HiveOS 8.3r4 Release Notes

Release date: May 11, 2018

Release versions: HiveOS 8.3r4

Hardware platforms supported: Atom AP30, AP122, AP122X, AP130, AP150W, AP230, AP245X, AP250, AP550 and AP1130

Management platforms supported: HiveManager NG 12.8.0.27 or later

New Features and Enhancements

This release introduces the following new features and enhancements:

Mesh Status LED Behavior: The Atom AP30 now indicates the mesh link status by the blink rate and color of the status LED. If the mesh signal is less than an established threshold, the status LED will slowly alternate between white and amber.

Syslog Recovery: Syslog functionality in HiveOS 8.3r4 has been rolled back to the functionality that was present in HiveOS 8.0r2 with identical CLI commands and syntax.

Captive Web Portal Bypass and Redirection: To allow devices that cannot interact with captive web portals, this release of HiveOS features the ability to bypass captive web.

AP230 Power Limit: HiveOS 8.3r4 includes increases in the power limits of AP250 channels 36-48 in accord with the new FCC rules.

AP Host Name in Beacon: Access points running HiveOS 8.3r4 now include their host names in beacon frames. This feature can be useful during site surveys and troubleshooting efforts.

AP122X DFS Support: HiveOS 8.3r4 now supports DFS channels on AP122X access points.

Atom AP30 DFS Power: The DFS channel power limits have been updated in this release.

Known and Addressed Issues

Known Issues in HiveOS 8.3r4

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 an 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, AP122 or AP122X can cause those devices to report excessively high CPU loads. **Workaround**: Because Bonjour Gateway is a legacy feature that is unnecessary in most environments, you can either disable Bonjour Gateway, or relocate any existing Bonjour Gateways to higher-powered access points such as the 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 8.3r4

CFD-3140 CFD-3129	AP550 access points sometimes spontaneously rebooted.
HOS-13111	Under certain circumstances when using RADIUS-based authentication, some wireless clients did not complete DHCP negotiations successfully, and did not acquire an IP address.
HOS-12459	AP550 access points sometimes assigned WiFi radio channels separated by too narrow a separation.

Addressed Issues in HiveOS 8.3r3

CFD-3181	HiveOS devices did not properly respond to some Disconnect-Request and Change-of-Authorization packets.
CFD-3155	ID Manager users were unable to authenticate because HiveOS was using an incorrect IDM Proxy address.
HOS-13135	The ARP tables of devices running HiveOS 8.3r2 sometimes did not update properly after receiving unicast ARP requests.
HOS-13117	When an admin entered the command `show interface wifix multicast`, HiveOS only returned a maximum of 21 IGMP groups.
HOS-12955	Atom AP30 could only auto-join an existing HiveOS network as a mesh AP if at least one portal AP had already been updated to HiveOS version 8.3r2.

Addressed Issues in HiveOS 8.3r2

CFD-3076	AP245X access points operating on the 2.4 GHz band were experiencing very high airtime utilization in some regions.
CFD-3061	The RADIUS Service-Type attribute was not set properly within Access-Request and Accounting-Request packets.
CFD-3042	IP-Policy Layer 7 IPv6 rules whose source address value was "any" did not function properly.
CFD-3039	AP245X access point running HiveOS 8.2r1 sometimes stopped forwarding client traffic to the network, resulting in a loss of client connectivity.
CFD-3034	HPE/Aruba ClearPass did not function properly when MAC authentication was used.
CFD-3017	IP address byte order in Layer 7 log entries was reversed.
CFD-3015	HiveManager NG allowed an admin to enter a 32-character user profile assignment group name, but returned an error after the attempt.

CFD-3001	AP550 access points were not drawing the correct PoE power from the PSE when LLDP was enabled.
CFD-2980	Clients connected to some APs running HiveOS 8.2r1 were experiencing intermittent packet loss on the 2.4 GHz band.
CFD-2973	Some devices were able to connect to AP230 and AP330 access points, but not to AP250 access points with similar configuration.
CFD-2945	The AP150W did not correctly negotiate 802.3at power levels when using LLDP-MED.
CFD-2924	AP250 access points running HiveOS 8.1r2a were experiencing high CPU utilization.
CFD-2910	Devices using the Taiwan country code (158) did not support DFS
CFD-2877	AP230 access points running HiveOS 6.5r8 sometimes rebooted spontaneously.
CFD-2826	AP130 access points were experiencing very high CPU utilization.
CFD-2644	When an admin created Diffserv marker maps, traffic was not prioritized properly according to the Diffserv mapping.
HOS-12634	Zero-DFS did not function as expected when the AP was in dual mode.
HOS-12623	When an AP150W was operating as a mesh point, client devices had to reassociate to the AP150W whenever the mesh link with the portal AP became disconnected.
HOS-12617	When an admin entered `bonjour-gateway priority` in the CLI, the AP122X was not listed in the list of devices and priorities.
HOS-12459	When an AP550 was operating in Dual-5 GHz mode, it sometimes chose channels that were too close together, increasing the likelihood of interference and reducing overall client performance.
HOS-12259	Sometimes, APs did not back off the transmit power because they could not detect a neighboring device operating on another channel.

Addressed Issues in HiveOS 8.3r1

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