Training: Symantec

ProxySG 6.6 Advanced Administration

Symantec. Authorized Training Partner

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Digital materials	2000 USD	2 days
Traditional	CTAB Tablet	2130 USD	2 days
Distance learning	Digital materials	2000 USD	2 days
Distance learning	CTAB Tablet	2000 USD	2 days

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm
Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRANING TERMS

2019-10-07 | 2 days | Warszawa

TRAINING GOALS:

The **ProxySG v6.6 Advanced Administration** course is intended for IT professionals who wish to learn to master the advanced features of **ProxySG**.

Course Objectives

By the completion of this course, you will be able to:

- Solve common authentication and SSL issues
- Understand the underlying architecture of SGOS
- Monitor and analyze ProxySG performance
- Use policy tracing as a troubleshooting tool

Who Should Attend:

This course is for IT network or security professionals who have practical experience with the ProxySG in the field and wish to master the advanced network security of ProxySG.

CONSPECT:

This course includes practical hands-on exercises that enable you to test your new skills and begin to use those skills in a working environment.

Compendium Education Center Ltd.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Bielska 17, 02-394 Warszawa, tel.: (22) 417 41 70

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- Using Authentication Realms
  - Describe the benefits of enabling authentication on the ProxySG
  - Describe, at a high level, the ProxySG authentication architecture
  - Understand the use of IWA realms, with both IWA Direct and IWA BCAAA connection methods
- Understanding Authentication Credentials
  - Describe how NTLM and Kerberos authentication work in both IWA direct and IWA BCAAA deployments
  - Configure the ProxySG to use Kerberos authentication
- Understanding Authentication Modes
  - Describe authentication surrogates and authentication modes
  - Describe ProxySG authentication in both explicit and transparent deployment mode
- Understanding HTTPS
  - Describe key components of SSL encryption
  - Describe how the SSL handshake works
  - Describe some of the legal and security considerations related to use of the SSL proxy
- Managing SSL Traffic on the ProxySG
  - Describe how the SSL proxy service handles SSL traffic
  - Describe the standard keyrings that are installed by default on the ProxySG
  - Identify the types of security certificates that the ProxySG uses
- Optimizing SSL Interception Performance
  - Configure the ProxySG to process SSL traffic according to best practices for performance
- SGOS Architecture
  - Identify key components of SGOS
  - Explain the interaction among client workers and software workers in processing client requests
  - Explain the significance of policy checkpoints
  - Describe key characteristics of the SGOS storage subsystem
  - Explain the caching behavior of the ProxySG
- Caching Architecture
  - Describe the benefits of object caching on the ProxySG
  - Explain the caching-related steps in a ProxySG transaction
  - Identify and describe the HTTP request and response headers related to caching
  - Describe, in general terms, how the ProxySG validates cached objects to ensure freshness
  - Explain how the ProxySG uses cost-based deletion, popularity contests, and pipelining to improve object caching
- System Diagnostics

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- Describe the use of the health monitor and health checks
- Explain the use of the event and access logs
- Describe the information available in advanced URLs and sysinfo files
- Describe the function of policy tracing and packet captures

- Introduction to Content Policy Language (CPL)
  - Describe the fundamental concepts and purposes of ProxySG policy transactions
  - Understand the relationship of layers, rules, conditions, properties, and triggers
  - Describe the two types of actions in CPL
  - Describe how to write, edit, and upload CPL code
- Using Policy Tracing for Troubleshooting
  - Identify the two main types of ProxySG policy traces
  - Describe the various sections of a policy trace result
  - Configure a global and policy-driven trace
  - Access and interpret policy trace results
- ProxySG Integration
  - Identify other Symantec products that can be used as part of a complete security solution

REQUIREMENTS:

You must have working knowledge of **ProxySG Administration** and should possess advanced knowledge of networking, security, and authentication.

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Symantec. (course completion)

TRAINER:

Authorized Symantec Trainer.

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