Guardian
Description and Operation

Training Course

SOLIDserver software version:
8.3

Course type:
Instructor-led (on-site, virtual)

Duration:
18 hours, 3 days for on-site class

Audience:
System and network administrators

Prerequisites:
Completion of SOLIDserver
Administration training that include DNS
management

Teaching Methodology:
Lectures and hands-on labs

Certification:
DNS Guardian Administrator

Training Summary

Overview:

Via the hands-on training, the participants will acquire the knowledge to configure and use the DNS Guardian capabilities.

Objectives:

By the end of the course, the students will be able to:

- Describe and configure the DNS Guardian
- Configure the Client Query Filtering (CQF) feature
- Use the DNS Guardian capabilities to detect an attack and protect the recursive DNS
- Analyze and thwart attack scenarios using DNS Guardian

Course Content

Module 1: DNS Guardian Description

• DNS Guardian Description

• Guardian Rollout Scenarios

• DNS Blast Series Description

Module 2: DNS Guardian Configuration

• Guardian Setup & Initial Configuration

• DNS Guardian Configuration

Module 3: Cache Management and Client Query Filtering

• Managing the Cache

• Client Query Filtering (CQF) Description

• Filtering Queries Using CQF

• Using the Tags in Lists

• Logging

Module 3: Adaptive Security In Motion

• Adaptive Security Features Overview

• DNS Guardian: DETECT

• DNS Guardian: PROTECT

• DNS Guardian: REMEDIATE

• Trigger Logging

Module 4: Use Cases Analysis

• DNS Tunneling

• Data Exfiltration

• DNS Server

• Configuring the Dashboard

Module 5: Other Guardian Features

• Guardian on an Authoritative Server

• Guardian with an ECS-Enabled Recursive Server

• Securing DNS Traffic with DoT and DoH

• Transparent DNS Proxy Feature

• Configuring DNS Cascading

• TOS/DSCP Marking

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As one of the world's fastest growing DDI vendors, EfficientIP helps organizations drive business efficiency through agile, secure and reliable network infrastructures. Our unified management framework for DNS-DHCP-IPAM (DDI) and network configurations ensures end-to-end visibility, consistency control and advanced automation. Additionally, our unique 360° DNS security solution protects data confidentiality and application access from anywhere at any time. Companies rely on us to help control the risks and reduce the complexity of challenges they face with modern key IT initiatives such as cloud applications, virtualization, and mobility. Institutions across a variety of industries and government sectors worldwide rely on our offerings to assure business continuity, reduce operating costs and increase the management efficiency of their network and security teams.

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