Cardinal

Welcome to Cardinal

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Introduction

Cardinal (OpenDaylight Monitoring as a Service) enables SDN Controller - OpenDaylight (ODL) and the underlying software defined network to be remotely monitored by deployed Network Management Systems (NMS) or Analytics suite.

Project Information

Project Proposal (entered as Incubation project on 2016-03-31)

Git patches and reviews

Jenkins

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
Carbon	Release Plan	Release Notes	Release Review	Manual Integration test	Refer Note (1)	User Guide	Developer Guide	Test Cases
Nitrogen	Release Plan							

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*

If you'd like to attend our weekly calls, please send an email to srivastava.rajani@tcs.com (we are in IST - Indian Standard Time)

Architecture & Technical Overview

For High Level Design and Architecture please refer the project proposal page for more details

- Project proposal
- File:Cardinal-ODL Monitoring as a Service V1.pdf
- File:Cardinal-DesignApproach.pptx
- Steps to compile ODL-CARDINAL-MIB

People

- Subodh Roy - Subodh.Roy@tcs.com
- Rajani Srivastava - srivastava.rajani@tcs.com
- Akanksha Singh - Akanksha.10@tcs.com

Open Issues / Dependency on other Projects

- [Creation review logs] Meeting minutes

Project Facts

Project Creation Date: March 31st, 2016

Lifecycle State: Nitrogen Release (Offset 2)

Type: Application

Primary Contact: Subodh Roy (subodh.roy@tcs.com)

Project Lead: Subodh Roy (subodh.roy@tcs.com)

Committers:

- subodh.roy@tcs.com Subodh Roy, ODL userID Subodh
- srivastava.rajani@tcs.com Rajani Srivastava, ODL userID rajaniS

Mailing List: cardinal-dev@lists.opendaylight.org
Archives: mailing list archives

Meetings: See Community Meetings

Repository: git clone https://git.opendaylight.org/gerrit/cardinal

Jenkins: jenkins silo

Gerrit Patches: code patches /reviews

Bugs:

- open bugs

- [Creation review inputs] <rovarga__> There is an RFC which translates to YANG to SMIv2 which would allow YANG models to be MIBs. Having automated translation would seem like the right way to do. *Boron update This will be looked into in the future releases of OpenDaylight Cardinal. Boron release aims at getting the base framework in place for Cardinal feature.*
- [Creation review inputs] <edwarnicke> If plan is to run snmpd and snmptradp as separate processes. Why the decision was to also use snmptrapd and snmpd over Java native with snmp4j. **Action**: colindixon and edwarnicke to follow up about deployability concerns *Boron update Recommendations incorporated to include Java native libraries (snmp4j).*
- [Creation review inputs] **Action**: <colindixon> To connect Cardinal with the OpenNMS guys to see if there's a way to keep some work in common *Boron update Initial discussions were on usage of the SNMP library. As a follow-up, the usage of Java native libraries (snmp4j) unblocked the issues.*

Externally Consumable APIs

- **System Info APIs**

```
http://localhost:8181/restconf/operational/cardinal:CardinalSystemInfo/
```

- **Karaf Info APIs**

```
http://localhost:8181/restconf/operational/cardinal-karaf:CardinalKarafInfo/
```

Documentation

Getting Started for Users

Getting Started for Developers

Requirements

Release Planning

Release Notes