

Integrated OpenStack Whitebox VXLAN to Layer 2 Gateway

Easily extend OpenStack clouds...

OpenStack is now the norm for building private and hybrid clouds. It's open, flexible and extensible. Now you can quickly and easily extend your OpenStack virtual overlay networks to the physical world.

CPLANE and Agema Systems have teamed to deliver an open, scalable whitebox Layer 2 gateway solution that provides seamless integration to legacy network resources. The Agema suite of bare metal and Ethernet switches offers a wide range of options for whitebox data center and top of rack solutions to meet your specific networking requirements.

CPLANE's Dynamic Virtual Networks - Data Center (DVNd) product delivers unmatched ease of use and reliability for automated provisioning of scalable, high-performance OpenStack virtual overlay networks.

VXLAN to Layer 2

The CPLANE / Agema integrated whitebox gateway solution incorporates IP Infusion's high-performance OcNOSTM network operating system for industry-leading networking features, performance and reliability.

CPLANE's DVNd handles all of the virtual terminal endpoint (VTEP) configuration and programming in the Agema switch. When new networks and subnets are created in OpenStack, DVNd automatically creates the VXLAN tunnel to external interface mapping in OcNOS. As virtual machines (VMs) are created in OpenStack, DVNd performs all the necessary MAC address mapping and configuration in OcNOS to create seamless Layer 2 connections between external network subnets and the target VMs via VXLAN tunnels.

Now you can quickly easily extend OpenStack virtual overlay networks to legacy and bare metal networks without the hassles and errors of manual configuration and scripting.

Make the move to open whitebox networking!

- Open, extensible architecture
- Seamless OpenStack integration
- Plug-and-play Layer 2 networking
- High-performance virtual overlay networking
- Automated gateway orchestration

