Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Trend Micro Deep Security 20 Training for Certified Professionals

CODE:	LENGTH:	PRICE:
TRM_DS-20-CP	24 Hours (3 days)	£1,595.00

Description

During this three-day, instructor-led training course participants will learn how to use Trend Micro Deep Security software for advanced hybrid cloud security on physical, virtual, and cloud-based servers.
This course details the basic architecture of the on-premises Deep Security solution, deployment options, protection modules, policy configuration, and administration of the system.
As part of the course, participants will deploy Deep Security agents on a variety of Windows® Server platforms.
Best practices and troubleshooting details for successful implementation and long-term maintenance of the system are discussed.
Participants will also be introduced to the services available in Trend Micro Cloud One™ and to the XDR capabilities of Trend Micro Vision One™.
At the end of the session, participants will migrate their on-premises installation of Deep Security software to Trend Micro Cloud One™ – Workload Security.
This course is taught by Trend Micro certified trainers and incorporates a variety of hands-on lab exercises, allowing participants to put the lesson content into action.
Course Level: Professional

Objectives

After completing this training course, participants will be able to:
• Describe the purpose, features, functions, and capabilities of Deep Security 20
• Define and install components that make up Deep Security
• Implement security by enabling protection modules
• Integrate Deep Security software with Trend Micro XDR
• Transition from on-premises to software-as-a-service
• Attempt the Trend Micro Certified Professional for Deep Security Certification exam

Audience

Designed for IT professionals who are responsible for protecting users, networks, data centers, and cloud resources from data breaches and targeted attacks.
This includes those responsible for:
• Operations
• Deployment
• Security Response
• Compliance
• Support

Prerequisites

There are no prerequisites to attend this course, however, a working knowledge of Trend Micro solutions and services, as well as an understanding of basic networking concepts and principles will be helpful.
Basic knowledge of the following topics is also beneficial:
• Windows servers and clients
• Firewalls and packet inspection devices
• VMware® ESXi/vCenter/NSX
• Amazon Web Services (AWS)/Microsoft® Azure®/VMware vCloud®/Google Cloud Platform™ (GCP)
• Virtualization technologies
Participants are required to have a laptop computer with a recommended screen resolution of at least 1980 x 1080 or above, and a display size of 15" or above.

Programme

Product Overview
• Introduction to Deep Security
• Deep Security protection modules
• Deep Security deployment options
• Deep Security components
Trend Micro™ Deep Security™ Manager
• Server, operating system, and database requirements
• Deep Security Manager architecture
• Installing and upgrading Deep Security Manager
Deploying Deep Security Agents
• Deep Security agent architecture
• Deploying Deep Security agents
Managing Deep Security Agents
• Command line operations
• Resetting agents
• Protecting agents
• Viewing computer protection status
• Upgrading Deep Security agents
• Organizing computers using groups and Smart Folders
• Protecting container hosts

Keeping Deep Security Up to Date
• Security updates
• Software updates
• Deep Security relays
Trend Micro™ Smart Protection™
• Smart Protection services used by Deep Security
• Configuring the Smart Protection source
Policies
• Policy inheritance and overrides
• Creating new policies
• Running recommendation scans
Protecting Servers from Malware
• Anti-malware scanning techniques
• Enabling anti-malware protection
• Trend Micro™ Smart Scan™
Blocking Malicious Websites
• Enabling web reputation
• Setting the security level
Filtering Traffic Using the Firewall
• Enabling the Deep Security firewall
• Firewall rules
• Traffic analysis
• Traffic order of analysis
• Port scan
Protecting Servers from Vulnerabilities
• Virtual patching
• Detecting suspicious network activity
• Web application protection
• Enabling intrusion prevention
• Intrusion prevention rules
• Security Sockets Layer (SSL) filtering
• Protecting web applications

Detecting Changes to Protected Servers
• Enabling integrity monitoring
• Running recommendation scans
• Detection changes to baseline objects
Blocking Unapproved Software
• Enforcement modes
• Enabling application control
• Detecting software changes
• Creating an inventory of approved software
• Pre-approving software changes

Inspecting Logs on Protected Servers
• Enabling log inspection
• Running recommendation scans
Events and Alerts
• Event forwarding
• Alerts
• Event tagging
• Reporting
Automating Deep Security Operations
• Scheduled tasks
• Event-based tasks
• Quick start templates
• Baking the Deep Security agent into an Amazon® Machine Image
• Application programming interface
Detecting Emerging Malware Through Threat Intelligence
• Threat Intelligence phases
• Trend Micro™ Deep Discovery™ Analyzer
• Trend Micro Apex Central™
• Configuring Deep Security for Threat Intelligence
• Tracking submissions
Protecting Cloud Workloads Through Trend Micro Cloud One
• Trend Micro Cloud One Services

Integrating with Trend Micro Vision One
• Trend Micro XDR
• Trend Micro Vision One Apps
• Connecting Deep Security software to Trend Micro Vision One
• Enabling Sensors on Servers managed by Deep Security software
• Navigating within a Workbench
Migrating to Cloud One – Workload Security
• Migrating common objects, policies, cloud accounts, and agents
Appendix Topics
• Activating and managing multiple tenants
• Protecting virtual machines using the Deep Security virtual appliance
• Troubleshooting common Deep Security issues

Test and Certification

Certifications and Related Examinations:
Upon completion of this course, participants may choose to complete the certification exam to obtain designation as a Trend Micro Certified Professional for Deep Security. The exam is included in the price of the course.

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.