



Driving Innovation with OpenDaylight

ODL Summit

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Cisco Cloud and Virtualization Group

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OpenDaylight SDN Platform



Open Source Community

SDN and NFV Strategy

Open SDN Controller

Use Cases

Get Coding

Meet the Community Behind OpenDaylight

47 members and growing...

1.9 million lines of code

radware

YourKit

ARISTA

A10 Networks

COMPASS



transmode

INTRACOM

JUNIPER

INOCYBE
TECHNOLOGIES

VERSA
NETWORKS



nuagen



ciena



redhat

ADVA
Optical Networking



HUAWEI

QOSMOS
Your Network is Information



PANTHEON
technologies

ORACLE

PLUMgrid



NEC

midokura

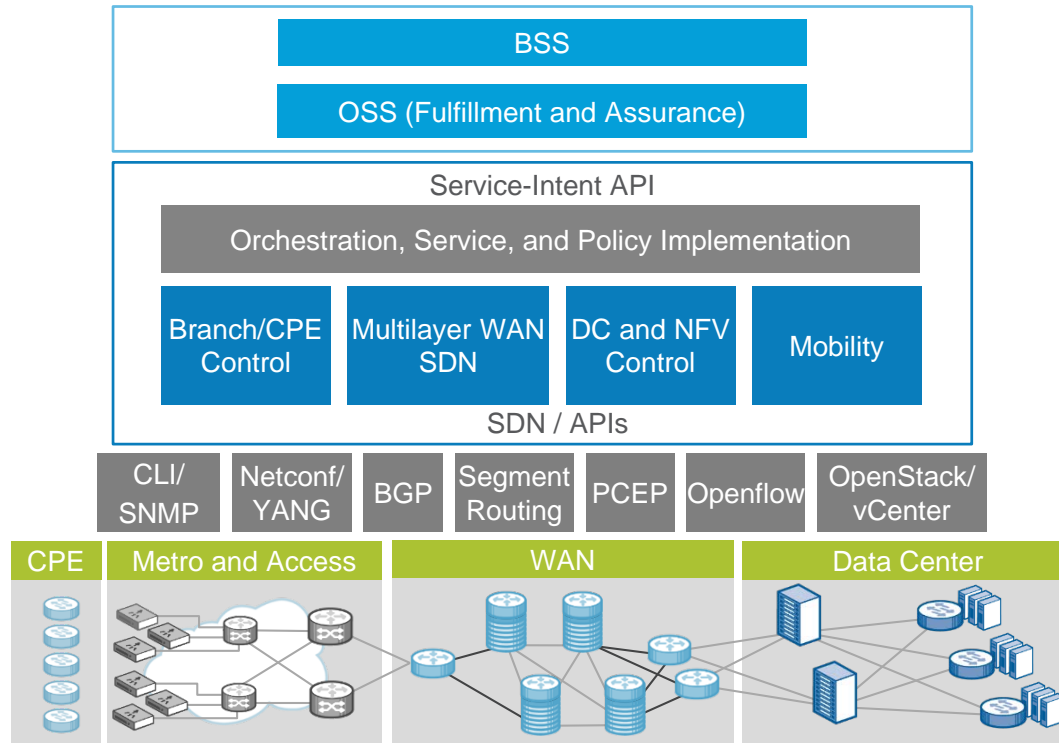
FLEXTRONICS X

Microsoft

KEMP
LOAD BALANCERS



SDN/NFV Strategy for Service Providers



- Model driven, end-to-end service lifecycle and customer experience focus
- Seamless integration with existing and future OSS/BSS environment
- Loosely coupled and modular architecture, leveraging open APIs and standard protocols
- Orchestration across multidomain and multilayer providing centralized policy and services across entire network

Cisco Open SDN Controller

A Cisco Commercial Distribution of OpenDaylight



Hardened, validated, supported
OpenDaylight distribution

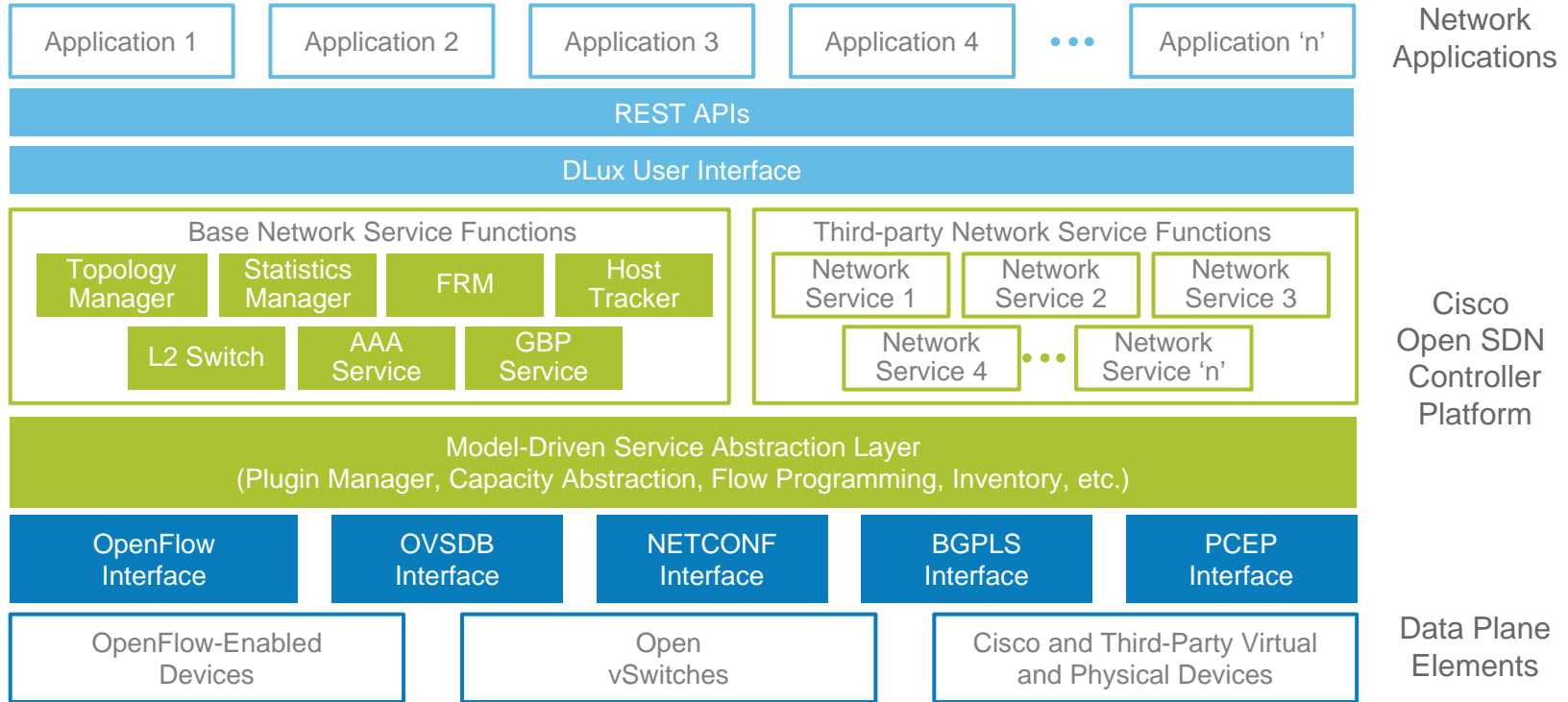
Supports high availability and scale

Improves serviceability for operations and deployment

Enables Cisco Virtual Managed Services
and WAN Automation Engine

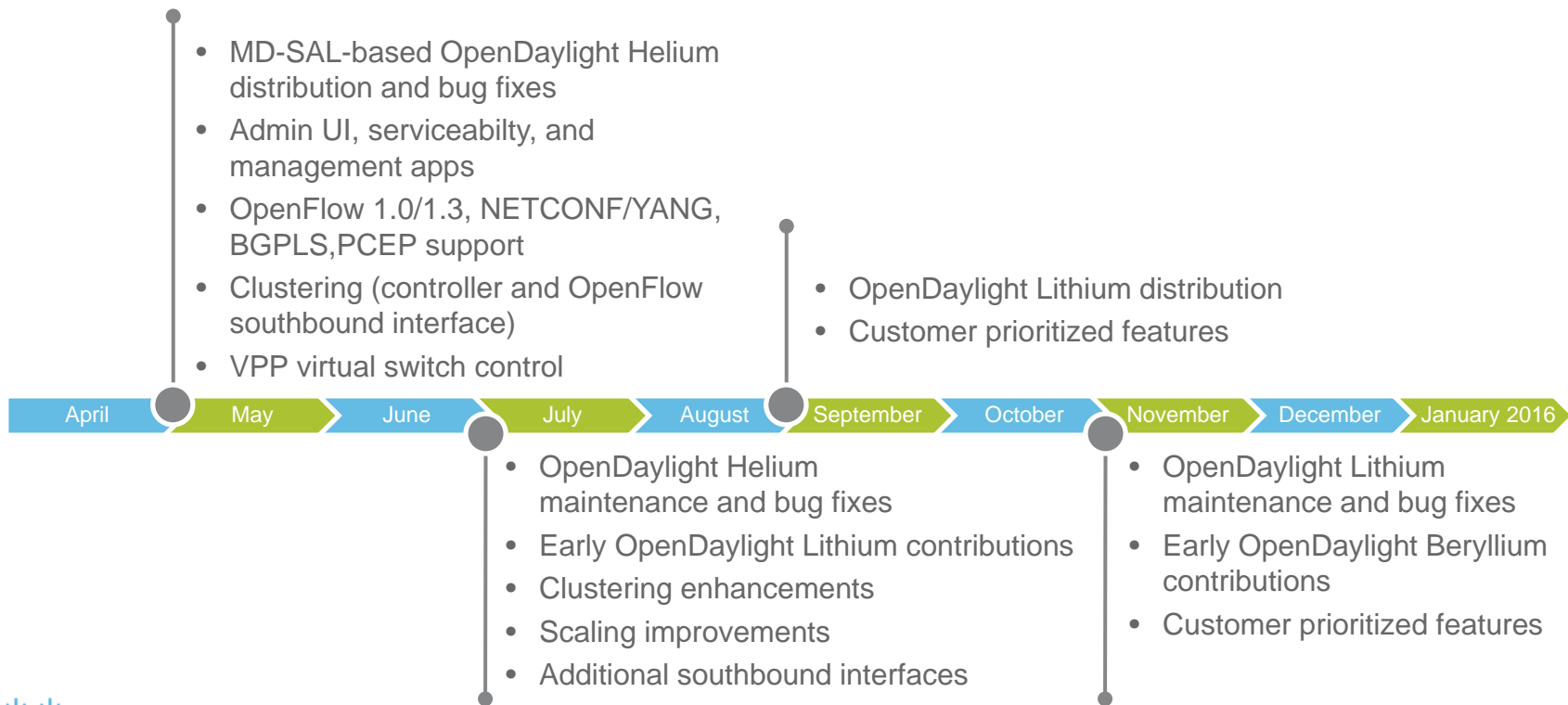
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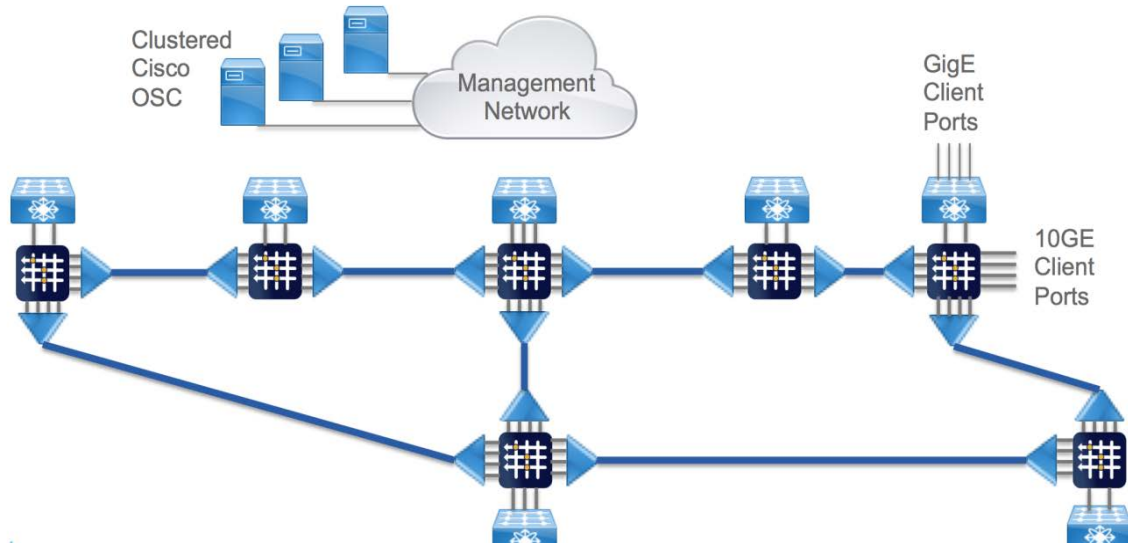
2015 Cisco Open SDN Controller Roadmap

Agile Development—Bimonthly Releases



SDN-based Metro Ethernet Services

Tier-1 Telco Use Case



L1 switches

- NETCONF/YANG (RFC7223) control
- 10GigE point-to-point service
- Cross-connect at intermediate sites for multihop services

L2 switches

- OpenFlow control
- GigE and fractional GigE points of service
- Flexible packet matching into “service” – port, VLAN, IP, flow, etc.
- Point-to-point and point-to-multipoint services

Open SDN Controller

Overview ▶

Community Forums ▶

Try it Now ▶

Support ▶

Cisco Open SDN Controller

- Commercial distribution of OpenDaylight
- REST and JAVA application program interfaces
- Heterogeneous network device support

1 Discover

Find out about the Open SDN Controller and why you should build on it.



2 Watch the Videos

See what you can do with Cisco Open SDN Controller.

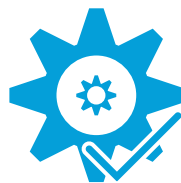


3 Start Developing

Build your own SDN with the Cisco Open SDN Controller Sandbox.



Take Action



Explore

Look at what you can build with ODL that you couldn't before

Enjoy

Onboard apps with ease, speed, and efficiency

Code

Roll up your sleeves and get your hands dirty with code

developer.cisco.com/site/openSDN

