SMB Network Cloud Migration Plan

# 1. Executive Summary

This migration plan outlines the transition of the existing on-premises IT infrastructure to a modern, cloud-based environment leveraging Microsoft 365, Azure Active Directory, and related technologies. The goal is to improve security, support remote work, reduce maintenance costs, and align with modern best practices.

# 2. Goals & Benefits

- Improve email reliability and security via Exchange Online  
- Centralize identity management with Azure AD  
- Enable secure remote access and endpoint control with Intune  
- Modernize file sharing and collaboration with SharePoint & OneDrive  
- Implement cloud backups and disaster recovery  
- Reduce on-premises server dependency and maintenance overhead

# 3. Step-by-Step Migration Plan

Phase 1: Identity Migration

- Deploy Azure AD Connect to sync on-prem AD with Azure AD  
- Verify synchronization and test user access to Microsoft 365  
- Roll out Multi-Factor Authentication (MFA)

Phase 2: Email Migration

- Prepare Exchange Server mailboxes for migration  
- Use M365 migration tool to move mail to Exchange Online  
- Update DNS records (MX, SPF, DKIM, DMARC)

Phase 3: File & Storage Migration

- Audit NAS storage and classify data  
- Use Mover.io or manual upload to move shared files to SharePoint  
- Migrate user home folders to OneDrive

Phase 4: Endpoint Management

- Enroll devices in Microsoft Intune  
- Apply security baselines and compliance policies  
- Monitor device health and patching

Phase 5: Backup & DR

- Configure Microsoft 365 retention policies  
- Set up Azure Backup or a third-party DR tool

# 4. Estimated Timeline

- Phase 1: Identity Migration — 1 week  
- Phase 2: Email Migration — 1-2 weeks  
- Phase 3: Storage Migration — 2 weeks  
- Phase 4: Endpoint Management — 1 week  
- Phase 5: Backup & DR Setup — 1 week  
Total Project Estimate: ~6 weeks

# 5. Risks & Mitigations

- Risk: Email downtime during cutover → Mitigation: Migrate in off-hours  
- Risk: Data loss during file migration → Mitigation: Backup NAS before move  
- Risk: User confusion with new tools → Mitigation: Provide training and FAQ docs

# 6. Required Tools & Resources

- Azure AD Connect  
- Microsoft 365 Migration Tools  
- Mover.io for file transfer  
- Microsoft Intune  
- Microsoft Defender for Endpoint  
- Azure Backup or equivalent