

Cardinal: Boron: Release Review

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Features

- Feature Name: odl-cardinal
 - Feature URL: <https://git.opendaylight.org/gerrit/gitweb?p=cardinal.git;a=blob;f=features/src/main/features/features.xml;h=3826e13be42ec70c8e4954736c69b10db30c739f;hb=HEAD>
 - Feature Description: Cardinal (OpenDaylight Monitoring as a Service) enables SDN Controller - OpenDaylight (ODL) to be remotely monitored by deployed Network Management Systems (NMS) or Analytics suite. Cardinal-Boron includes

```
# Cardinal support for agents - snmpd, snmptrapd (3rd party library) for multi-platform support
# Cardinal support for ODL System info
# Cardinal support for ODL Karaf threads and memory
# OpenDaylight MIB in experimental branch - manual created MIB for Cardinal
# Cardinal support for ODL Karaf features and bundles
# Cardinal support for ODL MD_SAL - Plug-ins (IoTDM)
# Cardinal REST support for defined Cardinal MIB
```

- Top Level: Yes
- User Facing: Yes
- Experimental: Yes
- CSIT Test: <https://git.opendaylight.org/gerrit/#/c/41204/>

Non-Code Aspects(user docs, examples, tutorials, articles)

- Release notes
 - [Link to Cardinal Release Notes](#)
- Installation Guide(s)
 - Installation procedure is the same as applicable for OpenDaylight. The additional command to be executed for Cardinal feature installation is as follows: *feature:install odl-cardinal*
- User Guide(s)
 - [Link to Cardinal User Guide](#)
- Developer Guide(s)
 - [Link to Cardinal Developer Guide](#)

Release	Release Plan	Release Notes	Release Review	Manual Integration Testing	Installation Guide	User Guide	Developer Guide	CSIT Test Suite
Boron	Release Plan	Release Notes	Release Review	Manual Integration test	Refer Note (1)	User Guide	Developer Guide	Test Cases

Note (1): Installation procedure is the same as applicable for OpenDaylight. The additional command to be executed for Cardinal feature installation is as follows: *feature:install odl-cardinal*

Architectural Issues

- N/A

Security Considerations

- In Future release the aim is to support SNMPv3 to enable secure communication (encryption and authentication) in OpenDaylight-Cardinal inter-working to 3rd party applications (NMS et. al.)

Quality Assurance (test coverage, etc)

- Unit testing is done for all features. Unit test coverage is <to be updated> %.
- Unit testing: Used JaCoCo for code coverage visibility

- Manual system tests performed with success.
- No blocking issues identified as yet.

End-of-life (API/Features EOled in Release)

As this is the first release of Cardinal in ODL, there are no EOL APIs nor features in this release.

Bugzilla (summary of bug situation)

- [\[Open bugs for Cardinal - Bugzilla report\]](#)
- Boron-RC2 defect: [Null pointer exception when installing odl-cardinal feature \(6586\)](#) - **Resolved Fixed**
- Boron-RC2 defect: [ArrayIndexOutOfBoundsException in Karaf Console \(6618\)](#) - **Resolved Fixed**

Standards (summary of standard compliance)

Not applicable

Schedule (initial schedule and changes over the release cycle)

The project's mostly complied with its schedule.

List of all subpages

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