



Revitalizing Legacy IT: How WEI Enabled Scalable and Secure Operations for a Financial Institution with Nutanix

● **SUMMARY:** A prominent federal credit union required a significant upgrade to their IT infrastructure to replace aging hardware that supported their critical applications and systems. With a focus on enhancing system reliability, scalability, and disaster recovery capabilities, the credit union partnered with WEI to deploy a comprehensive Nutanix-based solution. The project spanned across two data centers and included the migration of virtual servers from VMware to Nutanix AHV, backed by robust data protection and disaster recovery measures. This successful deployment has not only modernized the customer's infrastructure but also ensured a resilient and future-ready IT environment.

● **CHALLENGE:**

Aging Hardware: The organization was operating on aging hardware that was increasingly difficult and costly to maintain, putting the reliability of critical applications at risk.

Limited Scalability: The current infrastructure lacked the flexibility needed to scale efficiently in response to growing business requirements.

Disaster Recovery Gaps: Existing disaster recovery solutions were insufficient, raising concerns about the institution's ability to recover from potential disruptions.

Complex Migration Needs: The transition from VMware to Nutanix AHV was necessary but posed significant challenges in ensuring data integrity and minimal downtime.

● **SOLUTION:**

Integration & Foundation Setup: WEI's approach to the integration and foundation setup began with a meticulous process in their dedicated integration lab. The Nutanix nodes and HPE switches were pre-configured to align with the financial institution's specific requirements. This step involved ensuring that all hardware components were updated with the latest stable firmware and software releases, minimizing the risk of incompatibility or security vulnerabilities. Each device was integrated into a cohesive system that was thoroughly tested in WEI's controlled environment.

This pre-deployment phase allowed WEI to identify and rectify any potential issues before the equipment was shipped, significantly reducing the chances of deployment delays or complications.

Pre-Deployment Integration and Testing: As mentioned, WEI pre-configured the Nutanix nodes and HPE switches at their world-class Integration Lab. This rigorous testing ensured the hardware met performance and reliability standards before shipping to the client's data centers.

Onsite Hardware Installation and Network Setup: WEI engineers were dispatched to the client's two data centers to install, rack, and cable the new Nutanix clusters. The clusters were then connected to the network, validated for connectivity, and prepared for the next phase.

Virtual Machine Migration and Data Protection: WEI deployed Nutanix Prism Central and Nutanix Move to facilitate the migration of virtual machines (VMs) from VMware to Nutanix AHV. WEI provided detailed documentation and training to enable the client's IT team to complete the remaining migrations. Veeam backup software was updated and reconfigured to protect the newly migrated VMs, ensuring that all critical data was secured.

Enhanced Disaster Recovery Setup: WEI configured Nutanix Disaster Recovery (formerly called Leap), replicating the functionality of the client's previous disaster recovery solution while enhancing overall reliability. Several failover tests were conducted to validate the disaster recovery process, with comprehensive documentation provided for future reference.

Knowledge Transfer and Training: WEI delivered a three-day Nutanix administration workshop to the client's IT staff, ensuring they were equipped with the necessary skills to manage the new infrastructure effectively.

● OUTCOMES:

This project highlights WEI's expertise in delivering tailored IT solutions that meet the unique needs of financial institutions. The client now operates on a modern, scalable, and secure IT platform that supports their critical operations and positions them for continued success.

Modernized Infrastructure: The deployment of Nutanix's hyperconverged infrastructure replaced the outdated hardware, resulting in improved performance and reliability for critical applications. The new infrastructure provides the scalability needed to support future growth, enabling the institution to respond quickly to changing business needs.

Robust Disaster Recovery: The implementation of Nutanix Disaster Recovery significantly enhanced the organization's disaster recovery capabilities, ensuring business continuity in the event of disruptions.

Streamlined Migration Process: The migration from VMware to Nutanix AHV was completed with minimal downtime and disruption, thanks to the capabilities of Nutanix Move and WEI's meticulous planning and execution.

Cost Savings: By consolidating their data centers and optimizing cloud resources, the client reduced their IT operational costs by 25%.

Talk to WEI today

To discover how WEI can help modernize your IT infrastructure and enhance your business resilience, contact us today for a comprehensive assessment. Partner with WEI to ensure your organization is equipped with the cutting-edge solutions needed to thrive in an ever-evolving digital landscape.