SMVData

SMV-OS

SMV-OS is a software-based Network Packet Broker enabling next generation network visibility while running on commercial off-the-shelf hardware.

Network visibility is a crucial component of any network, enabling security, monitoring and performance tools to function properly. **SMVData** offers comprehensive visibility solutions that provide high scalability, low cost and support virtualized environments of emerging data centers and 5G networks.
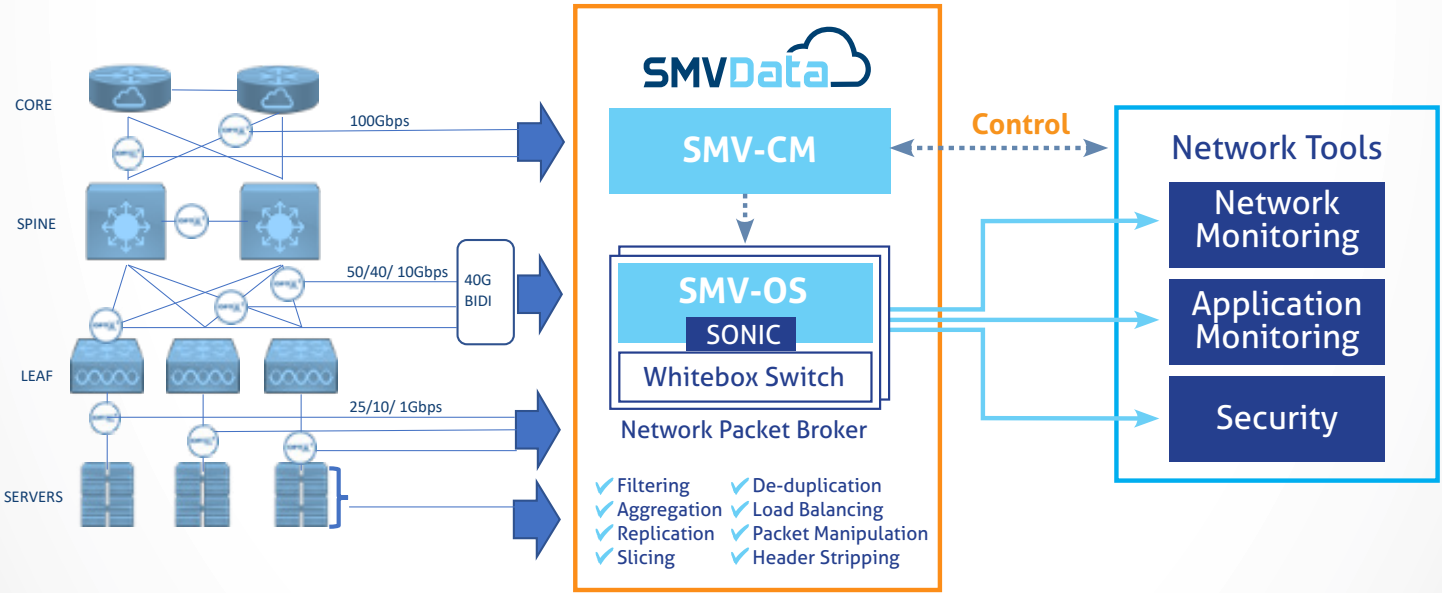
SMVDATA SOLUTION

Cyber-Security	5G	Lawful Intercept	Compliance

CORE

SPINE

LEAF

SERVERS

100Gbps

50/40/ 10Gbps — 40G BIDI

25/10/ 1Gbps

SMVData

SMV-CM

Control

SMV-OS

SONIC

Whitebox Switch

Network Packet Broker

✔ Filtering
✔ Aggregation
✔ Replication
✔ Slicing
✔ De-duplication
✔ Load Balancing
✔ Packet Manipulation
✔ Header Stripping

Network Tools

Network Monitoring

Application Monitoring

Security

Customer statement:

"*SMVData* ability to add new features needed for our large 5G deployment was fantastic. The software nature of *SMV-OS* enables us to deploy network visibility in additional parts of our networks and improve our security and performance while reducing our cost"

PRODUCT KEY FEATURES

- Aggregation
- Replication
- Port Mapping - Any to Many
- Port Mapping - Many to One
- Layer 1-3 filtering & load balancing
- Efficient creation of multi-level filters
- Ingress and egress filters

- Tunneling
- filtering, stripping
- Header stripping
- De-duplication, Network
- Packet Slicing
- Layer 4-7 filtering & load balancing
- Management Interfaces – CLI, SMV-CM, REST API

WORKFLOWS SUPPORTED

- Layer 2 filtering - Ethernet Source & Destination Mac, Type
- Layer 3 filtering - IP Source & Destination, Port Source & Destination, Protocol
- Tunneling and L2/L3 inside tunnel filtering
  - GTP filtering
  - GRE filtering & termination
  - MPLS filtering and stripping
  - VXLAN filtering and stripping
  - VLAN support for filtering, stripping and modifying

SUPPORTED HARDWARE

	Edge-core as7326-56x	Edge-Core AS7726-32X	Mellanox SN2700	Mellanox SN2410	Mellanox SN2100	Mellanox SN2010
100GbE (QSFP28)	8	32	32	8	16	4
25GbE/10GbE (SFP28/SFP+)	48	-	-	48	-	18
Throughput	4 Tbps (full duplex)	6.4 Tbps (full duplex)	6.4 Tbps (full duplex)	4 Tbps (full duplex)	3.2 Tbps (full duplex)	1.7 Tbps (full duplex)
Chipset	Broadcom Trident 3		Mellanox Spectrum			
Power Supplies	Hot-swappable, load-sharing, redundant AC or -48V DC				Load sharing redundant AC	