

Hanoi 1.3.1 (Bug fix dot release)

This release includes a few issues identified after the Hanoi release came out in November 2020. This is a bug fix only release.

Bug Fixes in this release

- In Core Metadata, callbacks were added so that changes to AdminState or OpState would notify associated device services. (see [issue 2880](#))
- In services using MQTT for message bus access, a fix was added to resubscribe to topics on reconnect. (see [issue 80](#))
- The ZeroMQ library used in several EdgeX services was upgraded to v1.2.2 due to a bug in the old library that caused the services to error when the OS sent an interrupt signal. (see [issue 76](#))
- The EdgeX CLI was missing a configuration.toml file under the project's /res directory. (see [371](#))

While still in development, the EdgeX Ready program will be announced soon. The EdgeX Ready program allows users of EdgeX Foundry to demonstrate some familiarity with the platform and be recognized by the community for the accomplishment. See [EdgeX Ready](#) for details on the program and stay tuned for more details.

SDK Dot Releases

The SDKs were also released during the dot release period. Please note that device and application functions SDKs can and do release minor versions independently.

- C SDK, DS: 1.3.1
- Go SDK, DS: 1.4.0
- App Functions SDK: 1.3.1

Device and Application Services

These services were released during the dot release cycle. Please note that device and application services can and do release minor versions independently.

Check with the release notes for the SDKs for details on changes and issues addressed in each of the SDK minor releases.

- device-modbus-go v1.3.1
- device-mqtt-go v1.3.1
- device-random v1.3.1
- device-virtual-go v1.3.1
- device-snmp-go v1.3.1
- device-bacnet-c v1.3.1
- device-rest-go v1.2.1
- device-camera-go v1.2.1
- device-grove-c v1.3.1