

OpenDaylight is Verizon's Directional SDN Controller

OPEN SOURCE SUPPORTS VENDOR AGNOSTIC AND ABSTRACTED NETWORK

"OpenDaylight is Verizon's foundational and directional SDN controller with 2 use cases in production across the network. It provides us with the ability to innovate at our own pace and helps drive down both CapEx and OpEx."

-TODD TURNEY, SR MANAGER, SDN TECHNOLOGY & PLANNING, VERIZON



COMPANY

Verizon Communications Inc. (NYSE, Nasdaq: VZ) was formed on June 30, 2000 and is one of the world's leading providers of technology and communications services. Headquartered in New York City and with a presence around the world, Verizon generated revenues of \$128.3 billion in 2020. The company offers data, video and voice services and solutions on its award-winning networks and platforms, delivering on customers' demand for mobility, reliable network connectivity, security and control.

CHALLENGE

In the past, Verizon received a hardened ODL distribution that was "open source in nature" but still required external regression testing, solution packaging, and support. After initial work with ODL, they decided to pull the ODL testing / packaging / support in-house and create their own Verizon optimized ODL distribution.

SOLUTION

Verizon brings a strong developer team to the project with several employees directly participating in ODL on eleven ODL projects and are working to assume a leadership role in several of these modules/projects. Currently, Verizon is using Yang model driven platform solutions and wants to integrate different types of data modeling technology, Open APIs, rest platforms, and more. This will allow them to integrate with more services.

BENEFITS

- Provides the framework to support a vendor agnostic and abstracted network view of upstream OSS/BSS systems, greatly simplifying network systems while allowing flexibility for changes.
- Allows Verizon to avoid vendor lock-in and gives the flexibility to pick and choose what is needed in a SDN controller based on use cases, easily build applications on top of ODL, and remove vendor EMS (Element Management System) solutions from the network.
- Takes advantage of contributions and innovations available within the ODL community without consulting professional services, paying license fees, or committing to annual maintenance support.
- Allows Verizon to innovate at their own pace.