

Introduction to OpenDaylight

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Agenda

- OpenDaylight intro
- OpenDaylight architecture overview
- Getting involved in the OpenDaylight Project

What is OpenDaylight?

- OpenDaylight is an ***open source project*** under the [Linux Foundation](#) with the mutual goal of furthering the adoption and evolution of SDN through the creation of a common industry supported framework.
- Tiered Membership
 - Platinum, Gold, Silver
 - Platinum: Cisco, Brocade, Juniper, Citrix, Ericsson, IBM, Microsoft, redhat

OpenDaylight goals

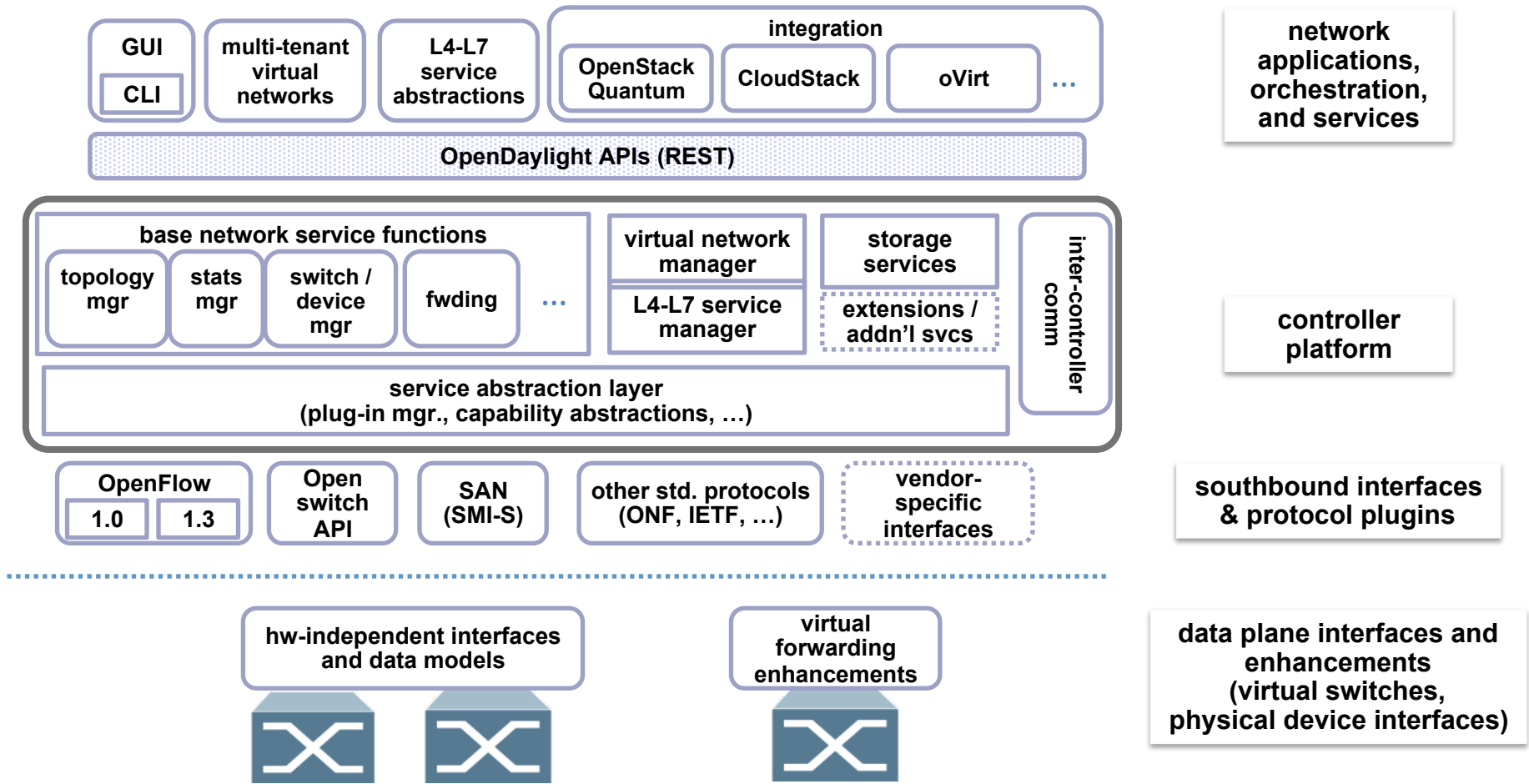
- **Code:** To create a robust, extensible, open source code base that covers the major common components required to build an SDN solution
- **Acceptance:** To get broad industry acceptance amongst vendors and users
- **Community:** To have a thriving and growing technical community contributing to the code base, using the code in commercial products, and adding value above, below and around
- **Key Principles:** Open, transparent, fair



OpenDaylight code

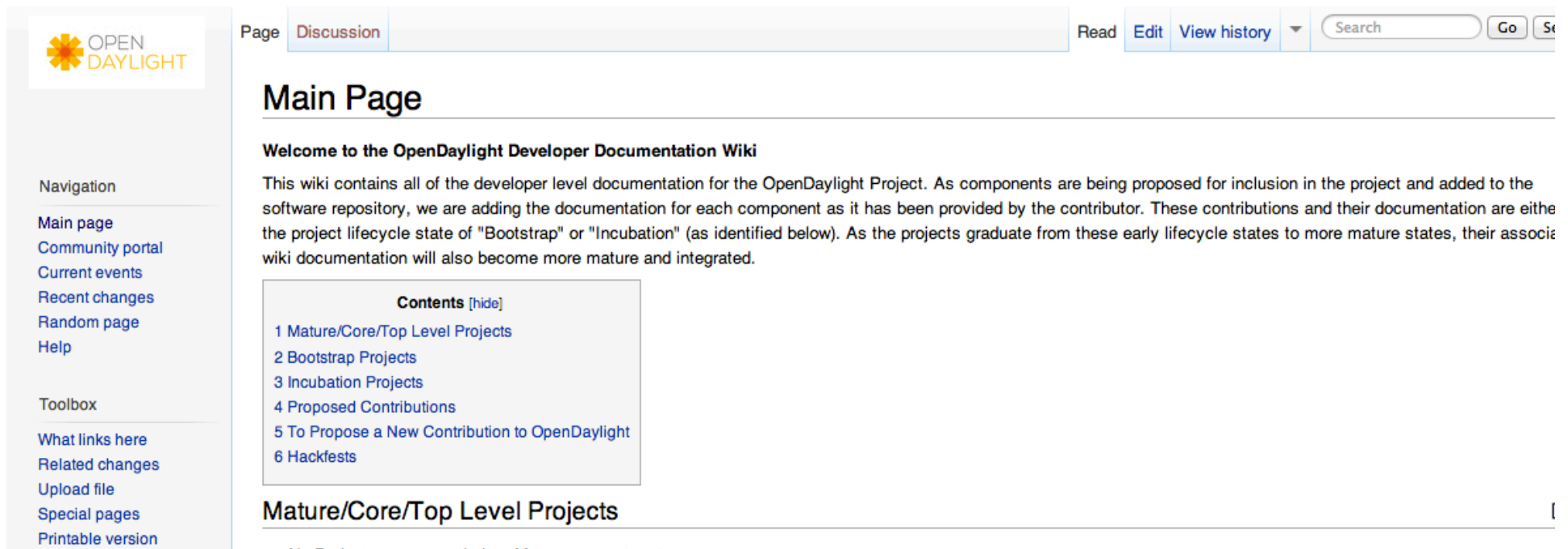
- A wide array of technologies contributed by leading companies and developers
- Open Source: Any developer can contribute code as an individual
- Robust framework/platform for new apps and tools
- [Eclipse Public License](#) (EPL)
- So what is the ODP architecture?

OpenDaylight SDN platform Architectural Framework



Getting started with OpenDaylight

- Developer documentation: wiki.opendaylight.org
 - list of current projects in various states
 - links to documentation on current projects, e.g., how to get/build code, architecture, etc.
 - information on proposing new projects for OpenDaylight



The screenshot shows the main page of the OpenDaylight Developer Documentation Wiki. At the top left is the OpenDaylight logo. Below it is a navigation menu with links for Main page, Community portal, Current events, Recent changes, Random page, and Help. A toolbox section includes links for What links here, Related changes, Upload file, Special pages, and Printable version. The main content area features a 'Discussion' tab, a search bar, and a 'Main Page' heading. The welcome message states: 'Welcome to the OpenDaylight Developer Documentation Wiki. This wiki contains all of the developer level documentation for the OpenDaylight Project. As components are being proposed for inclusion in the project and added to the software repository, we are adding the documentation for each component as it has been provided by the contributor. These contributions and their documentation are either the project lifecycle state of "Bootstrap" or "Incubation" (as identified below). As the projects graduate from these early lifecycle states to more mature states, their associated wiki documentation will also become more mature and integrated.' Below this is a 'Contents' table of contents with six items: 1 Mature/Core/Top Level Projects, 2 Bootstrap Projects, 3 Incubation Projects, 4 Proposed Contributions, 5 To Propose a New Contribution to OpenDaylight, and 6 Hackfests. The page title 'Mature/Core/Top Level Projects' is visible at the bottom of the content area.

Getting involved in OpenDaylight

- Open mailing lists: lists.opendaylight.org
 - discussion groups on specific projects

lists.opendaylight.org Mailing Lists

Welcome!

Below is a listing of all the public mailing lists on lists.opendaylight.org. Click on a list name to get more information about the list, or to subscribe, unsubscribe, and change the preferences on your subscription. To visit the general information page for an unadvertised list, open a URL similar to this one, but with a '/' and the list name appended.

List administrators, you can visit [the list admin overview page](#) to find the management interface for your list.

If you are having trouble using the lists, please contact mailman@lists.opendaylight.org.

List

Description

controller-announce	OpenDaylight Controller Announcements (low volume)
controller-bugs	Notifications from Bugzilla for the OpenDaylight Controller.
controller-dev	Developer discussions for the Open Daylight Controller.
controller-gerrit	Gerrit automated notices about the OpenDaylight Controller.
controller-jenkins	Jenkins CI notifications for the OpenDaylight Controller
controller-users	Community driven support alias for the OpenDaylight Controller.
Discuss	OpenDaylight cross project discussion
opendaylight-announce	OpenDaylight Announcements (low volume)
opendaylight-users	OpenDaylight community support
project-proposals	OpenDaylight project proposals to the TSC
TSC	OpenDaylight Technical Steering Committee



version 2.1.12



OpenDaylight | ONS Developer Breakout

OpenDaylight governance – 10K view

- Bylaws: <http://www.opendaylight.org/project/bylaws>
- ODP *Board of Directors* will manage business leadership for OpenDaylight including governance, marketing and operational decisions
 - Initial BOD populated by Platinum members + 1 gold + 1 silver
- ODP *Technical Steering Committee* sets technical direction
 - TSC provides technical leadership for OpenDaylight
 - TSC members are elected and is comprised of developers and project leaders
 - Initially seeded with Platinum member representatives
 - TSC chair ex-officio member of the Board
 - TSC chair elected annually with no term limits
- Importantly: ***OpenDaylight is open to anyone.*** In particular
 - Anyone can develop and contribute code
 - Anyone get elected to the Technical Steering Committee
 - Anyone can get elected to the Board
 - Anyone can help steer a project forward in any number of ways

A Little More on the TSC

- Technical direction set by the Technical Steering Committee
 - Responsible for maintaining platform codebase
 - Sets release train scope and schedule
- TSC membership
 - Initialized with representatives from platinum member companies
 - Will evolve to be comprised of core project leads and community representatives
- TSC meetings and mailing list are open to the community
 - See lists.opendaylight.org to subscribe to the TSC mailing list
 - Meetings currently Thursdays at 1000 PDT
 - Dial in information: <https://wiki.opendaylight.org/view/TSC:Main>
 - Minutes
 - All decisions documented and recorded, posted on public web site
- Technical work stream calls
 - https://wiki.opendaylight.org/view/Tech_Work_Stream:Main

Thanks!