

OVSDB:Carbon Release Plan

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Introduction

https://wiki.opendaylight.org/view/OVSDB_Integration:Main

Release Deliverables

Name	Description
Code quality, stability and usability	Bug fixing, increase Sonar coverage, increase Tempest coverage
Hardware VTEP Reconciliation	Hardware VTEP configuration reconciliation
Clustering Improvements	Improving the existing clustering implementation. Exploring the singleton clustering Service.
Scalability and performance	Scalability and performance measurements and enhancement
Refactoring of OVSDB Library	OVSDB library is using the legacy code developed for AD-SAL OVSDB. It requires a refactoring to make is clean and robust.
Hardware VTEP Schema Update	Hardware VTEP schema update device for acl and I3.
Hardware VTEP Yang Improvements	Explore the possibility to improve the yang model for better performance of the plugin.
CSIT	Improvements to CSIT to cover all the features supported by OVSDB
Documentation	Provide documentation structure in OVSDB repo, so that committers can push the docs changes in the ovsdb repo. The plan is to build the documentation with the feature development.
Higher Level Abstraction Layer	Explore how OVSDB plugin can provide the higher-level abstraction to do some common operation without doing much boilerplate coding.

Release Milestones

Milestone	Offset 2 Date	Deliverables
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M1	10/27/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Intent to participate</td><td>Done</td><td>Intent to participate in Carbon Simultaneous Release</td></tr><tr><td>Project Lead elected</td><td>Done</td><td>Project Lead election</td></tr><tr><td>Test Contact specified</td><td>Done</td><td>Test Contact announced</td></tr><tr><td>Candidate Release Plan</td><td>Done</td><td>Candidate Release Plan</td></tr></table>	Name	Status	Description	Intent to participate	Done	Intent to participate in Carbon Simultaneous Release	Project Lead elected	Done	Project Lead election	Test Contact specified	Done	Test Contact announced	Candidate Release Plan	Done	Candidate Release Plan			
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M2	12/1/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Final Release Plan</td><td>Done</td><td>Final Release Plan</td></tr><tr><td>Project Checklist</td><td>Done</td><td>Project Checklist completed</td></tr><tr><td>OpenDaylight CI</td><td>Done</td><td>OpenDaylight CI infrastructure usage for system test</td></tr><tr><td>Project acknowledgement</td><td>Done</td><td>Controller, Yangtools, ODL Parents, MDSAL</td></tr></table>	Name	Status	Description	Final Release Plan	Done	Final Release Plan	Project Checklist	Done	Project Checklist completed	OpenDaylight CI	Done	OpenDaylight CI infrastructure usage for system test	Project acknowledgement	Done	Controller, Yangtools, ODL Parents, MDSAL			
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M3	1/19/2017	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Functionality Freeze</td><td></td><td></td></tr><tr><td>Karaf Features Defined</td><td></td><td></td></tr><tr><td>Documentation Started</td><td></td><td></td></tr><tr><td>Feature Test Started</td><td></td><td></td></tr></table>	Name	Status	Description	Functionality Freeze			Karaf Features Defined			Documentation Started			Feature Test Started					
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M4	2/16/2017	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>API Freeze</td><td></td><td></td></tr><tr><td>Documentation word count</td><td></td><td></td></tr><tr><td>Maven Central Requirements</td><td></td><td></td></tr><tr><td>Feature Test Continues</td><td></td><td></td></tr></table>	Name	Status	Description	API Freeze			Documentation word count			Maven Central Requirements			Feature Test Continues					
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M5	3/16/2017	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Code Freeze</td><td></td><td></td></tr><tr><td>Stability Branch</td><td></td><td>Stability branch, must be cut and local project versions bumped on the master to avoid overwriting SNAPSHOTS</td></tr><tr><td>String Freeze</td><td></td><td>All externally visible strings frozen to allow for translation & documentation</td></tr><tr><td>Documentation Complete</td><td></td><td>Only editing and enhancing should take place after this point.</td></tr><tr><td>Integration & System Test</td><td></td><td></td></tr></table>	Name	Status	Description	Code Freeze			Stability Branch		Stability branch, must be cut and local project versions bumped on the master to avoid overwriting SNAPSHOTS	String Freeze		All externally visible strings frozen to allow for translation & documentation	Documentation Complete		Only editing and enhancing should take place after this point.	Integration & System Test		
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RC0	4/13/2017	<table><tr><th>Name</th><th>Status</th></tr><tr><td>Release Candidate 0</td><td></td></tr></table>	Name	Status	Release Candidate 0															
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RC2	4/27/2017	<table><tr><th>Name</th><th>Status</th></tr><tr><td>Release Candidate 2</td><td></td></tr></table>	Name	Status	Release Candidate 2															
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RC3	5/4//2017	Name	Status	Description
		Bugfix & more		Bugfixing, samples
		Release Review		Release Review
		Release Candidate 3		
		Blocking Bugs		
Formal Release	5/11/2017	Name	Status	Description
		Formal Release		
		Release patch		Release patch to the stable branch and bump versions
SR1 Release		Name	Status	Description
		Release patch		Release patch to the stable branch and bump versions
SR2 Release		Name	Status	Description
		Release patch		Release patch to the stable branch and bump versions
SR3 Release		Name	Status	Description
		Release patch		Release patch to the stable branch and bump versions
SR4 Release		Name	Status	Description
		Release patch		Release patch to the stable branch and bump versions

Externally Consumable APIs

Artifact	Status	Description
OVSDB Southbound	Stable	MD-SAL OVSDB crud operations
Hardware VTEP Southbound	Stable	MD-SAL Hardware VTEP crud operations

Expected Dependencies on Other Projects

Providing Project	Deliverable Name	Needed By	Acknowledged?	Description
controller	features	M3	No	basic controller features
mdsal	features	M3	No	mdsal features
odlparent	features	M3	No	odlparent values
yangtools	features	M3	No	yangtools for compiling yang

Expected Incompatibilities with Other Projects

Compatibility with Previous Releases

Both the plugins (OVSDDB and Hardware VTEP) will be compatible with the previous release.

Removed APIs and/or Functionality

QoS related API's were deprecated in previous releases and they will be removed in this release.

Deprecated APIs and/or Functionality

Changed APIs and/or Functionality

Themes and Priorities

- Usability improvement
- Increasing code, unit and integration test coverage to improve code quality, stability and usability
- Scalability and performance improvements
- Documentation
- Exploring future improvement by doing proof of concept in this release.

Requests from Other Projects

Active Requests

Test Tools Requirements

System Test

This project plans on using System Test (ST) inside OpenDaylight cloud:

- the southbound piece: [test suites](#)
- scalability tests: TBD
- hwtvpsouthbound: TBD

Here is a wiki page presenting the CSIT jobs implemented in the integration/test project regarding some of those modules: [OVSDB: CSIT](#)

Unit Test

Integration Test

Cluster Test

- [CSIT Tests](#)
- [OVSDB Clustering Development Environment Setup](#)

End to end Test

Other