

# Domain Name System Management & Security

**Course Duration: 2 days practical sessions**

## **Target Audience**

- To equip technical staff such as system administrators to administer their companies domain name service securely and
- IT professionals desiring to upgrade their technical skills in DNS

## **Prerequisite**

- IT professionals interested in DNS with basic knowledge of Internet workings.

## **Course Content**

### **Day 1**

#### **Berkeley Internet Name Domain (BIND)**

- Basic BIND components
- BIND configuration
- named.conf
- Classification of Zone Types
- Resource Records (RR)
- Different Types of Records
- Configuration file directives

#### **DNS Tools and Tasks**

- DNS tools for setup and debugging
- Common DNS problems
- Handling errors
- Changing DNS hosting provider
- Types of DNS tuning options

#### **DNS Security**

- Types and nature of threats
- Handling security advisories
- Securing DNS server
- DNS and Firewalls

### **Day 2**

#### **Advanced Features**

- IPv6 records
- Dynamic updates
- DHCPD and dynamic updates
- DNSSEC
- Secured Dynamic updates with DNSSEC

## **Certification**

A certificate of attendance will be issued to candidates that attend at least 80% of the class and pass the practical module at the end of the training