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ONOS Adds Seven New Collaborators and Surpasses 50 Member Milestone

Growing ONOS Community Unites at Open Networking Summit to Showcase Use Cases, Demos, Best Practices, and Hands-On Workshops

SANTA CLARA, CA--(Marketwired - March 14, 2016) - [Open Networking Summit \(ONS\)](#) - The [Open Networking Operating System \(ONOS\)](#), a collaborative effort to advance an open source software defined networking (SDN) technology, today announces ATTO-Research, Cobham Wireless, Corsa, Edgecore Networks, Flex, IEEE SDN Initiative and NoviFlow have joined as collaborators.

Recently surpassing the [50-member milestone](#), the fast-growing ONOS community is also rapidly diversifying. In just one year, the project went from one to five service provider partners and six to eight vendor partners. Additionally, more than 250 registered users are making code software updates.

ONOS has quickly established an active community of contributors, members and production use cases, emerging as a leading SDN OS among services providers. These developments, as well as the sixth ONOS platform release, will be showcased at The Linux Foundation-hosted Open Networking Summit and ONOS Mini Summit taking place in Santa Clara, Calif., March 14-17, 2016.

"ONOS new member and community growth are pivotal in accelerating adoption of SDN and NFV," said Guru Parulkar, executive director and board member at ON.Lab's ONOS project. "ONOS has evolved so quickly, emerging as the SDN OS of choice by service providers and the foundation for numerous successful use cases such as CORD, packet-optical convergence, SDN-IP peering, and others. It's a clear frontrunner solution that is robust and mature enough to power production-level networks."

Since forming in December 2014, ONOS has rapidly evolved into a key platform for monetizing SDN and network function virtualization (NFV) by offering service providers and vendors like AT&T, SK Telecom, Verizon, China Unicom, and NTT Communications among others with scalability, high availability, high performance and abstractions that leverage open source to streamline creation of apps and services and invent new business models. With Ciena's plan to support ONOS commercially soon and commercial ONOS-based trials from Huawei, ONOS has matured quickly and is taking off in production.

"ONOS is the right SDN operating system platform for service providers, especially in delivering

critical use cases such as Central Office Re-Architected as a Data Center (CORD)," said Mike Hatfield, senior vice president and general manager of Ciena's Blue Planet division and ONOS board member. "Ciena is thrilled to be delivering a commercial release of ONOS for the community."

ONOS also continues to see significant contributions from an increasing number of member partners with 19 percent of all commits coming from Huawei, including recent integration with the newest OPNFV BrahmaPutra release. Additionally, BTI, CREATE-NET, Ericsson, Fujitsu, ONF, NEC and SK Telecom are actively contributing code, with more community growth statistics available [here](#).

"ONOS is ready for commercial deployment and is making immense traction among service providers," said Ayush Sharma, senior vice president of Huawei, and ONOS board member. "At Huawei, we've used ONOS to build commercial SDN products and solutions, and are thrilled with the successful completion of product trials among multiple service providers."

"We are completing commercial trials of SDN service with ONOS and China Unicom, and are glad to see such well-earned project momentum of ONOS," said Dr. Tang Xiongyan, chief technologist at China Unicom and ONOS board member.

More about new ONOS collaborators:

- **ATTO-Research** is contributing to the ONOS SONA (Simplified Overlay Networking Architecture) project that is creating an optimized multi-tenant network virtualization service for Cloud-based data center. This can be used to create virtual private networks and route them through OpenStack Neutron. With this collaboration, ATTO-Research is also contributing to the completeness and usability of ONOS project
- **Cobham Wireless'** **TM500** and **TeraVM** network test solutions have been selected by ONOS to validate the capacity, performance and reliability of new service offerings. To enable complete performance analysis, the Cobham Wireless test solution delivers real-world scenario emulation and measurements, validating the capacity and performance of physical and virtual devices and networks.
- **Corsa Technology** enables agile, simplified, and open SDN with fully programmable switching and routing solutions, specifically designed to economically automate and scale networks. Recognizing the importance of a strong open source SDN community, Corsa has been involved with ONOS from the earliest releases, including an ONOS-based peering router and open source Vandervecken SDN controller stack successfully exchanging 10,000s routes over a trans-Pacific link and a multi-layer packet/optical solution under ONOS control showing a dev-ops ready control platform for programmability of converged L3/L2 and L0.
- **Edgework Networks** delivers high capacity, high performance open networking switches. These switches run commercial and open source software including the Atrium stack based on ONOS from ONF. Edgework leaf and spine switches are used in CORD to bring the promise of data center economics and flexibility to central offices.
- **Flex's** CloudLabs provides support for testing cloud infrastructure and they are conducting a performance analysis of CORD. Their group has a background in testing NFV environments and their analysis offers the ONOS community a 3rd party perspective on performance.
- **IEEE SDN Initiative** and ON.Lab's strategic collaboration is expected to have an important impact on the "Softwarization" of Telecommunications, thus paving the way to the coming 5G Era. The main goals of IEEE SDN collaboration with ON.Lab are to expedite the design and development of M-CORD applications toward 5G, as well as to contribute to the development of an IEEE Virtual Lab and Software Library for SDN-NFV and 5G developments.
- **NoviFlow's** NoviSwitch provides a fully programmable high-performance OpenFlow 1.3/1.4 switch supporting up to 240 Gbps of OpenFlow throughput and four million flow entries, fully tested for use with ONOS. NoviSwitch is used at both ON.Labs and at events to demonstrate ONOS based solutions. NoviFlow have also announced a Scale-Out Router solution, which uses ONOS as the core controller to implement a fully Scale-Out BGP Router.

More about the ONOS Mini Summit:

The [ONOS Mini Summit](#) at ONS brings together the ONOS community and SDN thought leaders for technical sessions and hands-on design workshops on app development, SDN-IP, multi-domain environments, security, system testing, global SDN deployment and service models. Attendees have the opportunity to see and learn more about how organizations like Nokia, Futurewei Technology Inc., and CREATE-NET are using ONOS to meet their business needs.

Also co-located at ONS, is the [CORD Mini Summit](#). One of the most successful use cases for ONOS, CORD (Central Office Re-architected as a Data center) combines NFV, SDN, and the elasticity of commodity clouds to bring datacenter economics and cloud agility to the Telco Central Office. For the complete ONS program, visit: <http://events.linuxfoundation.org/events/open-networking-summit/program/>.

For more information about ONOS, visit: <http://onosproject.org/>.

About the ONOS project

ONOS is the open source SDN networking operating system for Service Provider networks architected for high performance, scale and availability. The ONOS ecosystem comprises ON.Lab and organizations that are funding and contributing to the ONOS initiative. These include AT&T, NTT

Communications, SK Telecom, China Unicom, Alcatel-Lucent, Ciena, Cisco, Ericsson, Fujitsu, Huawei, Intel, NEC and Nokia. See the full list of members, including ONOS' collaborators, and learn how you can get involved with ONOS at onosproject.org.

ONOS is an independently funded software project at The Linux Foundation that harnesses the power of collaborative development to fuel innovation across industries and ecosystems. linuxfoundation.org

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