

# DNS Guardian Description and Operation

## Course



### 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:

- Configure the DNS Guardian
- Use the DNS Guardian capabilities to detect an attack and protect the DNS
- Analyse some scenarios of Attack

- **SOLIDserver software version:** 8.0
- **Course type:** Instructor-led (on site, remote)
- **Duration:** 2 days for on site class, 12 hours to 14 hours (depending on the chapters covered)
- **Audience:** System and network administrators
- **Prerequisites:** attendance to the course «DNS Administrator» or «DDI+ NetChange Configuration» or «DDI Standard Customer»
- **Teaching Methodology:** lectures and laboratory sessions
- **Certification:** no

## COURSE CONTENT

### Module 1: DNS Guardian Description

- DNS Guardian description
- DNS Blast Series Description
- Guardian-enabled appliance installation [📄](#)
- Managing the Cache [📄](#)
- Filtering the queries via the lists of domains [📄](#)
- Identifying the clients
- Filtering the queries via the lists of clients [📄](#)
- Logging [📄](#)
- Miscellaneous features

### Module 2: Adaptive Security in Motion

- Adaptive Security features overview
- DNS Guardian: DETECT [📄](#)
- DNS Guardian: PROTECT [📄](#)
- DNS Guardian: REMEDIATE [📄](#)
- Logging [📄](#)
- Going further
- Integration with Cisco Umbrella

### Module 3: Use Cases Analysis

- DNS Tunneling [📄](#)
- Data Exfiltration [📄](#)
- Denial of Service attacks [📄](#)
- Best Practices
- SERVFAIL Diff feature [📄](#)

[📄](#) Laboratory session



REV: C-211130

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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