

OIF AND ONF COMPLETE TRANSPORT SDN DEMONSTRATION WITH GLOBAL READ-OUT EVENTS

Fremont, Calif –Nov. 4, 2014 – The [Optical Internetworking Forum \(OIF\)](#) and the [Open Networking Foundation \(ONF\)](#) conducted three global events to share the results from the joint Transport Software Defined Networking (SDN) prototype demonstration with the industry. The read-out events took place at Verizon Labs in Waltham, MA, the Layer123 conference in Dusseldorf and at China Telecom in Beijing. The results of the demo can be read in a white paper available online: <http://www.oiforum.com/public/Form Global Transport SDN Demo WP.html>.

“The types of technologies that the OIF and ONF members jointly tested, including APIs, equipment control interfaces and Optical Transport Working Group (OTWG) extensions to OpenFlow, are central to propelling Transport SDN into real, working equipment deployments,” said Dana Cooperson, research director, Analysys Mason. “The carriers’ deep involvement in the testing will prove invaluable towards accelerating industry progress.”

The demo showcased cooperation among 17 companies in test labs across the world. Some of the world’s largest carriers hosted the demo in their labs, including China Mobile, China Telecom, TELUS and Verizon, while China Academy of Telecommunications Research (CATR), KDDI and Orange consulted during the demo.

“The recent SDN events conducted by the OIF and ONF are clear evidence that the industry recognizes the changing landscape of hardware and software,” said Michael Nawrocki, director of standards, corporate technology, Verizon. “Verizon is proud to be one of the companies at the forefront of exploring and assessing new technologies through interoperability programs that bring together key members of the industry to share information as we adapt to changes in the ecosystem.”

“China Telecom was pleased to be able to host the Global Transport SDN demo in our lab in Beijing. SDN is a potentially enabling technology to simplify the maintenance and increase the efficiency of networks, which meets the carriers’ requirements for networks in the new Internet-centric era,” said Chengliang Zhang, vice president, China Telecom Beijing Research Institute. “This demo is very interesting and important for the development of transport SDN technology and we are satisfied with the results and key findings. We believe it was worthwhile to participate in this demo and we are happy we could host the read-out results event in Beijing. China Telecom will continue to push the standardization, development and deployment of transport SDN in the future.”

Nine vendors brought their Optical and Ethernet switching equipment into the two-month long testing - ADVA Optical Networking, Alcatel-Lucent, Ciena, Coriant, FiberHome, Fujitsu, Huawei Technologies Co., Ltd., NEC Corporation of America and ZTE. The vendors, as well as two participating carriers and CATR, also brought SDN software, testing the functionality of the Southbound Interface (SBI) and/or Northbound Interface (NBI) of the SDN architecture. The demonstration tested multi-vendor OpenFlow™ control of Optical Switches at the SBI, and the ability for SDN applications to use the NBI to retrieve network topology and provision high bandwidth services across a multi-layer, multi-domain optical network in support of Data Center interconnection and Cloudbursting services.

About the OIF

Launched in 1998, the OIF is the first industry group to unite representatives from data and optical networking disciplines, including many of the world's leading carriers, component manufacturers and system vendors. The OIF promotes the development and deployment of interoperable networking solutions and services through the creation of Implementation Agreements (IAs) for optical, interconnect, network processing, component and networking systems technologies. The OIF actively supports and extends the work of standards bodies and industry forums with the goal of promoting worldwide compatibility of optical internetworking products. Information on the OIF can be found at <http://www.oiforum.com>.

About ONF

Launched in 2011 by Deutsche Telekom, Facebook, Google, Microsoft, Verizon, and Yahoo!, the Open Networking Foundation (ONF) is a growing nonprofit organization with more than 140 members whose mission is to accelerate the adoption of open SDN. ONF promotes open SDN and OpenFlow technologies and standards while fostering a vibrant market of products, services, applications, customers, and users. For further details visit the ONF website at: <http://www.opennetworking.org>.

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