HiveOS 8.2r1 Release Notes

Release date: December 22, 2017

Release versions: HiveOS 8.2r1

Hardware platforms supported: AP122, AP122X, AP130, AP150W, AP230, AP245X AP250, AP550 and AP1130

Management platforms supported: HiveManager 8.2r1 and later, and HiveManager NG 11.29 and later

New Features and Enhancements

This release introduces the following new features and enhancements:

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. PCG provides for the deployment of many private networks without the proliferation of SSIDs and management traffic overhead.

Syslog Improvements: Syslog messages have been clarified to be more informative to the admin during an activity audit. In addition, CAPWAP and SNMP trap APIs have been improved so that trap messages that are sent to the Syslog server contain more useful information.

Security and Authentication Improvements: HiveOS application connection algorithms have been improved to allow only the most secure connections between HiveOS devices, using TLS v1.2. Because this can create compatibility issues with HiveOS devices that are not running HiveOS 8.2r1 or later, Aerohive recommends that all relevant device be upgraded to HiveOS 8.2r1 or later to take advantage of the more secure connection constraints.

Troubleshooting Enhancements: HiveOS devices running HiveOS 8.2r1 now support the inclusion of AMRP (Advanced Mobility Routing Protocol) information when exporting troubleshooting information using the show tech command. The AMRP information provided includes useful VLAN usages and client connection information that administrators can use to pinpoint connection and performance issues in a network.

Voice Enterprise Capability Improvements: Devices running HiveOS 8.2r1 or later now support Voice Enterprise features (802.11k, 802.11r, and 802.11v), regardless of whether Voice Enterprise certification is available for the device. For example, even if a particular AP is not certified for Voice Enterprise, an admin can enable Voice Enterprise features any time the features are needed but certification is not required.

AP122X Support: HiveOS 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.

SMBv2 Support: Earlier this year in response to the WannaCry vulnerability Microsoft removed support for SMBv1, which is what HiveOS historically has used for Active-Directory integration. This release restores support for Active-Directory so that customers no longer have to choose between leaving their Active-Directory servers exposed to this vulnerability or to deploy a standalone RADIUS server.

Change in Behavior

Hotspot 2.0 Improvements: Hotspot 2.0 is now enabled by default in the following devices: AP122, AP122X, AP130, AP150W, AP230, AP245X AP250, AP550 and AP1130.

Known and Addressed Issues in HiveOS 8.2r1

The following tables list known and addressed issues in HiveOS 8.2r1.

Known Issues in HiveOS 8.2r1

HOS-11615	An admin cannot add a new NAS (network access server) list unless the local RADIUS server is first disabled and then re-enabled.
HOS-11450	When tunneling wired guest traffic to a DMZ on a AP150W, the clients do not receive the appropriate IP address and tunneling is not successful. **Workaround**: Have clients connect to the wireless interfaces for tunneling guest traffic.
HOS-11138	Enabling Bonjour Gateway on an AP150W or AP122 can cause those devices to report excessively high CPU loads. **Workaround**: Because Bonjour Gateway is a legacy feature than is generally unnecessary, you can either disable Bonjour Gateway, or relocate Bonjour Gateways to a higher-powered access point such as an AP550.
HOS-11087	On the AP150W, if Client Monitor is performed against multiple clients concurrently, the access point occasionally loses the CAPWAP connection to HiveManager.
HOS-11004	Remote Packet Capture on the AP150W can only capture traffic from wireless interfaces.

Addressed Issues in HiveOS 8.2r1

HOS-11248	For the AP150W, the rate limiting settings for Eth2 and Eth3 do not appear after running a `show running config` command.