



Introduction to OpenDaylight

Inder Gopal, IBM
Chair, OpenDaylight board

April 16, 2013



What is OpenDaylight?

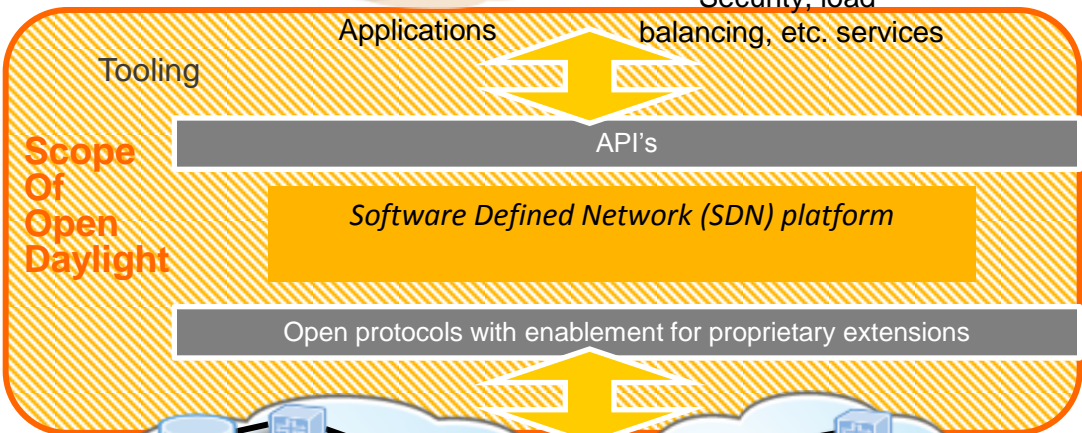
OpenDaylight is an **Open Source Software** project under the **Linux Foundation** with the goal of furthering the adoption and innovation of **Software Defined Networking** (SDN) through the creation of a common industry supported framework.

What is the scope?

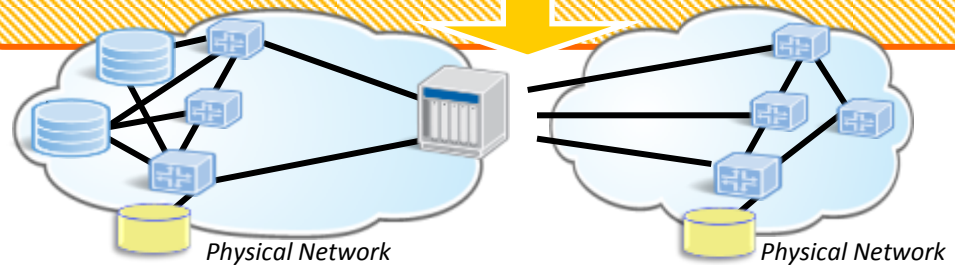
Applications and services that ride on, optimize, exploit, and manage the network



Software Defined Networking -- a software layer that makes the network more programmable, agile, and efficient



Physical and virtual data forwarding entities



Who are the members?

Platinum



Gold



Silver



Members as of April 16, 2013 and growing

What is the angle ?

What is the value to the industry ?

→ *Speeds up adoption of SDN*

- Enable faster innovation by vendors as they will start from a higher footing (collaborative development)
- Real interoperability across vendors (App-platform-switch)
- No vendor lock-in for customers
- Speeds up acceptance of API's which can only emerge when there is a broadly accepted software platform
- Customers can participate and gain access new technologies more quickly

What are the OpenDaylight Goals?

- **Code:** To create a robust, extensible, scalable, commercial/carrier grade open source code base that covers the major common components required to build an SDN solution
- **Acceptance:** To get broad industry acceptance amongst vendors and users
 - Enterprises, service providers, carriers, using OpenDaylight code directly or through vendor products
 - Vendors using OpenDaylight code as part of commercial products with differentiation above, below, around
- **Community:** To have a thriving and growing technical community contributing to the code base, using the code in commercial products, and adding value above, below and around.

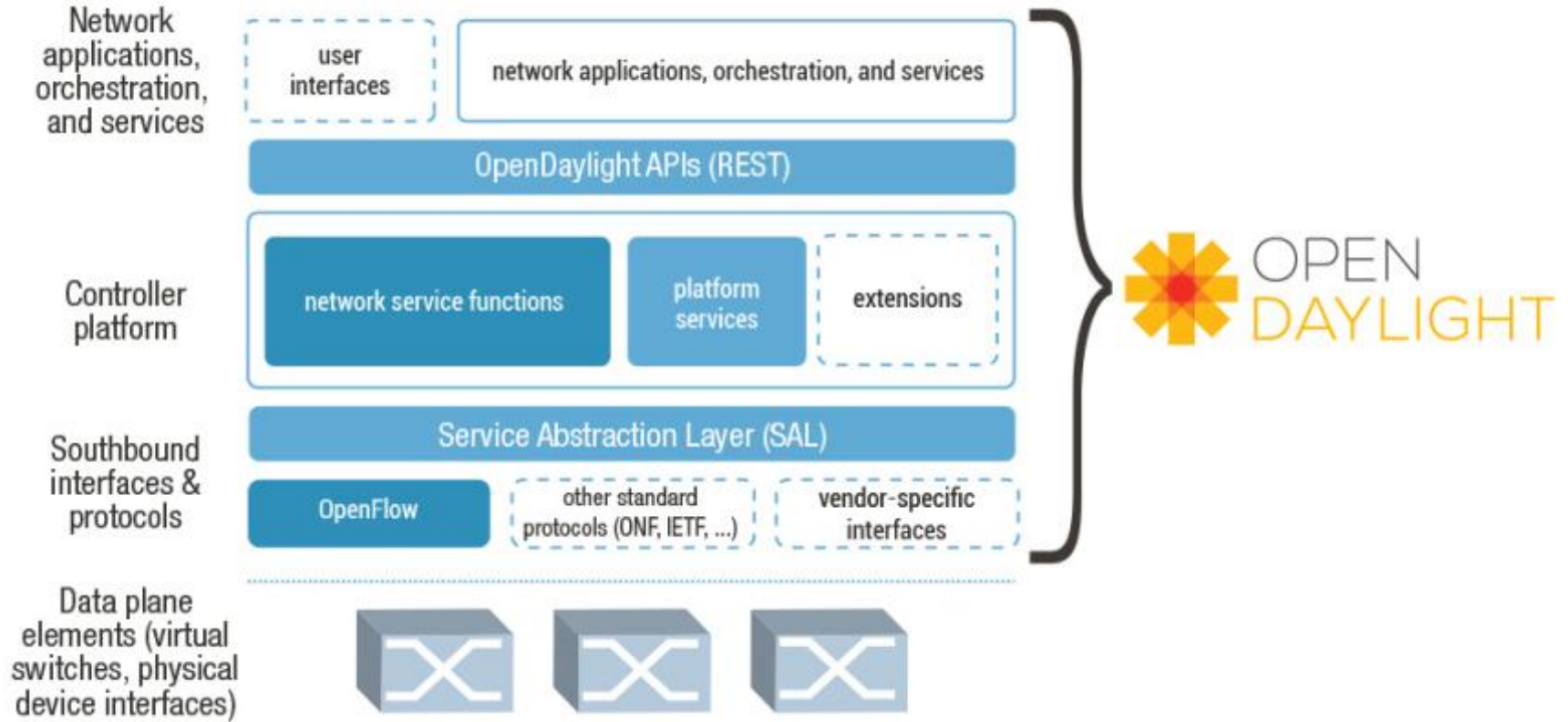
Come back
In two years
and grade us!



How will OpenDaylight work?

- Membership open to all
 - No charge for individual developers
- Meritocracy
- Business leadership: Board of Directors
 - Governance, marketing, operations
- Technical leadership: Technical Steering Committee (TSC)
 - Technical direction, project selection, technical decisions
 - Open meetings, mailing lists, proceedings

What is the OpenDaylight architecture?



Where is the code?

- Lots of code has been contributed or proposed as contribution by leading companies and developers
 - A veritable treasure trove of riches
 - TSC has to put this together in a coherent fashion
 - 3Q13 is the first OpenDaylight release
- Developers can contribute code at the individual level
- Eclipse Public License (EPL)



And more questions...

- Why no members who are carriers, service providers or enterprises?
- Why is OpenDaylight dominated by vendors?
- How will OpenDaylight get user requirements?
- Relationship to the ONF? Other bodies?
- How is this different than the other existing OSS efforts?
- How will vendors make money if “everything is open source”?

Some key dates

Date	Event
08 April 2013	Public announcement & first code contributed
15-17 April 2013	Plenary and Technical Sessions at Open Networking Summit
5-9 May 2013	Interop Las Vegas
Q2 CY13	Technical architecture released
Q3 CY13	Initial code release



Resources

- More information and to join:
 - www.opendaylight.org
 - info@opendaylight.org
 - lists.opendaylight.org
- Keep informed
 - [@openDaylightSDN](https://twitter.com/openDaylightSDN)



Join us!



HOME » DEVELOPERS

DEVELOPERS

Founded upon the principles of open, ethical and transparent development, companies have joined forces to establish the largest software-defined networking Open Source project to date, with the goal of a common and open SDN Platform for vendors, customers, partners and developers to utilize, contribute to and build commercial products upon.

» How To Participate

As is common with most open source projects there are many ways to participate in OpenDaylight, from writing code, QA and participating in events. [LEARN MORE](#)

» Tools

Access the software development and management tools available for OpenDaylight developers. [LEARN MORE](#)

» Mailing Lists

OpenDaylight has a number of mailing lists for developers and users to discuss the project. [LEARN MORE](#)

» Wiki

Participate with other members of the OpenDaylight community by adding content to our wiki. [LEARN MORE](#)

BECOME A MEMBER TODAY

Learn more about how to join the project.

[CLICK HERE](#)

NEWSLETTER

Sign up for our newsletter to date on OpenDaylight.

First Name *

.....

Last Name *

.....

Email *

.....

Company *

.....

Job Title *

.....

