



WINDOWS SERVER ADMINISTRATION

ACTIVE DIRECTORY . GROUP POLICY
DNS . DHCP . FILE SERVICES
HYPER-V . BACKUP . POWERSHELL

DURATION

50 Hours

LEVEL

**Beginner to
Intermediate**

MODULES

8

MODE

**Classroom ·
Online · Hybrid**

01 COURSE OVERVIEW

A Windows Server course covering Active Directory, core network services and PowerShell administration. The course builds a domain from scratch: forest and domain design, organisational units, users and groups, Group Policy, DNS, DHCP, file and print services, certificate basics, Hyper-V virtualisation and backup.

Learners administer the domain entirely from PowerShell in the final module.

WHO IT IS FOR

IT support and desktop engineers

System administrators

Infrastructure staff in Microsoft environments

Candidates preparing for Microsoft server exams

PREREQUISITES

Windows client administration and basic networking.

02 LEARNING OUTCOMES

01 Install and configure Windows Server roles.

03 Author and troubleshoot Group Policy.

05 Manage shares, permissions and DFS.

07 Back up and restore servers and data.

02 Design and manage Active Directory objects.

04 Run DNS, DHCP and file services reliably.

06 Virtualise workloads with Hyper-V.

08 Administer and automate with PowerShell.

01 SERVER FOUNDATIONS

Editions and licensing

Server Manager

Remote management

Installation

Roles and features

Updates

02 ACTIVE DIRECTORY

Forests, domains, trees

OUs

Sites and replication

Domain controllers

Users, groups and computers

FSMO roles

LAB

DOMAIN BUILD

03 GROUP POLICY

GPO structure

Security filtering

Logon scripts

Scoping and inheritance

Preferences

Troubleshooting with RSOP

LAB

POLICY SET

04 DNS AND DHCP

Zones and records

Dynamic updates

Failover

Forwarders

DHCP scopes and reservations

IPAM overview

LAB

SERVICES CONFIGURATION

05 FILE AND PRINT SERVICES

NTFS and share permissions

Quotas

Print server setup

DFS namespaces and replication

Shadow copies

LAB

FILE SERVICES

06 SECURITY

Certificate services basics

Windows Defender

Auditing

BitLocker

Local security policy

Privileged access

07 VIRTUALISATION

Hyper-V roles

Checkpoints

Failover clustering overview

Virtual switches

Live migration concepts

LAB

HYPER-V VMS

08 POWERSHELL AND BACKUP

Cmdlets and pipeline

Remoting

Windows Server Backup

Scripting

AD administration

Restore testing

PROJECT

DOMAIN WITH AUTOMATION AND BACKUP

04 ASSESSMENT & CERTIFICATION

Module assignments and labs

25%

Mini projects

20%

Internal assessments

15%

Final project and review

40%

CERTIFICATION

Learners who complete all modules, submit the final project and clear the review receive a course completion certificate from Kaizen Infinities Private Limited. Project work is documented for the learner's portfolio, and interview preparation is included in the closing sessions.

05 CAREER OUTCOMES

ROLES THIS PROGRAMME PREPARES FOR

WINDOWS SYSTEM ADMINISTRATOR

IT INFRASTRUCTURE ENGINEER

DESKTOP SUPPORT LEAD

SYSTEMS ENGINEER

IT OPERATIONS ANALYST

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