

Genius : Oxygen Release Plan

Contents

Release Deliverables

Name	Description	
ITM Tunnel scalability	TEP Interface	To avoid creating tunnel interfaces interface-manager, all the tunnel handling should be contained within ITM service
	Selective BFD monitoring	It should be possible to selectively enable BFD monitoring using config knobs
	Tunnel watch group support	Use of tunnel group with watch-port set as the tunnel openflow-port
	point-to-multipoint tunnel support	Use of openflow-based-tunnels without tunnel-interfaces
integration with Infracutils S-n-D framework	Interface Manager and ITM will integrate with infracutils S-n-D framework to publish their operational status.	
Project Improvements	Use new ManagedNewTransactionRunner	Use new ManagedNewTransactionRunner utility everywhere there is a DataBroker
	Use new FutureRpcResults utility	Use new FutureRpcResults utility in every RPC
	Migration from DJC to Infracutils JC	Migrate all users of @Deprecated genius DJC to infracutils JC
	Migration to Infracutils Cache	Switch to using new infracutils Cache API instead of using ConcurrentMap
	Component test Improvements	un-ignore InterfaceManagerConfigurationTest & add more tests
	Migrate to new Data Store Listeners	Migrate all users of @Deprecated Data Store Listeners to new ones

Release Milestones

- Offset:0

Milestone	Offset 0 Date	Deliverables	
M0	09/14/2017	Name	Description
		Release Plan	Candidate Release Plan
M1	10/14/2017	Name	Description
		Release Plan	Final Release Plan
M2	11/14/2017	Name	Description
		Feature Freeze	
M3	12/14/2017	Name	Description
		API Freeze	

M4	1/14/2018	Name	Description
		Code Freeze	
RC0 - RC3	2/7/2018 - 2/28/2018	Name	Description
		Candidate Stable Distribution	A running candidate of what is attempting to be the stable distribution to be blessed by the TSC.
		Extension Distribution	A running candidate of what is attempting to be the extension distribution.
Release Review	2/21/2018 - 2/28/2018	Review of project's release readiness	
Formal Release	3/7/2018	Formal Release of Oxygen	

Externally Consumable APIs

- genius/interfacemanager/interfacemanager-api
- genius/itm/itm-api
- genius/resourcemanager/resourcemanager-api
- genius/idmanager/idmanager-api
- genius/mdsalutil/mdsalutil-api

Expected Dependencies on Other Projects

GENIUS depends on following projects :

1. YANG Tools, MDSAL, OVSDB, OpenflowPlugin, Odlparent, Controller, Infratils

Expected Incompatibilities with Other Projects

None

Compatibility with Previous Releases

- Some APIs/components are marked deprecated

Themes and Priorities

Requests from Other Projects

None

Test Tools Requirements

None

Other