

# ADARA Networks Joins ONOS Project as Collaborator

ADARA to package and distribute ONOS to drive wider SDN adoption and open innovation



ADARA Networks logo.



SAN JOSE, Calif., Sept. 29, 2015 /PRNewswire/ -- [ADARA Networks](#)<sup>®</sup>, a global software company in the cloud computing and software-defined networking (SDN) space, and ON.Lab today announced that ADARA has joined the [ONOS project](#) as collaborator, and will package ONOS for distribution as part of ADARA's SDN solutions.

ONOS is a carrier-grade open source SDN networking operating system for service provider and mission-critical networks, architected to provide the high performance, scale and availability these networks need. In addition, ONOS has created useful northbound abstractions and APIs to enable easier application development and southbound abstractions and interfaces to allow for control of Open Flow-ready and legacy devices.

"We welcome ADARA's contributions to the ONOS project," said Bill Snow, Vice President of Engineering at the ONOS project. "Collaborations with companies such as ADARA that deliver advanced, production-ready SDN solutions significantly strengthen ONOS' community and help drive our ongoing mission to bring openness and innovation to the Internet and cloud for the public good."

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, Ciena, Cisco, Ericsson, Fujitsu, Huawei, Intel and NEC; members who are collaborating and contributing to ONOS include ONF, Infoblox, SRI, Internet2, Happiest Minds, KISTI, KAIST, Kreonet, NAIM, CNIT, Black Duck, Create-Net, Criterion Networks and the broader ONOS community.

"We are honored to be part of ONOS' ecosystem of technology visionaries, and to be invited to contribute to the ONOS project, which we view as the model for industry initiatives that will drive widespread adoption of SDN," said Eric Johnson, CEO, ADARA Networks. "ADARA and ONOS packaged and distributed together combine advanced SDN capabilities with the leading open source SDN network operating system to deliver important features in ONOS that will help drive wider adoption and distribution."

ADARA will develop, contribute and integrate features, functions and modules that will advance the production capabilities of ONOS, and will package ONOS for distribution as part of ADARA's SDN solutions.

"ONOS' rapid growth is supported by the purity of the development, by ON.Lab's invitation to technology leaders to partner, and by its collaboration with other technology communities committed to open innovation with service provider customers, vendors and developers to drive SDN adoption," said Mukesh Kumar, Director of Engineering, ADARA Networks. "The ONOS Intent Framework is a very critical part of the ONOS architecture, and ADARA's engineering team is looking forward to contributing enhancements to the ONOS codebase and feature set. We share ON.Lab's vision for ONOS, and our goal is to facilitate both the growth of ONOS adoption and ONOS' ecosystem."

The specific enhancements and additions to ONOS that ADARA is implementing include:

- Host-based SLA – Metered, Device
- Node-based SLA – Metered
- REST APIs for the following:
  - Configuring Optical Switch parameters from applications
  - Full support for OpenFlow Optical Extensions
  - Event notification support through Message Queue for:
    - Device\_Add
    - Device\_Removal
    - Port Up
    - Port Down
    - and more
- Path Computation Engine module that advances the state-of-the-art, built on top of ONOS:
  - Incorporates BGP, OSPF, DLSP
  - Message queue support for PKT\_IN/PKT\_OUT to support external Path Computation Engine module

- Path Computation Engine module built on top of ONOS with features that will address key use cases:
  - Packet Optical Integration
  - Data Center Interconnection

ADARA's SDN solutions that will be packaged together with ONOS for distribution include: the [ADARA Sky SDN Controller](#) and Path Computation Engine and the [ADARA CloudFabric Cloud Management Platform](#) for P+V Infrastructure Orchestration with the ONOS Controller and the ONOS code enhanced with ADARA contributed Event Notification, Message Queue and OpenFlow Optical Extensions, as well as ONOS Intent Framework Extensions for SLA Management.

To contact ADARA to learn more about its SDN solutions, click [here](#). To contact ONOS to learn more about becoming a member, collaborator, partner or contributor, email [info@onlab.us](mailto:info@onlab.us).

### About the ONOS project

ONOS is the open source SDN networking operating system for Service Provider networks architected for high performance, scale and availability. 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, Ciena, Cisco, Ericsson, Fujitsu, Huawei, Intel and NEC; members who are collaborating and contributing to ONOS include ONF, Infoblox, SRI, Internet2, Happiest Minds, KISTI, KAIST, Kreonet, NAIM, CNIT, Black Duck, Create-Net, Criterion Networks and the broader ONOS community. Learn how you can get involved with ONOS at [onosproject.org](http://onosproject.org).

### About ADARA Networks

ADARA Networks is an industry leading developer of production-ready and vendor-neutral Software Defined Networking (SDN), Virtual Computing, and Networking solutions. ADARA SDN is a complete end-to-end solution including Network Functions Virtualization, WAN optimization, network monitoring, management, and configuration, security, services/infrastructure choreography and network orchestration. By enabling more flexible, secure, and high performing IT infrastructure environments, ADARA SDN empowers enterprise customers to develop new revenue streams, increase bottom line and net profits, and return on investment (ROI). For more information, please visit ADARA's [website](#).

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