



Using AirWave to Manage your Cisco Airespace WLAN

The AirWave Wireless Management Suite™ software gives you a single, comprehensive console from which to monitor, configure and control your Cisco WLAN infrastructure. The core components of the suite include the AirWave Management Platform™ (AMP) software, the VisualRF™ module for location tracking and RF mapping, and the RAPIDS™ module for rogue AP detection. Whether your WLAN consists of 25 access points or 25 thousand, these applications provide the complete solution you need to make your network reliable, secure, and supportable – for a fraction of the cost of a proprietary solution.



VISIBILITY	<i>Reduces wireless problem resolution time by up to 75%</i>
Device & User Monitoring	Rapid drill-down from network-wide views to detailed real-time monitoring of every device and user. Tracks each user by username, MAC address, and IP address.
RF Site Maps	Uses your Cisco APs to build RF heatmaps and channel maps to identify coverage gaps and interference.
Location Accuracy	Displays accurate location for all clients and devices, for reliable trouble-shooting and asset tracking – without requiring the Cisco Wireless Location Appliance or any additional hardware.
Reporting	Generates historical trend reports with up to two years of data rather than just a few weeks.
FLEXIBILITY	<i>Extends the useful life of WLAN hardware by a year or more, on average</i>
Multi-architecture Support	Supports Cisco lightweight LWAPP APs as well as Cisco “thick” APs from one integrated console. AirWave has not ‘end-of-lifed’ support for a Cisco AP – dating back to the Aironet 4800 and VxWorks APs.
Multi-vendor Support	Helps you avoid vendor lock-in by supporting Aruba, HP ProCurve, Proxim, Symbol, Enterasys, Avaya, and many other leading vendors
Hardware Replacement	Workflows allow you to replace an existing AP or controller (or convert an older IOS autonomous AP to LWAPP) without losing your valuable historical data
MANAGEABILITY	<i>Automates manual processes and eliminates opportunities for human error</i>
Configuration Management	Centrally defined policies are applied uniformly to Airespace controllers – and directly to any thick APs.
Scheduling	Configuration changes and firmware updates can be scheduled for a pre-defined maintenance window
USABILITY	<i>Allows you to shift wireless user support responsibilities back to the Help Desk</i>
Easy-to-use Web UI	Web-based user interface and workflows designed for use by the entire IT staff, not just network engineers. User views can be tailored so each user sees only the information he needs to do his job.
SECURITY	<i>Eliminates misconfigurations and rogue devices that lead to security breaches</i>
Automated Compliance Audit & Auto-repair	Generates side-by-side onscreen views comparing the current configuration of Cisco controllers to the pre-defined policy -- and automatically ‘repairs’ the configuration to match policy, if desired.
Role-based Access Control	User privileges can be restricted by role (i.e., ‘retail store’ vs. ‘headquarters’ APs) and by responsibility (read-write, read-only, auditing privileges) to maintain security. Roles may be administered by TACACS+.
Rogue AP Detection	Detects rogue APs via wireless scans (using Cisco and other access points) <i>and</i> by wired network scans (SNMP and HTTP) -- even detecting rogues that are not within range of your Cisco APs.
SCALABILITY	<i>Provides a single management console no matter how large your WLAN grows</i>
“Manager-of-Managers”	AirWave Master Console™ provides a single web interface through which you can monitor and control multiple AMP servers, enabling efficient management of 25,000+ access points from a single console.

