



Dell PowerConnect W-Series Airwave Wireless Management Suite

An operations solution for the changing network architecture

In today's dynamic, distributed enterprises, users have moved away from their desktops. They connect to the network with multiple mobile devices, on campus and in branch offices, from home and on the road. These mobile users have increased the support burden for everyone in IT, from the network engineers responsible for managing the infrastructure to the service desk staff who answer the phone when users experience connectivity problems. It's more important than ever to have an accurate picture of everything that affects service quality for users — from wired infrastructure, to the RF environment, to controllers and access points — and to take an intelligent, user-centric approach to network management.

The Dell™ PowerConnect™ W-Series Airwave Wireless Management Suite™ (AWMS), powered by Aruba Networks, delivers operational efficiency for teams managing rapidly changing networks and supporting mobile users who connect via the wireless LAN as well as wired Ethernet ports. With its easy-to-use interface and user-centric approach, it lets your service desk triage connectivity issues while your valuable network engineering staff focuses on proactive work to optimize the network.

AWMS introduces a number of innovations, including capabilities to manage wired infrastructure and Mobile Device Manager (MDM). Both of these capabilities will let administrator's solve problems faster and eliminate many of the disparate tools needed to support the network. AWMS helps save time and money, improve service quality, and make better decisions about your network.

The AWMS advantage— A better user experience

AWMS has been designed from the ground up as an operations solution for the whole IT organization, from the service desk, to the operations center as well as to network engineering. Each team member has role-based access to relevant information, and it's usually just a click or two away.

User-centric management

AWMS gives you a single, accurate picture of everything that affects service quality for your users — from wired infrastructure, to the RF environment, to individual mobile devices. It also integrates easily with existing IT service management tools for more efficient problem resolution.

Intelligence for better decision-making

AWMS provides a wide range of actionable information, from time-sensitive alerts to historical reporting. With data that spans days, months, and seasons, you always have what you need to spot trends, plan capacity, and craft the right strategies for your organization.

Multi-vendor, multi-architecture, multi-generational

Even in multi-vendor networks and mixed architectures with multiple generations of products, you have a single view to monitor and manage your entire network.

Root cause analysis & event correlation

- Maps upstream relationships between APs, controllers, and switches
- Correlates upstream problems with downstream events such as down APs

Dell PowerConnect W-Series AWMS

Multi-vendor management
tool to efficiently support
mobile users and networks

Mobile Device Manager (MDM)

- Provides a single view of all wireless devices on your network for asset tracking that improves utilization and capacity planning
- Seamless integration for auto-discovery and advanced diagnostics
- Provides basic monitoring of any device that associates with the network
- Agentless interface provides advanced monitoring and configuration of certain devices such as O'Neil printers
- MDM Agent offers advanced monitoring, configuration management, and remote control for Windows-based devices
- Scalable architecture to support thousands of devices

Efficient configuration management

- Configuration of Cisco edge switches using text-based templates
- Configuration policies defined using a web-based interface or by importing a "known good" configuration from an existing device

Better real-time visualization with VisualRF

- Voice overlay displays coverage for voice handsets, including a radio count heat map
- Provides above- and below-floor views for all overlays
- Displays edge switches and wiring closets for a full view of the network edge
- "Locate now" button recalculates client locations so you can properly diagnose clients
- "Strobe visible devices" feature allows you to set search criteria and quickly find devices (APs, users, tags, etc.) from a big group of devices in the area covered on the visible screen
- Provides a tree view that allows for faster navigation through campuses/ buildings without using the map
- "Simulate failure" feature enables "what if" analysis for proactive coverage planning
- Includes a Location Accuracy Report, which can be used to tune your environment to improve location accuracy beyond the 10-meter resolution that can generally be achieved without tuning

VisualRF plan: stand-alone planning tool

- Runs on Windows-based laptops and workstations
- Uses the same RF planning and visualization algorithms as the integrated VisualRF module
- Allows plans made offline to be imported into the integrated VisualRF module (and vice versa)

Better network planning and provisioning

- Plan any AP supported by AWMS
- Plan for appropriate cable lengths
- Ensure proper power and data capacity on wired side
- Automatically generates bill of material reports, including wired and wireless components, in
- HTML and Microsoft® Word formats to simplify the quote and physical deployment process
- Support for 2007/2010 CAD files in addition to earlier CAD versions and DWG, DWF, and DFX formats

Rogue AP containment and IDS events

- Manual or automated rogue AP containment with Dell W-Series controllers
- Disables switch ports with rogue APs attached
- Manages Dell IDS events from a single, centralized console

Easier access to actionable information

- Creates customized views for specific roles, such as service desk or CIO
- Each user can customize columns displayed in any Airwave Wireless Management Suite table view (show/hide, set column order)
- Location information included in all lists
- Lets users create and save custom reports
- Exports any list to CSV file
- Users can use any of your report components to build a personalized dashboard on your AMP home page
- Enhanced XML API provides for a cost-effective way to utilize Airwave data in a variety of third-party business applications

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