

# **Security Issues in Software Defined Networks**

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# Software Defined Networks

**Software-defined networking technology is an approach to network management that enables dynamic, programmatically efficient network configuration in order to improve network performance and monitoring.**

# Motivation

**Software Defined Networks is an emerging technology based on the OpenFlow standard.**

**The implemented security protocols are of higher level which might be in-efficient to secure the control and data planes.**

**Over large networks, performance issues lags might result into information leakage.**

# Path to Study

**I wish to study the existing uncovered issues and the vulnerabilities that caused the issues.**

**Having a background of software defined networks with the paper I have presented would help me further explore OpenFlow.**

**Project Floodlight is an open source SDN application - studying the project floodlight and uncovering any possible vulnerabilities would be my goal.**

# Evaluation

**Identification of a possible vulnerability in the project Floodlight.**

**Analyzing the impacts and possible threats to the network.**

**Proposing a solution to the issue.**