



IP Infusion announces 1.3 release of OcNOS™ network operating system

The new OcNOS 1.3 release adds new features and platforms to the IP Infusion's networking solution which is targeted at enabling disaggregation of network hardware and software. With OcNOS, network operators can smoothly transition to newer disruptive networking technologies and reduce operating expenses.

OcNOS 1.3 now supports Broadcom Qumran Chipset for IP Services. It additionally provides support for VPLS using BGP for signaling and auto-discovery; BFD support for hardware offload; and complete NETCONF Support (Alpha) for IP Services SKU. In addition, it features enhancements on its support for EVPN-VXLAN.

Click here for the latest OcNOS 1.3 [data sheet](#), [product bulletin](#) and [applications note](#).

IP Infusion Presents at Networking Field Day 15

Technology experts from IP Infusion presented at the Networking Field Day 15 in early April, outlining the technology advantages of IP Infusion's OcNOS, VirNOS and ZebOS products. Networking Field Day events bring together innovative IT product vendors and independent thought leaders – specifically networking tech bloggers, freelance writers and podcasters – to share information and opinions. Presenting on behalf of IP Infusion were Atsushi Ogata, IP Infusion's president and CEO; Tetsuya Murakami, chief technology officer; and Shaji Ravindranathan, vice president, product management.

[Listen to the presentations](#)

IP Infusion to showcase technologies at China SDN/NFV 2017, Broadcom DCF 2017

IP Infusion will be demonstrating OcNOS and VirNOS at two shows in April in Asia.

We will be at Broadcom 2017 Asia Data Center Forum on April 21 at the Taipei Marriot Hotel. The show draws more than 1,000 participants from key OEMs, ODMs and end users who are building data center solutions.

On April 26-27, we will be showcasing our NOS solutions at the China SDN/NFV Conference 2017 at the Crowne Plaza Beijing Sun Palace Hotel. This fifth annual event pulls together the entire ecosystem for SDN, NFV and MANO.

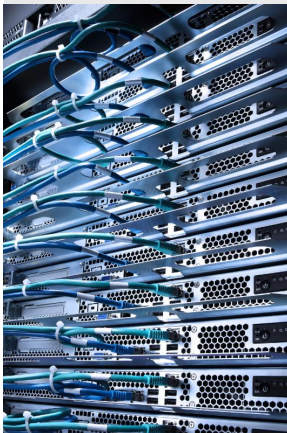
Layer2VPNs usingMPLS

Layer2 and Layer3 VPNs which use packet transport IP/MPLS, are very cost effective and can emulate traditional leased line and bit oriented time circuit services.

Layer2 VPN is distinct in preserving the layer2 PDU intact and delivering it across from point A to point B across a shared medium. Layer3 VPNs achieve the same task, however, it isolates the user traffic at multiple Layer3 sub-domains. This approach gives challenges of scale on the PE router which is facing the customer. As now the router has to handle multiple Layer3 routing tables, segregated by VRFs and Layer3 routing policies to allow none of these services to interfere with each other. The key advantage is reducing their maintenance and operational cost of a wide area Layer3 network to the local office.

[Read the complete article](#)

MPLS – Layer2 VPNs: A Brief Deep Dive



Let's cover the MPLS technology aspects which are leveraged to provide VPN service.

MPLS transport allows SPs the benefits label switching gets, with a way to multiplex multiple services on a single MPLS IP transport path. This path in turn using MPLS signaling protocols like RSVP-TE can be carefully strict routed to choose a more reliable or beneficial path, at the same time gives the benefit of having a dynamic path computation done based on set metrics and bandwidth requirements. It is also possible to set these paths from a MPLS controller using technologies like PCEP or Segment Routing.

Irrespective of the MPLS signaling protocol used, and whether the path setup is using a distributed control layer or a centralized SDN controller, the core transport MPLS IP label switching is used by SPs.

[Read the complete article](#)

