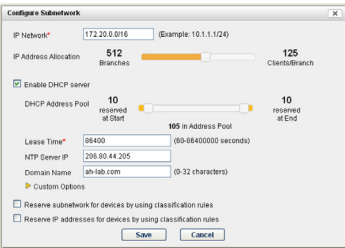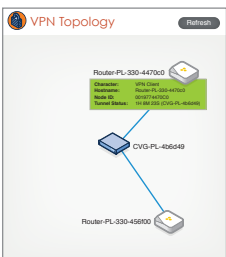# HiveManager Online 5.0
Network Management System

HiveManager Online 5.0 is an enterprise-class NMS for Aerohive access points and branch routers.

Guided configuration of unified wired and wireless Network Policies.

Convenient IP Address Management.

VPN Topology Map.

Aerohive Networks HiveManager Online NMS is an enterprise-class management system for Aerohive access points and routers, delivered as a cloud-based service. HiveManager Online offers the same simple policy creation, firmware upgrades, and centralized monitoring options as the on-premise version of HiveManager[1], however, without the need to deploy another device in your network. HiveManager Online is hosted within secure Tier IV SAS 70 Type II data centers, with scheduled backups and disaster recovery capabilities.

HiveManager Online is designed to make it cost effective to start small and grow a network with no upfront costs beyond the AP and branch routers. HiveManager Online comes in two versions, Express and Enterprise. Express, designed for smaller, wi-fi-only deployments, streamlines the interface without compromising enterprise-class features. Enterprise offers the full capabilities of the HiveManager platform for larger organizations with sophisticated policy requirements. HiveManager Online allows administrators to start with Express and seamlessly migrate to Enterprise.

Aerohive Cooperative Control Architecture
The Aerohive WLAN system combines enterprise-class access points with a suite of Cooperative Control protocols and functions, as well as innovative routers with L3 routing and switching. The solution provides all of the benefits of a controller-based WLAN solution without requiring a controller or an overlay network. Aerohive's operating system, HiveOS, enables Aerohive devices to organize into groups, or "hives." Although a hive of APs and routers is able to operate independently, HiveManager provides a centralized management instance for the entire network which enables global policy management as well as the configuration and monitoring of many APs and routers. HiveManager lowers operating costs by speeding deployment, configuration and monitoring of the wireless network. Because HiveManager functions out-of-band, the APs and routers are fully functional, even when disconnected from the HiveManager.

HiveManager Online also includes a portal called "MyHive," which provides single sign-on access to Aerohive resources such as HiveManager Online, support forums, and a staging server, which manages and correlates Aerohive device assignments to HiveManager Online instances. Customers access their own HiveManager Online instance, and partners can use the MyHive system to keep track of many instances for their end-customers.

Features & Benefits
Bringing up a network of Aerohive devices is as simple as plugging them in and browsing to the HiveManager Online address. The Aerohive devices are pre-provisioned to connect to HiveManager Online using the secure CAPWAP-DTLS protocol which traverses NAT and firewalls. This means that the APs and branch routers will automatically connect and register with the customer's account in HiveManager Online enabling configuration from any browser. With HiveManager Online, it is possible to bring up a wireless LAN and L3 branch routing in just a few minutes. HiveManager Online offers other key benefits:

- Plug and play deployment—administrator plugs in APs or routers and browses to the interface
- No appliance to install, configure, upgrade or patch
- Green—no rack space, cooling or power requirements, just power the APs and routers
- Lower cost of entry—eliminate large upfront CAPEX with flexible OPEX plans
- Integrated tools like a Planner, Packet Capture and Client Tracker enable easy scoping, deployment and troubleshooting without additional expense
- Accessible via a web browser on Windows, Linux, or Mac OS X, providing an application-like interface to manage the device from anywhere
- Spectrum analysis to detect and identify non-wi-fi sources of interference at 2.4GHz or 5GHz
- **New!** Intuitive, unified management interface for wireless, routing, VPN, IP address management, security, and local wired network

Contact us today to learn how your organization can benefit from Aerohive networking solutions.

[1]HiveManager Online has all of the features of the stand-alone HiveManager except Virtual HiveManager.

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Product Features

Easy Administration

- Online management platform can be configured in minutes
- Grows with your deployment; scales from one AP to thousands—cost effectively
- Web-based administration with AJAX support for easy browser-based access combined with application-style interaction
- Single sign-on access via MyHive provides access to HiveManager Online, support forums, and staging server
- Integrated Wi-Fi Planner Tool to design AP placement
- Customizable dashboard and reporting interface

Simple Central Management

- Single central management instance for thousands of APs
- Powerful policy templating feature enables updates to entire groups of APs with a few clicks
- Simple centralized firmware upgrades with distributed download functionality to decrease WAN utilization and download time
- Network maps enable easy visualization of topology and status

Security and Privacy

- Customer and network data is private and secure
- No customer traffic traverses Aerohive's network

Reliability

- Multiple SAS 70 Type II, Tier-4 data centers for regional access and data privacy
- High availability redundancy and 24x7 monitoring

Zero Config Installation AP Deployment

- Just plug-in the APs—they automatically connect to the cloud for provisioning
- The staging server redirects APs to the right HiveManager Online account or a customer's on-premise HiveManager

Granular Control

- Detailed user-based policy for QoS and security
- Multiple administrative accounts with granular role-based administration
- Automatic and flexible IP address allocation and distribution across entire remote branch network and automatic and flexible L3 IP address allocations and distribution across entire remote network

Reporting and Monitoring

- Configuration audit capabilities ensure all configurations are up to date
- Central collection and alerts of rogue and external APs and clients
- Real-time monitoring of alarms and events from the APs
- TeacherView Application included to monitor and redirect student wireless clients during class time
- Subscription and support license status summary
- Spectrum analysis to detect and identify typical non-Wi-Fi sources of interference

Feature Comparison

FEATURE	EXPRESS	ENTERPRISE
Wi-Fi Alliance certified "WPA2 Enterprise"	Yes	Yes
Full user policy configuration	Yes	Yes
Number of policy configurations per SSID	1	Up to 64
Multiple VLANs per SSID	Yes[2]	Yes
The ability for different SSID sets to be applied to different APs	No	Yes
Full 802.1X authentication capability with fast roaming	Yes	Yes
Authentication against external user authentication database (i.e. Active Directory, LDAP, etc)	Yes	Yes
RADIUS with Active Directory, LDAP, Open Directory, eDirectory integration	No	Yes
TeacherView Cart	No	Yes

[2] Assigned via RADIUS attribute

SKU	DESCRIPTION
HiveManager Online Service	
AH-HMOL-EX-1AP-1YR	**HiveManager Online Express** for 1 AP for 1 year, includes software subscription and customer portal access
AH-HMOL-EX-1AP-3YR	**HiveManager Online Express** for 1 AP for 3 years, includes software subscription and customer portal access
AH-HMOL-EX-1AP-5YR	**HiveManager Online Express** for 1 AP for 5 years, includes software subscription and customer portal access
AH-HMOL-1AP-1YR	**HiveManager Online Enterprise** for 1 AP for 1 year, includes software subscription and customer portal access
AH-HMOL-1AP-3YR	**HiveManager Online Enterprise** for 1 AP for 3 years, includes software subscription and customer portal access
AH-HMOL-1AP-5YR	**HiveManager Online Enterprise** for 1 AP for 5 years, includes software subscription and customer portal access
AH-HMOL-1AP-UG-1YR	**HiveManager Online upgrade** from Express to Enterprise for 1 AP for 1 year, includes software subscription and customer portal access