



LARGE HEALTHCARE PROVIDER AND UNIVERSITY CASE STUDY

INTRODUCTION

An academic medical health system is looking to modernize their on-prem infrastructure and needed VMware Kubernetes Service (VKS) expertise to enable easy deployment of their applications to their private cloud. The customer was facing issues on multiple fronts with hardware that was reaching end-of-life in addition to a very costly, unsuccessful attempt to move their primary workload into one of the big 3 cloud providers.

CHALLENGE

Continuing the deployment of new vSphere and NSX components that were installed by a different firm, Capstone IT Solutions was responsible for completing deployment of the AVI load balancer and VKS. The project complexity was greatly increased by the size, scope, and the uptime requirements of the customer network. The customer also needed visibility and monitoring for this environment.

SOLUTION & IMPACT

A new VKS environment and AVI load balancer successfully deployed and integrated with the existing networking over numerous pairing sessions. Additionally, Capstone IT Solutions deployed Prometheus+Grafana to temporarily provide cluster status, visibility, and alerts until the migration to Aria Operations completed.

RESULT

- Customer is satisfied with their VCF deployment and VKS environments and is deploying applications to their private cloud
- AVI Load balancer and VKS successfully deployed and integrated with existing environment
- Prometheus+Grafana deployed for temporary monitoring and alerting of VKS environment and workload clusters
- Management Pack for Kubernetes later deployed into Aria Operations
- Capstone IT Solutions contracted to provide supplementary engineering and support hours for the VCF stack

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