



IP Infusion’s OcNOS-CSR to Enable Service Providers to Deploy 5G Wireless Services with Disaggregated Open Network Benefits

IP Infusion will release OcNOS™-CSR, the industry’s first full-featured commercial network operating system specifically developed to support various features for cell site routing providing network operators, carriers and enterprises with the software solution needed to achieve the disaggregated networking model. OcNOS-CSR will be available for service providers in Q1, 2019.

“As bandwidth demands increase and service providers are investing to upgrade legacy wireless services and roll out new 5G services, mobile network operators are faced with the challenge to minimize operating costs and improve services,” said Atsushi Ogata, President and CEO of IP Infusion. “The OcNOS-CSR is the industry’s first commercial full-featured network OS enabling White Box network for various cell-site backhaul, helps assure network availability, resiliency, and provides best-in-class performance of mobile applications, Metro Ethernet Access and Business Access Services solutions at various cell-site backhauls.”

OcNOS-CSR features line rate performance for all Layer 2 and Layer 3 interfaces (1-100 Gbps); supports platforms with flexible clocking options; Building Integrated Timing Supply (BITS), GPS (10Mhz, 1PPS/ToD), 1588v2, and Synchronous Ethernet (SyncE).

OcNOS-CSR works with ODM white box Aggregation Services Switch such as Accton-Edgecore AS7316-26XB, with 16x10G plus 8x25G plus 2x100G ports based on Qumran-AX switching silicon. The AS7316-26XB, when combined with OcNOS-CSR network operating system, provides carriers with a hardened, high-speed, low-power-consumption router/switch optimized for any-generation cell-site Radio Access Network (RAN) backhaul and Ethernet access. By using EdgeCore AS7316-26XB switches along with OcNOS-CSR, network operators can reduce backhaul operating costs, simplify and converge their RAN and Ethernet access networks, and enhance their profit opportunities with mobile and premium Ethernet services.

OcNOS-CSR will help service providers deliver advanced services and reduce operating costs for mobile backhaul and Carrier Ethernet access solutions. For more details on the benefits of OcNOS-CSR, read the press release.

IP Infusion Releases IPI DC-BOX, a Ready-to-Deploy Data Center in a Bundle

IP Infusion has released IPI DC-BOX, a ready-to-deploy data center in a bundle, making it easier to build a data center Point of Delivery (POD) with software, open networking switches and configurations or to build their own configuration from individual switches loaded with software.

IPI DC-BOX, a pre-validated solution, gives data center operators the benefits of faster deployment and improved time-to-market in an easy-to-order bundle which includes the required software, hardware support and cables. The IPI DC-BOX bundle includes two leaf switches (AS5812-54X) and two spine switches (AS7712-32X) from Edgecore Networks running OcNOS™ network operating system from IP Infusion. With this pre-validated bundle, data center operators are now able to deploy an Internet Exchange solution or CLOS Fabric for faster cloud data center roll-outs.

IPI DC-BOX supports common data center architectures such as Leaf Spine architecture, CLOS Fabric, Multi-access Edge Computing (MEC), and Multi-tenant cloud data centers. As an example, The London Internet Exchange (LINX) uses the combination of OcNOS and Edgecore switches in their LINX LON2 network, the world's first disaggregated network using EVPN technology and an extended data center leaf-spine architecture spread over 10 locations.

Read more about the IPI DC-BOX here.

Read More

EscapeNet Deploys IPI's OcNOS To Deliver Services for the GigCity Adelaide Network

EscapeNet, an Australian Internet Service Provider (ISP), has deployed the OcNOS network operating system and developed a disaggregated networking model to power the GigCity Adelaide Network, an initiative of the Government of South Australia, offering gigabit speed services to innovation precincts across metro Adelaide. The initiative has been able to achieve highly affordable, ultrahigh speed services for businesses and startups due to the network's low CapEx and OpEx requirements.

The GigCity Adelaide Network is a four-year, \$7.8 million (AUD) initiative, which connected 13 innovation precincts during the first stage in 2017 and plans to deliver 15 additional innovation precincts during the second stage. EscapeNet won an open tender to design, build and operate services to the precincts.

Working with IP Infusion and adding disaggregated networking hardware, EscapeNet architected a network design centering on four local data centers. Innovation precincts are connected to two data centers with diverse fiber paths ensuring a highly available network. The extensive use of multiple fiber paths was feasible because of the not-for-profit fiber network, SABRENet, which serves the Adelaide research, education and innovation community.

For more information on this deployment, read the press release.

Press Release



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