

# AEP 1.3.3 Release Notes

## What's New

**WARNING:** Do not insert the MTAC-LoRa-H card into a Conduit running AEP version 1.3.3 or older firmware. There is a firmware bug that crashes the mts-io kernel module during boot, and prevents initialization of much of the software running on the Conduit. This bug is fixed in AEP version 1.4.1. The MTAC-LoRa-H card can be safely used on AEP version 1.4.1 or newer.

## Fix for Enabled Node-RED on upgrades

In the AEP-1.3.2 firmware there was an issue that defaulted Node-RED to disabled after upgrade. The default has been changed to enable Node-RED after the upgrade. This is the only change between AEP-1.3.2 and AEP-1.3.3.

## Custom Application Support

Beyond support for Node-RED applications on AEP Conduit there is also a need to provide support for users to build their own custom applications in the supported language of their choice and to be able to remotely install, upgrade, downgrade, and uninstall their application(s). Remote provisioning is also an important requirement for enterprises that need to put thousands of similar, if not identical, devices into production. The Custom Application Support on AEP 1.3.2 is a big step in helping customers create custom applications that they can support remotely. For more information on creating a custom application: <http://www.multitech.net/developer/software/aep/creating-a-custom-application/>

This feature provides support for starting, stopping of custom applications and can be used to create full-blown applications that integrate with a Linux based system or to install packages that are needed by Node-RED applications or other applications.

## Configuration File Management for Custom Applications

Support has been added to DeviceHQ for a customer to upload a custom configuration file, associate it with a specific application, and queue up a download of that configuration file to a device with the application installed, and install that configuration file in the applications config directory.

## Partial Configuration Upload/Download

Partial Configuration Update has been added to provide the ability to manipulate device configuration files on a value by value basis. The AEP Conduit has been updated to upload it's configuration file on check-in to DeviceHQ (if it is determined that the configuration has changed from what is currently on DeviceHQ). Web UI support has been added to DeviceHQ to support editing an uploaded configuration file and change a limited set of configuration values. This partial configuration (the values that changed), will then be downloaded to target devices that support partial configuration specified by the customer by queuing up the partial configuration download action on DeviceHQ.

## Miscellaneous Enhancements and Bug Fixes

Numerous enhancements and bug fixes have been integrated into AEP 1.3.2 in a number of areas

including the LoRa user interface, LoRa network server upgrade to version 1.0.13, and upgrading strongswan to 5.3.2. For a more detailed list of changes go to

<http://www.multitech.net/developer/software/aep/aep-firmware-changelog/>