



LARGE AUTOMOTIVE RETAILER

CASE STUDY

INTRODUCTION

An automotive company in the U.S. that partnered with Capstone IT Solutions and VMware to modernize its IT infrastructure, focusing on adopting agile practices and Kubernetes to enhance efficiency and profitability. Quarterly upgrade failure rates exceeded 70% and site outages would last 4+ hours. Facing rising IT costs outpacing revenue, the company desired an accelerated time-to-market and reduced infrastructure expenses.

CHALLENGE

The company had a traditional IT setup with lengthy planning cycles, on-premises infrastructure, and no public cloud usage, leading to slow delivery and high costs due to duplicative test environments and manual processes.

SOLUTION & IMPACT

Capstone IT Solutions implemented a Kubernetes-based platform using VMware Kubernetes Service (VKS). Monolithic workloads were shifted to containerization to optimize resource use, reducing hundreds of VMs and CPU cores. Automated image builds through Tanzu Application Catalog (TAC) and Tanzu Build Service helped to free up 10s of hours for developers in a week and shifted deployments from quarterly to daily.

RESULT

- Improve deployment velocity from quarterly releases to daily.
- Monolithic workloads containerized
- Pre-built Kubernetes clusters for developers, improving efficiency and eliminating manual setup.
- Policies via VMware Tanzu Mission Control for access, network, security, and trusted image registries.
- TAC and Tanzu Build Service for secure, automated container image management.
- VMware Tanzu Service Mesh for secure app communication and Aria Operations for Applications for enhanced observability.