EVPN Interoperability Modes

https://datatracker.ietf.org/doc/html/draft-ietf-bess-evpn-modes-interop-03

IETF 125, Mar 2026
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Agenda

- Quick recap
- Changes in version 03
- Next Steps - WGLC

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Quick Recap

EVPN provides different functional modes for Service Interface, Integrated Routing and Bridging (IRB), and IRB connection models. Each mode is designed for specific use cases, but interoperability across these modes remains critical.

The following EVPN modes are considered for interoperability.

- **Service Interfaces**
  - **VLAN Aware Bundle** and **VLAN Based**.
- **Integrated Routing and Bridging (IRB)**
  - **Asymmetric IRB** and **Symmetric IRB**.
- IRB connectivity types
  - **Interface-Less**, **Interface-Ful unnumbered IRB** and **Interface-Ful numbered IRB**.

This document describes how different functional modes and their types can interoperate. **It does not redefine existing modes** but extends them to support interoperability.

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alid Combination for Interoperability

Service Interface Types

	VLAN-Based	VLAN Bundle	VLAN-Aware Bundle
VLAN-Based	X	o	X
VLAN Bundle	o	X	o
VLAN-Aware Bundle	X	o	X

IRB Types

	Asymmetric IRB	Symmetric IRB
Asymmetric IRB	X	X
Symmetric IRB	X	X

IRB Connectivity Types

	Interface-Less	Interface-Ful numbered IRB	Interface-Ful unnumbered IRB
Interface-Less	X	X	X
Interface-Ful numbered IRB	X	X	o
Interface-Ful unnumbered IRB	X	o	X

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Changes in version 03

- Updated following sections
  - Security considerations
  - IANA considerations
- Formatted to IETF RFC style and fixed some contents

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Next Steps

- The draft has evolved over time based on WG feedback and discussions.
- The authors believe the document is stable and ready for Working Group Last Call.
- Request for WGLC.

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