

# USC: Beryllium: Release Notes

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## Major Features

- USC Agent provides proxy and agent functionality on top of all standard protocols supported by the device. It initiates call-home with the controller, maintains live connections with the controller, provides demux/mux for packets with the USC header, and authenticates the controller.
- USC Plugin is responsible for communication between the controller and the USC agent . It responds to call-home with the controller, maintains live connections with the devices, acts as muxer/demuxer for packets with the USC header, and provides support for TLS/DTLS.
- USC Manager handles configurations, high availability, security, monitoring, and clustering support for USC.
- USC UI is responsible for displaying a graphical user interface representing the state of USC in the OpenDaylight DLUX UI.

## Target Environment

### For Agent

- The USC Agent C Code is available at [https://github.com/rchuppala/usc\\_agent](https://github.com/rchuppala/usc_agent)
- Follow the README instructions to build, install, and execute.

### For Execution

- Requires Java 7 compliant runtime environment.
- Follow the OpenDaylight Beryllium installation and user guide documentation to install OpenDaylight Beryllium including USC features.

### For Development

- Requires Java 7 compliant runtime environment, Maven version 3.1.1.
- Follow the OpenDaylight Beryllium installation and user guide documentation to install OpenDaylight Beryllium including USC features.
- USC UI development requires DLUX set up in developer mode: [DLUX Developer Mode](#)

## Known Issues and Limitations

- [3402](#): USC features has configuration issues with 3-node cluster environment.

## Testing methodology

- Code is covered by unit and integration tests
- System Tests are performed by CSIT jobs using java test agent.

## Changes Since Previous Releases

External facing functionality not changed since previous release, including external user facing API and configurations.

## Bugs Fixed in this Release

[Bug Report](#)

## Migration from Previous Releases

Nothing beyond general Beryllium migration requirements.

## Compatibility with Previous Releases

Nothing beyond general Beryllium compatibility constraints.

## **Deprecated, End of Lived, and/or Retired Features/APIs**

Nothing deprecated, EOL.