



GOVERNMENT CASE STUDY

How Mentat™ helped an undisclosed state/local government design and implement a new Automation Platform to fully manage provisioning and configuration to support over 100,000 users.

CHALLENGES

In addition to daily service outages, this client also used antiquated technology, such as Excel spreadsheets, to manage builds and changes, used dozens of half-implemented tools with overlapping purposes, and had scripts written in multiple languages to perform the same tasks.

The client needed to rethink how to provision and configure all systems and hardware in order to stabilize their environment that supported over 100,000 users.

RESULTS

5 MINUTES
deployment process*

5-20 MINUTES
configuration management jobs*

ZERO
daily outages, now reduced to monthly occurrences

AUTOMATED
reduced mean time to recovery through automation & tagging

INSTANT
near real-time visibility into CRC errors across 1000's of devices, allowing network team to locate & resolve issues faster and more reliably

SOLUTIONS

- ✓ Mentat™ leveraged Azure DevOps as the orchestration engine, Azure Kubernetes Service (AKS) was deployed to host build agents, and Ansible Tower was automated and deployed to manage all configuration management
- ✓ Terraform and Terragrunt were implemented with a custom statefile management solution to manage all multi-cloud builds while Elasticsearch was used to gain visibility into all automation services & provide visualizations and metrics
- ✓ Frog Artifactory was then used in an HA pattern to host all binaries and containers, leveraged Prisma Cloud to have Twistlock deployed into Kubernetes clusters to manage security, and deployed VxRail on-premises with NSX-T to create a secure enclave to host and manage the automation services of the platform

TECHNOLOGIES

- Azure - Azure Kubernetes Services (AKS), Azure DevOps, NSGs, VNETs, Storage
- AWS - VPCs, Subnets, EC2s, ILBs, EBS, EKS
- Ansible Tower
- VMware, NSX_T, VxRail
- Terraform, Terragrunt
- Prisma Cloud
- Elasticsearch



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