

# ELIOT Release 2 - IoT Gateway Release Notes

## Release Notes for ELIOT IoT Gateway Blueprint

### Summary

In ELIOT - IoT Gateway Blueprint Release 2.0, providing bootstrap scripts to setup ELIOT Cluster in Ubuntu , Cent OS and Minimal OS, ELIOT Portal for Operation and Management of ELIOT Cluster and ELIOT CLI providing command line operations for setting up of ELIOT Cluster.

In this release IoT Gateway Node is integrated with EdgeX Platform and OPC-UA IoT Platform Unified Protocol Architecture.

### What is released

#### Components of the release (Akraino new)

##### ELIOT Platform Common Components -

- ELIOT UI (Version 0.1)
- ELIOT Command Line Interface. (currently only supported for IoT Gateway Blueprint and for Ubuntu OS).

##### ELIOT IoT Gateway Node Components -

- EdgeX Platform Integration
- OPC-UA Integration

#### Dependencies of the release (upstream version, patches)

- KubeEdge
- Kubernetes

### Upgrade Procedures

The ELIOT Cluster installed using Release 1.0 packages has to be uninstalled using uninstall scripts provided in the Release 2.0 . After uninstall need to execute the setup script or setup CLI command. Details given in Installation Document.

### Release Data

#### Enhancements

#	Feature	Category	Description
1	ELIOT Cluster Setup Script.	Function Enhancement	The bootstrap setup script was enhanced to support installation on Cent OS
2.	ELIOT Cluster Setup Script in Tailored OS	Testable Requirement	In bootstrap setup script was tested on Tailored OS (Installed on IoT Gateway Node)

#### Functionality changes

Not Applicable

#### Upstream Software Version Changes

#	Name	Category	Description
1.	Kubernetes Version upgrade	Software Enhancement	Kubernetes version upgraded from 1.13 to 1.16
2	Kubernetes CNI Version upgrade	Software Enhancement	Kubernetes-cni version upgraded to 0.7.5

#### New Features

#	Name	Category	Description
1.	ELIOT Portal	Platform Feature	ELIOT Portal is released which provided UI for ELIOT Cluster Operation and Management.
2.	ELIOT CLI	Platform Feature	ELIOT CLI to provide command line interface options to handle ELIOT Cluster setup, cleanup and reset. ELIOT CLI only supports Ubuntu OS.

3.	EdgeX Integration	Platform Integration Feature	ELIOT IoT Gateway Node supports EdgeX Platform.
4.	OPC-UA Integration	Platform Integration Feature	ELIOT IoT Gateway Node OPC-UA Protocol Server and Client

## Version change

2.0.0

## Module version changes

N/A

## Document Version Changes

Version No.	Date	Author	Rationale
0.1	28-May-2019	ELIOT Blueprint Team	First Draft
0.2	22-Nov-2019	ELIOT Blueprint Team	Second Draft

## Deliverable

### Software Deliverable

Software is available in <https://gerrit.akraino.org/r/admin/repos/eliot>

### Documentation Deliverable

- [ELIOT IoT Gateway Architecture Document](#)
- [ELIOT IoT Gateway Installation Document](#)
- [ELIOT IoT Gateway Release Notes](#)
- [ELIOT IoT Gateway Test Document](#)

### Fixed Issues and Bugs

<https://jira.akraino.org/projects/ELIOT/issues/ELIOT-13?filter=allopenissues>

## Known Limitations, Issues and Workarounds

### System Limitations

N/A

### Known Issues

N/A