



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Symantec (Blue Coat) ProxySG 6.7 Advanced Administration

CODE:	LENGTH:	PRICE:
SYM_BCCPP	16 Hours (2 dage)	kr 11,500.00

## Description

The 2-day ProxySG v6.6 Advanced Administration course is intended for IT professionals who wish to learn to master the advanced features of ProxySG.

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.

## Objectives

- Solve common authentication and SSL issues
- Understand the underlying architecture of SGOS
- Monitor and analyze ProxySG performance

By the completion of this course, you will be able to: • Use policy tracing as a troubleshooting tool

## Audience

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.

## Programme

### Module 1: 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 BCAA connection methods

### Module 2: Understanding Authentication Credentials

- Describe how NTLM and Kerberos authentication work in both IWA direct and IWA BCAA deployments
- Configure the ProxySG to use Kerberos authentication

### Module 3: Understanding Authentication Modes

- Describe authentication surrogates and authentication modes
- Describe ProxySG authentication in both explicit and transparent deployment mode

### Module 4: 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
  - Describe how the SSL proxy service handles SSL traffic
  - Describe the standard keyrings that are installed by default on the ProxySG

### Module 5: Managing SSL Traffic on the ProxySG • Identify the types of security certificates that the ProxySG uses

### Module 6: Optimizing SSL Interception Performance

- Configure the ProxySG to process SSL traffic according to best practices for performance
- Identify key components of SGOS

### Module 7: SGOS Architecture

- 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

### Module 8: Caching Architecture

- Explain the caching behavior of the ProxySG
- 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

- 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

Module 9: System Diagnostics • Describe the function of policy tracing and packet captures

Module 10: 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
  - 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

Module 11: Using Policy Tracing for Troubleshooting • Access and interpret policy trace results

Module 12: ProxySG Integration • Identify other Symantec products that can be used as part of a complete security solution

## Session Dates

På anmodning. [Kontakt os venligst](#)

## Yderligere Information

[Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.](#)