

FaaS: Boron: Release Plan

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Introduction

API

To facilitate multi fabric programming, the following new APIs are added for Boron release on top of APIs of Beryllium.

Layer 3 API

- `LR.createLogicalPort(type=ExternalGateway,ip=xxx,gw=xxx,gwmac=xxx)` - create a logical port on a logical router. it can be configured with external gateway function
- `LR.addStaticRoute(dest=default, next_hop=LP1)` - default static route
- `LR.addStaticRoute(dest=xxx, interface=xxx)` - general purpose static routing table manipulation
- `LR.addStaticNatMapping(srcIp, destIP)`; - floating IP function support

Layer 2 API

- `LSW.createLogicalPort(type=AccessPort)`

common API

- `LP.bindingInterface(port_location)` - bind logical port LP to a physical port on a fabric
- `Fabric.allocGlobalTag` - allocated a global tag for I2 segment

Release Deliverables

Name	Description
Public IP support	able to configure Public IP for certain end points
Multi-fabric support in FabricManager module	able to map logical network into multi-fabric based network
logical network model re-factoring	refactoring logical network northbound API
fabric resource/capability management enhancement	manage VNI,ports,VLAN resource more efficiently
certain physical switches support	be able to have physical devices as part of fabric (TBD)
new Fabric	VLAN fabric

(Conforming to Boron dates)

Release Milestones

Milestone	Offset 2 Date	Deliverables
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M1	3/24/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>FaaS Release Plan</td><td>Done</td><td>Candidate Release Plan</td></tr></table>	Name	Status	Description	FaaS Release Plan	Done	Candidate Release Plan									
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M2	5/5/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Release Plan</td><td></td><td>Final Release Plan</td></tr><tr><td>Project Checklist</td><td></td><td>Project checklist verification</td></tr><tr><td>OpendayLigt CI usage</td><td></td><td>Project CI usage for system test</td></tr><tr><td>System Test tool requirements</td><td></td><td>System Test tool requirements verification</td></tr></table>	Name	Status	Description	Release Plan		Final Release Plan	Project Checklist		Project checklist verification	OpendayLigt CI usage		Project CI usage for system test	System Test tool requirements		System Test tool requirements verification
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M3	6/2/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Feature Freeze</td><td></td><td>No externally consumable APIs</td></tr><tr><td>Documentation</td><td></td><td></td></tr><tr><td>Integration & System test</td><td></td><td></td></tr></table>	Name	Status	Description	Feature Freeze		No externally consumable APIs	Documentation			Integration & System test					
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RC0	8/11/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Release Candidate 0</td><td></td><td></td></tr></table>	Name	Status	Description	Release Candidate 0											
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RC1	8/18/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Release Candidate 1</td><td></td><td></td></tr></table>	Name	Status	Description	Release Candidate 1											
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RC2	8/25/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Release Candidate 2</td><td></td><td></td></tr></table>	Name	Status	Description	Release Candidate 2											
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RC3	9/1/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Release Candidate 3</td><td></td><td></td></tr></table>	Name	Status	Description	Release Candidate 3											
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Formal Release	9/8/2016	<table><tr><th>Name</th><th>Status</th><th>Description</th></tr><tr><td>Formal Boron Feature Release</td><td></td><td></td></tr></table>	Name	Status	Description	Formal Boron Feature Release											
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Externally Consumable APIs

- None

Expected Dependencies on Other Projects

- YANG Tools
- MDSAL
- OVSDB
- OpenflowPlugin

- Odiparent
- Controller
- Netconf

Expected Incompatibilities with Other Projects

None

Compatibility with Previous Releases

Compatible

Themes and Priorities

None

Requests from Other Projects

None

Test Tools Requirements

Other

None