

## [OPENFLOW PROTOCOL](#)



## RELATED BOOK :

### **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/download/What-is-OpenFlow--Definition-and-How-it-Relates-to-SDN.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/download/OpenFlow-Wikipedia.pdf>

### **SDN OpenFlow Flowgrammable**

Overview OpenFlow, an instance of the SDN architecture, is a set of specifications maintained by the Open Networking Forum (ONF). At the core of the specifications is a definition of an abstract packet processing machine, called a switch.

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

### **OpenFlow Protocol Ryubook 1 0 documentation**

OpenFlow 1.0 had 12 types but in OpenFlow 1.3 as many as 40 types of conditions are defined. For details of individual matches, please refer to the OpenFlow specification. This section gives a brief description of the Match field in OpenFlow 1.3.

<http://ebookslibrary.club/download/OpenFlow-Protocol---Ryubook-1-0-documentation.pdf>

### **Practical Software Defined Networking 6 The OpenFlow Protocol**

The OpenFlow protocol is used to add, update, and delete flow entries in flow tables, both reactively and proactively. So remember, a proactive flow is a flow entry that is written before the traffic arrives, whereas a reactive flow entry is written after traffic arrives.

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

### **Software Defined Networks and OpenFlow The Internet**

OpenFlow Protocol. 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/download/Software-Defined-Networks-and-OpenFlow-The-Internet-.pdf>

### **What is OpenFlow Webopedia Definition**

OpenFlow is an open standard network protocol used to manage traffic between commercial Ethernet switches, routers and wireless access points. OpenFlow enables software-defined networking (SDN) for programmable networks and is based on an Ethernet switch, with an internal flow-table and a standardized interface to add and remove flow entries.

<http://ebookslibrary.club/download/What-is-OpenFlow--Webopedia-Definition.pdf>

### **What is an OpenFlow Controller SDxCentral**

An OpenFlow Controller is a type of SDN Controller that uses the OpenFlow Protocol. An SDN Controller is the strategic point in software-defined network (SDN).

<http://ebookslibrary.club/download/What-is-an-OpenFlow-Controller--SDxCentral.pdf>

### **OpenFlow Switch Specification Open Networking Foundation**

OpenFlow Switch Specification Version 1.4.0 (Wire Protocol 0x05) October 14, 2013 ONF TS-012

<http://ebookslibrary.club/download/OpenFlow-Switch-Specification-Open-Networking-Foundation.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/download/OpenFlow-The-Wireshark-Wiki.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/download/FAQ--What-is-OpenFlow-and-why-is-it-needed--Network-World.pdf>

### **OpenFlow Switch Specification**

and the OpenFlow protocol to manage an OpenFlow switch from a remote controller. Controller Flow Table Flow Table OpenFlow Channel Pipeline OpenFlow Switch OpenFlow Protocol Group Table Figure~1: Main components of an OpenFlow switch. 2 Switch Components An OpenFlow Switch consists of one or more ow tables and a group table, which perform packet

<http://ebookslibrary.club/download/OpenFlow-Switch-Specification.pdf>

### **The basics of SDN and the OpenFlow Network Architecture**

The OpenFlow protocol defines the interface between an OpenFlow Controller and an OpenFlow switch, see Figure 1 below. The OpenFlow protocol allows the OpenFlow Controller to instruct the OpenFlow switch on how to handle incoming data packets.

<http://ebookslibrary.club/download/The-basics-of-SDN-and-the-OpenFlow-Network-Architecture--.pdf>

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