

Microsoft Cloud for Windows Server Administrators

This Windows server administration training is designed for IT professionals transitioning from on-premises environments into cloud and hybrid infrastructure. The course covers Azure fundamentals, key differences between Active Directory and Entra ID, and integration strategies for hybrid setups. You will also gain hands-on experience with device identity, Intune management, Conditional Access policies, Azure Arc for off-premises resource governance, and Microsoft 365 global administration tasks.

[CBT Nuggets course material](#) →



WEEK 1

Understanding Local vs Cloud Solutions

On-Prem vs Cloud
Consider Capex vs Opex
Shifting to Colocation and Cloud
Microsoft Global Datacenters
Inside a Microsoft Datacenter
Validation

Understand Azure and Its Services

Understand IaaS, PaaS, and SaaS
What is Azure?
Major Components of Microsoft Cloud
Obtaining a Tenant Overview
Signing up for an Azure Trial
Using Your Azure Tenant
Validation

Manage Global Admin and Users

Importance of Global Admin Accounts
Protecting Global Admin Accounts
Using a Passkey to Secure Accounts
Converting an External User to Internal
Creating Users Manually
Creating Users via Script
Validation

Comparing AD and Entra ID

Introducing Entra ID

Compare AD and Entra ID Users

Compare AD and Entra ID Groups

Comparing AD and Entra ID OUs

Comparing AD and Entra ID Privileged Users

Entra ID Role Assignment

Validation

Connect AD to Entra ID

Entra Connect Sync Overview

Password Sync and Writeback

Establish a UPN

Install Entra Connect

Validation

Device Identity in Entra ID

Device Identity Overview

Entra Hybrid-Joined Devices

Entra ID Joined Devices

Entra ID Registered Devices

Validation

Tuning in to Intune

Intro to Intune

What Intune is, and What it is

Configure Autoenrollment in Intune

Quick Look

But Wait! What About Previous Devices?

Validation

Azure Arc

Management With and Without Azure Arc

The Arc Control Plane

What Azure Arc is NOT

Azure Arc Resources

Pre-Registering Resource Providers

Install Azure Arc

Validation

Securing Hybrid Access with Modern Auth and CA

Connect Sync Exposure

Three Enforcement Stacks

Modern Authentication

Licensing for Identity Protection

Authentication Methods

Implement Temporary Access Pass

Conditional Access Policy

Validation

Changing Source of Authority to Entra ID

Cloud-Only Destination

Conversion Method Overview

Change the User SOA to Entra ID

Change the Group SOA to Entra ID

Do We Still Need Active Directory?

What About Hybrid Devices?

Validation