

**Course Overview**

LLC409 is a rapid track course on DNS server administration covering Master, Slave DNS Server, Sub Domain Delegation, Split DNS Server, RND, TSIG, DNS Security & Dynamic DNS. This course is essential to every network administrator who works in an enterprise environment. Given the fact that topics under discussion are very extensive in nature, the scope of this course is limited to what can be delivered in two days, to cover the course outline effectively to the understanding of the average audience.

**Pre-Requisites**

Participants must have a good knowledge of Linux administration and networking related concepts. LLC103 / RH253 is recommended as pre-requisite

**Target Audience:**

The Network Administrators who need to provide enterprise-wide name resolution system or who desire training in the management of DNS services. The Network Administrators who want to setup DNS heirarchy and redundant DNS server.

**Course Outline**

DNS Terminology

- DNS Server Roles
- Primary and Slave DNS Servers
- Caching Name Servers
- DNS Forwarders
- Root DNS Servers
- Subdomain Delegation
- DNS Query Types

Bind Configuration

- Master DNS Server
- Resource Records
- Forward Lookup Database
- Reverse Lookup Database
- Mail Server Support

Slave Server Configuration

- Replication Parameters
- Master/ Slave Replication
- IP Based Security
- TSIG Security

Subdomain Configuration

- Subdomain Delegation
- Recursive Queries
- Iterative Queries
- DNS Forwarders
- ACL with Subdomains

DNS Server Logging

- Channeling and Logging
- Log Categories
- IXFR/AXFR Logs
- Logging DNS Queries

Split DNS Configuration

- Split DNS Topology
- DNS Views
- Views and ACLs
- Match-Clients

DNS Server Security

- Restricting Queries
- Restricting Replication
- Access Control Lists
- DNS Chrooting

Remote Name Daemon Controller

- RND Configuration
- RND Key Generation
- Configuring Controls
- RND Clients

Dynamic DNS Configuration

- DNS Server for Dynamic Update
- DHCP Server for Dynamic Update
- Shared Key Generation
- DDNS Client Configuration

**Course Duration:** Two Days: 10 am - 5.30 pm

**Course Fee Rs. 9,600/-**

*(Plus Service Tax as applicable)*