

BGP: Carbon: Release Plan

Contents

- [Introduction](#)
- [Release Deliverables](#)
- [Release Milestones](#)
- [Externally Consumable APIs](#)
- [Expected Dependencies on Other Projects](#)
- [Expected Incompatibilities with Other Projects](#)
- [Compatibility with Previous Releases](#)
 - [Removed APIs and/or Functionality](#)
 - [Deprecated APIs and/or Functionality](#)
 - [Changed APIs and/or Functionality](#)
- [Themes and Priorities](#)
- [Requests from Other Projects](#)
- [Test Tools Requirements](#)
- [Other](#)

Introduction

Release Deliverables

Name	Description
BUG-6857	Initial configuration file loader for BGP
BUG-5032	Provide operational state for BGP OpenConfig
BUG-6966	Introduce infrastructure for inbound/outbound routing policies
BUG-6973	Migrate PCEP topology provider to use BP wiring
BUG-6974	Render PCEP statistics in operational DS
BUG-6975	Integrate PCEP topology provider with Cluster Singleton Service
BUG-6976	Migrate BMP collector to use BP wiring
BUG-6978	Integrate BMP collector with Cluster Singleton Service

Release Milestones

Milestone	Offset 1 Date	Deliverables		
M1	10/27/2016	Name	Status	Description
		Release Plan	Done	Candidate Release Plan
		BUG-6857	Done	Initial configuration file loader for BGP
M2	12/1/2016	Name	Status	Description
		Release Plan	Done	Final Release Plan
		BUG-5032	Needs review	Provide operational state for BGP OpenConfig
M3	1/19/2017	Name	Status	Description
		Feature Freeze	Done	
		BUG-5032	Done	Provide operational state for BGP OpenConfig

M4	2/16/2017	Name	Status	Description
		API Freeze		
		BUG-6966		Introduce infrastructure for inbound/outbound routing policies
M5	3/16/2017	Name	Status	Description
		Code Freeze		
		BUG-6973		Migrate PCEP topology provider to use BP wiring
		BUG-6976		Migrate BMP collector to use BP wiring
		BUG-6975	Done	Integrate PCEP topology provider with Cluster Singleton Service
		BUG-6978		Integrate BMP collector with Cluster Singleton Service
RC0	4/13/2017	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.	
RC1	4/20/2017	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.	
RC2	4/27/2017	Name	Description	
		Release Review	Release Review 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.	
RC3	5/4/2017	Name	Description	
		Release Review	Release Review 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.	
Formal Release	5/11/2017	Name	Description	
		Deliverable Name	Deliverable Description	

Externally Consumable APIs

Short Name	Description	Type (at M2)	Type (at M3)	Type (release)	Contract	Supporting Code
Concepts	Project Common Types	Provisional			iana.yang, ieee754.yang, network-concepts.yang	concepts
RSVP	Resource ReSerVation Protocol	Provisional			rsvp.yang	rsvp-api, rsvp-spi

PCEP	Path Computation Element Protocol	Provisional	pcep-message.yang, pcep-session-stats.yang, pcep-types.yang	pcep-api, pcep-spi
PCEP Stateful	PCEP Extensions for Stateful PCE	Provisional	odl-pcep-ietf-initiated00.yang, odl-pcep-ietf-stateful07.yang, odl-pcep-sync-optimizations.yang	pcep-ietf-stateful07
PCEP SR	PCEP Extensions for Segment Routing	Provisional	odl-pcep-segment-routing.yang	pcep-segment-routing
PCEP Topology	PCEP Topology Provider	Provisional	network-topology-pcep.yang	pcep-topology-api
BGP Parser	BGP Message Models	Provisional	bgp-message.yang, bgp-multiprotocol.yang	bgp-parser-api, bgp-parser-spi
BGP RIB	BGP RIB Models	Provisional	bgp-rib.yang, bgp-peer-rpc.yang	bgp-rib-api, bgp-rib-spi
BGP Concepts	BGP common types	Provisional	bgp-types.yang	bgp-concepts
BGP EVPN	BGP Ethernet VPN extension	Provisional	bgp-evpn.yang	bgp-evpn
BGP FS	BGP Flowspec extension	Provisional	bgp-flowspec.yang	bgp-flowspec
BGP MP	BGP MP extension	Provisional	bgp-inet.yang	bgp-inet
BGP L3VPN	BGP MPLS VPN extension	Provisional	bgp-vpn-ipv4.yang, bgp-vpn-ipv6.yang, bgp-vpn.yang	bgp-l3vpn
BGP LU	BGP Labeled Unicast extension	Provisional	bgp-labeled-unicast.yang	bgp-labeled-unicast
BGP LS	BGP Linkstate extension	Provisional	bgp-epe.yang, bgp-linkstate.yang, bgp-segment-routing.yang	bgp-linkstate
BGP OpenConfig	BGP OpenConfig configuration provider	Provisional	bgp-openconfig-extensions.yang, openconfig-bgp-multiprotocol.yang, openconfig-bgp-types.yang, openconfig-bgp.yang, openconfig-types.yang, openconfig-interfaces.yang, openconfig-local-routing.yang, openconfig-network-instance-types.yang, openconfig-network-instance.yang	bgp-openconfig-api
BMP	BGP Monitoring Protocol	Provisional	bmp-message.yang, bmp-monitor.yang	bgp-bmp-api, bgp-bmp-spi

Expected Dependencies on Other Projects

- odlparent
- yangtools
- mdsal
- controller

Expected Incompatibilities with Other Projects

None

Compatibility with Previous Releases

Removed APIs and/or Functionality

- remove APIs deprecated in previous release
- remove deprecated odl-bgpcep-pcep-all and odl-bgpcep-bgp-all features

Deprecated APIs and/or Functionality

- BGP/BMP/PCEP config-subsystem configuration modules

Changed APIs and/or Functionality

- API changes related to IEFT draft implementations updates

Themes and Priorities

1. BGP Routing Policies
2. Blueprint migration
3. High Availability support
4. Documentation
5. Code maintenance

Requests from Other Projects

None

Test Tools Requirements

None

Other