

Windows Server & Active Directory Administration Project

Zeinab Mohamed | [GitHub: ZeynixTech](#) | Repo: OSM720_Administration_Microsoft_Systems

Project Snapshot

Hands-on experience with **Windows Server 2019** and **Windows 10** in a **VMware virtual environment**, demonstrating practical skills in system administration, networking, and automation. Includes **Active Directory management, file/folder sharing, printer setup, DHCP configuration, and PowerShell scripting**, with screenshots and scripts validating proficiency.

Key Achievements

- **Active Directory:** Created Organizational Units (OUs), managed users, and configured domain-local groups.
- **File & Folder Sharing:** Applied NTFS and share permissions for secure, role-based access.
- **Printer Administration:** Installed and shared network printers, configured TCP/IP ports, and enforced security permissions.
- **Networking & DHCP:** Set up DHCP scopes, configured options, and applied server reservations.
- **Automation with PowerShell:** Developed scripts to generate automatic printer reports, improving administrative efficiency.

Skills Demonstrated

- Active Directory administration (OUs, users, groups)
- File sharing & permission management (NTFS & share-level)
- Printer setup & network configuration
- DHCP and IP addressing configuration
- PowerShell scripting for automation
- Virtualization using VMware Workstation
- Problem-solving through hands-on lab exercises

Technologies & Tools

- **Operating Systems:** Windows Server 2019, Windows 10
- **Tools:** VMware Workstation, PowerShell ISE, Snipping Tool
- **Networking:** DHCP, TCP/IP, DNS, Printer networking
- **Documentation:** Organized screenshots and project files for portfolio-ready presentation

Repository Deliverables

- **Screenshots:** Visual proof of all tasks completed
- **Scripts:** [Practical2Report.ps1](#) PowerShell automation
- **Project Summary PDF:** Concise overview for recruiter review