



Sophos Firewall Architect

Course Overview

This course provides an in-depth study of Sophos Firewall, designed for experienced technical professionals who will be planning, installing, configuring, and supporting deployments in production environments.

Delivery

This course is available online via the Training Portal, or as an instructor-led classroom course. Please contact your CAM or CAE to find out more about the availability of classroom courses in your region.

Electronic copies of the supporting documents for the course are provided to each trainee via the training portal.

Duration

This course will take approximately **3 days (24 hours)** to complete.

Assessment

To complete this course, trainees must take and pass an online assessment.

Trainees will have **3 hours** to complete the assessment; the pass mark is **80%** and trainees will have **3 attempts** to pass.

Lab Environment

Each trainee is provided with a pre-configured environment that simulates a company network with two sites, a head office, and a branch office.

Objectives

On completion of this course, trainees will be able to:

- Deploy Sophos Firewall in complex network environments
- Explain how Sophos Firewall processes traffic and use this information to inform the configuration
- Configure advanced networking and protection features
- Protect web applications using the web server protection

Prerequisites

Prior to taking this training, trainees should:

- Have completed and passed the Sophos Firewall – Certified Engineer course
- Have completed any subsequent delta modules up to version 21.5

We recommend that you have the following knowledge and experience:

- Windows networking and the ability to troubleshoot issues
- A good understanding of IT security
- Configuring network security devices
- Configuring and administering Linux/UNIX systems

If you are uncertain whether you meet the necessary prerequisites, please email us at globaltraining@sophos.com and we will be happy to help.

Course Agenda

Module	Chapter	Duration
1. Sophos Firewall Deployment		
Chapters	<ul style="list-style-type: none"> ▪ Considerations for Deploying Sophos Firewall in common scenarios ▪ Deploying Sophos Firewall in Discover Mode 	25 minutes
Lab Tasks	<ul style="list-style-type: none"> ▪ Register for a Sophos Central evaluation ▪ Activate the Sophos Firewall 	50 minutes
2. Getting Started with Sophos Firewall		
Chapters	<ul style="list-style-type: none"> ▪ Advanced Interface Configuration on Sophos Firewall ▪ Advanced Routing and SD-WAN Configuration on Sophos Firewall ▪ Dynamic Routing on Sophos Firewall ▪ Advanced DNS and DHCP Configuration on Sophos Firewall ▪ Considerations for Configuring Device Access on Sophos Firewall 	35 minutes
Lab Tasks	<ul style="list-style-type: none"> ▪ Multiple WAN Links ▪ SD WAN Profiles ▪ Create a policy-based route for an MPLS scenario ▪ Configure Device Access ▪ Bridge Interfaces 	85 minutes
3. Base Firewall		
Chapters	<ul style="list-style-type: none"> ▪ Advanced Firewall Rule Management on Sophos Firewall ▪ Advanced NAT Configuration on Sophos Firewall ▪ Network Traffic Shaping on Sophos Firewall 	45 minutes
Lab Tasks	<ul style="list-style-type: none"> ▪ Load-Balanced NAT ▪ Local NAT Policy ▪ Install Sophos Central 	35 minutes
4. Network Protection		
Chapters	<ul style="list-style-type: none"> ▪ Advanced IPS Configuration ▪ Advanced DoS Protection ▪ Managing and Deploying Security Heartbeat on Sophos Firewall 	25 minutes
Lab Tasks	<ul style="list-style-type: none"> ▪ Create an IPS policy ▪ Advanced DoS Policy ▪ Source-based Security Heartbeat ▪ Destination-Based Security Heartbeat ▪ Missing Security Heartbeat ▪ Create a third-party threat feed 	60 minutes
5. Site-to-Site Connections		
Chapters	<ul style="list-style-type: none"> ▪ Advanced IPsec Site-to-Site VPN Configuration on Sophos Firewall ▪ Advanced Remote Ethernet Device (RED) Configuration on Sophos Firewall 	45 minutes
Lab Tasks	<ul style="list-style-type: none"> ▪ Create an IPsec site-to-site VPN ▪ Configure VPN networking NATing 	60 minutes

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	<ul style="list-style-type: none"> ▪ Configure VPN failover ▪ Enable RED on the Sophos Firewall ▪ Create a RED tunnel between two Sophos firewalls ▪ Configure routing for the RED tunnel ▪ Configure route-based VPN 	
6. Authentication		
Chapters	<ul style="list-style-type: none"> ▪ Advanced STAS Configuration 	10 minutes
Lab Tasks	<ul style="list-style-type: none"> ▪ Configure an Active Directory Authentication server ▪ Configure Single Sign-On using STAS ▪ Authenticate users over a site-to-site VPN 	35 minutes
7. Web Protection		
Chapters	<ul style="list-style-type: none"> ▪ IPv6 to IPv4 Through Explicit Proxy ▪ Managing TLS Decryption for Web Protection on Sophos Firewall 	20 minutes
Lab Tasks	<ul style="list-style-type: none"> ▪ Install the SSL CA Certificates ▪ Configure TLS Inspection Rules ▪ Configure a custom web policy for users 	25 minutes
8. Remote Access		
Chapters	<ul style="list-style-type: none"> ▪ Advanced Sophos Remote Access VPN Configuration on Sophos Firewall 	10 minutes
Lab Tasks	<ul style="list-style-type: none"> ▪ Sophos Connect ▪ Auto Provisioning 	45 minutes
9. Web Server Protection		
Chapters	<ul style="list-style-type: none"> ▪ Overview of Web Server Protection on Sophos Firewall ▪ Configuring Web Server Protection on Sophos Firewall ▪ Troubleshooting Web Server Protection Policies ▪ Configuring Web Server Authentication on Sophos Firewall 	15 minutes
Lab Tasks	<ul style="list-style-type: none"> ▪ Web Application Firewall ▪ Load balancing with Web Server Protection ▪ Web server authentication and path-specific routing 	20 minutes
10. High Availability		
Chapters	<ul style="list-style-type: none"> ▪ Overview of High Availability on Sophos Firewall ▪ Configuring High Availability on Sophos Firewall ▪ Managing High Availability on Sophos Firewall ▪ Troubleshooting High Availability on Sophos Firewall 	30 minutes
Lab Tasks	<p>High Availability</p> <ul style="list-style-type: none"> ▪ Active-passive cluster ▪ Disable High Availability <p>Troubleshooting</p> <ul style="list-style-type: none"> ▪ Debug logging ▪ Retrieving log files ▪ Troubleshoot an issue from an imported configuration 	55 minutes
11. Public Cloud		

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Chapters	<ul style="list-style-type: none">▪ Overview of Sophos Firewall on Public Cloud▪ Basic Sophos Firewall Deployment on Azure▪ Sophos Firewall Deployment Scenarios on Azure▪ Basic Sophos Firewall Deployment on AWS▪ Sophos Firewall Deployment Scenarios on AWS▪ Connecting to Amazon VPC on Sophos Firewall	25 minutes
Simulations	<ul style="list-style-type: none">▪ Deploy Sophos Firewall on Azure▪ Deploy Sophos Firewall on AWS	20 minutes
12. Course Review		
Chapters	<ul style="list-style-type: none">▪ How to find help from Sophos▪ Course review	10 minutes

Further Information

If you require any further information on this course, please contact us at globaltraining@sophos.com.

United Kingdom and Worldwide Sales
Tel: +44 (0)8447 671131
Email: sales@sophos.com

North American Sales
Toll Free: 1-866-866-2802
Email: nasales@sophos.com

Australia and New Zealand Sales
Tel: +61 2 9409 9100
Email: sales@sophos.com.au

Asia Sales
Tel: +65 62244168
Email: salesasia@sophos.com

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