

ALTO: Lithium: Release Plan

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Introduction

This is the release plan of ALTO.

Release Deliverables

Name	Description
ALTO Northbound	ALTO Northbound will provide the RFC7285 RESTful/JSON API to ALTO Clients.
ALTO Model	ALTO Model defines a YANG model to capture ALTO data instances and RPCs.
ALTO Provider	ALTO Provider implements the ALTO Model.
ALTO Manager	ALTO Manager provides an interface to provision ALTO information resources stored at an ALTO Server using the OpenDayLight YANG data store.
Multi-flow Scheduler	This is an example application that uses ALTO for traffic optimization. It exercises mostly the ALTO ECS service.

Release Milestones

Milestone	Offset 2 Date	Deliverables		
M1	1/8/2015	Name	Status	Description
		Intent to participate	DONE	Intent to participate in Lithium Simultaneous Release
		Project Lead elected	DONE	ALTO Project Lead election
		Test Contact specified	DONE	ALTO Test Contact announce
		Candidate Release Plan	DONE	Candidate Release Plan.
M2	2/5/2015	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
		ALTO Northbound (RFC7285)	DONE	The RESTful interface between ALTO client and ALTO server using RFC7285
		ALTO Model/Provider	DONE	Design and implement the YANG model to store ALTO information resources. See draft-shi-alto-yang-model for models
		ALTO Manager	DONE	Interface to provision ALTO information resources
		Multi-flow Scheduler	DONE	Design an example app that implements multi-flow scheduling using ALTO info.

M3	3/19 /2015	Name	Status	Description
		Functionality Freeze	DONE	Final list of externally consumable APIs defined and documented
		Karaf Features defined	DONE	Define features are intended to be "user-facing"
		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.
		Integration & System Test	DONE	Simple system test on a karaf distribution with the project's recommended features installed.
M4	4/16 /2015	Name	Status	
		API Freeze	DONE	
M5	5/14 /2015	Name	Status	Description
		Stability branch	DONE	Stability branch, i.e., stable/lithium, must be cut and local project versions bumped on master to avoid overwriting lithium SNAPSHOTS
		String Freeze	DONE	All externally visible strings frozen to allow for translation & documentation
		Documentation Complete	DONE	Only editing and and enhancing should take place after this point.
		Code Freeze	DONE	
RC0	TBD	Name	Status	
		Release Candidate 0	DONE	
RC1	TBD	Name	Status	
		Release Candidate 1	DONE	
RC2	TBD	Name	Status	
		Release Candidate 2	DONE	
RC3	TBD	Name	Status	Description
		Bugfix & more		Bugfixing, performance improvement and other necessary / desired changes
		Release Review		Release Review
		Release Candidate 3		
Formal Release	N/A	Name	Status	Description
		Formal Lithium Release		
		Lithium OF Library		Delivery of new features inside OF Protocol Java Library
		Release patch		Release patch to the stable/lithium branch and bump versions
SR1 Release	N/A	Name	Status	Description
		Release patch		Release patch to the stable/lithium branch and bump versions
SR2 Release	N/A	Name	Status	Description
		Release patch		Release patch to the stable/lithium branch and bump versions

Expected Dependencies on Other Projects

ALTO can benefit from data made available from BPG/LS PCEP. But the Data Store provides a level of indirection to reduce coupling. Hence, we do not list BPG/LS PCEP as dependency.

In the current release, ALTO has a feature called auto-network-map that can compute a default network map from host tracker provided by l2switch.

Compatibility with Previous Releases

N/A.

Lithium will be ALTO's first release.

Themes and Priorities

This release will focus on infrastructure and base framework build.

Other