

Solutions Lab

De-Risking a Critical Network Remediation and Upgrade

PROJECT FRAMEWORK



INITIATE

- Comprehensive network assessment
- Discovery of legacy software & unsupported devices
- Define scope, objectives, and success criteria for remediation



PLAN

- Emulate production environment in the KNZ Solutions Lab
- Develop structured testing and validation plan
- Schedule stakeholder communication and reporting cadence



EXECUTE

- Analysis of current software versions and configurations
- Validation of proposed network behaviors and security policies
- Impact and risk analysis of all proposed changes



MONITOR

- Ensure adherence to client's change management process
- Provide detailed reporting on test outcomes
- Refine remediation plan based on lab findings



CLOSE

- Formal turnover of validated roadmap and project deliverables
- Client satisfaction feedback and survey
- Document lessons learned for future initiatives



BACKGROUND

A large client assumed ownership of an existing and complex network environment. Lacking a clear understanding of its current state, the organization sought to gain comprehensive visibility and address potential stability and security risks. To support this critical effort, the client engaged KNZ Solutions. Our initial recommendation was to conduct a full network assessment. During this deep-dive analysis, KNZ's engineers identified that a substantial portion of the network infrastructure was running outdated or legacy software code. This discovery raised significant concerns around system stability, exposure to known security vulnerabilities, and the long-term supportability of the environment.



SOLUTION

In response to these findings, KNZ Solutions proposed a structured remediation and upgrade plan. However, implementing these changes directly in the live production environment carried inherent risks of service disruption and unforeseen complications. To evaluate the potential impact of the proposed changes in a controlled manner, KNZ worked closely with the client to leverage the KNZ Solutions Lab. We meticulously emulated the client's existing production environment within our lab, creating a high-fidelity, sandboxed replica. This allowed for thorough, real-world testing and validation of the entire remediation plan before a single change was made to their live network. The process included a full analysis of software versions, security compliance checks, and validation of all proposed network configurations and behaviors.



OUTCOME

By using the Solutions Lab, KNZ delivered a validated, low-risk roadmap for change. This approach eliminated guesswork and gave the client full confidence to execute the remediation plan. The process significantly reduced project risk, prevented potential downtime, and ensured a seamless, successful transition to a more stable, secure, and supportable network environment.

