navitas
Innovation * Delivery Excellence

Cloud Migration Reduces Data Center Footprint

CAPABILITIES SHOWN

Advisory Services

Multi-Cloud Strategy

Cloud Engineering

Kubernetes Service

Accelerated DevSecOps

ABOUT THE COMPANY

Navitas Business Consulting is an award-winning, woman and minority-owned, SBA 8(a) certified IT Consulting & Solutions Company. We value passion, integrity, commitment, and collaboration, provide the perfect combination of technology, people, innovation, and expertise, and are committed to helping you improve speed, achieve desired outcomes, and reduce costs. Our core capabilities include multi-cloud enablement, digital transformation, and data and intelligence.

13454 Sunrise Valley Dr. Suite 240, Herndon, VA 20171   +1-571-222-4646   info@navitas-tech.com
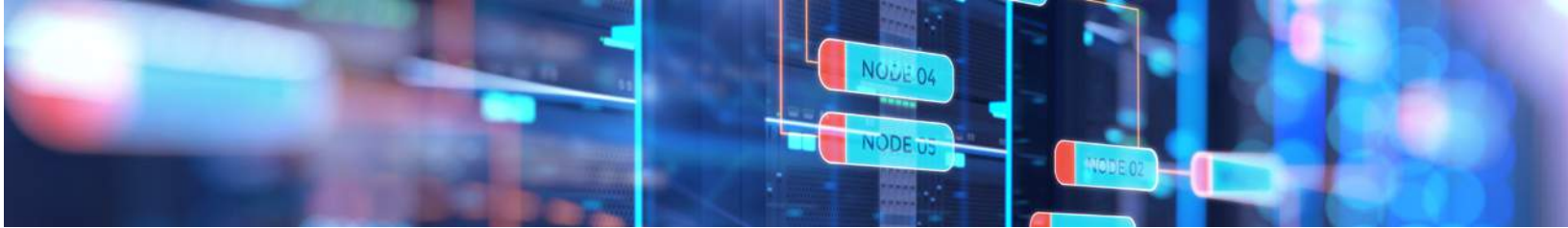
CUSTOMER CHALLENGE

One of the world's largest financial institutions runs six data centers with thousands of servers in each, using VMWare infrastructure where the resource utilization rate was relatively low. The client had a disparity of infrastructure agility, leading to a one-size-fits-all operational model which was not enough to accommodate all their digital business needs. Significant cost and resources were invested to maintain the operational model, which resulted in a lack of resource management for business solutions. To address these challenges, the client wanted to build a hybrid cloud and deploy each application in its ideal environment while creating a seamless experience between public and private infrastructure.

NAVITAS SOLUTION

Navitas fully analyzed the client's application and workloads, data gravity, security, compliance with regulations, cost management, and the need for organizational change. Our cloud enablement team developed a strategy to implement a hybrid cloud solution with service based on cloud-native constructs and Kubernetes supported by a container management ecosystem. The service was built in SDI (Software Defined Infrastructure) based HCI (Hyper-Converged Infrastructure) solution. We integrated this private infrastructure with AWS to support cloud bursting capability and created an enterprise-ready hybrid cloud.

We used various approaches and accelerators throughout the project to quickly migrate legacy applications under predefined standards. We implemented a self-service cloud management portal to abstract dependencies and address application onboarding prerequisites. We used a security governance framework using automation scripts, automated infrastructure provisioning, and a migration factory methodology. This enabled the assessment and migration of more than 20 applications in the first 6 months. Our team captured the engagement-specific lessons learned in an operational runbook and a guidance document for future reference.

THE BENEFITS

60+
applications with some High-Performance Computing (HPC) workloads migrated to private cloud

25%
reduction in infrastructure footprint, lowering ownership cost

25%
improvement in operational efficiency and productivity with automated scripts

Improved
product speed and delivery to market with the availability of new services