Application QoE for NFVIS

vCPE and SD-WAN Use Cases

SKYLIGHT

Consistent application QoE scoring and visibility is critical for providing exceptional end user experience

Application performance over the WAN, QoS, is insufficient in itself to determine Application QoE. Other performance measurements are required to determine true Application QoE.

- Server response time
- Front-end web server delay
- Network round trip time
- DNS transaction delay
- Back-end database delay
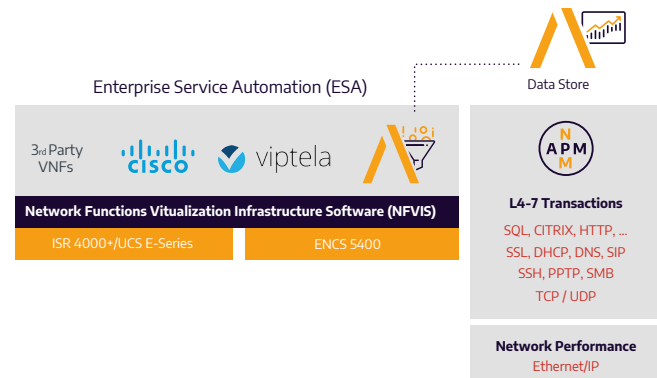- Application protocol transaction delay

SD-WAN
Identifies applications and monitors how these applications perform over the WAN, which amounts to Application QoS.

vCPE
A very dynamic environment – workloads are constantly moved from one VM or container to another with multi-vendor VNFs being added to, adjusted in, and swapped out of service chains.

Skylight brings full stack application QoE to SD-WAN and virtual services delivered over vCPE

Monitoring and tracking the entire end-to-end TCP delivery transaction chain is required to understand the actual end user experience of an application.

Enterprise Service Automation (ESA)

Data Store

3rd Party VNFs | **CISCO** | **viptela**

Network Functions Vitualization Infrastructure Software (NFVIS)

ISR 4000+/UCS E-Series | ENCS 5400

APM

L4-7 Transactions
SQL, CITRIX, HTTP, ...
SSL, DHCP, DNS, SIP
SSH, PPTP, SMB
TCP / UDP

Network Performance
Ethernet/IP

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