



# Linux Based Servers Setup and Configuration

## Course Contents

### Mail Server:

- Describe what is mailserver elements of mail server
- Installing new OS configuration.
- Installing postfix, dovecot, squirrelmail
- Installing and configuring Zimbra mail server

### DNS Server:

- DNS server installation and configuration

### Proxy Server :

- Squid installation and configuration
- Squint Reporting

### DHCP server:

- DHCP server installation and configuration

### YUM server :

- Configuring Local Yum server.

### Samba/File server:

- Installing and configuring Samba/file server

### FTP server:

- FTP server installation and configuration

### NAS server:

- NAS server installation and configuration

### SAN(iscsi) server:

- SAN server installation and configuration

### Database server:

- MySQL/Mariadb server installation and configuration, backup, restore, etc.

### Web server:

- Configure Apache HTTPD to provide Transport Layer Security (TLS)-enabled websites and virtual hosts.

### Bash Scripting:

- Write simple shell scripts using bash
- Use bash conditionals and other control structures to write more sophisticated shell commands and scripts.



**Firewall :**

- Permit and reject access to network services using firewall filtering techniques.

**Monitoring System:**

- Nagios server installation and configuration
- Cacti server installation and configuration

**Routing:**

- Linux Static routing
- Linux Dynamic routing