HiveManager 8.2r1 Release Notes

Release date: December 22, 2017

Release versions: HiveManager 8.2r1

Hardware platforms supported: AP110/120, AP122/122X, AP121/141, AP130, AP150W, AP170, AP230, AP245X, AP250, AP320/AP340, AP330/AP350, AP370/AP390, AP550, AP1130, BR100, BR200, BR200-WP, BR200-LTE-VZ, SR2024P, SR2124P, SR2148P, VPN Gateway Physical Appliance, and VPN Gateway Virtual Appliance.

New Features and Enhancements

This release introduces the following new features and enhancements:

- **HiveOS 8.2r1 Support**: This release of HiveManager supports devices running HiveOS 8.2r1.
- **AP122X Support**: HiveManager 8.2r1 introduces support for the AP122X, a 2x2:2 802.11ac access point with integrated BLE (Bluetooth Low-energy), a USB interface, and external antennas.
- **Private Client Groups**: This release features PCG (Private Client Groups), which allows a single SSID used throughout a multi-tenant environment to be segmented to create smaller, per-unit networks that are logically separate using PPSK-to-AP binding. PCG provides for the deployment of many private networks without the proliferation of SSIDs and management traffic overhead.

New Hardware

This release adds support for the AP122X access point running HiveOS 8.2r1 or later.

Changes in Behavior

With this release, the following changes in behavior or appearance are implemented in HiveManager 8.2r1:

- **STP (Spanning Tree Protocol)**: STP is disabled by default in HiveManager 8.2r1. Because the MAC OUI of the Aerohive AP150W is numerically higher than most common switch vendors, adding an AP150W to a network can sometimes force the network to elect the newly added AP150W as the new root switch, which cause network reconvergence and might result is loss of connectivity during the convergence process.
- **Security and Performance**: HiveManager 8.2r1 includes a number of improvements intended to strengthen the security and to improve the overall performance of many of the core tasks.

Upgrading HiveManager Software

Aerohive supports upgrading to the 8.2r1 HiveManager software from HiveManager 6.5r1 releases or later. If your system is running an image earlier than 6.5r1, follow the steps in the 6.5r1 Aerohive release notes to upgrade HiveManager to 6.5r1 before upgrading your system to 8.2r1.

Upgrade HiveManager 6.5r1 or later to 8.2r1

Use the following procedure to upgrade a HiveManager standalone or HA pair.

From	Action	To
HiveManager 6.5r1 or later	Upgrade to HiveManager 8.2r1.	HiveManager 8.2r1
HiveOS 6.5r1 or later	Use HiveManager running HiveManager 8.2r1 to manually upgrade managed devices to HiveOS 6.5r8.	HiveOS 6.5r8

	Upgrading the HiveManager Appliance
1	Back up your database as a safety precaution. Navigate to **Home > Administration > HiveManager Operations > Back Up Database**.
2	Save the 8.2r1 HiveManager software file to a directory on your management system or SCP server. (Log in and download the 8.2r1 HiveManager software file from the Aerohive Support page.)
3	Log in to HiveManager running 6.5r1 or later and then upload the 8.2r1 HiveManager software file. To update HiveManager, click **Home > HiveManager Operations > Update Software**, select the method to upload the HiveManager software, and then click **OK**. When the upload is complete, HiveManager automatically reboots to activate its new software.
4	HiveManager periodically checks for new HiveOS firmware releases that it can download to itself for distribution to managed devices. If HiveManager is connected to the Internet, it automatically obtains HiveOS firmware image files for every type of managed device from the Aerohive update server and HiveManager makes the image files available in about 15-30 minutes, depending on how many image files it is downloading and its connection speed to the server. To update the HiveOS firmware image files manually, log back in to HiveManager, select the device or devices of the same type for which you want to update the HiveOS firmware, click **Update > Advanced > Upload and Activate HiveOS Firmware**, select the appropriate HiveOS image from the list for the selected device type, and then click **Upload**. If the firmware is not available in the list of HiveOS images, click **Add/Remove** and obtain the HiveOS image you want from the update server, your local directory, or SCP server. If you are managing various Aerohive device types, repeat the upload process for all your managed devices, and then reboot them to activate their new firmware.

Documentation

Aerohive provides a way for you to view the Help system on a mobile device. The Aerohive Help is designed to be responsive, so in cases where viewing the Help system in a browser is inconvenient or impossible, you can view the Help content on your smart phone or tablet.

Known Issues in HiveManager 8.2r1

There are no known issues in this HiveManager release.

Addressed Issues in HiveManager 8.2r1

The following issues were addressed in the current and previous HiveManager releases.

Addressed Issues in HiveManager 8.2r1

CFD-2921	Administrators were unable to add SSIDs to HiveManager Express.
CFD-2911	Wired clients did not appear properly on the router monitoring page.
CFD-2905	An admin could not update an AP122 configuration after upgrading to HiveManager 8.1r2a.
CFD-2872	HiveManager sometime displayed an error message with an admin attempted to view presence analytics data.
CFD-2867	LED Color menu closes before an admin can choose a color.
CFD-2866	Administors running HiveManager 8.1r2 sometimes could not upload configurations containing accented UTF-8 characters.
CFD-2848	HiveManager did not remove the default SNMP community (hivecommunity) when a new community was defined.
CFD-2812	APs, whose 2.4 GHz radios were off, appeared on HiveManager maps as having their radios on and using a channel.
CFD-2797	When configuring Aerohive devices to act as RADIUS servers, HiveManager neither displayed the server role properly, nor allowed the admin to change the current server role of existing servers.