

DNS, DHCP & File Server – Full Professional Documentation

1. Overview

This document details the deployment of essential network services used in enterprise infrastructures: DNS, DHCP, and File Server.

2. DNS Configuration

Step 1: Create Forward Lookup Zone (corp.local)

Step 2: Create Reverse Lookup Zone (192.168.1.x)

Step 3: Add A Records (web, dc, fs)

Step 4: Add CNAME Records

Step 5: Add PTR Records

Step 6: Test using nslookup

3. DHCP Configuration

Scope: 192.168.1.50–200

Options: Gateway, DNS, Lease time

Reservations: Printers and servers

Testing: IPAssignment via ipconfig /renew

4. File Server Configuration

Step 1: Add new disk (D:)

Step 2: Create shares: HRShare, FinanceShare, PublicShare

Step 3: Configure NTFS Permissions

Step 4: Configure Share Permissions

Step 5: Map drives using GPO

5. Troubleshooting

- DNS resolution failures
- DHCP not issuing addresses
- Permission denied errors

6. Conclusion

A fully functional internal network service stack for enterprise usage.