In addition to the port statistics supported for most Ethernet switches with the supported firmware described below, W-AirWave also tracks the activity of authenticated wired clients on Aruba switches.

Table 3: *Aruba Mobility Access Switch Support*

Device	Validated up to
S1500	7.4.0.0
S2500	7.4.0.0
S3500	7.4.0.0

Aruba AirMesh

Aruba AirMesh outdoor products running MeshOS 4.2 are supported for monitoring and software upgrades.

Table 4: *Aruba MeshOS Device Support*

Device	Validated up to
MSR1200	MeshOS 4.2
MSR2000	MeshOS 4.2
MSR4000	MeshOS 4.2
MST200	MeshOS 4.2

Third-Party Vendor Devices

W-AirWave provides basic monitoring and, in some cases, management of the third-party vendor devices listed below. The following section describes the features, and provides the list of supported devices and firmware versions.

Monitoring

W-AirWave supports the following basic monitoring features for third party devices, unless specified otherwise:

- User monitoring data such as connection time, user name, SSID, and bandwidth
- Network monitoring data, including real-time and historical bandwidth and user count metrics
- Rogue detection and classification using W-AirWavecustomizable rules
- VisualRF heatmaps and user/rogue location
- Reports
- Triggers and alerts

Management

W-AirWave supports the following basic management features for third party devices, unless specified otherwise:

- Basic configuration
- Firmware upgrades
- Controller and AP discovery

Cisco® Devices

This section describes the Cisco devices and software versions supported in W-AirWave.

Cisco Autonomous APs running IOS

The following IOS AP product families are supported for monitoring, configuration, and software upgrades.

NOTE

The firmware versions listed in the table below represents the latest firmware version verified as fully supported by W-AirWave 8.2.4. Informal testing shows that W-AirWave supports devices running more recent versions of firmware, but full support for these later versions is not guaranteed.

The following table describes the Cisco Autonomous APs supported for monitoring and management.

Table 5: *Cisco Autonomous AP Support Matrix*

Cisco Monitoring and Management	
Model	**Validated up to**
350 Series	IOS 12.3(11)JA IOS 12.4(21a)JA1
702W	IOS10.2.111.0 (IOS: 15.3(3)JN3)
801	IOS 12.4(25d)JA2 IOS 15.(22)JB
871W - Excluding Software Upgrade	IOS 12.4(21a)JA1
881 Series	IOS 12.4(21a)JA1
881W Series	IOS 12.4(21a)JA1 IOS 15.0(1)M7
881GW Series	IOS 12.4(21a)JA1 IOS 15.1(4)M3
891 Series	IOS 12.4(21a)JA1 IOS 15.0(1)M7
1040 Series	IOS 12.4(21a)JA1
1100 Series	IOS 12.4(21a)JA1
1110 Series	IOS 12.4(21a)JA1 IOS 12.3(11)JA
1130 Series	IOS 12.4(21a)JA1
1140 Series	IOS 12.4(21a)JA1 IOS 12.3(11)JA
1200 Series	IOS 12.4(21a)JA1 IOS 12.3(11)JA
1210 Series	IOS 12.4(21a)JA1
1230 Series	IOS 12.4(21a)JA1
1240 Series	IOS 12.4(21a)JA1
1250 Series	IOS 12.4(21a)JA1
1260 Series	IOS 12.4(21a)JA1
1300/1400 Series Bridges	IOS 12.4(21a)JA1
1700 Series	IOS10.2.111.0 (IOS: 15.3(3)JN3)

Table 5: *Cisco Autonomous AP Support Matrix (Continued)*

Cisco Monitoring and Management	
Model	**Validated up to**
1941W Series	IOS 15.2(3)T
2700 Series	IOS10.2.111.0 (IOS: 15.3(3)JN3)

Support is also available for the following product:

● 860 series

Cisco Wireless LAN Controllers and Access Points

The following controllers and thin APs are supported for monitoring, configuration, and software upgrades.

Table 6: *Cisco Wireless LAN Controllers and APs Support Matrix*

Cisco Monitoring and Management	
Model	**Validated up to**
1040 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
1130 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
1140 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
1200 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
1550 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
1600 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
1700 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
2600 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
2700 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
3500 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
3600 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
3700 Series AP	7.6.110.0 (Bootloader: 7.0.116.0)
Standalone 2100 Series Controller	7.0.235.0 (Bootloader: 7.0.235.0)
Standalone 2500 Series Controller	7.6.110.0 (Bootloader: 7.0.116.0)
Standalone 4400 Series Controller	7.0.235.0 (Bootloader: 7.0.235.0)
Standalone 5500 Series Controller	7.6.110.0 (Bootloader: 7.0.116.0)
Standalone 5760 Controller	3.2.0
7500 Flex Controller	7.6.110.0 (Bootloader: 7.0.116.0)

Table 6: *Cisco Wireless LAN Controllers and APs Support Matrix (Continued)*

Cisco Monitoring and Management	
Model	**Validated up to**
8510 Controller	7.4.121.0
3650 Switch	03.06.01E
3850 Switch	03.06.01E
4800 Switch (Pre-VxWorks) - Monitoring Only	8.65.2

Support is <u>not</u> available for the following products:

- Mobility Services Engine
- 500 series APs

Cisco Switches

Cisco switches have the following additional support through W-AirWave:

- Automated discovery through SNMP
- Model & software version identification
- CDP neighbor information and extended port error stats
- 3750 stack information
- 3850 and 3650 configured as a switch

Hewlett Packard Enterprise Devices

The firmware versions for the HPE devices listed Table 7 represent the latest firmware version verified as fully supported by W-AirWave 8.2. The devices in Table 7 are available within the VisualRF product catalog and can be selected when setting up device-specific triggers and alerts. In addition, these devices can be set up as trap receivers, and the SNMP traps can be seen on the **System > Syslog & Traps** page.

NOTE

W-AirWave does not support MSM APs running in autonomous mode.

Informal testing shows that W-AirWave supports some devices running more recent versions of firmware, but full support for these later versions is not guaranteed. For more information on configuring and managing and HPE switches via W-AirWave, refer to the *W-AirWave Switch Configuration Guide*.

Table 7: *HPE Device Support*

Model	FirmWare Validated Up To
MSM310 and MSM310R	6.5.1.0
MSM313 and MSM313R	6.5.1.0
MSM317	6.5.1.0
MSM318	6.5.1.0
MSM320 and MSM320R	6.5.1.0

Table 7: *HPE Device Support (Continued)*

Model	FirmWare Validated Up To
MSM323 and MSM323R	6.5.1.0
MSM325	6.5.1.0
MSM335	6.5.1.0
MSM410	6.5.1.0
MSM417*	6.5.1.0
MSM422	6.5.1.0
MSM425*	6.5.1.0
MSM430	6.5.1.0
MSM460	6.5.1.0
MSM466 and 466R	6.5.1.0
MSM525*	6.5.1.0
MSM527*	6.5.1.0
MSM560*	6.5.1.0
MSM710 (controller)	6.5.1.0
MSM720 (controller)	6.5.1.0
MSM730 (controller)	6.5.1.0
MSM750 (controller)	6.5.1.0
MSM760 (controller)	6.5.1.0
MSM765 (controller)	6.5.1.0
ProCurve 420	2.0.38 - 2.2.5
ProCurve 530	WA.01.16-WA.02.19
ProCurve 2626-PWR	H.10.35 (ROM H.08.02)
830 Unified Wired-WLAN Switch*	5.20.109 (Release 2607P39)
850 Unified Wired-WLAN Switch*	5.20.109 (Release 2607P39)
870 Unified Wired-WLAN Switch*	5.20.109 (Release 2607P39)
HPE WESM controllers & APs ● xl ● zl	● WS.01.05 – WS.02.19 ● WT.01.03 – WT.01.28
HPE 1950 Switch	2220P02 (Comware 7)
HPE 3100 Switch Series	2220P02 (Comware 7)
HPE 3600 Switch Series	2220P02 (Comware 7)

Table 7: *HPE Device Support (Continued)*

Model	FirmWare Validated Up To
HPE 5120 Switch	2220P02 (Comware 7)
HPE 5130 Switch	2220P02 (Comware 7)
HPE 5500 Switch Series	2220P02 (Comware 7)
HPE 7500 Switch Series	2220P02 (Comware 7)
HPE 10500 Switch Series	2220P02 (Comware 7)
* These HPE devices are not supported in VisualRF.	

High Availability Support

W-AirWave 8.2 introduces support for pairs of HP Unified Wired-WLAN (UWW) devices operating in HA mode. W-AirWave monitors the status of each controller. After W-AirWave detects that a failover occurred and the APs failed over to the backup controller, W-AirWave displays the current status of the APs.

HPE ProCurve

HPE ProCurve switches have the following additional support through W-AirWave:

- Automated discovery through SNMP
- Model & software version identification

Juniper® Devices

The following Juniper controllers and APs are supported for monitoring, configuration, and software upgrades.

> **NOTE**
> The firmware versions listed in the table below represents the latest firmware version verified as fully supported by W-AirWave 8.2.4. Informal testing shows that W-AirWave supports devices running more recent versions of firmware, but full support for these later versions is not guaranteed.

Table 8: *Juniper AP Support*

Model	Validated up to
WLA321	9.1.0.6.0
WLA322	9.1.0.6.0
WLA522	9.1.0.6.0
WLA532	9.1.0.6.0
WLA632	9.1.0.6.0
WLC100	9.1.0.6.0
WLC2	9.1.0.6.0
WLC2800	9.1.0.6.0
WLC8	9.1.0.6.0
WLC800	9.1.0.6.0

Table 8: *Juniper AP Support (Continued)*

Model	Validated up to
WLC880	9.1.0.6.0
WLC JunosV	9.1.0.6.0
Juniper Switch	12.3R6.6

Juniper®

Juniper switches have the following additional support through W-AirWave:

- Automated discovery through SNMP
- Model & software version identification
- Rogue AP detection is supported using the Q-BRIDGE MIB

Meru® Devices

The following Meru controllers and APs are now supported in VisualRF.

> **NOTE**
>
> The firmware versions listed in the table below represents the latest firmware version verified as fully supported by W-AirWave 8.2.4. Informal testing shows that W-AirWave supports devices running more recent versions of firmware, but full support for these later versions is not guaranteed.

Table 9: *Meru Device Support*

Model	Validated up to
AP302	6.1.1-25
AP320i	6.1.1-25
AP332i	6.1.1-25
AP433i	6.1.1-25
AP433is	6.1.1-25
AP822e	6.1.1-25
AP822i	6.1.1-25
AP832e	6.1.1-25
AP832i	6.1.1-25
RS4000	6.1.1-25
MC1000*	3.6.1-49
MC1550	6.1.1-25
MC3000*	3.6.1-49
MC3200	6.1.1-25
MC4200	6.1.1-25
MC5000*	3.6.1-49
*This version of W-AirWave supports monitoring for these devices.	

NOTE   VisualRF support for the for the AP433i, AP433e, AP433is, AP822i, and AP822e is not included in this release of W-AirWave.

Motorola® Devices

The following Motorola (formerly Symbol) controllers and autonomous APs are supported for monitoring, configuration, and software upgrades.

NOTE   The firmware versions listed in the table below represents the latest firmware version verified as fully supported by W-AirWave 8.2.4. Informal testing shows that W-AirWave supports devices running more recent versions of firmware, but full support for these later versions is not guaranteed.

Table 10: *Motorola Autonomous AP, Wireless LAN Controller, and AP Support*

Model	Validated up to
AP621	5.4.20-30R
AP622	5.4.20-30R
AP650	5.4.20-30R
AP5131	5.4.20-30R
AP5181	5.4.20-30R
AP6521*	5.4.20-30R
AP6522*	5.4.20-30R
AP6532*	5.4.20-30R
AP7131	5.4.20-30R
AP7161	5.4.20-30R
RFS4000	5.4.2.0-30R
RFS6000	5.4.20-30R
RFS7000	5.4.20-30R
WS2000	2.4.5
WS5100	3.3.4
Wing5 RFS controllers	5.4.20-30R
* These AP and controller models may require adjustments to the W-AirWave SNMP timeouts to compensate for known SNMP issues on these devices.	

Other Third-Party Devices with Monitoring Support

This version of W-AirWave supports monitoring for a variety of devices with software versions listed in the table below.

NOTE   The firmware versions listed in the table below represents the latest firmware version verified as fully supported by W-AirWave 8.2.4. Informal testing shows that W-AirWave supports devices running more recent versions of firmware, but full support for these later versions is not guaranteed.

Table 11: *Other Supported Devices*

Device	Validated up to
BelAir 200	main.2005.03.29
Brocade ICX switches	08.0.20T211 and 08.0.30aT213
Ericsson APM-210 access point module	6.4.4.0-sp
Proxim AP-600/700 Proxim AP 2000/4000	2.0 – 4.0.2
Proxim Tsunami MP.11 QB 954-x, 2454-x, 4954-x, 5054-x	2.3.0 – 4.0.0
Siemens SCALANCE W1750D	6.5.0.0 - 4.3.0
Symbol 3021	04.01-23 – 04.02-19
Symbol 4121/4131	3.51-20 – 3.95-04
Symbol 5131/5181	1.1.0.0.045R – 2.5.0.0
Trapeze MXR-2, MXR-8, MXR-20, MXR-2xx, MX-400, MP-3x2, MP-422	5.0.12.2 – 7.0.5.6
Tropos 3/4/5210/5320/9422/9532	5.1.4.7 – 6.6.1.3

Other Switches

Some switches have additional support in W-AirWave:

Alcatel-Lucent OmniSwitch™ (6250 and 6450)

- Automated discovery through SNMP
- Model & software version identification
- Stack information
- Firmware version 6.6.1.859.R01

Brocade

- Automated discovery through SNMP
- Model & software version identification
- Firmware version 08.0.20T211 and 08.0.30aT213
- Stacking

Force10

- Model & software version identification
- Firmware version 8.4.2.9

Copyright

© Copyright 2017 Hewlett Packard Enterprise Development LP. Dell™, the DELL™ logo, and PowerConnect™ are trademarks of Dell Inc.

All rights reserved. Specifications in this manual are subject to change without notice.

Originated in the USA. All other trademarks are the property of their respective owners.

Open Source Code

This product includes code licensed under the GNU General Public License, the GNU Lesser General Public License, and/or certain other open source licenses.