ISOC Chapters collaboration (Sudan & Lebanon) : DNS/DNSSEC Workshop

The Internet Society (ISOC) Chapters of Sudan and Lebanon have joined forces to strengthen regional expertise in DNS and DNSSEC technologies. This collaboration aims to foster knowledge exchange, build technical capacity, and promote best practices in secure domain name system management.

The DNS/DNSSEC Workshop serves as a platform for participants to learn from experienced trainers and peers, enhancing their skills in DNS operations, DNSSEC implementation, and overall internet security. By working together, the Sudanese and Lebanese ISOC Chapters are creating opportunities for technical advancement and regional cooperation, contributing to a safer and more resilient internet.

Workshop Level

Intermediate Level.
Anyone working with DNS in their corporate or carrier infrastructure will find this class worthwhile.
IT technicians, Systems administrators,..

Instructor

- Mohamed Alnour Hafez

Date & Time

- Date: 17-20 December 2024
- Time: 5:00pm Beirut time

Workshop Modules

Module 1: Introduction to DNS
Gain a solid foundation in how the Domain Name System works, including its critical role in the internet infrastructure. This module also includes practical exercises using tools like dig and drill for testing and troubleshooting DNS configurations, ensuring participants thoroughly understand DNS operations.

Module 2: DNSSEC

Understand the importance of DNS Security Extensions (DNSSEC) in ensuring the authenticity and integrity of DNS responses, protecting against attacks like DNS spoofing. This module will cover all aspects of DNSSEC, from key management to signing zones, and will include testing using tools like dig to verify DNSSEC implementation.

Module 3: Hands-on Deployment of DNSSEC
Participants will deploy DNSSEC using a real domain on provided Virtual Private Servers (VPS). This practical exercise will ensure a deep understanding of DNSSEC implementation and validation processes.

Requirements

Participants are required to meet the following:
- Stable Internet Connection
- SSH Client (PuTTY for Windows, macOS/Linux: Built-in terminal)
- Background in Linux: command line, Managing files and directories, permissions and processes, vim & nano, installing packages

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Revision #5
Created 2024-11-28 13:02:44 UTC by sara
Updated 2025-09-10 11:25:23 UTC by sara