

Guardian Description and Operation

Training Course



SOLIDserver software version:
8.1

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

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

Audience:
System and network administrators

Prerequisites:
Attendance to the "DNS Administration"
or "DDI Administration" course

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 and Configuration

- DNS Guardian description
- DNS Blast Series Description
- Guardian-enabled appliance Installation

Module 2: Cache Management and Client Query Filtering

- Managing the Cache
- Client Query Filtering (CQF) Description
- Filtering the Queries Using CQF
- Using the Tags in the Lists
- Logging

Module 3: Adaptive Security In Motion

- Adaptive Security features overview
- DNS Guardian: DETECT
- DNS Guardian: PROTECT
- DNS Guardian: REMEDIATE
- Logging
- Going Further

Module 4: Use Cases Analysis

- DNS Tunneling
- Data Exfiltration
- Denial of Service Attacks
- Best Practices
- SERVFAIL Diff Feature

Module 5: Going Further

- Miscellaneous Features
- Integration with Cisco Umbrella



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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