

# Spirent TestCenter

## OVSDB Emulation

Open vSwitch Database Management Protocol (OVSDB) Emulation based on RFC 7047 allows for configuration and learning of emulated Spirent TestCenter Topologies like OpenFlow Switch Emulation and VXLAN Emulation.

Topologies can write configurations and counters to database for reading by most controllers. Spirent TestCenter can view or export to file the OVSDB database.

VXLAN VTEPs can now learn using OVSDB vs Multicast or EVPN.

### Features

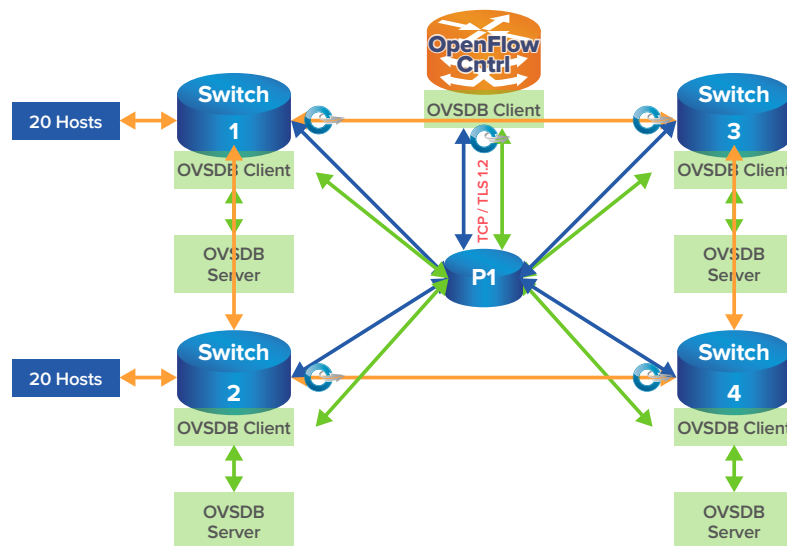
- TLS Secure Channel Connection
- Integrated with Spirent's OpenFlow Switch Emulation and VXLAN packages
- Export and View any OVS Database
- Scales with the high-scaling packages of OpenFlow and VXLAN

### Benefits

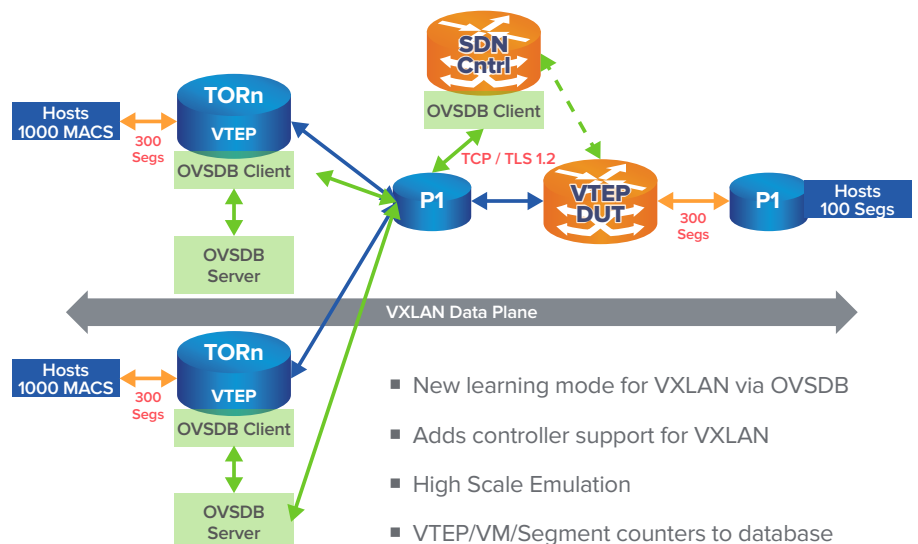
- Quickly assess the scalability of your OVS design and chosen controller
- Easily build and manage complex topologies and networks

Spirent's OVSDB emulation package integrates with its VXLAN and OpenFlow Switch Emulation (OSE) Packages. OVSDB will gather configuration information from the OSE switch or VXLAN VTEP. Each Switch or VTEP will be associated with a Server which will optionally be connected to a SDN (OpenFlow) Controller.

#### OVSDB with OpenFlow Switch Emulation



#### OVSDB with VXLAN Emulation



- New learning mode for VXLAN via OVSDB
- Adds controller support for VXLAN
- High Scale Emulation
- VTEP/VM/Segment counters to database

## Spirent services

Spirent Global Services provides a variety of professional services, support services and education services—all focused on helping customers meet their complex testing and service assurance requirements. For more information, visit the Global Services website at [www.spirent.com](http://www.spirent.com) or contact your Spirent sales representative.

### Technical specifications

#### OVSDB emulation

- Interoperability with common SDN Controllers
- High Scale Emulation
- Integrated with OpenFlow Switch Emulation
- Integrated with VXLAN Emulation
- Support for multiple controllers
- Support for secure channel connection with TLS v1.2
- Read and Export Databases

#### Supported platforms

- Supported on Spirent TestCenter Chassis
- Supported on Spirent C1 and C50
- Supported on Spirent Virtual

#### Ordering information

- |                             |             |
|-----------------------------|-------------|
| ▪ OVSDB Emulation           | BPK-1326A   |
| ▪ OpenFlow Switch Emulation | BPK-1195A/B |
| ▪ VXLAN Emulation           | BPK-1310A   |

#### Related

- |                                 |                  |
|---------------------------------|------------------|
| ▪ EVPN Emulation                | BPK-1311A        |
| ▪ OpenFlow Controller Emulation | BPK-1193A        |
| ▪ 3D Topology Suite             | SHG-250, SHG-500 |

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