Authorized Training Center

# Trend Cloud One™ – Endpoint & Workload Security Training For Certified Professionals

## Course Description

Trend Cloud One™ – Endpoint & Workload Security Training for Certified Professionals is a three-day, instructor-led training course. Participants will learn how to use Trend Cloud One – Endpoint & Workload Security for advanced hybrid cloud security on physical and virtual client computers and physical, virtual, and cloud-based servers. This course details the deployment of agents and protection modules, policy configuration, and administration of the service. As part of the course, participants will deploy agents on a variety of Windows® platforms. Participants will also be introduced to the other services available in Trend Cloud One™ and to the capabilities of Trend Vision One™.
Participants will also learn how to migrate an on-premises installation of Trend Micro™ Deep Security™ Software to Trend Cloud One – Endpoint & 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.

| Key Information | |
|---|---|
| Course Title: | Trend Cloud One™ – Endpoint & Workload Security Training for Certified Professionals |
| Product ID: | TRNN1040 or TRNM0003 |
| Course Length: | Three days |
| Level: | Professional |
| Delivery Language: | English |

## 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 Trend Cloud One – Endpoint & Workload Security.

## Target audience

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

## Course 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
- Amazon Web Services (AWS)/Microsoft® Azure®/VMware vCloud®/Google Cloud Platform™ (GCP)
- Virtualization technologies

Participants are required to bring a laptop computer with a recommended screen resolution of at least 1980 x 1080 or above and a display size of 15" or above.

## Course Objectives

After completing this training course, participants will be able to:

- Describe the purpose, features, functions, and capabilities of Trend Cloud One – Endpoint & Workload Security
- Define the components that make up Trend Cloud One – Endpoint & Workload Security
- Implement security by enabling protection modules
- Integrate Trend Cloud One – Endpoint & Workload Security with Trend Vision One
- Transition from Deep Security Software to Trend Cloud One – Endpoint & Workload Security
- Attempt the Trend Micro Certified Professional for Trend Cloud One – Endpoint & Workload Security Certification exam.

## Detailed Course Outline:

Topics covered:

### Product Overview

- Introduction to Trend Cloud One – Endpoint & Workload Security
- Protection modules
- Trend Cloud One – Endpoint & Workload Security components

### Deploying Agents

- Deploying agents
- Adding cloud accounts

### Managing Agents

- Command line operations
- Resetting agents
- Protecting agents

- Viewing computer protection status
- Upgrading agents
- Organizing computers using groups and Smart Folders
- Protecting container hosts

### Keeping Agents Up to Date

- Security updates
- Software updates
- Relays

### Trend Micro™ Smart Protection™

- Smart Protection services used by Trend Cloud One – Endpoint & Workload Security

- Configuring the Smart Protection source

## Policies

- Policy structure
- 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 protection
- Setting the security level
- Overriding web reputation blocking

## Filtering Traffic Using the Firewall

- Enabling firewall protection
- Firewall rules
- Traffic analysis

## Protecting Servers from Vulnerabilities

- Blocking exploits using intrusion prevention
- Enabling intrusion prevention protection
- Intrusion prevention rules
- Security Sockets Layer (SSL) filtering

## Detecting Changes to Protected Servers

- Enabling integrity monitoring protection
- Detection changes to baseline objects

## Blocking Unapproved Software

- Enforcement modes
- Enabling application control protection

- Detecting software changes
- Creating an inventory of approved software
- Pre-approving software changes

## Controlling Access to External Storage Devices

- Enforcement settings
- Enabling device control protection

## Inspecting Logs on Protected Servers

- Enabling log inspection protection
- Events and Alerts
- Event forwarding
- Alerts
- Event tagging
- Reporting

## Automating Operations

- Scheduled tasks
- Event-based tasks
- Baking the agent into an Amazon® Machine Image
- Application programming interface

## Protecting Cloud Workloads with Trend Cloud One

- Trend Cloud One Services

## Integrating with Trend Vision One

- Trend Vision One
- Connecting to Trend Vision One
- Enabling activity monitoring
- Detection models and Workbenches

## Migrating to Trend Cloud One – Endpoint & Workload Security

- Migrating common objects, policies, cloud accounts, and agents