OpenDaylight Project

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| --- | --- |
| **OpenDaylight** | |
|  | |
| **Initial release** | 5 February, 2014 |
| [**Stable release**](https://en.wikipedia.org/wiki/Software_release_life_cycle) | 13 (Aluminium) / 28 September, 2020 |
| [**Repository**](https://en.wikipedia.org/wiki/Repository_(version_control)) | <https://github.com/opendaylight/> |
| **Written in** | Java |
| [**License**](https://en.wikipedia.org/wiki/Software_license) | Eclipse Public License 1.0 |
| **Website** | <https://www.opendaylight.org/> |

The **OpenDaylight Project** is a collaborative [open-source](https://en.wikipedia.org/wiki/Open-source_model) project hosted by [The Linux Foundation](https://en.wikipedia.org/wiki/The_Linux_Foundation). The project serves as a platform for [software-defined networking](https://en.wikipedia.org/wiki/Software-defined_networking) (SDN) for open, centralized, network device monitoring.



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History[[edit](https://en.wikipedia.org/w/index.php?title=OpenDaylight_Project&action=edit&section=1)]

On April 8, 2013, [The Linux Foundation](https://en.wikipedia.org/wiki/The_Linux_Foundation) announced the founding of the OpenDaylight Project. The goal was to create a community-led and industry-supported open-source platform to accelerate adoption & innovation in terms of [software-defined networking](https://en.wikipedia.org/wiki/Software-defined_networking) and network functions virtualization (NFV).[[1]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-1)[[2]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-Launch-2) The project's founding members were Big Switch Networks, Brocade, [Cisco](https://en.wikipedia.org/wiki/Cisco_Systems), [Citrix](https://en.wikipedia.org/wiki/Citrix_Systems), [Ericsson](https://en.wikipedia.org/wiki/Ericsson), [IBM](https://en.wikipedia.org/wiki/IBM), [Juniper Networks](https://en.wikipedia.org/wiki/Juniper_Networks), [Microsoft](https://en.wikipedia.org/wiki/Microsoft), NEC, [Red Hat](https://en.wikipedia.org/wiki/Red_Hat) and [VMware](https://en.wikipedia.org/wiki/VMware).[[3]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-3)

Reaction to the goals of [open architecture](https://en.wikipedia.org/wiki/Open_architecture) and administration by the Linux Foundation have been mostly positive.[[4]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-4)[[5]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-5) While initial criticism centered on concerns that this group could be used by incumbent technology vendors to stifle innovation, most of the companies signed up as members do not actually sell incumbent networking technology.[[6]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-6)

**Technical Steering Committee**[[edit](https://en.wikipedia.org/w/index.php?title=OpenDaylight_Project&action=edit&section=2)]

For governance of the project, the TSC (Technical Steering Committee) serves as the advisory organ, with technical oversight over the project[[7]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-7). The TSC is able to hold voting on major changes to the project. As of November 2020[[8]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-8), the TSC consists of 5 members[[9]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-9) (in order to be able to have a deciding voting number):

* Anil Belur
* Guillaume Lambert ([Orange](https://en.wikipedia.org/wiki/Orange_S.A.))
* Luis Gomez ([Kratos](https://en.wikipedia.org/wiki/Kratos_Defense_%26_Security_Solutions))
* Robert Varga ([PANTHEON.tech](https://en.wikipedia.org/w/index.php?title=PANTHEON.tech&action=edit&redlink=1))
* Venkatrangan Govindarajan ([Rakuten Mobile](https://en.wikipedia.org/wiki/Rakuten))

**Code contributions**[[edit](https://en.wikipedia.org/w/index.php?title=OpenDaylight_Project&action=edit&section=3)]

By 2015, user companies had begun participating in upstream development. The largest contributing companies include [PANTHEON.tech](https://en.wikipedia.org/w/index.php?title=PANTHEON.tech&action=edit&redlink=1)[[10]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-10), Orange, Red Hat, Ericsson and Lumina Networks[[11]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-11). At the time of the Carbon release in May 2017, the project estimated that over 1 Billion subscribers were accessing OpenDaylight-based networks, in addition to use within large enterprises.[[12]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-12)

There is a dedicated OpenDaylight Wiki[[13]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-Wiki-13), and several mailing lists[[14]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-14) are available. These resources are aimed at developers wishing to contribute to the project, as well as others interested in learning about specific sub-projects.

Technology[[edit](https://en.wikipedia.org/w/index.php?title=OpenDaylight_Project&action=edit&section=4)]

**OpenDaylight Projects**[[edit](https://en.wikipedia.org/w/index.php?title=OpenDaylight_Project&action=edit&section=5)]

The platform is described as a modular, open-source platform for automating networks. Part of the concept of modularity are over 50 projects, which address & extend the capabilities of networks managed by OpenDaylight. Each project has a formal structure, teams and meetings to discuss releases, functionality and code[[15]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-15). Projects include BGPCEP, TransportPCE, NETCONF, YANG Tools & more.[[16]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-16)

Releases[[edit](https://en.wikipedia.org/w/index.php?title=OpenDaylight_Project&action=edit&section=6)]

Releases follow a nomenclature, based on the chemical element's atomic number and the corresponding releases number. The following lists the different OpenDaylight releases:

| **Release Name** | **Release Date** |
| --- | --- |
| Hydrogen | February 2014 |
| Helium | October 2014 |
| Lithium | June 2015 |
| Beryllium | February 2016 |
| Boron | November 2016 |
| Carbon | June 2017 |
| Nitrogen | September 2017 |
| Oxygen | March 2018 |
| Fluorine | August 2018 |
| Neon | March 2019 |
| Sodium | September 2019 |
| Magnesium | March 2020 |
| Aluminium | September 2020 |

Members[[edit](https://en.wikipedia.org/w/index.php?title=OpenDaylight_Project&action=edit&section=7)]

Originally there were three tiers of membership for OpenDaylight: Platinum, Gold and Silver, with varying levels of commitment.

As of January, 2018, OpenDaylight became a project within the LF Networking Fund,[[17]](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_note-17) which consolidated membership across multiple projects into a common governance structure. Most OpenDaylight members became members of the new LF Networking fund.

See also[[edit](https://en.wikipedia.org/w/index.php?title=OpenDaylight_Project&action=edit&section=8)]

* [List of SDN controller software](https://en.wikipedia.org/wiki/List_of_SDN_controller_software)

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  14. [**^**](https://en.wikipedia.org/wiki/OpenDaylight_Project#cite_ref-14) [Open Daylight Developer's Mailing List](http://www.opendaylight.org/developers/mailing-lists)
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