

# SRv6 forefront vender update: Huawei

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#### **Huawei's Vision:**

## **Intent Driven Network for Future: Intelligence & Simplicity**

**Intelligent Network Operation: Release human potential** 







### Huawei E2E Roadmap: Simple, Programmable, Seamlessly Evolvable



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### **Huawei Segment Routing+EVPN Roadmap**



(\*)SR-BE ... Best Effort, just stands for only use IGP best-path, no use of explicit TE (\*\*) https://support.huawei.com/enterprise/en/doc/EDOC1100055048/ca0ec7ac/srv6-vpn

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### **Product Manual is available**

 https://support.huawei.com/enterprise/en/doc/EDOC1100058671/84161990/seg ment-routing-ipv6-configuration

MENU	PRODUCTS & SOLUTIONS TECHNICAL SUPPORT HOW TO BUY PARTNERS COMMU	
NE9000 V800R010C10SPC500 Configuration Guide - Segment Routing 01		
This is NE9000 V800R010C10SPC500 Configuration Guide - Segment Routing		
About This Document	Search in this manual Q	
> Segment Routing MPLS Configuration	Rate and give feedback : 😭 😭 😭 😭	
✓ Segment Routing IPv6 Configuration		
Overview of Segment Routing IPv6	Segment Routing IPv6 Configuration	
Licensing Requirements and Limitations for Segment Routing IPv6	This chapter describes the basic principles, configuration procedures, and configuration examples of Segment Routing IPv6 (SRv6).	
Configuring IPv4 VPN over SRv6 LSP	<u>Overview of Segment Routing IPv6</u> Segment Routing IPv6 (SRv6) is a protocol designed to forward IPv6 data packets on a network based on source routes.	
> Segment Routing IPv6 Configuration Examples	Licensing Requirements and Limitations for Segment Routing IPv6	



## Increasing Converged Standards of SRv6 Basic Solutions Co-working with other venders





## **Increasing SRv6 commercial deployment globally**

24<sup>th</sup>, Jan. 2019. SRv6 Summit in Shenzhen: 5G and Cloud Era Programmable Network

Partner	Contents
China Telecom	Sharing how to delivery SRv6 over the current network, migration plan and use case
Spirent	SRv6 IOP with multi vendors
IETF	SRv6 Innovation, Standardize, Automation, AI and production
Qing Hua University	Use cases under network of education and research field
Huawei	Value of programmable network via SRv6
Tencent	OTT SRv6 use cases, more OAM performance and smooth new service delivery



#### **Summary**

 ✓ Already implemented SRv6 basic functions and L3VPN

✓ Co-working with other vendors for SRv6 related standardization

✓ Current implementation is mainly for router products, need datacenter use cases



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THANK YOU

Appendix. SRv6 Implementation status of Huawei Products



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#### Huawei Router Products Portfolio These are all SRv6 ready !



