About Company:

The Company is a wholly owned subsidiary of a USD 21 Billion Technology,Construction and Financial Conglomerate. It has global operations providing integrated 'design to build' solutions to large and complex Offshore and Onshore hydrocarbon projects worldwide. The company has over three decades of experience and expertise in the hydrocarbon segment

Country:
India

Industry:
Oil & Energy

Organization Size:
Large (10,000+ Employees)

Solution:
Web Application Modernization & DevOps

Products & Services:

- VPN Gateway.
- NSG, VM, NSG.
- Azure Express route.
- Application Gateway.
- Local network Gateway.
- SQL Managed instance.
- App service plan, Webapp,Azure DevOps
- Azure Active Director.
- RBAC, Azure blueprint.

Connect with IFI Techsolutions:

http://ifi.tech | engage@ifi.tech

Improved Efficency by Modernizing Web Application for a Multinational Engineering Company based in India

Project Summary

With the client having different business verticals including offshore, onshore, construction services, modular fabrication and engineering services they wanted to create a hybrid environment comprising of Azure resources and connectivity between on-premises network and Azure resources. Microsoft on-boarded IFI Techsolutions to help them with migration and adopt Azure. After reviewing the client's environment, our Azure experts decided and created a plan for migrating their on-premises applications to Azure App Service and on-premises database to Azure SQL Managed Instance. With the help of Azure ExpressRoute, the client was able to extend on-premises network connectivity to PaaS services over a private connection by configuring hub and spoke model. Multiple environments were designed following Microsoft Azure Guidelines and Agile Framework. Deployment of application changes was automated using Azure DevOps and the application performance was monitored using Azure Monitor.

Challenge

Client was using on-premises VPN device for encryption of traffic and the appliance firmware was outdated. Client was using Windows Authentication to authenticate the users and the application was dependent on multiple third-party tools. Client was deploying the application manually. They did not have any mechanism to monitor the application performance and failures. Administration overhead was more since the environment was on-premises.

Solution

We helped the client to migrate the on-premises Web App and Web API to Azure App Service which improved the application availability and resiliency. Also, we are able to leverage elasticity of Azure App Service. We helped the client to migrate on-premises database to Azure SQL Managed Instance with Single Sign-On mechanism of Azure Active Directory Authentication. We also helped the customer to set up the hybrid environment with the help of Azure ExpressRoute, Azure Virtual Private Network Gateway was configured to send encrypted traffic between an Azure virtual network and an on-premises location over the public Internet. We helped in intergrating monitoring mechanism by instrumenting Azure Application Insights with Azure App Service. We helped customer on setting up CI/CD and code

management using Azure DevOps. With the help of Azure DevOps, customer is able to reduce the deployment time. Additional infrastructure administration over head was reduced. The client team was able to reap the benefits of DevOps by implementing these services and practices into their organization.
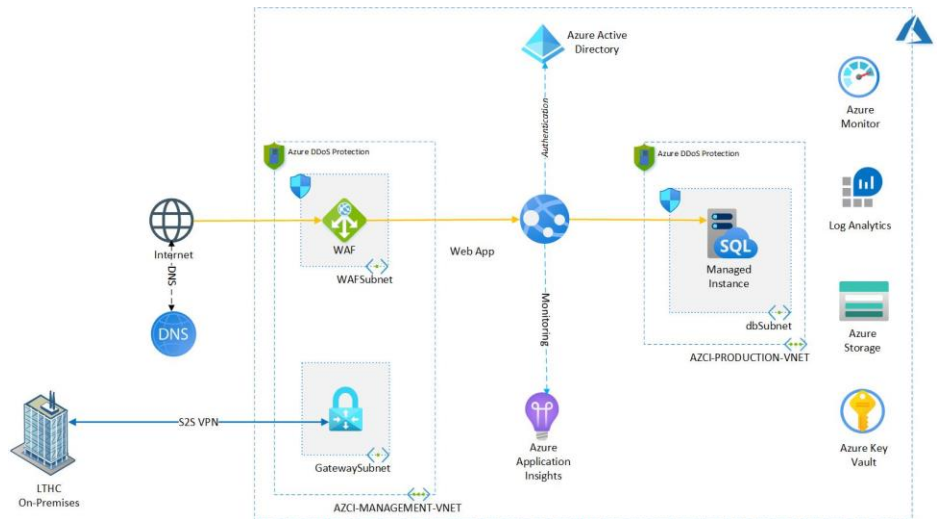
About IFI Techsolutions

IFI Tech is a born in cloud **Microsoft Gold Partner** and a **Cloud Solutions Provider (CSP)** setup by ex-Microsoft employees to help global customers ranging from Enterprises to SMBs and Start-ups with their digital transformation journey.

- 6 Years in Business
- 310+ Projects Delivered
- 230+ Clients Transformed

- 50+ Professionals
- 2900+ Servers Migrated
- 35,000+ Consulting Hours

Here are a few ways in which we can help you:

- ✓ Free Cloud Strategy & Roadmap
- ✓ Free Azure POCs
- ✓ Free Migration Services – any Datacenter to Microsoft Azure
- ✓ 3 Months of Free 24x7 Expert MSP Services
- ✓ Free Azure Infrastructure Review & Optimization
- ✓ Free assessment of identifying workloads to move to Azure

Next Steps

- [Connect with us](#)

For more information about WebApplication Modernization, go to: