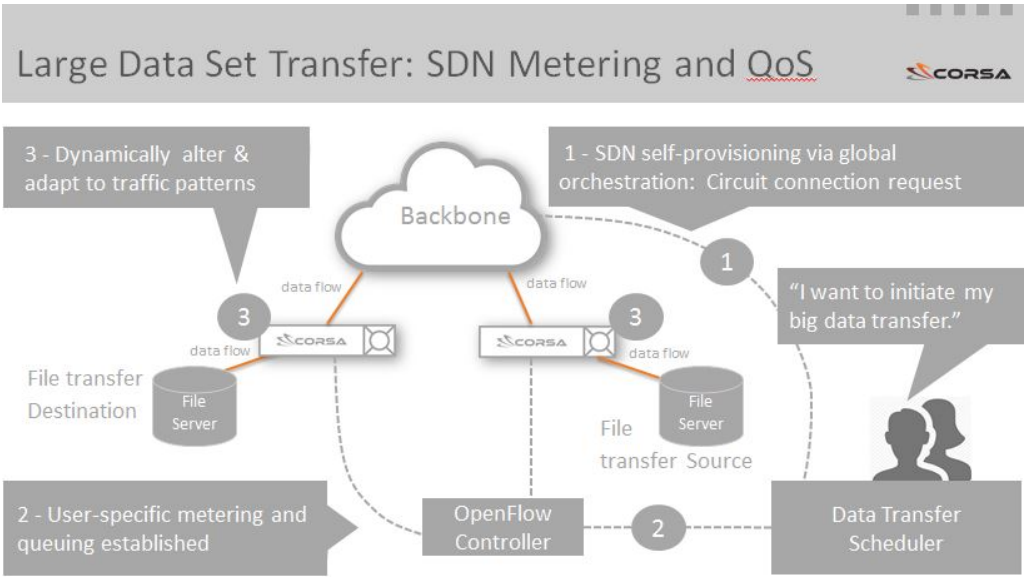
Permits Big Data workloads and interactive sessions to efficiently traverse the network with enhanced performance



OTTAWA, ON (Canada) – June 16, 2015 – Software Defined Networking pioneer, Corsa Technology, the leader in performance SDN switching, today announced new SDN metering and QoS (Quality of Service) capability for its line of performance SDN hardware. Corsa's SDN implementation of this classic traffic engineering function allows network architects to better manage bandwidth across their network with dynamic, policy-aware metering and QoS. Framed around OpenFlow 1.3 QoS, Corsa performance SDN hardware lets network orchestration dynamically use meters and multiple classes of service to deliver SDN QoS which adjusts and adapts allocation of bandwidth at ultra-granular flow-level.

Metering and queuing allows networks to create bandwidth profiles by putting limits and guarantees on traffic with particular classes. With SDN, those limits are no longer fixed as part of a static topology and rigid hardware platform. Policy-aware provisioning can be dynamically pushed down to the flexible Corsa SDN hardware to make on-going adjustments to meters and queue assignments. The network can then make immediate, informed queuing and discard decisions under congestion. Real-time performance monitoring automatically returns meter statistics and is checked against policy such as SLAs. For network operators including service providers and ISPs, SDN metering and queuing allows new self-serve features to be offered such as "bandwidth reservation" where users can dynamically schedule and reserve bandwidth via separate class of service and meters.

This on-demand bandwidth reservation service is especially interesting for organizations running Big Data workloads. Using Corsa SDN metering

Events

Come visit us at
ONS 2016
March 14-17, Santa Clara Convention Center
At-scale SDN demos, Innovation Panel Discussion and Evolution of OpenFlow presentation

and QoS, the network has the ability to respond to a request, set up the appropriate circuits and then recognize Big Data flows. Depending on real-time network conditions, such as traffic levels and congestion, as well as dynamically changing network policy, SDN metering and QoS dynamically routes flows, rate-limits flows and reacts in real-time to Big Data events, such as node addition, node deletion and replication. For the Big Data user, this ensures reliable large data transfers occur predictably in hours instead of days. For the service provider, long cumbersome provisioning cycles are avoided as the service is offered on-demand. Network orchestration can dynamically adjust or adapt policy based on SLAs, types of traffic, types of users, or types of applications and allocation of bandwidth at flow-level can be set up and removed to make sure data transfers occur quickly and without disruption to other users.

“Dynamic, policy-driven networks is what SDN is about and SDN hardware solutions must be able to respond to these policy changes. SDN metering and QoS functionality is one important area for policy-driven networking requiring a very capable hardware solution,” said Yatish Kumar, Corsa Technology CTO. “Corsa’s line of performance SDN hardware has deep packet buffers, multi-table datapaths, and can support over a million active flows with flow modifications updated at >50,000 flow mods/sec. Together, these attributes make Corsa SDN metering and QoS a powerful tool for creating granular bandwidth profiles.”

Corsa has emerged as a global leader in SDN hardware solutions. From inception, Corsa has been working on dramatically improving the SDN network architecture by delivering SDN hardware that can easily and quickly scale for very large network applications. Performant and flexible, the DP6400™ product line can be configured to take on any networking function, ranging from Layer 2/3 switching and routing at massive scale, to complex Layer4- 7 aware network elements that allow network orchestration to dynamically adjust data forwarding. As a result, network architectures that alter and adapt to traffic patterns and user demands become possible, delivering huge increases in performance at a fraction of the traditional cost.

Visit Corsa at booth S3 at the Open Networking Summit, June 15-18, Santa Clara. Corsa performance SDN hardware is in three key showcases: The Open Networking Foundation’s (ONF) Atrium demonstration, the multi-layer optical demonstration with On.Lab ONOS, Ciena, Fujitsu and Huawei, and Corsa’s own SDN Metering and QoS showcase.

About Corsa Technology

Corsa Technology is a networking hardware company focused on performance Software Defined Networking (SDN). Corsa develops programmable, flexible, internet-scale data planes that respond in real-time to network orchestration, directing and managing traffic for SDN and NFV deployments from the 100G SDN WAN edge to networks needing full subscriber awareness. For more information, please visit www.corsa.com.

Share This Story, Choose Your Platform!

QUICK INFO

SDN Done Right

Products

Solutions

Partners

About

Careers

CORSA TECHNOLOGY

11 Hines Rd. (Suite 203)
Ottawa, ON
Canada K2K 2X1

Phone: (613) 287-0393
Email: info@corsa.com

NEED SDN?

Corsa Technology is dedicated to real, open SDN. With fully programmable SDN switching and routing hardware specifically designed to economically automate and scale networks, Corsa enables agile, simplified, and open Software Defined Networks.