

Symantec ProxySG v6.7: Advanced Administration

Duration: 2 Days Course Code: 00032267 Version: 6.7

Overview:

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

Target 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.

Objectives:

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

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

Content:

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 BCAAA connection methods

Module 2: 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

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

Module 5: 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

Module 6: Optimizing SSL Interception Performance

- Configure the ProxySG to process SSL traffic according to best practices for performance

Module 7: 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

Module 8: 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

Module 9: System Diagnostics

- 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

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

Module 11: 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

Module 12: ProxySG Integration

- Identify other Symantec products that can be used as part of a complete security solution

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

training@globalknowledge.com.eg

www.globalknowledge.com/en-eg/

Global Knowledge, 16 Moustafa Refaat St. Block 1137, Sheraton Buildings, Heliopolis, Cairo