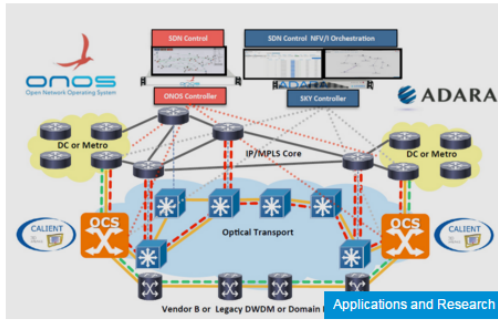


## Next-Generation SDN Transport Packet Optical Integration Solution

Created April 4, 2016



Calient Technologies, Inc. demonstrated at OFC 2016 an SDN Transport Packet Optical Integration (SDN-TPOI) solution it has jointly developed with Adara Networks. The companies, along with ON.Lab, the SDN Open Network Operating System (ONOS) leader, had setup demos in Calient's booth at the show.

The Calient-Adara SDN-TPOI solution provides the first multi-vendor, multi-domain, multi-layer network optimisation solution that allows real-time data flows to bypass the traditional packet-based network for very low cost and latency Optical Circuit Switch transport.

The solution combines Calient S-Series optical circuit switches with Adara Axis switches deployed on the edges of wide area networks under the control of Adara's CloudFabric Cloud Management Platform and SKY Controller.

In addition to the SDN-TPOI demonstration, Calient joined the ONOS project team and a field of leading network service providers and industry vendors to deliver a demonstration of an enterprise central office re-architected as a data centre (E-CORD). In this demonstration, Calient's S160 optical circuit switch functioned as a switched optical backplane in a disaggregated (whitebox) ROADM, supporting on-demand service setup, protection, and reconfiguration.

Calient's 3D MEMS switches allow data centre operators to dramatically improve utilization rates of expensive compute resources that typically account for 75% to 90% of investment. Data centre operators and metro service providers also deploy Calient switches at the edges of their networks to facilitate multi-layer network optimisation for maximum efficiency and flexibility. In this application the optical circuit switches support network-wide implementation of SDN regardless of the vendor or vintage of the optical transport system. The company designs and manufactures its systems using the state of art MEMS fabrication equipment at its corporate headquarters in Santa Barbara California.

<http://www.calient.net/2016/03/calient-and-adara-bring-next-generation-sdn-transport-packet-optical-integration-solution-to-ofc-2016/>



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