HiveOS 6.6r2 Release Notes

Release Date: November 21, 2015

Release Versions: HiveOS 6.6r2

Platforms supported: AP130, AP230, AP330, AP350, AP1130, BR200, BR200-WP, BR200-LTE-VZ, SR2024, SR2024P, SR2124P, SR2148P, VPN Gateway Appliance, VPN Gateway Virtual Appliance

HiveManager platforms supported: HiveManager NG

These are the release notes for HiveOS 6.6r2 software. Known issues are described in "Known Issues" on page 2 and "Addressed Issues" on page 2.

HiveManager NG is currently the only platform that can manage HiveOS 6.6r2.

New Features and Enhancements

The following changes to behavior and appearance have been introduced in the 6.6r2 releases:

HiveOS Accounting and Data Limits: HiveOS 6.6r2 reports client data usage information directly to HiveManager NG, which then tracks usage. When a client reaches its pre-configure data usage limit, HiveManager NG broadcasts a disconnect message to the APs so that the associated AP can force the client off the network and the other APs prevent it from reconnecting elsewhere.

PPSK Authentication Enhancement: When a user authenticates to a network using PPSK, if the user cannot be authenticated on the local access point, then the authentication request is send to the authentication services in the cloud.

Known Issues

The following known issues were found in the HiveOS 6.6r2 release.

Known Issues in HiveOS 6.6r2

HOS-5200	Aerohive devices demonstrate small, but constant packet loss in active VoIP sessions when there is simultaneous lower-priority traffic, for example, background file transfers and streaming video.
HOS-2631	The 802.11r implementation requires client devices that connect to the network to support fast BSS transition in their wireless hardware drivers. There is an issue with clients who are running outdated versions of the Intel 6300N drivers connecting to Aerohive APs when 802.11r is enabled on the APs. WA: There are two workarounds for this issue. Either disable 802.11r on the APs or upgrade the client Wi-Fi drivers to the latest version.
HOS-2570	There is an issue with creating PPSKs (Private Pre-shared Keys) when you enable an AP as an ID Manager authentication proxy and then apply an SSID that includes 802.11r. WA: Disable 802.11r on all APs configured as an ID Manager authentication proxies.
HOS-2454	SR Series switch ports support either HivePort or spanning tree, but not both. WA: Configure either HivePort or spanning tree on a switch port.

Addressed Issues

The following issues were addressed in the HiveOS 6.6r2 release.

Addressed Issues in HiveOS 6.6r2

CFD-1272	DHCP services using NAT did not function properly on Aerohive devices after being upgraded to HiveOS 6.6r1.
HOS-2747	Some third party Beacons (such as those from RADIUS Networks) were not detected by the HiveManager iBeacon Monitor when using their vendor-supplied firmware.

Addressed Issues in HiveOS 6.6r1

CFD-1146	The BR200-LTE-VZ router improperly reported a loss of CAPWAP connectivity to HiveManager while Aerohive devices behind the router remained connected.
CFD-1111	The default user profile attribute was overridden by the HivePass captive web portal.
CFD-1079	When a user was a member of a large number of Active Directory groups, the RADIUS Access-Challenge packets, which contain user group information, exceeded an established size limit and were dropped.

CFD-1078	On networks that required a web proxy server, administrators were unable to update device HiveOS software using the automatic update process in HiveManager. Instead, administrators were required to download HiveOS images manually to update devices.
CFD-1052	Adding a new network to a BR200-WP caused the WAN interface to go down. This issue has been addressed.
CFD-1001	Changes made to the transmit power settings of an AP230 in HiveManager did not persist after a reboot.
CFD-977	In installations in which there were multiple locations, but only one AP per location, APs were not properly electing a designated AP. This issue has been addressed.
CFD-949	Wired 802.1X clients that were directly connected to Aerohive switches were not authenticating after the extended system up time expired.
CFD-900	AP230s sometimes transmitted probe responses at data rates that were disabled in the configuration.
CFD-899	ACSP (Aerohive Channel Selection Protocol) was not reporting non-Aerohive access points in the ACSP neighbor list.
CFD-896	Configuring an Aerohive device acting as a DHCP server to use ARP (Address Resolution Protocol) to detect IP address conflicts caused the device to no longer respond to DHCP discovery packets.
CFD-859	AP330s were transmitting multicast traffic at data rates that were lower than the configured basic data rates.
CFD-848	Clients connecting to an AP230 were sometimes unable to obtain a DHCP address.
CFD-829	An issue with the accuracy of the usage statistics displayed by the *Usage by Location* and *Usage by SSIDs* widgets on the *Dashboard* was corrected.
CFD-796	There was a mismatch when APs reported disconnected clients in SNMP and connected clients in the CLI (command line interface). This issue has been addressed.
CFD-742	Under certain conditions, AP330s sometimes reported incorrectly that interference was higher than it actually was.
CFD-715	Certain legacy 2.4 GHz wireless clients in protection mode experienced high packet loss due to a hidden node issue. This issue has been addressed.