ALTO: Boron: Release Plan

Contents

Introduction

In the Boron release, the ALTO project is planning to accomplish the following tasks:

- Implement a simple path computation engine
- Implement a simple ECS based on FRM-lookup
- Implement an anchor-based map generation module
- Improve the test coverage to 20%
- Remove "core/basic/ext/" from YANG namespaces to simplify future migrations
- (Optional) Implement a ALTO service suite based on BGP
- (Optional) Implement incremental update
- (Optional) Implement ALTO cost calendar

Release Deliverables

Name	Description
alto-core	- Define the new YANG model for basic types used in ALTO - Define the models for ALTO services - Define the top-level container for ALTO services - Provide the RESTful API defined in RFC7285
alto-basic	- Provide the basic *Information Resource Directory* (IRD) service - Provide *Network Map* and *Cost Map* services that are manually configurable - Provide *Endpoint Cost Service* based on host tracker - Provide an anchor-based map generation service
alto-extension	Provide a *Simple Path Computation Engine* (SPCE) service

Release Milestones

[2]The deadline to meet and report the results of each milestone is at 23:59:59 UTC on the listed day. That corresponds to 4p or 5p pacific time.

Milestone	Offset 2 Date[2]	Events		
M1	3/24/2016	**Name**	**Description**	
		Release Plan	See Boron Release Plan for ALTO	
		Deliverable Name	See Release Deliverables	

M2	5/5/2016	Name	Description
		Release Plan	See [Boron Release Plan for ALTO](#)
		Deliverable Name	See [Release Deliverables](#)

M3	6/2/2016	Name	Description
		Feature Freeze	
		Deliverable Name	Deliverable Description

M4	6/30/2016	Name	Description
		API Freeze	
		Deliverable Name	Deliverable Description

M5	8/4/2016	Name	Description
		Code Freeze	
		Deliverable Name	Deliverable Description

RC0	N/A	Name	Status	Description
		Documentation complete		Documentation complete and reviewed
		All critical defects resolved		All "show-stopper" defects resolved, all other defects agreed to as not critical

RC1	N/A	Name	Description
		Bug fixing	Fixing only critical defects since RC0

RC2	N/A	Name	Description
		Bug fixing	Fixing only critical defects since RC1

RC3	N/A	Name	Description
		Release Review	Release Review

Formal Boron Release	N/A	Name	Description
		Deliverable Name	Deliverable Description

Externally Consumable APIs

(None)

Expected Dependencies on Other Projects

openflowplugin, l2switch (optional: bgpcep)

Expected Incompatibilities with Other Projects

May be incompatible with l2switch.

Compatibility with Previous Releases

Compatible.

Requests from Other Projects

(None)

Test Tool Requirements

mininet

Communication Channels

Mailing List

- alto-dev, a general developers list

Other

(None)