

[OPENFLOW PROTOCOL](#)



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OpenFlow Wikipedia

OpenFlow erlaubt direkten Zugriff auf die Forwarding Plane eines Switches oder Routers, und zwar sowohl physisch als auch virtuell (Hypervisor-basiert). Weil eine solche offene Schnittstelle in klassischen Netzwerkgeräten fehlt, werden diese häufig als monolithisch, geschlossen und Mainframe-artig charakterisiert.

<http://ebookslibrary.club/OpenFlow---Wikipedia.pdf>

SDN OpenFlow Flowprogrammable

The OpenFlow protocol can be broken into four components: message layer, state machine, system interface, and configuration. The image and table below illustrate these components, their interaction, and describe their function at a high level.

<http://ebookslibrary.club/SDN-OpenFlow-Flowprogrammable.pdf>

OpenFlow Wikipedia

The OpenFlow protocol is layered on top of the Transmission Control Protocol (TCP) and prescribes the use of Transport Layer Security (TLS). Controllers should listen on TCP port 6653 for switches that want to set up a connection. Earlier versions of the OpenFlow protocol unofficially used port 6633.

<http://ebookslibrary.club/OpenFlow-Wikipedia.pdf>

What is OpenFlow Definition and How it Relates to SDN

Protocol History. The original concept for OF begun at Stanford University in 2008. By December 2009, Version 1.0 of the OpenFlow switch specification was released.

<http://ebookslibrary.club/What-is-OpenFlow--Definition-and-How-it-Relates-to-SDN.pdf>

OpenFlow protocol API Reference Ryu 4 30 documentation

OpenFlow protocol API Reference OpenFlow version independent classes and functions. Base class for OpenFlow messages

<http://ebookslibrary.club/OpenFlow-protocol-API-Reference---Ryu-4-30-documentation.pdf>

OpenFlow Switch Specification Open Networking Foundation

OpenFlow Switch Specification Version 1.4.0 Disclaimer THIS SPECIFICATION IS PROVIDED "AS IS" WITH NO WARRANTIES WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY, NONINFRINGEMENT, FIT-

<http://ebookslibrary.club/OpenFlow-Switch-Specification-Open-Networking-Foundation.pdf>

OpenFlow Konfigurationen Protokolle OF Config und OVSDB

Dieser Controller verwendet OpenFlow als so genanntes Southbound-Protokoll, um spezielle Datenflüsse zwischen den Nodes und dem Netzwerk zu erlauben.

<http://ebookslibrary.club/OpenFlow--Konfigurationen-Protokolle-OF-Config-und-OVSDB--.pdf>

OpenFlow The Wireshark Wiki

TCP: OpenFlow uses TCP as its transport protocol. Well known TCP ports for OpenFlow traffic are 6633 Well known TCP ports for OpenFlow traffic are 6633 and 6653 (the official IANA port since 2013-07-18).

<http://ebookslibrary.club/OpenFlow-The-Wireshark-Wiki.pdf>

Software Defined Networks and OpenFlow The Internet

The OpenFlow protocol describes message exchanges that take place between an OpenFlow controller and an OpenFlow switch. Typically, the protocol is implemented on top of SSL or Transport Layer Security (TLS), providing a secure OpenFlow channel.

<http://ebookslibrary.club/Software-Defined-Networks-and-OpenFlow-The-Internet--.pdf>

FAQ What is OpenFlow and why is it needed Network World

OpenFlow is a programmable network protocol designed to manage and direct traffic among routers and switches from various vendors. It separates the programming of routers and switches from

<http://ebookslibrary.club/FAQ--What-is-OpenFlow-and-why-is-it-needed--Network-World.pdf>

S PTN OpenFlow Protocol Extensions

OpenFlow Configuration Protocol (OF CONFIG) has been defined to enable remote configuration of an OpenFlow Capable switch (OFCS) from an OpenFlow Control Point (OFCP). An OFCS can contain one or more OFLS instance.

<http://ebookslibrary.club/S-PTN-OpenFlow-Protocol-Extensions.pdf>

Practical Software Defined Networking 6 The OpenFlow Protocol

Get acquainted with the OpenFlow network communications protocol. Explore the theory behind OpenFlow, dive into the details of OpenFlow messages, discover what happens when an SDN controller fails, and more.

<http://ebookslibrary.club/Practical-Software-Defined-Networking--6-The-OpenFlow-Protocol.pdf>

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