

Project Scope:

- Network Design and Topology:
 - Design a network topology for efficient communication between the office and central server.
 - Consider physical layout and VM placement for different departments.
- VPN Setup:
 - Establish a secure site-to-site VPN tunnel between the office router and the central server.
 - Ensure encrypted data transfer and demonstrate access to network resources.
- VLAN Implementation:
 - Create VLANs for different departments (Management, Sales and Marketing, Research and Development, Future Expansion).
- Backup Solution:
 - Develop an on-site and off-site backup solution with regular scheduled backups.
- File Shares:
 - Set up separate file shares based on departments for collaboration.
 - Implement access controls for data security and privacy.
- Security Measures:
 - Implement firewalls, antivirus solutions, and other security measures.
- Windows Server Deployment and Domain Controller Setup:
 - Automate Windows Server deployment with PowerShell, configuring it as a Domain Controller.
 - Create AD Forest, OUs, and users.
- Virtual Machine Deployment:
 - Deploy VMs for the server, router, and three department computers, associating each with the correct VLAN.
- IT Onboarding Policy:
 - Develop an IT onboarding policy for new employees, covering account creation, device setup, network access, and security training.