

NeutronNorthbound: Lithium Release Plan

Introduction

Release Deliverables

Name	Description
org.opendaylight.neutron.neutron-spi	Internal bundle implementing neutron data objects
org.opendaylight.neutron.transcriber	Internal bundle implementing copying data from northbound to subscribers
org.opendaylight.neutron.northbound-api	Bundle implementing Northbound API

Release Milestones

- Offset: 1

Milestone	Offset X Date	Deliverables		
M1	12/18/2014 (3/2/2015)	Name	Status	
		Intent to participate	Done	
		Project Lead elected	Done	
		Test Contact specified	Done	
		Candidate Release Plan	Done	
M2	1/29/2015 (3/2/2015)	Name	Status	Description
		Release Plan	Done	Final Release Plan
		Project Checklist	Done	Project Checklist completed
		OpenDaylight CI	Done	OpenDaylight CI infrastructure usage for system test
M3	3/05/2015	Name	Status	Description
		Functionality Freeze	Done	Final list of externally consumable APIs defined and documented
		Karaf Features defined	Done	Karaf feature defined
		Documentation Started	Done	Identified the kinds of documentation to be provided, created AsciiDoc files for them with outlines, and committed those files in an appropriate location (patch)
		Integration & System Test	Done	<ul style="list-style-type: none">• Project must have completed User Facing Features wiki page (done, see below)• Start system test integration: Automate controller deployment, devices provisioning and system test run. (Done - CI will be handled by in project jenkins job)

M4	4/02/2015	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>API Freeze</td><td></td><td>Final defined API</td></tr><tr><td>Documentation</td><td></td><td>Documentation: Project readouts MUST include a word count of each relevant .adoc file with a goal of draft documentation done.</td></tr><tr><td>Maven Central Requirements</td><td></td><td>Accomplished/Not Accomplished</td></tr><tr><td>Integration & System Test</td><td></td><td>Participating projects must run a simple system test on a karaf distribution with the project's recommended features installed on Code Merge</td></tr></table>	Name	Status	Description	API Freeze		Final defined API	Documentation		Documentation: Project readouts MUST include a word count of each relevant .adoc file with a goal of draft documentation done.	Maven Central Requirements		Accomplished/Not Accomplished	Integration & System Test		Participating projects must run a simple system test on a karaf distribution with the project's recommended features installed on Code Merge			
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SR2	N/A	Name	Status	Description
		Second Service Release for Lithium		
		Release Patch		Release patch to the stable/lithium branch and bump versions

Externally Consumable APIs

- OpenStack Neutron interface provided by northbound-api bundle for openstack ODL ML2 agent/plugin-in (Stable)
- [Openstack Networking Ref v2](#)
- I*Aware Interfaces provided by neutron-spi bundle for southbound providers (Stable)
- Neutron data element yang model provided by neutron-model for southbound providers (Provisional)

Expected Incompatibilities with Other Projects

None

Compatibility with Previous Releases

Removed APIs and/or Functionality

No changes

Deprecated APIs and/or Functionality

All FWaaS related interfaces and classes are being marked as deprecated in Lithium.

Changed APIs and/or Functionality

Adding Neutron data element yang model

Neutron APIs provided in Helium are unchanged in Lithium, but have been moved to the Neutron repo created in Lithium's timeframe. All projects are expected to stop using the deprecated Neutron API in controller and begin using `org.opendaylight.neutron`. More info in this work is provided [here](#).

User Facing Karaf Features List

<https://git.opendaylight.org/gerrit/gitweb?p=neutron.git;a=blob;f=features/src/main/features/features.xml;h=e54a8068d41e81e9075512e980682c1b39be55fc;hb=HEAD>

<https://git.opendaylight.org/gerrit/16144>

[NeutronNorthbound:Lithium_Lithium_User_Facing_Features](#)

Expected Dependencies on Other Projects

Neutron Northbound will depend on

- odlparent for configuration and property handling
- yangtools and controller for holding Neutron Yang Model

Test Tools Requirements

- OpenStack CI testing breaks into two parts:
 1. stable ODL/unstable OpenStack testing is the responsibility of downstream implementing projects.
 2. stable OpenStack/unstable ODL testing will be [handled by ODL integration team](#)
- Other testing will intend to be using OpenDaylight Test System