

# MODERNIZING PERFORMANCE: AVATAR SYSTEMS' COMPUTE & NETWORK INFRASTRUCTURE REFRESH

## CHALLENGE

Avatar Systems needed to refresh aging compute hosts and supporting infrastructure to improve performance, reliability, and compatibility with modern virtualization platforms. Their environment presented multiple challenges:

- VMware and NSX-V deployment required a full network and firewall reconfiguration before upgrades
- Replacement of critical infrastructure including firewalls and network switches
- Minimizing downtime for business-critical workloads during migration



*"Viyu helped us modernize our compute and network infrastructure with zero disruption to the business. The migration was carefully planned and executed, and all workloads were transitioned without unplanned downtime. Their team handled a complex environment with confidence and delivered clear documentation that sets us up well for the future."*

**NAME**  
AVATAR SYSTEMS

## SOLUTION

Viyu delivered a comprehensive infrastructure modernization plan by:

- Procuring and deploying three HPE ProLiant DL360 Gen11 servers, updating firmware, and installing VMware ESXi 8.0.3
- Installing and configuring new FortiGate firewalls, FortiSwitch core and access switches, and completing FortiLink and VLAN setup
- Migrating firewall rules from NSX-V to FortiGate and rebuilding switch configurations
- Documenting new Layer 2 and high-level network designs for future management and scalability

## OUTCOME

Avatar Systems successfully transitioned to a modern, high-performance compute and network environment with no unplanned downtime.

- All virtual machines were migrated to the new compute cluster using coordinated vMotion, with workloads validated before and after migration
- New FortiGate firewalls and FortiSwitch infrastructure were deployed and cut over cleanly during a planned after-hours window
- Zero customer-impacting outages occurred; one unrelated RDS issue was handled separately under support
- Complete documentation and credentials were delivered to support ongoing operations

