

CMMC-Compliant IT Infrastructure Roadmap (2025–2030)

Prepared for: Management

Prepared by: Xavione Gordon

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Overview

This roadmap provides a calendar-style plan from 2025 through 2030 to ensure the IT infrastructure remains CMMC Level 2 compliant. It covers procurement, setup, audit preparation, and refresh cycles for hardware, operating systems, SQL databases, and SolidWorks upgrades.

Timeline 2025–2030

2025

- Procure and deploy new servers (Dell R760 or Lenovo SR650 V3 preferred).
- Install Proxmox VE, Windows Server 2022, SQL Server 2022, and SolidWorks 2025.
- Configure AD, File Server, DHCP/DNS, SQL, SolidWorks PDM, and Web Server.
- Implement backups, VLANs, MFA, and patch management.
- Document System Security Plan (SSP) and Plan of Action & Milestones (POA&M).
- Begin compliance logging (patch logs, access logs).

2026

- Apply monthly OS/firmware patches.
- Conduct quarterly vulnerability scans.
- Annual: Review support contracts and policies.
- SolidWorks minor updates (SP versions).
- Prepare for internal compliance review.

2027

- Mid-cycle review of infrastructure.
- Expand SSD/HDD if storage usage exceeds 70%.
- Plan budget for SolidWorks upgrade (target 2028).
- Conduct mock audit to test CMMC readiness.
- Annual compliance binder update (SSP, POA&M, patch logs).

2028

- Upgrade SolidWorks to 2028 release to stay in supported lifecycle.
- Apply SQL Server cumulative updates.
- Begin planning for hardware refresh if servers are nearing end of support (budget discussions).
- Continue monthly patching, quarterly scans, annual audits.

2029

- Review SQL Server version: SQL 2022 still supported (extended support to 2032).
- Annual review of Windows Server 2022 patches (supported to 2031).
- Budget planning for next hardware refresh (expected 2030–2031).
- Annual mock compliance audit.

2030

- Begin procurement of next-generation servers (Dell R880 / Lenovo SR670 V4 expected).
- Plan migration of VMs from 2025 servers to new hardware.
- SolidWorks upgrade cycle (2031 version target).
- Conduct CMMC audit with full lifecycle documentation.
- Decommission 2025 servers securely with drive sanitization logs.

Key Compliance Practices

- Maintain vendor support contracts for firmware and driver updates.
- Apply OS and application patches monthly.
- Run vulnerability scans quarterly.
- Test backup restores quarterly.
- Refresh hardware every 5–7 years, SolidWorks every 3–4 years.
- Keep audit binder current with SSP, POA&M, patch logs, and access logs.