

## GOVERNMENT CASE STUDY

How Mentat helped an undisclosed government agency migrate over 800 Virtual Machines (VMs) from their old data center with failing end-of-life hardware, zero automation, and a looming deadline to vacate the data center, to a brand new, automated and orchestrated data center with extremely stringent security compliance requirements.

## SOLUTIONS

- ✓ Mentat™ designed, developed, deployed, & managed the largest Azure Government deployment that met CJIS compliance requirements.
- ✓ Connected multiple zero-trust VNETs to 100GB ExpressRoute pipe, with micro-segmentation between all subnets to control east/west traffic.
- ✓ Check Point firewalls were deployed into Azure Scale Sets to control north/south traffic.
- ✓ To handle automation in the Azure cloud, Mentat™ designed & implemented Jenkins for orchestration, & Terraform and PowerShell to provision & configure services.

## RESULTS

- Zero data corruption
- Minimal application downtime
- Successfully decommissioned applications that were no longer needed
- All applications were tested successfully and verified by application owners
- Mentat was able to leverage all native or previously owned tools without acquiring new ones
- Correctly migrated incorrectly categorized applications to appropriate enclaves to meet compliance
- Target data center was configured to ensure compliance using configuration as code practices
- All virtual machines inherited a modern tagging strategy using automation through the migration process

## CHALLENGES

- Zero time to refactor apps
- Looming deadline to vacate data center
- Ailing hardware that was past end-of-life
- Applications that allowed for little downtime
- Zero automation in previous environment
- No replication capabilities in place prior to migration
- Previous environment had overly complex security that far surpassed requirements
- Difficult security compliances in new environment (CCMC, NIST, ITAR, ISO)

## TECHNOLOGIES

- VMware vSphere (vCenter and ESXi)
- VMware vRep and SRM
- Commvault
- Jenkins
- PowerCLI
- Ansible



Contact us to see how we can provide similar results for your organization.