

BGP: Boron: Release Plan

Contents

- [Introduction](#)
- [Release Deliverables](#)
- [Release Milestones](#)
- [Externally Consumable APIs](#)
- [Expected Dependencies on Other Projects](#)
- [Requests from 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](#)
- [Test Tools Requirements](#)
- [Other](#)

Introduction

Release Deliverables

Name	Description
BGP/MPLS IP Virtual Private Networks (RFC 4364)	BUG-4825
Route Refresh Capability for BGP-4 (RFC 2918)	BUG-4592
BGP MPLS-Based Ethernet VPN (RFC 7432)	BUG-4826
Advertisement of Multiple Paths in BGP (draft-ietf-idr-add-paths)	BUG-4827

Release Milestones

Milestone	Offset 1 Date	Deliverables	
M1	3/17/2016	Name	Description
		Release Plan	Candidate Release Plan
		BGP/MPLS IP Virtual Private Networks	BUG-4825
M2	4/21/2016	Name	Description
		Release Plan	Final Release Plan
		Route Refresh Capability for BGP-4	BUG-4592
M3	5/19/2016	Name	Description
		Feature Freeze	
		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.
		Advertisement of Multiple Paths in BGP	BUG-4827
		BGP MPLS-Based Ethernet VPN	BUG-4826

M4	6/16/2016	Name		Description	
		API Freeze			
		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.	
M5	7/21/2016	Name		Description	
		Code Freeze			
		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.	
RC0	8/11/2016	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	8/18/2016	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	8/25/2016	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	9/1/2016	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	9/8/2016	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	Tentative	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
- netconf

Requests from Other Projects

Expected Incompatibilities with Other Projects

Compatibility with Previous Releases

Removed APIs and/or Functionality

- remove APIs deprecated in previous release

Deprecated APIs and/or Functionality

- deprecate odl-bgpcep-pcep-all and odl-bgpcep-bgp-all

Changed APIs and/or Functionality

- API changes related to IEFT draft implementations updates
- BGP Add-Path introduced mandatory "path-id" leaf for IPv4/6 Unicast, IPv4/6 Labeled Unicast and IPv4/6 Flowspec, which becomes a part of the key of a route. In a case of non-Add-Path routes, user MUST use path-id=0. See documentation for more details.

Themes and Priorities

1. New features
2. Minor enhancements/updates
3. Documentation
4. Code maintenance

Test Tools Requirements

Other

Primary Setup Contact : Milos Fabian (milfabia@[cisco.com](mailto:milfabia@cisco.com))

CI Resource : Peter Gubka (pgubka@[cisco.com](mailto:pgubka@cisco.com))