



# NSE 6 Network Security Specialist

## NSE 6 Certification

The Network Security Specialist designation recognizes your comprehensive skills and ability to work with the Fortinet Security Fabric products that go beyond the firewall. Visit the [Fortinet NSE Certification Program](#) page for information about certification requirements.

## Fortinet NSE 6—FortiSwitch 6.4

The **Fortinet NSE 6—FortiSwitch 6.4** exam is part of the NSE 6 Network Security Specialist program, and recognizes the successful candidate's knowledge of and expertise with FortiSwitch devices.

The exam tests applied knowledge of the FortiSwitch management mode, provisioning over the FortiLink protocol, configuration, operation, and day-to-day administration, and includes supported deployment topologies, operational scenarios, configuration extracts, and troubleshooting captures. This exam also tests knowledge of FortiSwitch deployed in standalone mode.

## Audience

The **Fortinet NSE 6—FortiSwitch 6.4** exam is intended for network and security professionals responsible for the deployment, configuration, and management of FortiSwitch devices in a network security infrastructure.

## Exam Details

Exam name	Fortinet NSE 6—FortiSwitch 6.4
Exam series	NSE6_FSW-6.4

Time allowed	60 minutes
Exam questions	32 multiple-choice questions
Scoring	Pass or fail, a score report is available from your Pearson VUE account
Language	English
Product version	FortiSwitchOS 6.4, FortiOS 6.4

## Exam Topics

Successful candidates have applied knowledge and skills in the following areas and tasks:

- FortiSwitch essentials and fundamentals
  - Deploying VLANs using FortiSwitch
  - Use IGMP QoS and LLDP-MED on FortiSwitch
  - Configure the ports required for stack deployment
  - Implement switching and routing on available FortiSwitch devices
- Network planning and design
  - Deploy FortiSwitch supported deployment topologies
  - Select a suitable FortiSwitch model
  - Deploy and configure FortiSwitch in a multi-tenancy environment
  - Differentiate available FortiSwitch management operation modes
  - Configure STP to prevent network loops
  - Configure switch ports, split port, and available transceivers
- FortiSwitch management and provisioning
  - Manage FortiSwitch over FortiLink
  - Deploy and provision FortiSwitch
  - Use FortiCloud to manage FortiSwitch
  - Deploy and manage FortiSwitch in standalone mode
  - Configure SVI and dynamic routing on FortiSwitch
- Layer 2 control and security
  - Use port security options on FortiSwitch
  - Use available filtering and antispoofing techniques on FortiSwitch
  - Use integrated and quarantine options to protect the network
  - Use ACLs, security profiles, and VLAN security mechanisms on FortiSwitch
- FortiSwitch monitoring and troubleshooting
  - Use SNMP and sFlow to monitor FortiSwitch and ports
  - Configure and use different packet sampling options
  - Configure available packet capturing methods
  - Troubleshoot FortiLink issues
  - Use available tools to view and extract network information from FortiSwitch

## Training Resources

The following resources are recommended for attaining the knowledge and skills that are covered on the exam. The recommended training is available as a foundation for exam preparation. In addition to training, candidates are strongly encouraged to have hands-on experience with the exam topics and objectives.

### NSE Training Institute Courses

- *NSE 6 FortiSwitch 6.4*

### Other Resources

- *FortiSwitch—Administration Guide 6.4*
- *FortiSwitchOS—CLI Reference 6.4*

### Experience

- Minimum of six months of hands-on experience with FortiSwitch devices deployed in a network

### Exam Sample Questions

A set of sample questions is available from the NSE Training Institute. These questions sample the exam content in question type and content scope. However, the questions do not necessarily represent all the exam content, nor are they intended to assess an individual's readiness to take the certification exam.

See the [NSE Training Institute](#) for the course that includes the sample questions.

## Examination Policies and Procedures

The NSE Training Institute recommends that candidates review exam policies and procedures before registering for the exam. Access important information on the [Program Policies](#) page, and find answers to common questions on the [FAQ](#) page.

## Questions?

If you have more questions about the NSE Program, contact your regional training team.

- Americas - [training@fortinet.com](mailto:training@fortinet.com)
- Asia, Pacific, India - [apactraining@fortinet.com](mailto:apactraining@fortinet.com)
- Europe, Middle East, Africa - [emeatraining@fortinet.com](mailto:emeatraining@fortinet.com)