MVG Digital

Enterprise Infrastructure, Virtualization & Business Continuity

INDUSTRY	Enterprise infrastructure
CAMPAIGN FIT	Server virtualization / enterprise IT infrastructure

THE BUSINESS CHALLENGE

MVG Digital required more structured network segmentation, centralized application hosting, recovery capability and visibility into its infrastructure. A later engagement also addressed connectivity problems and VLAN restructuring across connected locations.

AXIOM SOLUTION

- Configured Fortinet firewall VLAN interfaces, security policies and inter-VLAN routing; installed TP-Link managed switches with fiber links, trunk ports and link aggregation.
- Established a three-node HPE Linux VE cluster with shared storage and virtualized Tally, Remote Desktop Services and MAsset workloads.
- Integrated a dedicated Linux Backup Server for scheduled virtual-machine image backups and Synology NAS for image and raw-data backup.
- Installed Zabbix monitoring with dashboards and event alerts; configured UVdesk ticketing and Mattermost collaboration.
- Performed VLAN,switch,wireless & connectivity troubleshooting in the later network optimization engagement.

IMPLEMENTATION & VALIDATION

- Linux cluster failover and resource-distribution tests documented.
- Virtual-machine image backup and restoration tests recorded.
- Synology backup and restore validation recorded.
- Network segmentation, monitoring alerts and IT service applications tested.
- Later network optimization report records restored stable connectivity after troubleshooting.

BUSINESS OUTCOME

A centralized, segmented environment with virtualized business workloads, tested recovery procedures, monitoring and structured IT support. The documented work supports improved operational manageability; no quantified downtime reduction is claimed.

TECHNOLOGY STACK

HPE | Linux KVM | Fortinet | TP-Link | Synology | Zabbix | UVdesk

YOUR NEXT STEP

Get Your Free IT Infrastructure Health Check. Visit www.axiominfotech.com to discuss your business IT requirements