World's leading Data Analytics and Consulting Company, UK

Customer is the world's leading data, insights and consulting company. They help their clients understand people and inspire growth.

Business Objectives

- GPM (Global Panel Management) is Panel Management System used by internal users to maintain and manage panelist information. This global application currently live in 28 countries. GPM comprises of web applications, WCF services and windows services and huge number of batch jobs and most of the system is built using Microsoft technologies. System is also integrated with many third-party systems with huge data flow between other systems within Organization.
- Customer wanted to modernize this system and move it to cloud to overcome few challenges as mentioned below.

Challenges

- High Cost of hosting on "On Premises VM
- No Disaster Recovery planned
- Requesting additional Space for SQL takes more than 6 months of lead time as it was managed by another vendor.
- Scalability of application was a big challenge

Technology Spread

- Azure Kubernetes, Azure Container Registry (ACR)
- Application Gateway Ingress Controller
- Azure Storage Accounts, Azure Key Vault
- Traffic manager, Azure Security Center
- Azure DevOps, Azure Docker Images Deployment
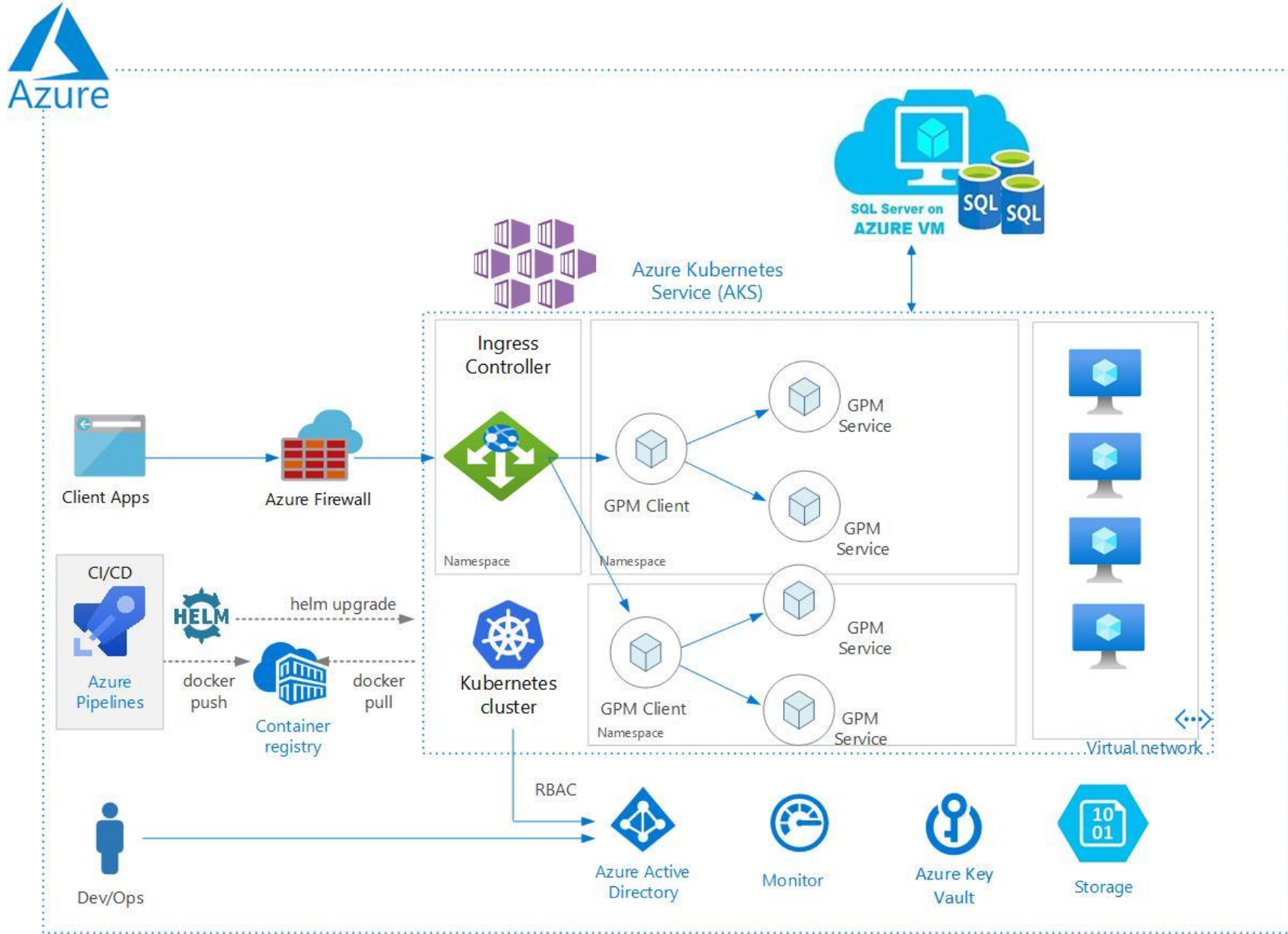- Azure Log Analytics, Azure Monitoring

HCLTech Solution

- HCL provided solution for Application Modernization by dividing the monolithic application into smaller applications.
- HCL utilized its Cloud migration framework to transform from TFS to Azure DevOps as well as breaking down huge monolithic application to smaller individual repos.
- These applications are Containerized in docker images and deployed in AKS.
- Applications went through refactoring
- Scrum based agile with 5-member team to complete migration in 7 months.

Benefits

- Cost saving due to decommissioning of on-premise servers
- Zero downtime
- DR implemented and RTO achieved for DR is 24 hours
- The number of applications were reduced from 66 to 26 to support all GPM regions.
- Scalable solution to suffice increased traffic
- Better monitoring & logging using Azure Log Analytics and Azure Monitor

World's leading Data Analytics and Consulting Company, UK

Technical Architecture

2