Securing Your Journey to the Cloud

Trend Micro

DEEP SECURITY 20 TRAINING FOR CERTIFIED PROFESSIONALS

In this course, participants will learn how to use Trend Micro Deep Security 20 for advanced hybrid cloud security on physical, virtual, and cloud-based servers. This course details the basic architecture of the Deep Security solution, deployment options, protection modules, policy configuration, and administration of the system. As part of the course, participants will install Deep Security Manager in a virtual lab environment, deploy Deep Security Agents on a variety of Windows® server platforms, as well as the Deep Security Virtual Appliance, and configure protection. Best practices and troubleshooting details for successful implementation and long-term maintenance of the system are also discussed.

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.**

PREREQUISITES:

There are no prerequisites to attend this course, however, a working knowledge of Trend Micro products and services, as well as an understanding of basic networking concepts and principles will be helpful.

COURSE OBJECTIVES:

The course topics in this training are divided into the following lessons:

- Describe the purpose, features, functions, and capabilities of Trend Micro Deep Security 20
- Define and install components that make up Deep Security
- Implement security by enabling protection modules
- Review available configuration and administration options
- Attempt the Trend Micro Certified Professional for Deep Security Certification Exam

WHY CHOOSE VERACOMP EDUCATION

- Hands-on instruction and best practice advice from our experienced trainers
- With Trend Micro product certifications, you have the skills to deploy and manage their leading security solutions
- By sharpening your skills, you are more able to detect and respond to the latest attacks

Target Audience:

This course is 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 involved with:

- Operations
- Deployment
- Security Response
- Compliance
- Support

Available courses from Trend Micro's official curriculum:

- Trend Micro Certified Professional for Apex One
- Trend Micro Certified Professional for Deep Security
- Trend Micro Certified Professional for Deep Discovery

Training

Price: 950 EUR

* 3 days course, materials and certification included

Need customized course?

No problem! We can deliver course according to your preferred topic, course location or length.

TREND MICRO™ Securing Your Journey to the Cloud

veracomp we inspire IT

DETAILED COURSE OUTLINE:

Topics covered:

Product Overview
- Introduction to Deep Security
- Deep Security protection modules and deployment options
- Deep Security components

Deep Security Manager
- Server, operating system, and database requirements
- Deep Security Manager architecture
- Installing and upgrading Deep Security Manager

Deep Security Agent
- Deep Security Agent architecture
- Deploying Deep Security Agents
- Upgrading Deep Security Agents
- Viewing computer protection status
- Organizing computers using groups and smart folders

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

Protecting Servers from Malware
- Enabling anti-malware protection
- Anti-malware scanning techniques
- Smart scan

Blocking Malicious Web Sites
- Enabling web reputation
- Setting the security level

Filtering Traffic Using Firewall Rules
- Enabling the Deep Security firewall
- Firewall rules
- Traffic analysis
- Traffic order of analysis
- Port scan

Protecting Servers from Vulnerabilities
- Virtual patching
- Protocol hygiene
- Protocol control
- Web application protection
- Enabling intrusion prevention
- Running recommendation scans
- 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

Protecting Containers
- Continuous integration /continuous deployment
- Software development using containers
- Protecting containers with Deep Security

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

Activating and Managing Multiple Tenants
- Segmentation using multi-tenancy
- Enabling multi-tenancy
- Creating and managing tenants
- Activating Deep Security Agents on tenants
- Usage monitoring

Detecting Emerging Malware Through Connected Threat Defense
- Connected Threat Defense phases
- Trend Micro™ Deep Discovery™ Analyzer
- Trend Micro Apex Central™
- Configuring Deep Security for Connected Threat Defense
- Tracking submission

Protecting Virtual Machines using the Deep Security Virtual Appliance
- Deep Security Virtual Appliance

- Virtual Appliance deployment models
- Virtual appliance deployment and activation