

# SRv6 based BGP services

## draft-ietf-bess-srv6-services-03

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# Overview

The draft specifies the BGP extensions for signaling of services over SRv6

- L3VPN for IPv4 and IPv6
- Global IPv4 and IPv6
- EVPN

# Draft Progress

- First presented SRv6 based L3VPN services in IDR at IETF98
- Further introduction of SRv6 based EVPN and Global services in IDR at IETF101
- Presented SRv6 Services Draft in BESS at IETF104
- Presented update packing optimizations in BESS at IETF105
- Adopted as WG document just before IETF106
- Multiple versions since adoption based on comments.

# Updates since IETF 107

- Clarifications on some field encodings based on implementation feedback
  - Setting of unused flags
  - Handling of unknown behaviors
- Security Consideration section has been updated

# IANA Allocation

Allocations have been made from BGP Prefix SID TLV types as below

Value	Type	Reference
4	Deprecated	<this document>
5	SRv6 L3 Service TLV	<this document>
6	SRv6 L2 Service TLV	<this document>

These match the currently deployed implementations.

# Implementation & Deployment Status

- Implementations shipping & in production from Cisco, Huawei and other vendors
  - Open source implementations in exaBGP, GoBGP that can leverage data-planes in Linux and FD.io
  - Deployments in production at Softbank, China Telecom, Iliad, LINE Corp, China Unicom, MTN Uganda, etc.
  - Multi-vendor interop at EANTC since 2018
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- More details in : **draft-matsushima-spring-srv6-deployment-status**

# Next Steps

- Draft is mature with existing implementations and deployments and authors would like to request WGLC