

## WINDOWS SERVER ADMINISTRATION- 3 weeks

### Overview of Networking Basic Concepts

- Network Requirement
- Addressing Techniques
- Address ranges
- Addressing & Subnetting

### Windows 2008 Administration

- Microsoft Windows Operating System Family
- Windows 2008 New Features
- Windows 2008 User Interface
- Installation of Windows 2008 Server & its services

### Domain name Server (DNS)

- Installing DNS
- Configuring DNS
- Maintaining and troubleshooting DNS
- Configuring Advanced DNS Server parameters
- Configuring DHCP to Support DNS

### Active Directory Services

- Introduction to Active Directory Services (ADS)
- Active Directory Logical Structure
- Active Directory Physical Structure
- Methods for Administering a Windows 2008 Network
- Introduction to Creating a Windows 2008 Domain

### Active Directory Services

- Installing Active Directory
- The Active Directory Installing Process
- Examining the Default Structure of Active Directory
- Performing Post Active Directory Installation Task
- Troubleshooting the Installing of Active Directory
- Removing Active Directory

### User management

- Understanding User Accounts and Groups
- Assigning Rights on User & Group
- Authentication, Authorization, and Auditing
- Troubleshooting Domain User Accounts and Groups

### User management

- Managing user profiles
- Setting up disk Quotas
- Group Policies management

### Configuring Access to File Services

- Managing NTFS File and Folder Permissions
- Managing Permissions for Shared Resources
- Determining Effective Permissions

## **DHCP**

- Networking with TCP/IP
- TCP/IP into the windows Model
- IP Addressing
- Understanding DHCP
- DHCP Communication
- Name Registration and Resolution

## **Windows Deployment Services**

- Introduction of WDS
- Installing of WDS
- Configuring WDS
- Deploying a Computer Image

## **Security Policies and Management**

- Security Concepts
- Planning For Security
- Security Standards
- Data protection with VPNs
- Windows File protection

## **Microsoft Internet Information Server**

- Introduction To IIS
- HTTP vs.HTML
- Directory structures
- Authentication
- Administration to IIS

## **Server Management Tools**

- Event Viewer
- Remote Management
- EFS (Encrypted File System)
- MMC (Microsoft Management Console)

## **Windows Backup & Recovery**

- Introducing Windows Backup & Recovery Environment
- Using Volume Shadow Copy
- Using Task Scheduling

## **Understanding Windows Registry**

- Importing & Exporting Registry
- Changing User & Computer Configuration
- Changing Device Options & Settings