

Geneva Release

Delivery: ~ April 2020

The Geneva release will be a major release (version 2.0) and will focus on clean up of the APIs, testing, and automated device provisioning..

Release Themes and Objectives

- Improved Security
- Interoperability testing
- Dynamic device provisioning/on-boarding
- Alternate messaging support (to OMQ)
- Archive of Export Services - in favor of Application Services which was implemented with the Edinburgh and Fuji releases
- DevOps will move CI/CD to Jenkins Pipelines
- Request/response changes and API redefinition
- Providing EdgeX users guidance on platform needs, sensor data throughput and deployment based on performance metrics. Specifically, with the Geneva performance testing apparatus, the EdgeX community will be able to answer these questions for the user:
 - 1) Will EdgeX fit on my system? - size of EdgeX services, infrastructure, etc. and hardware/platform requirements
 - 2) What is the speed of data through the system? - from device service sensor data ingestion to the rules engine and back down through command to another device service to trigger a put command, how long does this take?
 - 3) How many "things" can be processed at a time? – with caveats on the type of thing, type of data, etc.
 - These questions need to be answered on real hardware (both Intel and ARM)
- Provide an alternate local analytics service (archiving the Java-based rules engine service)