

Mirza Ahmed Ali Baig

IT Infrastructure, Azure & Microsoft 365 Administrator

AZ-104 CERTIFIED M365 ADMIN HYBRID IDENTITY HYPER-V & AD DS

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LOCATION
Hyderabad, India

PROFILE

IT Infrastructure, Azure and Microsoft 365 Administrator with one year of hands-on experience running a complete virtual datacenter — from a bare Hyper-V host to a hybrid identity connected to Microsoft Azure. 15 labs built, validated and documented personally, covering identity, high availability, networking, cloud workloads and backup/DR.

EXPERIENCE

HomelabCenter — Hyderabad 1 YEAR • FULL-TIME
IT Infrastructure / Cloud Lab Administrator

- Built a virtual datacenter on **Hyper-V (Windows Server 2025)**: 10+ VMs, virtual switches, VHDX disks, checkpoints and per-role resource allocation.
- Deployed **AD DS domain controller (HYD-ADDC-V-01)**: new forest, OUs, users and groups, GPOs, DNS records, forwarders and Sites & Services.
- Operated core server roles: **File Server** (Share vs NTFS, GPO-mapped drives), **IIS** with public DNS and SSL, **Exchange 2025 SE** (mailboxes, MX/SPF, OWA over HTTPS).
- Configured a **two-node Hyper-V failover cluster**: iSCSI shared storage, Cluster Validation, file-share quorum witness, CSV and zero-downtime live and quick migration.
- Established **site-to-site VPN** (RRAS to Azure VNet Gateway) and proved it with cross-cloud ping plus an additional Azure DC (AZU-ADDS-V-01).
- Implemented **Entra Connect hybrid identity**: OU and attribute filtering, Password Hash Sync, synced-user verification and SSO testing.
- Delivered **Azure workloads**: landing zones with policy and RBAC, 2x IIS VMs behind a public load balancer with health probes and a failover test, and a web app with a private endpoint (public access disabled).
- Protection and EUC: **Recovery Services Vault** backup and restore, **AVD** host pool (multi-session Windows 11, multi-user test) and an Azure file server failover cluster with cloud witness.

SELECTED LABS (15)

LAB 01 • ON-PREM OS Installation & Virtualization Win 11 / Server 2025 installs, Hyper-V role, virtual switches, checkpoints.	LAB 02 • ON-PREM Active Directory Domain Services Forest promotion, OUs, users, groups, GPOs, DNS zones, replication.
LAB 03 • ON-PREM File Server (HYD-FILE-V-01) FSRM, shares, Share vs NTFS, GPO-mapped S: and P: drives.	LAB 04 • ON-PREM Web Server — IIS Sites, bindings, DNS A records, ZeroSSL, HTTP to HTTPS redirect.
LAB 05 • ON-PREM Exchange Server 2025 SE Mailbox role, EAC mailboxes, MX / SPF / Autodiscover, SSL OWA.	LAB 06 • ON-PREM Two-Node Failover Cluster iSCSI LUNs, validation, quorum witness, CSV, live migration.
LAB 07 • HYBRID S2S VPN to Azure RRAS, VNet Gateway, Local Gateway, shared key, cross-cloud ping.	LAB 08 • HYBRID Entra Connect Hybrid Identity OU/attribute filtering, Password Hash Sync, SSO, Connect Health.
LAB 09 • CLOUD Management Groups & Landing Zones Policy and RBAC at management group scope, billing separation.	LAB 10 • CLOUD High-Availability Web Tier 2 IIS VMs, Standard Load Balancer, health probes, failover test.
LAB 11 • CLOUD Azure Web App (PaaS) Private endpoint, private DNS, public access disabled, TLS.	LAB 12 • CLOUD Azure VM Backup & Restore Recovery Services Vault, retention policies, restore as new VM.
LAB 13 • CLOUD Azure Virtual Desktop Host pool, Win 11 multi-session image, workspace, RBAC, FSLogix.	LAB 14 • CLOUD Azure File Server Cluster Azure Shared Disk, Cloud Witness, ILB probe, clustered SMB share.
LAB 15 • NEXT Monitoring & Next Steps WSUS, Azure Update Manager, FSLogix scaling, Azure SQL basics.	

AT A GLANCE

15+	20+
LABS	VMs
8	2
DUTIES	CERTS

SKILLS

Cloud — Azure
Landing Zones Policy RBAC Load Balancer
Private Endpoint AVD Recovery Vault
Server Roles & HA
Hyper-V AD DS DNS GPO IIS Exchange 2025
Failover Cluster iSCSI
Networking
RRAS S2S VPN VNet Gateway Peering NAT
TCP/IP VLAN DHCP
Identity / M365
Entra ID Entra Connect Password Hash Sync
SSO
Operating Systems
Server 2025 Server 2022 Core Windows 11
Linux basics

Tools & Scripting
PowerShell Server Manager Azure Portal
Azure CLI Entra Admin Center

CERTIFICATIONS

✓	Azure Administrator Associate AZ-104 EARNED
✓	M365 Administrator MICROSOFT 365 EARNED
+	Azure Fundamentals AZ-900 RECOMMENDED
~	Solutions Architect AZ-305 ROADMAP
~	Identity & M365 Admin SC-300 / MS-102 ROADMAP

EDUCATION

Osmania University Bachelor of Business Administration (BBA) HYDERABAD, INDIA UNDERGRADUATE
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