Abstract

Software defined networking (SDN) is a combination of connection-oriented technologies and routing overlay technology presenting a new open and programmable network. Decoupling control and data plane from network devices and bringing the control plane into logically centralized SDN controller which can then act as a network operating system. This paper presents an OpenFlow controller – Floodlight Controller. The Floodlight Controller realizes a set of common functionalities to control and query an OpenFlow network, while applications on top of it realize different features to solve different user needs over the network. Floodlight consists of controller modules that implement core network services a software-defined network would
Software Defined Networking with Floodlight Controller

expose to applications, and application modules that implement solutions for different purposes.

References

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tutorials.

**Index Terms**

Computer Science  
Networks

**Keywords**

Software Defined Network  
Floodlight Controller