

MISSION

Our Mission

The Open Networking Foundation (ONF) is an operator-driven, community-led non-profit consortium fostering and democratizing innovation in software-defined programmable networks. Through ecosystem building, advocacy, research and education, ONF is accelerating the state-of-the-art in open networking and catalyzing creation and adoption of open disaggregated solutions leveraging open source software.

ONF Journey

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Phase 1 2011-2016

- ONF was spun out of Stanford and Berkeley Universities to pursue Software Defined Networking (SDN)
- ONF community standardized the OpenFlow protocol to enable separation of the network control and dataplanes, thus enabling multi-vendor SDN implementations

operators and vendors in the industry to move more quickly towards SDN

- To speed progress and prove what was possible, operators and a few vendors partnered to fund for an ONF engineering team
- ONF built leading platforms that were deployed by a few tier 1 operators

Phase 3 2022+

- Now that ONF's platforms are proven and being deployed, ONF is focused on expanding adoption and building developer communities

is bringing the power of open source to networking, broadening ONF's impact

ONF Open Source and Standards Liaisons & Collaborations

Significant transformation is underway leveraging open source for building next generation technologies and solutions in the networking, telco, cloud and communication service provider domains. ONF actively collaborates with other industry organizations that share in this vision, working to align activities and accelerate overall market adoption.



(<https://www.broadband-forum.org/>)

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(<https://www.linuxfoundation.org/>)



OPEN
Compute Project

(<https://www.opencompute.org/>)



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(<https://www.o-ran.org/>)



TELECOM INFRA
PROJECT

(<https://telecominfraproject.com/>)

MOBILE NETWORKS (<https://opennetworking.org/onf-mobile-projects/>)

SUSTAINABLE 5G (https://opennetworking.org/?page_id=19961)

PRIVATE 5G & EDGE (<https://opennetworking.org/aether-old/>)

MOBILE CORE (<https://opennetworking.org/sd-core/>)

OTHER PROJECTS (<https://opennetworking.org/op-overview/>)

CORD (<https://opennetworking.org/cord/>)

MININET (<https://opennetworking.org/mininet/>)

ODTN (<https://opennetworking.org/solutions/odtn-2/>)

OIMT (<https://opennetworking.org/open-information-model-tooling/>)

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- TRELLIS (<https://opennetworking.org/trellis/>)
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