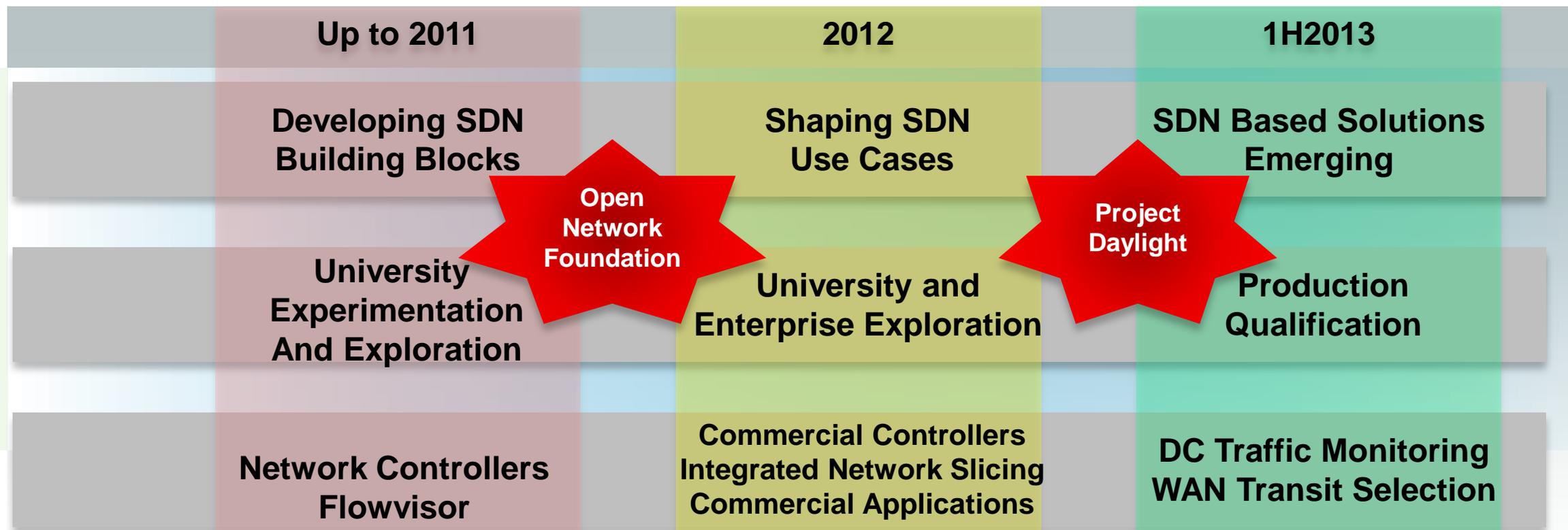


The SDN Evolution

Phil Casini, Senior Product Manager, Cisco Systems

So How Far Have We Come with SDN?



Universities Have Led Innovation Throughout the Journey!

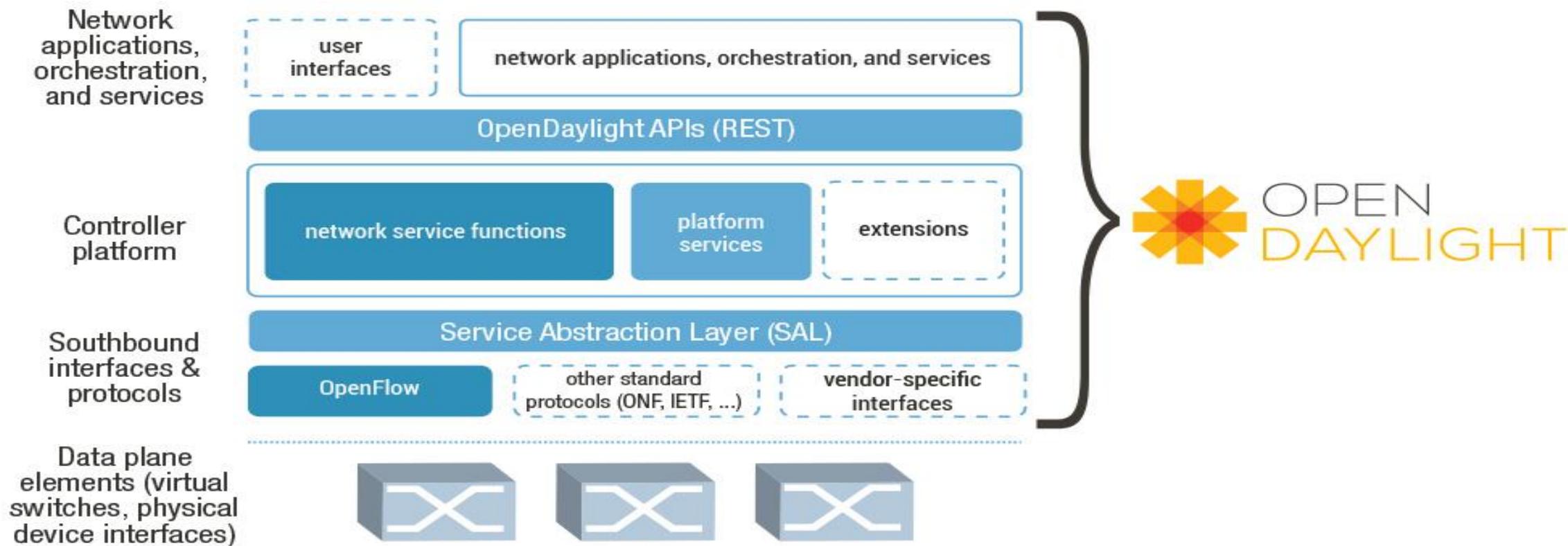
What is Project Daylight?

Daylight is an open source project formed by industry leaders and others under the [Linux Foundation](#) with the mutual goal of furthering the adoption and innovation of Software Defined Networking (SDN) through the creation of a common vendor supported framework.

The image displays the logos of various companies that are members of Project Daylight, organized into three tiers: Platinum, Gold, and Silver. Each tier is enclosed in a rectangular box with a label at the top.

- Platinum:** Includes logos for Brocade, Ericsson, Citrix, Juniper Networks, Cisco, IBM, Microsoft, Big Switch Networks, and Red Hat.
- Gold:** Includes logos for NEC and VMware.
- Silver:** Includes logos for HP, Arista, Intel, Dell, Fujitsu, Nuage Networks, and Plumgrid.

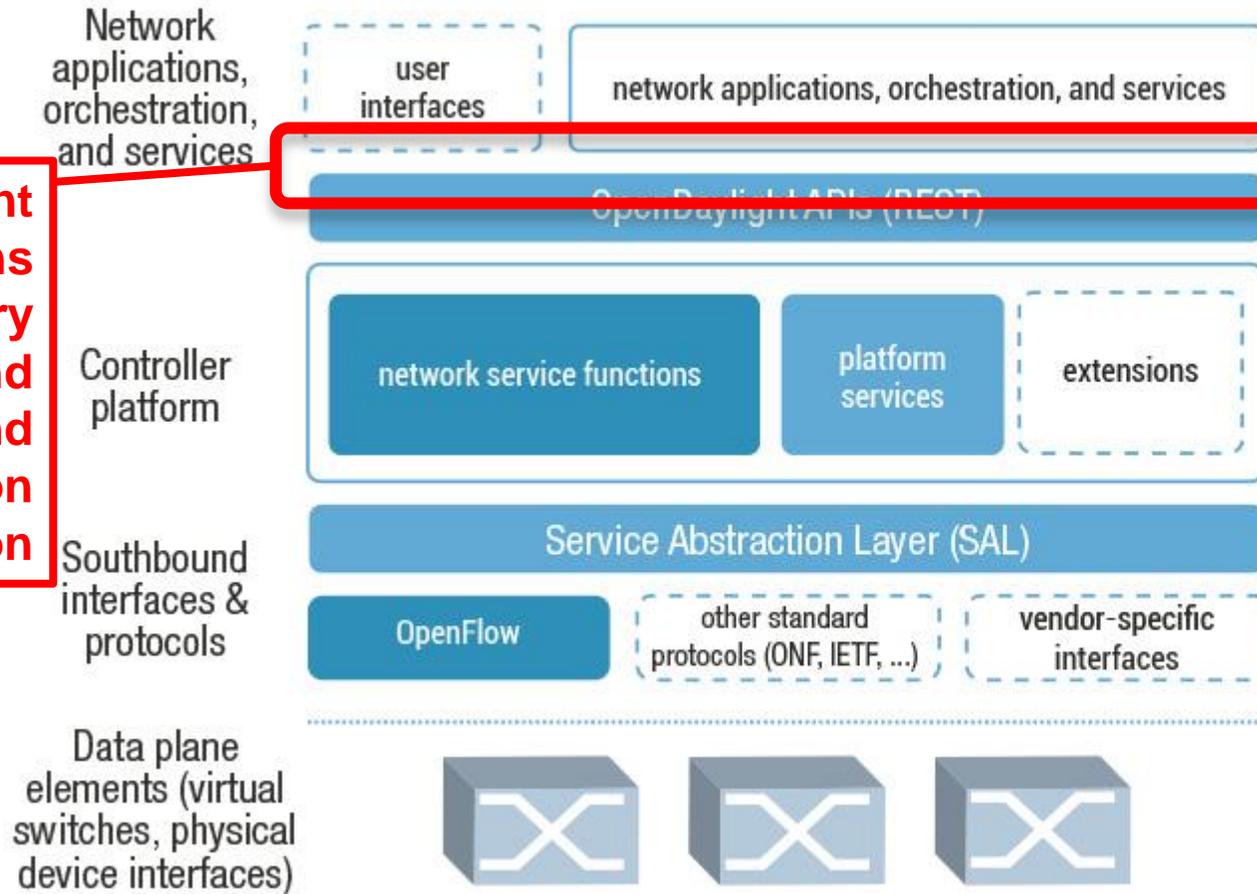
Project Framework



A New “Sandbox” For Experimentation and Innovation

Northbound API Standardization: The Next Big Exploration Area for SDN

Shifting the management of network operations “state” to the boundary between the northbound controller interface and the SDN application requires innovation



Is HTCondor An Answer?

- Submission of SDN application "requests" (aka job requests) to the SDN Controller in a uniform manner may provide a useful structure for efficiently arbitrating the Controller's utilization
- Mapping resource requests with available resources across a distributed topology may provide an efficient "scheduling" element for networking flow management policies
- Providing network policies to an SDN Controller from HT Condor CAN provide useful guidance to improve network behavior

Thank you.

