



# Corporate Profile

February 2023

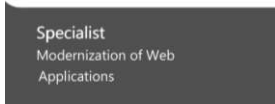
# IFI Techsolutions

Microsoft Cloud Solutions & Managed Services Provider



# About Us

IFI Techsolutions is a leading cloud solutions and managed services provider that was recognized as a **2020 Microsoft Partner of the Year Finalist**. Founded by former Microsoft executives, IFI Techsolutions has earned Microsoft Solution Partner designations for Infrastructure, Data & AI, and Digital & App Innovation Specialization in Windows Server and SQL Server Migration, Modernization of Web Applications and Azure Virtual Desktop.



We offer the following services for our customers across the globe:

## Cloud Solutions Provider

Being a Microsoft Cloud Solutions Provider, our certified experts can help define Cloud Strategy and Roadmap, advice you on right Microsoft licensing for your custom needs and deliver your projects.

## Managed Services

A reliable team of cloud experts working 24x7 to pro-actively manage your IT environment with Security & Compliance, keeping your business highly-available for growth.

## Staff Augmentation

All our cloud and data consultants are Microsoft certified and have delivered multiple projects, they can work as part of your own project team throughout the project lifecycle to achieve your business goals.

 **400+**

Projects delivered in 8 years

 **70,000+**

Consulting hours delivered

 **300+**

Customers across US, UK, UAE, India & Australia

 **5300+**

Servers migrated to Azure from AWS, Rackspace, CoLo, On-premise etc.



# Our Solution Areas



Infrastructure



Digital & App Innovation



Data & AI



Security



Modern Work



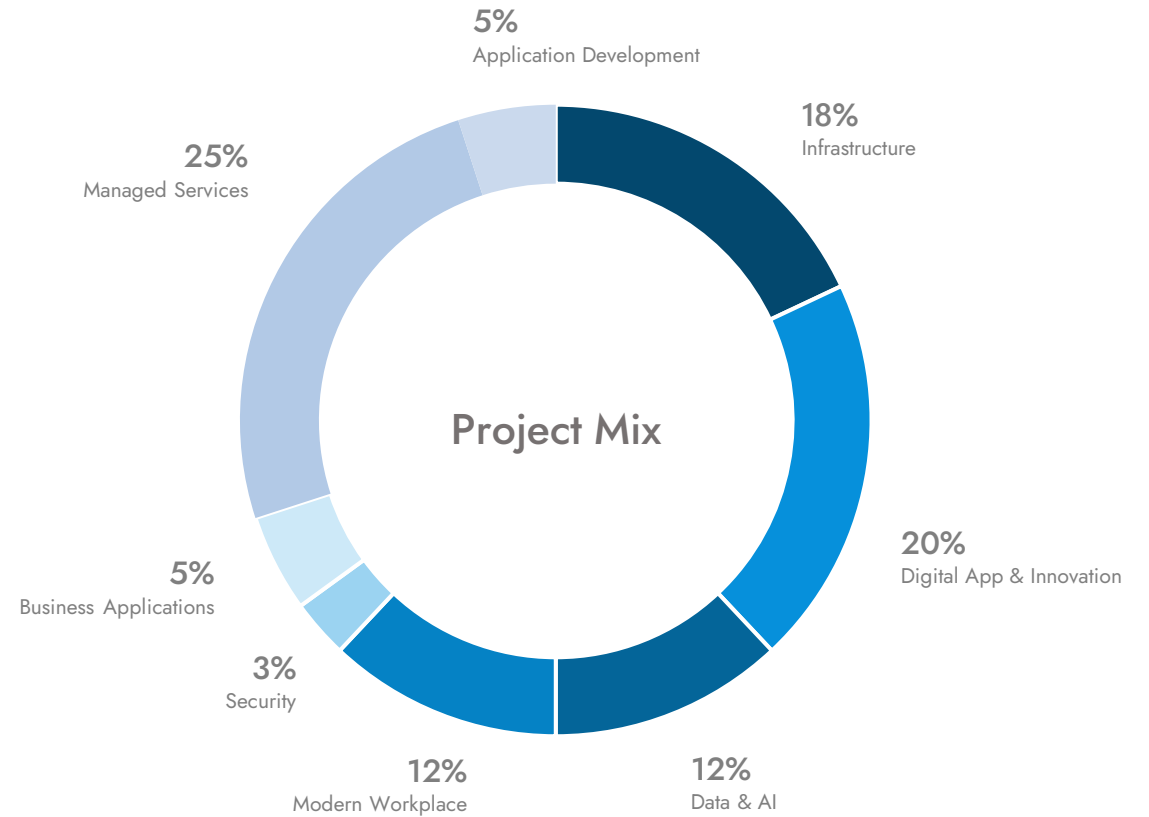
Business Applications



Managed Services



Application Development



# Managed Service Solution Areas

We Build, Manage, and Operate client environment 24\*7\*365 ensuring SLA compliance and assist them at every stage of their cloud journey.



Infrastructure Management



Security & Compliance



Cloud Native Service



Hybrid Monitoring Service



Backup & Disaster Recovery



















Cloud Assessment & Planning

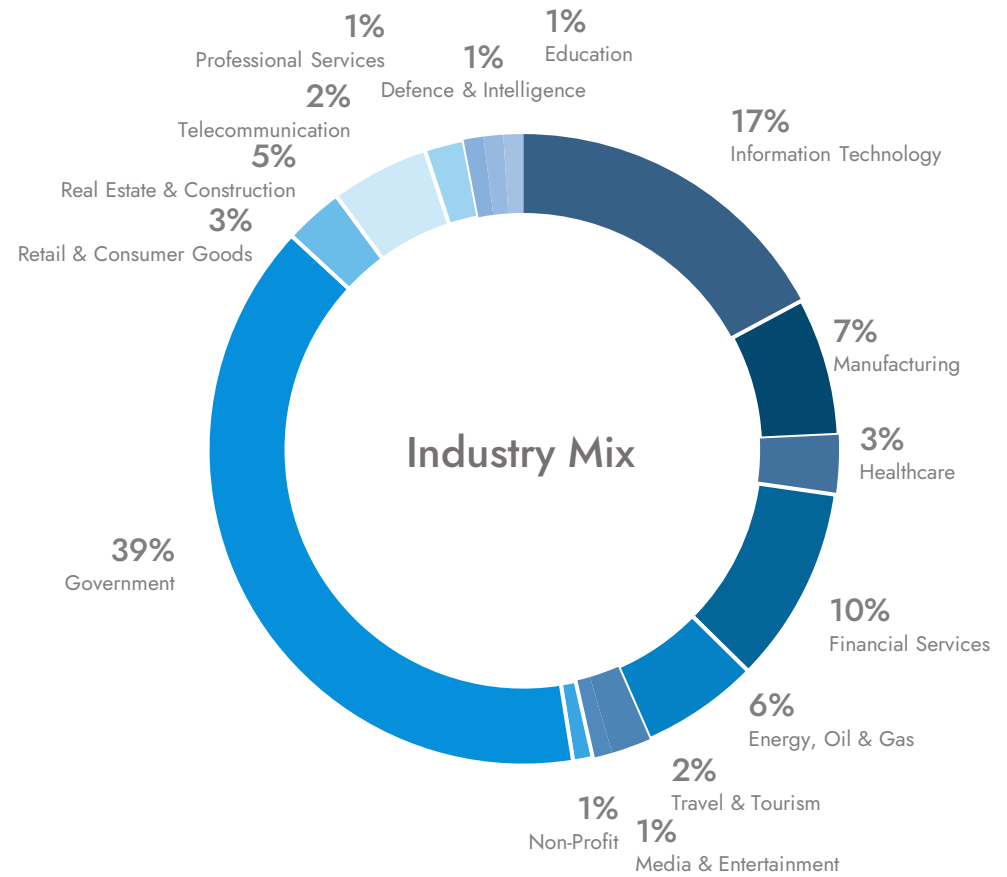


Optimization & Transparency



# Our Industry Expertise

 Manufacturing	 Financial Services
 Energy, Oil & Gas	 Government
 Non-Profit	 Retail & Consumer Goods
 Telecommunication	 Real Estate & Construction
 Defence & Intelligence	 Professional Services
 Maritime	 Healthcare
 Information Technology	 Education
 Media & Entertainment	 Travel & Tourism



A person in a dark sweater and pants stands in a server room aisle, looking at a server rack. A blue cart with a laptop is next to them. The room is filled with rows of server racks, illuminated by blue light. The perspective is looking down the aisle towards a bright window at the end.

# Infrastructure

---

Transform your IT infrastructure with state-of-the-art cloud datacentre promising unmatched performance, 99.99% high-availability & scalability.

# Infrastructure



## Co-sell solutions with Microsoft

### Datacenter Transformation

Modernize your infrastructure and applications with the power of cloud

[POC](#) | [Assessment](#) | [Implementation](#)

### SQL Transformation

Get SQL-as-a-Service for a high-performing & unified SQL platform

[POC](#) | [Assessment](#) | [Implementation](#)

### Linux on Azure

Run RHEL, CentOS, Ubuntu, SUSE and other Linux systems on Azure

[POC](#) | [Assessment](#) | [Implementation](#)

### Disaster Recovery (BCDR/BCP)

Protect your on-premise/Hybrid/Cloud workloads with Backup & DR

### Archival on Cloud

Data archival for reducing cost, efficiency and infinite scalability

[POC](#)

## Case Studies

### Datacenter Transformation for a Leading Education ISV

United States | Education

### Automated Database Migration to Azure SQL for an MNC

United States | Information Technology

### Datacenter Migration for a Leading Financial Service Provider

India | Financial Services





# Digital & App Innovation

Strategize and build high performing serverless applications utilizing microservices architecture with next generation cloud technologies.



# Digital & App Innovation

## Co-sell solutions with Microsoft

### Modern App with Kubernetes

Serverless & microservice for highly available, secure and scalable applications

[POC](#) | [Assessment](#) | [Implementation](#)

### Web App Modernization

Migrating legacy apps to Azure App Service for productivity & scalability gains

[POC](#) | [Assessment](#) | [Implementation](#)

### Azure IoT Hub

Turn your vision into reality with secure, durable, & open edge-to-cloud solution

[POC](#)

### Cognitive Services

AI services for Vision, Speech, Language and Decision processing

### No-SQL Data Transformation

Fully managed NoSQL Database (CosmosDB) for modern application needs

## Case Studies

### Modernization of CMS Application for Leading Real Estate Development Company

India | Real Estate & Construction

### Web Application & SQL Modernization

United States | Manufacturing

### Azure DevOps & Automation for World's Largest Hydrocarbon Engineering Company

India | Real Estate & Construction

**Mahindra**  
Rise.

 **coaspect**

 **L&T Realty**

  
BRANDTOUCH  
& ANALYTICS

  
**L&T Hydrocarbon**



# Data & AI

Drive better decision making by analyzing massive data in real time. Get the insights you need to improve customer engagement, increase revenue and lower costs.



# Data & AI

## Co-sell solutions with Microsoft

### Data Warehouse & Analytics

Build modern Data Warehouse, Analytics and Databricks solutions

[POC](#) | [Assessment](#) | [Implementation](#)

### Synapse Analytics with PowerBI

Enterprise BI system that seamlessly integrates with web & mobile apps

### Big Data with HDInsight

Analytics as a service with managed Apache Hadoop, Spark, Hive, Kafka etc.

## Case Studies

### Data warehousing for a Packaging & Supply Chain Company

United States | Manufacturing

### Power BI Solution for a Top Lubricant Brand

India | Energy, Oil & Gas





# Modern Work

The right digital tools connecting the global & evolving workplace needs and encouraging Productivity, Engagement & Collaboration.

# Modern Work

## Co-sell solutions with Microsoft

### Virtual Desktop & Productivity

Windows 10 VDI as a service for remote productivity & security

[POC](#) | [Assessment](#) | [Implementation](#)

### Microsoft 365

Suite of 30+ Productivity & Security services for Business & Enterprises

### Team & Collaboration

Meetings, Chat, Calls and Collaboration hub for organizations of all sizes

### Linux Virtual Desktop

Run your favorite Linux OS on cloud with Virtual Desktop as a service

### Business Voice

Turn Microsoft Teams into a powerful and flexible telephone system

## Case Studies

### Azure WVD With Dedicated Host for HPC Stimulator

India | Energy, Oil & Gas

### Virtual Desktop & App Virtualization for a Global It Services Provider

India | Information Technology

### Virtual Desktop & App Virtualization for a Leading Maritime Company

UAE | Maritime

**intermiles**



**IMPRESARIO**  
handmade restaurants

  
**Data Marshall.**  
Healthcare Analytics | Revenue Enhancement

**M. P. Chitale & Co.**  
Chartered Accountants





# Security

Take a Security-First approach with Data Protection, Sovereignty, Threat Analytics and AI based Monitoring services.



# Security

## Co-sell solutions with Microsoft

### Hybrid Security with Azure

Cloud enabled SIEM & SOAR solutions for infra, application and data security

[POC](#) | [Implementation](#)

### Comprehensive Azure Review

360° review of your Azure for Cost Saving, Optimization, Security & High-availability

[Assessment](#) | [Implementation](#)

### Enterprise Mobility + Security

Intelligent mobility management and security platform driven by cloud

## Case Studies

### Comprehensive Security Assessment for a Leading German Luxury Car Manufacturer

APAC | Manufacturing

### [Microsoft Sentinel for an end-to-end Mining Solutions, Aviation & Supply Chain Technology provider](#)

APAC | Manufacturing

### [Improved Efficiency by Modernizing Web Application for L&T Defence](#)

India | Defence & Intelligence





# Business Applications

Adapt and innovate with the Dynamics 365 portfolio of business applications that empowers your organization to deliver operational excellence and delight every customer.



# Business Applications

## Co-sell solutions with Microsoft

### Sales & CRM

Manage customer relationships, close deals, and boost sales revenue

### Services Management

Streamline support, simplify processes & improves customer experiences

### Integrated Marketing

Find & nurture right leads, connected customer experiences & strengthen relationships

### Financial Management

Global, automate processes to maximize financial visibility and profitability

### Operations & SCM

Build resilience with an automated, intelligent, adaptable and agile supply chain

### Offline Mobile Application for a Non-Profit Organization

India | Non-Profit



# Our Renowned Clientele



KING MIZORAM



# Our Public Sector Clientele

## Central Ministries

Department of Higher Education  
Ministry of Education  
Government of India

Ministry of Education  
Government of India

रक्षा मंत्रालय  
MINISTRY OF DEFENCE

गृह मंत्रालय  
MINISTRY OF HOME AFFAIRS

नागर विमानन मंत्रालय  
MINISTRY OF CIVIL AVIATION

स्वास्थ्य एवं परिवार कल्याण मंत्रालय  
MINISTRY OF HEALTH & FAMILY WELFARE

स्वास्थ्य एवं परिवार कल्याण विभाग  
DEPARTMENT OF HEALTH & FAMILY WELFARE

GOVERNMENT OF INDIA  
MINISTRY OF POWER

Ministry of Electronics & Information Technology  
Government of India

पत्तन, पोत परिवहन और जलमार्ग मंत्रालय  
MINISTRY OF PORTS, SHIPPING AND WATERWAYS  
GOVERNMENT OF INDIA

Indian Railways  
Lifeline to the nation...

PMINDIA

## State Departments

Maharashtra Information Technology Corporation Limited  
(A GOVERNMENT OF MAHARASHTRA ENTERPRISE)

दूरसंचार विभाग  
DEPARTMENT OF TELECOMMUNICATIONS

Tripura State Portal  
Official Portal of Govt. of Tripura

ಮೆಟ್ರೋ  
metro

MP&DC  
INFOTECH ENGINE OF M.P.

GCA

## Public Sector Unit

प्रगत संगणन विकास केंद्र  
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

Digital India Corporation

G20

एसजेवीएन  
SJVN

राष्ट्रीय प्रौद्योगिकी संस्थान श्रीनगर  
National Institute of Technology Srinagar

भारत इलेक्ट्रॉनिक्स  
BHARAT ELECTRONICS  
QUALITY. TECHNOLOGY. INNOVATION

प्लाज़्मा अनुसंधान संस्थान  
Institute for Plasma Research

रा.इ.सू.प्रौ.सं  
NIELIT

nrcrtc

NIC  
एन आई सी  
National Informatics Centre

भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण  
पत्तन, पोत परिवहन और जलमार्ग मंत्रालय, भारत सरकार  
Inland Waterways Authority of India  
Ministry of Ports, Shipping and Waterways, Government of India

पावरग्रिड  
POWERGRID

INDIAN RAILWAYS

भारतीय प्रौद्योगिकी संस्थान

भारतीय प्रौद्योगिकी संस्थान



# Our MSP Clientele





[www.ifi.tech](http://www.ifi.tech)

[engage@ifi.tech](mailto:engage@ifi.tech)

**USA**

**IFI Techsolutions Inc.**  
651 N Broad St, Suite 206,  
New Castle, Middletown  
Delaware – 19709, US  
+1-332-456-0765

**UK**

**IFI Techsolutions Ltd.**  
Suite F,  
1-3 Canfield Place,  
London - NW6 3BT  
+44-1984-348324

**UAE**

**IFI Techsolutions FZ-LLC**  
Rakez Business Center,  
Ras Al Khaimah,  
UAE  
+971-557861193

**INDIA**

**IFI Techsolutions Pvt. Ltd.**  
1103-1104, Peninsula Park,  
Fun Republic Lane, Andheri (W),  
Mumbai – 400053, India  
+91-9924511122

**SINGAPORE**

**IFI Techsolutions Pvt. Ltd.**  
2 Venture Drive,  
#07-29 Vision Exchange,  
Singapore – 608526  
+91-9892756660

**AUSTRALIA**

**IFI Techsolutions Pty. Ltd.**  
3 St Anns Court,,  
Hoppers Crossing, VIC 3029,  
Melbourne  
+61-433-245-357

A person in a dark sweater and pants stands in a server room aisle, looking at a server rack. A blue cart with a laptop on top is positioned next to them. The room is filled with rows of server racks, and the lighting is dim with blue tones. The ceiling has a glass walkway structure.

# Infrastructure

Case Studies

## CASE STUDY

# Disaster Recovery for DOMS India

Customer  
**DOMS**

Industry  
**Manufacturing**

Country  
**India**

Organization Size  
**10,000+ employees**

Solution  
**Infrastructure**



## Situation

Client was looking for Disaster Recovery and robust solution for SAP workload at on premises DC, wanted to move to enterprise grade datacenter with secured and compliance as per industry standards. SAP being critical workload , wanted to host on scalable and available solution with Disaster recovery for Business continuity plan.

## Challenge

Current hardware on client DC was about to End of Life , and client doesn't want to invest as CAPEX.

Client wanted to reduce administrative overhead due to limited resources availability at client end.

As client's office located at single location Disaster recovery was challenge due to cost of setting up DR for current workload.

## Solution

Considering challenges of client , Azure Lift and shift was considered as client didn't want to go with re implementation for SAP workload .

We used ASR migration tool to replicate on premises and did final cutover with scheduled downtime.

Once moved to cloud IFI Techsolutions helped client to setup ASR with two different regions i.e. Central India (Prod) and South India (DR)

As all workload moved to Azure cloud EOL hardware discarded and saved on CAPEX investments.

# Datacenter Transformation for LTHC

Customer  
**LTHC**

Industry  
**Real Estate &  
Construction**

Country  
**India**

Organization Size  
**1000+ employees**

Solution  
**Infrastructure**



## Situation

With the client having different business verticals including offshore, onshore, construction services, modular fabrication and engineering services, client's vision was to move towards Hybrid Datacenter which is scalable and available with enterprise level security.. Microsoft on-boarded IFI Techsolutions to help LTHC to achieve this vision by adopting Azure Cloud Solutions

## Challenge

LTHC needed to stable and secured connectivity with redundancy to avoid business downtime.

Seamless and secured access to Primavera users who are connecting from external network

Every industry faces challenges with legacy application, LTHC has no exceptions, came across similar challenge, where one of there COTS application required to do Rehost which was on windows server. As re implementation was not possible due to efforts hours from multiple team involved and business was not willing to provide downtime.

## Solution

Landing zone deployed with Express route from TCS and Airtel to maintain ISP level redundancy, used as active – active to utilize all available bandwidth. LTHC identified 20 VMs out of which 2 VMs was considered as Lift and Shift, This was 2 tier application with Front end and Backend with Propriety code from Vendor based on Dotnet framework. Primavera application was moved as re implementation , as it was latency sensitive for external users AVD solution was proposed and deployed which worked seamlessly. AVD solution was suggested to avoid disruption due to bandwidth fluctuation for users who are login from external network. IFI Suggested to do lift and shift via Azure migrate tool, which helps to replicate VM on block level to Azure, and during off business hours ,final cutover performed. This helps to reduce efforts of re installing applications and its component along with integrations.

Azure File Share deployed with Private Endpoint to access and AD integration to maintain on premises AD authentication and to be accessed local secure network via EXPRESSROUTE.



## CASE STUDY

# Datacenter Migration for Hiranandani Financial Service

Customer  
**HFS**

Industry  
**Financial Service**

Country  
**India**

Organization Size  
**200+ employees**

Solution  
**Infrastructure**



## Situation

Being a fast-growing organization, their team wanted to move their environment of 10+ servers to Microsoft Azure with their customers in minimal downtime. Being customer-centric organization intended for maximum business availability to provide uninterrupted services to their end-users. Along with business availability, security was always a prime concern for them. We migrated their environment into Azure with downtime of less than 5 hours

## Challenge

Being an Organization with multiple vendors and business groups, it was not easy to coordinate with everyone and understand customer requirements. Also keeping the migration process seamless and with minimal downtime for users and IT team while ensuring each decided task completes within the set timelines as determined by their IT team.

## Solution

We did an in-depth analysis of their complete on-premise environment. After analysis we presented them with a Project plan and Azure Estimates based on the assessment. We created Identical new environment in Azure. For Installing the existing applications on Azure cloud, we installed software requirements, created databases (Mongo DB & MySQL) in Azure and restored on-premise database in Azure Databases. We also supported customer to Installation. Configured application Gateway with WAF for Web Hosting, also P2S across the board. Comprehensive testing was done on every VM in Azure & coordinated with teams across the company before their final migration. Considering their security concern, our 24\*7 Support team has configured Antimalware and Alerts on azure resources.

## CASE STUDY

# QBot – QnA Maker for Delhi University School of Open Learning

Customer

**Delhi University  
School of Open  
Learning**

Industry

**Education**

Country

**India**

Organization Size

**9999+ Students &  
Faculty**

Solution

**Infrastructure**



## Situation

Client required a chatbot that would interact with their students and tutors, send push notifications, and tag teachers when requested.

## Challenge

Different QnA Makers were required for different departments and their respective courses. The Manifest file for Teams Integration had to be manually uploaded. At various stages, custom deployment was required.

## Solution

We thoroughly examined the client's requirements in consideration with their application, which they wanted to set up in Qbot. We developed different QnA Makers for various departments and courses. QBot was integrated with Teams to make it possible for the students and teachers to interact. The Client was given a Solution Document and a Demo to assist them in comprehending the QBot service.

## Business Benefit

Assist in answering student questions to increase collaboration with both tutors and other students.

QBot can learn and answer complex questions on behalf of tutors, saving tutors time and resulting in a quick solution for students.

## CASE STUDY

# Automated Database Migration to SQL Azure for a Software Company in US

Customer

**Question Mark**

Industry

**Information  
Technology**

Country

**USA**

Organization Size

**50-999 employees**

Solution

**Infrastructure**

**question  
mark**

## Situation

Client had multiple datacenters in USA and Europe with massive number of databases that they wanted to bring to Azure over the Azure Elastic Pool to save cost. They wanted an efficient way of migrating these databases to Azure with a few clicks and minimal amount of downtime. We were able to migrate 1000+ databases to Azure in a fully automated solution. This project had the highest amount of visibility within the Microsoft product team and resources were committed to ensure project is a big success.

## Challenge

Due to clients large no. of databases residing in 2 different regions (USA and Europe) ranging close to 500-600 databases in each region, a manual approach to migration would have been a recipe for disaster. It was important to have an automated solution with various number of PowerShell scripts utilizing multiple Azure services. This solution should be able to create databases, migrate schemas to destination databases and then perform actual migration for 100s databases at a time.

## Solution

We assigned a team of certified Azure experts who did a deep analysis in 14 days to understand the environment and requirements. Azure DMS offline and online service made it possible to migrate on-premise data to Azure Managed Instance and Azure SQL Database. Our team built a PowerShell script which works in 5 simple steps for offline and online migration. This involved creating databases as an exact number which are there at source schema deployment to destination, setting up migration and building the DMS activities to migrate 10 databases in each activity. We worked closely with Microsoft product team in Seattle to come up with the plan to migrate all the databases within a short downtime-period requested by the client for minimal business impact.

## CASE STUDY

# AWS to Azure Application Migration for Brandtouch, a Marketing Analytics Firm in India

Customer

**Brandtouch**

Industry

**Information  
Technology**

Country

**India**

Organization Size

**50+ employees**

Solution

**Infrastructure**



## Situation

Customer was in AWS and was looking for an efficient way to migrate their applications from AWS to Azure. Easy deployment and setup of Azure App Service was the key driver. With help from our Azure experts, they reduced overall efforts spent on Cloud resources management and administration. After reviewing the client's existing environment our team created a plan for migrating their existing applications to Azure App Service. With the help of Azure DevOps the client can automate their deployments to the Azure environment with CI/CD pipelines.

## Challenge

Client was doing manual deployments of their application which was consuming efforts. They did not have staging environments to test out working of application. We wanted to keep migration process seamless with minimal downtime for users and IT team, while making sure that each phase completes within the set timeline to avoid impact on ongoing project.

## Solution

Our team assessed and analyzed the client's existing AWS environment. After assessment, we built and implemented a plan to migrate to App Service and modernize deployment. Migrated the Client's repositories from Bitbucket to Azure Repos. Once the repos had been migrated, we helped set up branching and implemented branch security and policies. This setup is implemented, so that developers had access to correct project and could not make direct changes to the master branch without creating a pull request. Also set up a CI/CD strategy to automate deployments to Azure Web Apps. With the help of Azure DevOps the client is now able to find and fix bugs faster and quick deployment without compromising security and quality.



CASE STUDY

# AWS to Azure Migration for Gizmofish, Information Technology company based in US

Customer

**Gizmofish**

Industry

**Information  
Technology**

Country

**United States**

Organization Size

**2-10 employees**

Solution

**Infrastructure**

**GizmoFish**

## Situation

Gizmofish had environment in AWS, also they had infrastructure in Azure. Client also running their SQL server, remote desktop server, Domain controller server and Application server in AWS. They are looking to centralize their environment in Azure due to compatibility in Azure for Windows and SQL Server environments.

## Challenge

Monitoring, Administration, Backups and Disaster recovery is a challenge in AWS. Cost of Windows machines was higher in AWS comparative to Azure. Skilling in multiple cloud vendor was another challenge for small IT team.

## Solution

We migrated all their server from AWS to Azure and migrated client's VPN tunnel into Azure. We utilized Azure VPN gateway to remove Third party solution and instead used Azure native capabilities to achieve cost reduction. Also, Gizmofish were able to achieve the DR and backup at much lower cost as what they are paying in AWS.

## CASE STUDY

# Datacenter Transformation for an Education ISV in US

Customer

**Regent Education**

Industry

**Education**

Country

**USA**

Organization Size

**50-999 employees**

Solution

**Infrastructure**



## Situation

Being a fast-growing organization, they wanted to move their vast on-premise environment of more than 80+ servers to Microsoft Azure along with their broad range of customers with minimal downtime. They selected us because they wanted an experienced partner to guide them in Azure best practices and help them migrate seamlessly. We migrated all their servers from on-premise to Azure in just 600+ hours with a downtime of about 8 hours only.

## Challenge

Being a global organization with multiple teams, business groups and their scattered customers, it was difficult coordinating with everyone and understanding their and their customers' requirements. Also, keeping the migration process seamless with minimum downtime for users and IT teams, while making sure that each phase completes within the set timeline to avoid impact to ongoing projects

## Solution

We did an in-depth analysis of client's complete on-premise infrastructure, networking, dependencies between system and built an architecture that would resolve all access, security, isolation and performance challenges. We utilized the Azure Site Recovery (ASR) for migrating a mix of VMware, Hyper-V and Physical VMs both Windows & Linux from their on-premise datacenter. A comprehensive testing was done on every VM in Azure & coordinated with teams across the company, before their final migration and all known issues were resolved for a seamless migration experience. Legacy systems were upgraded to latest Windows Server & SQL versions along with troubleshooting all compatibility issues.

## CASE STUDY

# Terraform Infrastructure-As-A-Code (IaC) for an E-Commerce Solution Provider in US

Customer

**OVC**

Industry

**Information  
Technology**

Country

**USA**

Organization Size

**50-999 employees**

Solution

**Infrastructure**



## Situation

Client had multiple datacenters in USA and Europe with massive number of databases that they wanted to bring to Azure over the Azure Elastic Pool to save cost. They wanted an efficient way of migrating these databases to Azure with a few clicks and minimal amount of downtime. We were able to migrate 1000+ databases to Azure in a fully automated solution. This project had the highest amount of visibility within the Microsoft product team and resources were committed to ensure project is a big success.

## Challenge

Due to clients large no. of databases residing in 2 different regions (USA and Europe) ranging close to 500-600 databases in each region, a manual approach to migration would have been a recipe for disaster. It was important to have an automated solution with various number of PowerShell scripts utilising multiple Azure services. This solution should be able to create databases, migrate schemas to destination databases and then perform actual migration for 100s databases at a time.

## Solution

We assigned a team of certified Azure experts who did a deep analysis in 14 days to understand the environment and requirements. Azure DMS offline and online service made it possible to migrate on-premise data to Azure Managed Instance and Azure SQL Database. Our team built a PowerShell script which works in 5 simple steps for offline and online migration. This involved creating databases as an exact number which are there at source schema deployment to destination, setting up migration and building the DMS activities to migrate 10 databases in each activity. We worked closely with Microsoft product team in Seattle to come up with the plan to migrate all the databases within a short downtime-period requested by the client for minimal business impact.



# Digital & App Innovation

Case Studies



## CASE STUDY

# Modern Applications for L&T Hydrocarbon, World's Largest Hydrocarbon Engineering Company

Customer  
**LTHC**

Industry  
**Real Estate & Construction**

Country  
**India**

Organization Size  
**10000+ employees**

Solution  
**Digital & App Innovation**



## Situation

With the client having different business verticals including offshore, onshore, construction services, and engineering services they wanted to create a hybrid environment. After reviewing the client's environment, our Azure experts created a plan for migrating their on-premises applications to Azure App Service and on-premises database to Azure SQL Managed Instance. By Azure ExpressRoute, client was able to extend on-premises network connectivity to PaaS services over a private connection. 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 Legacy application code 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. 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 helped the customer to set up the hybrid environment by 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 also helped customer on setting up CI/CD and code management using Azure DevOps. Additional infrastructure administration overhead was reduced.

## CASE STUDY

# Web Application & SQL Modernization for r-pac, a Leading Global Merchandiser

Customer

r-pac

Industry

Manufacturing

Country

USA

Organization Size

1000+ employees

Solution

Digital & App Innovation



## Situation

Company had their IT infrastructure in Microsoft Azure, and they needed industry experts for a solution to improve the availability and performance of application hosted in Azure IaaS-based environment. They also required a solution to monitor the performance, failures and live telemetry generated by the application. After reviewing the client's environment, our Azure experts decided and created a plan for migrating their existing applications to Azure App Service and Azure SQL Database. With the help of Azure Application Insights, the client was able to monitor the application. With Azure DevOps, the customer was able to automate the deployment which was manual initially.

## Challenge

Customer's application and database was hosted and configured on Virtual Machine in Azure. They had no mechanism set up to monitor the application performance or capture the telemetry. Client was deploying the application manually which was time consuming. Changes made to the application took longer time due to manual deployment process. Administration of Virtual Machines was overhead as the application was hosted using IaaS environment

## Solution

Our team helped them in creating and configuring Azure App Services to host the Web App and Web API, integrating monitoring mechanism by instrumenting Azure Application Insights with Azure App Service and, helped customer to migrate to Azure SQL Database. The application availability and resiliency were improved through Azure App Service and Azure SQL Database. We helped customer on setting up CI/CD and code management using Azure DevOps. With the help of Azure DevOps, customer can reduce the deployment time. Additional infrastructure administration overhead was reduced. Also, we can leverage elasticity of Azure App Service.

## CASE STUDY

# Sales & Intelligence System for a Fortune 50 Enterprise

Customer

**Mahindra**

Industry

**Manufacturing**

Country

**India**

Organization Size

**1000+ employees**

Solution

**Digital & App Innovation**



## Situation

Company was looking for a solution to build an Android and IOS application which can be used by employees and Consumers spread worldwide around in multiple locations. They wanted Company's Sales manager and Regional manager to have a track on the day-to-day deliverables and activity for the coming days. Our team of Azure Experts helped them with their (Connected Farm Platform) to increase the conversion ratio on Farmer's enquiries by facilitating sales team with better conversation and personalized offerings to farmers.

## Challenge

A multinational company was performing manual deployment and Scaling of resources which was consuming unnecessary efforts. They didn't had mechanism set up to monitor the application performance or capture the telemetry. During the Incremental data load process, the data load pipeline was failing with error of bulk load in data factory. Finding the Customer de-duplication, created and execution of data brick scripts to understand logic and solving error for enquiries of customer.

## Solution

We assigned an expert team to plan the entire architecture in Azure. After evaluating the environment, we documented all requirements in a creative business-savvy, technically secure, and financially pleasing manner. Helped them for automating all the Azure resource creation/Configuration and automating of storing all the connection string, keys, passwords of the resources in the Key vault for all modules in the DevOps environment. Autoscaling has been set up for all the resources. Also, set up the application insight to find out the exception and the web app is monitored and sends the telemetry data to the insight portal, allowing to look at the performance logs.

## CASE STUDY

# Azure DevOps & Automation for L&T Hydrocarbon

Customer

**LTHC**

Industry

**Real Estate &  
Construction**

Country

**India**

Organization Size

**1000+ employees**

Solution

**Digital & App Innovation**



## Situation

With the client having different business verticals including offshore, onshore, construction services, modular fabrication and engineering services they wanted to modernize their way of development. They wanted an efficient way to streamline their deployments and bring their internal applications to production faster. Microsoft on-boarded IFI Techsolutions to help them bring DevOps practices into daily development and adopt Azure.

## Challenge

Due to the client's large no. of employees their current infrastructure was fully on-premises, they wanted to modernize their existing infrastructure and applications. Also, the technology being used for Development like the version controlling and way of deployments had become outdated. We helped them take their development to a modernized approach by implementing simple but effective practices to streamline development.

## Solution

We assigned a team of experts to assess and analyze the client's existing environment. Using the data collected we were able to build and implement a plan to modernize development. We helped the customers to streamline their development process with Azure DevOps. We were able to implement DevOps strategies including branching, CI/CD pipelines, etc. into their environment and move their applications to Azure WebApps. We were able to optimize deployments to have a faster time for production. The client team was able to reap the benefits of DevOps by implementing these services and practices into their organization.

## CASE STUDY

# Modernization of CMS Application for L&T Realty, Real Estate Development Company in India

Customer

LTR

Industry

Real Estate &  
Construction

Country

India

Organization Size

50-999 employees

Solution

Digital & App Innovation



## Situation

Being a Customer centric organization, the team had to intend for the endless business continuity to be able to provide uninterrupted services to end-users. Hence, they were looking for a solution to increase performance of the existing website that was hosted on IaaS.

They required the WordPress application to have an increased availability as well. Performance was a key. After assessing the client's application and database our Azure experts decided to migrate the application to PaaS service.

## Challenge

The WordPress website was taking a very long time to load up leading to several performance issues. There was no autoscaling or alerts available to warn the customer about high memory utilizations. Cost was going up every month to run the application on IaaS. Additional efforts for infrastructure management and administration

## Solution

We assigned a team of experts to assess and analyze the client's existing environment. Using the data collected we were able to build and implement a plan to modernize development. We helped the customers to streamline their development process with Azure DevOps. We were able to implement DevOps strategies including branching, CI/CD pipelines, etc. into their environment and move their applications to Azure WebApps. We were able to optimize deployments to have faster time to production.

The client team was able to reap the benefits of DevOps by implementing these services and practices into their organization.

## CASE STUDY

# Web Application & SQL Modernization for Co-aspect, start-up in India

Customer

**Co-aspect**

Industry

**Information  
Technology**

Country

**India**

Organization Size

**2-50 employees**

Solution

**Digital & App Innovation**



## Situation

Being a growing preconstruction platform, our customer wanted to start their Cloud journey with Microsoft Azure. After detailed assessment of their requirements and application our Azure experts suggested to deploy VMs to run their Web API and Web Application.

## Challenge

Customer was looking to reduce the cost, administration overhead of the Virtual Machines, elasticity was big challenge since VMs do not scale. Customer could not leverage Cloud scalability due to the architecture and service limitation which forced them for multiple downtime. Another big challenge was Database server which was having predictable spikes but due to the architecture they could not scale on schedule basis.

## Solution

We re-architected the application system to leverage Azure capability with Azure App Service and Azure SQL Database. Azure API Apps helped customer to host and run APIs at scale for Website and Mobile app while Azure Web Apps helped them run frontend. Autoscaling capability reduced downtime to near zero while Azure SQL Database allowed to scale on the fly without any downtime

## CASE STUDY

# Smart Building Application Optimization using Azure IoT Hub for L&T Realty



Customer

LTR

Industry

Real Estate &  
Construction

Country

India

Organization Size

10000+ employees

Solution

Digital & App Innovation



## Situation

The client has their Smart Building Application developed with the help of Internet of Things (IoT) Technology for various smart solutions. The smart application integrates all sub-systems of Buildings which are required for building operations such as Energy System, HVAC System, Lighting Systems, Safety & Security Systems, UPS, etc. This building will have multiple smart systems such as Smart Parking, Smart Cafeteria, Indoor Navigation, Smart Meeting, Smart Office, Digital Signage, Air Quality Management, Visitor Management System, Smart Toilets, GPS based Fleet Management & Energy Management system. This system will enhance UX Experience, Improve Productivity and Opex cost optimization.

## Challenge

The organization, possessing its workloads in the Azure IoT cloud, encountered different challenges while in the development phase of the project. Following are the most critical challenges that were faced: There was no real-time visibility of data for the client & the end-customer to track & monitor measurement & control data. Security was another main concern for the data transitions from one smart device to another. Electricity load management was a major point of concern since the building was equipped heavily with high-quality sensors and devices that keep utilizing the electric energy.

## Solution

IFI's certified consultants analyzed the smart building application and its integration with Azure and after calculating all the possibilities came to the following solutions: The IoT platform supports a robust data management system architecture to handle enormous volume of data coming-in from connected end devices. Using an IoT Hub provided better security in comparison to an on-premises version and enabled reliable secure bidirectional communication among different smart devices. The data that is collected on the daily basis through IoT Hub was analyzed for different devices and energy consumption was calculated.

## CASE STUDY

# Application Modernization with Containers & Kubernetes for a Retail Customer in US

Customer

**Opal Labs**

Industry

**Retail &  
Consumer Goods**

Country

**USA**

Organization Size

**50-999 employees**

Solution

**Digital & App Innovation**



## Situation

Clients' Digital Store Platform allows the exchange of store information across the enterprise to impact sales, business operations and customer experience positively. One of their key retail customers had their cloud environment in Amazon Web Services (AWS) and weren't comfortable having this critical data on servers hosted with a key retail competitor (Amazon) so we on-boarded them to adopt Azure through a seamless transition and for a more integrated experience..

## Challenge

Being a large organization who built their key product native to AWS but when a key customer would no longer agree to host their data on AWS servers, our client needed to migrate their current solutions while maintaining a multi-cloud strategy. They needed a solution which would be equally cost-effective, secure and easy to use while managing multiple environments for several customers. They also wanted to go cloud agnostic without impacting their existing solutions, system and infrastructure while maintaining their automated deployment capabilities.

## Solution

With the team of our certified experts, we did a complete analysis of their AWS environment and their existing automation strategy. To continue enhancing their IAAS requirement along with their multi-cloud strategy requirement, we chose to use Terraform on Azure. Our team created a replica of their existing architecture in Azure and mapped native AWS services to respective services on Azure in a cloud agnostic manner. The Terraform templates streamlined their deployments on Azure and other cloud environments while we also helped the customer's development team to integrate with a few Azure services like authentication, logging etc. Being a business-critical application for the retail industry we also implemented a robust security, high-availability, and disaster recovery strategy.



# Data & AI

Case Studies



## CASE STUDY

# PowerBI Dashboard Solution for Gulf Oil

Customer  
**Gulf Oil**

Industry  
**Energy, Oil & Gas**

Country  
**India**

Organization Size  
**1000+ employees**

Solution  
**Data & AI**



## Situation

Being a fastest growing lubricant player by consistently outperforming the industry growth rate they needed a feasible, economic BI tool with report automation, incremental refresh, and many other visual features. A cost-effective Power BI dashboard solution that can pull data from multiple data sources, maintain business logic, is user friendly and outperforms other reporting solutions in its look and feel was implemented.

## Challenge

Client being a leading oil manufacturing company, their executives were required to view year over year analysis of their oil products but required extensive importing of data for last 3-4 years and upcoming predictions in a reporting solution. Client maintained a lot of information in separate spreadsheets that had to be manually loaded in the system and the report being built using multiple sources led to not only waste of time and effort but also delayed decision making and was non-intuitive for executive consumption. They wanted to automate this behavior since loading the spreadsheets in system requires multiple decisions and efforts.

## Solution

We assigned a team of expert Power BI consultants and engineers that worked on-site at client location and built 3 critical reports and 20 business reports. Critical reports were built within 20 working days that included requirement gathering, understanding the process with their business team, IT team, data team and SAP vendor team to extract data from SAP Business Warehouse. Microsoft Power BI provides 'n' number of features like incremental refresh, drill-up and drill-down, automation, natural language Q&A, custom visualizations.

## CASE STUDY

# On-Premise to Azure Database Sync Mechanism for an Insurance Company in US

Customer  
**Ohio**

Industry  
**Financial Services**

Country  
**USA**

Organization Size  
**50-999 employees**

Solution  
**Data & AI**



## Situation

Client had multiple production databases on-premise which they require to move to Azure Datawarehouse, in that way they can build their daily reports on the live data using the Alteryx designer tool, since they had vast number of transactions happening on the on-premise, they needed a source that can handle these transactions on daily basis and can be performant in order to build various production related reports.

## Challenge

The challenge was to schedule a daily movement of data from on-premise to Azure SQL Datawarehouse so that all transactions remains at the destination and completely sync. They have 5 databases of size of at least 400gb each. They also need an automation process to start and pause Azure SQL Datawarehouse. Analysis of 5 database with 300 tables each and provide them migration plan was set to be completed in 10 working days..

## Solution

We assigned a group of Azure Experts and did deep analysis, understand the environment and requirements. We used Azure Data Factory v1 to connect to on premise database, we used another windows server at the same network to install data gateway in order to solve connection issues. Building incremental load pipelines to move data daily according to dates. Building json scripts to move the data daily as an incremental copy. Automated Azure Datawarehouse using automation account to start/stop at certain. Our team completed the challenge in 5 working days, which consisted out designing a flow using .JSON scripts and schedule the pipelines that needed to be run daily.

## CASE STUDY

# Datawarehouse Migration for a Leading Healthcare Company in US

Customer

**Jvion**

Industry

**Information  
Technology**

Country

**USA**

Organization Size

**1000+ employees**

Solution

**Data & AI**

**jvion**

## Situation

Migrating AWS Redshift to Azure SQL Data Warehouse. Azure SQL Data Warehouse has a pause and start function, is a high performance, lower-cost solution with an ability to scale and compute storage, less time is involved in installation and maintenance, includes various demographics tables and could run some queries in order to extract patient's information.

## Challenge

Migrating from AWS Redshift to Azure SQL Datawarehouse. Also, migrating queries from AWS Redshift environment to Azure SQL Datawarehouse environment.

## Solution

We used PolyBase which uses T-SQL to join data which will help to move data from AWS Redshift to Azure SQL Datawarehouse. We moved data into the internal table and used PolyBase to run queries on external table, we performed migration using different customer designed queries.



# Modern Work

Case Studies

## CASE STUDY

# Azure WVD with Dedicated Host for HPC Stimulator for L&T Power

Customer  
**LTP**

Industry  
**Energy, Oil & Gas**

Country  
**India**

Organization Size  
**100+ employees**

Solution  
**Modern Work**



## Situation

For a high voltage plants with large KW and KVA rated equipment's, automation of controlling the power system via instrumentation and control devices is necessary. This can be done using data from intelligent electronic devices (IED), control and automation capabilities within the power sector, and control commands from remote users to control power-system devices. They have developed a software to host on machines where these trainees can handle it remotely. Goal of the organization was to achieve a compatible operation to work on Azure where they can provide a solution for achieving concurrent executions and allowing their trainees to leverage on Multisession environment with additional securities.

## Challenge

Leveraging a heavy application with concurrent execution was the biggest challenge as it required very high throughput and high IOPS. They needed a solution where their trainees can perform multisession seamlessly. The owners wanted to provide remote access to their trainees for leveraging that application from remote locations and they wanted to be implemented within a secure environment. Thus, making sure the availability of application to the trainees irrespective of their location.

## Solution

We did an in-depth analysis for the environment & recommended deployment of WVD for their application. WVD integrated easily with the existing business environment which allowed to access the application remotely and supports concurrent access of application. Now, the users access the application via WVD over the internet and users are authenticated with their credentials and MFA which enhanced the security level of application at stage of authentication. WVD is very easy to Scale up and down as per business requirements. The Simulate power software was used to provide Graphic intensive application which was required for Modelling of instruments. We integrated the WVD solution with the same for providing seamless application access to the trainees.

CASE STUDY

# Virtual Desktop & App Virtualization for L&T Infotech

Customer

LTI

Industry

Information  
Technology

Country

India

Organization Size

1000+ employees

Solution

Modern Work



## Situation

Company had their IT infrastructure in Microsoft Azure, and they needed industry experts to help them implement Windows Virtual Desktop while maintaining the security and compliance mandated by their customers. This was done for around 4000 users on 400 VMs in a very short time span of 5 days because of lockdown imposed due to COVID-19 pandemic. We were selected as a partner given the immediate availability of our certified experts and our experience in implementing Azure Windows Virtual Desktop (WVD) solutions.

## Challenge

One of the biggest enterprises in India, had to declare work from home for its employees due to the lockdown imposed by Covid-19 outbreak. These employees were working as consultants on various global projects and critical to minimize impact on their customers. Lockdown was announced at a very short notice leaving no time for any assessment or a Proof of Concept. The challenge was to get the Azure Windows Virtual Desktop environment up and running for its employees within a very short period as organization's employees needed to access their corporate resources from their home.

## Solution

Given the urgency of situation, we put together a team of 5 consultants led by an architect in partnership with Microsoft account team. Following a thorough evaluation process, including extensive reviews of key stakeholders, we documented creative, business, technical, security and financial requirements. From gathering requirements to designing a Solution Architecture, we setup a new WVD environment and onboard users to it. As the solution got approved from Client's stakeholders, consultants from our team started to implement WVD for nearly 4000 users on 400 Virtual Machines. We used existing identity infrastructure to streamline access for the users. We implemented WVD with the existing compliance, security, and governance. Security, governance & compliance was challenge. Also, we ensured that the environment is compliant according to Client's policies.

CASE STUDY

# Virtual Desktop & App Virtualization for GMS Leadership, a Leading Maritime Company in UAE

Customer

**GMS**

Industry

**Maritime**

Country

**UAE**

Organization Size

**100+ employees**

Solution

**Modern Work**



## Situation

They had aging servers and outdated software running in their on-premises environment along with a VDI solution. Eventually the lack of upgrades led to them facing security breaches, frequent downtimes and poor performance in their on-premises environment. They started to look for migration options in the cloud to save on CapEX costs. After evaluating the cloud options, they felt inclined to select Microsoft Azure because of its high availability, dynamic scalability, top-notch security, cost optimization options, integration of Windows services and the option to utilize Windows Virtual Desktop as a VDI solution.

## Challenge

Being a global organization with multiple teams, business groups and their scattered customers, it was difficult coordinating with everyone and understanding their and their customers' requirements. They wanted their own Azure environment to be secure to avoid any security vulnerabilities. They wanted to make use of the highly available, redundant & scalable capabilities of Azure. Disaster Recovery was something they felt needed to be implemented so that they can quickly resume their mission-critical operations in case of a disaster. Also, ability to perform Disaster Recovery drills to ensure Business Continuity during a disaster.

## Solution

Our team of experts reached out to us to help them migrate their on-premises environment to Azure as per the best practices. We began by first analyzing their on-premises environment to avoid any migration issues. Based on the migration plan, we were able to migrate their entire on-premises infrastructure to Azure and, modernize their VDI by implementing Windows Virtual Desktop. We used Azure Site Recovery to setup a quick and fluid Disaster Recovery Plan. Azure Security Center was able to fulfill the security requirements of GMS.



## CASE STUDY

# Windows Virtual Desktop for Intermiles



Customer

**Intermiles**

Industry

**Travel & Tourism**

Country

**India**

Organization Size

**50-999 employees**

Solution

**Modern Work**

**intermiles**

## Situation

The objective of this project is to build WVD infrastructure that allow users to use the intranet business applications through secure virtual desktop, hybrid connectivity is established on the on-premises end which leads the connectivity to the applications. We have configured the Virtual Network Gateway which contains multiple tunnels to connect to the multiple locations. From the security standpoint this is much more compliant and secure as compared to the VPN as we have control over the domain policies and network platform.

## Challenge

Users are unable to connect to the applications and internal sites through personal assets. They are unable to provide the same configuration to access the applications and to the sites. Due to lockdown, employees could not get access organization's applications running on-premises. Application cannot be made available over the Internet due security reasons. On-premises applications were running multiple offices and only available through private network.

## Solution

We have configured the VPN Network Gateway having four Site to site tunnels to connect to the on-premises sites from Azure. We have implemented the WVD to connect to their sites and applications through the tunnel connections. With WVD (Virtual Desktop), Intermiles were able provide remote access of the intranet applications over the Internet while keeping application and databases on-premises. Intermiles were quickly able to scale environment for 30+ employees working remotely. Users were able use the resources from their personal assets.

V S M



03:21:31

03:19:51

03:18:12

03:16:32

03:14:53

03:13:13



03 03 28

03 03 43

Pause : 03:03 36 03:03 :



# Security

Case Studies



13490088988.600000

## CASE STUDY

# Comprehensive security assessment for a leading German luxury car maker

Customer  
**BMW**

Industry  
**Manufacturing**

Country  
**Germany**

Organization Size  
**1000+ employees**

Solution  
**Security**



## Situation

As the Company has diversified business verticals, they maintain a very stringent IT security guideline. For a new project, they had planned to host a part of their Dynamics solution on Azure with internet facing service and hence wanted a team of security experts to review and make it conform to their policies. Our team did an in-depth review of their requirements, considering their complexity and global scale we recommended solutions and after detailed discussions with client's security team the same were implemented.

## Challenge


Our team of highly experienced and certified Azure Infrastructure & Security experts conducted an in-depth analysis of the security guidelines, client's Azure environment and addressed various aspects with a detailed security framework. We implemented the same to improve the security posture of the environment and make it comply to required policies using NSG, Firewall, Security Centre, Traffic manager, encryption, MFA, Azure Monitor etc. that would protect and secure the environment from an external or internal attack while not interfering with any existing company environment.

## Solution

Contouring the 360° perspectives, the team recommended performance & cost optimisations along with best practices to orchestrate the benefits of Flexibility, High Availability and Disaster Recovery that cloud offers. It also helped organize their Azure Environment for the hassle-free management of the workloads.

## CASE STUDY

# Microsoft Sentinel for an end-to-end Mining Solutions, Aviation & Supply Chain Technology provider.

Customer	Industry	Country	Organization Size	Solution	
CBMM	Manufacturing	Singapore	240+ employees	Security	

## Situation

CBMM was experiencing security breaches in one of their environments and wanted to identify the issue at an early stage. They wanted to establish security benchmarks for the entire environment by ensuring that the complaint is maintained throughout.

## Challenge

As the company is a combination of multiple business entities operating in entirely different industries, they wanted to ensure Security and Compliance baselines were defined as per best practices and, that these baselines were enforced across all entities. This meant reviewing and optimizing their existing IT Infrastructure, Development Processes, and Business Processes. They also wanted relevant documentation for every internal process.

## Solution

Our team of Security Experts conducted an in-depth analysis and review of their entire stack of IT infrastructure, operations, and processes. Based on this research, they decided on a list of action items that would improve the overall security posture of CBMM. This included configuring key security services like Microsoft Defender for Cloud, Microsoft Defender for Endpoints, and Microsoft Sentinel. Along with this, we also implemented best practices for Governance by defining multiple initiatives for Azure Policy. To protect identities, we set up Privileged Identity Management, Identity Protection, and Conditional Access for Azure AD. We re-designed their GitHub Actions Pipelines and Terraform modules to include more security testing tools, to adhere to DevSecOps principles. Lastly, we built detailed documents for every recommendation and change that we made in their environment.

## Business Benefit

CBMM managed to increase its overall Cloud Security Posture, which has made them more resistant to security threats and breaches. As they adopted a DevSecOps culture, they have been able to detect security vulnerabilities much earlier in their software development lifecycle.

## CASE STUDY

# Improved Efficiency by Modernizing Web Application for L&T Defence



Customer  
**L&T Defence**

Industry  
**Defence & Intelligence**

Country  
**Germany**

Organization Size  
**1000+ employees**

Solution  
**Security**



## Situation

We leveraged Azure Web Application Services to address our client's requirement. The flexibility of Azure to customize the platform with Linux as an operating system allowed us to carry out few proofs of concepts which gave our client assurance that the Azure platform is something that they can grow their Web Application on, with assurance in performance & security. We gave our client a walkthrough to adopt different frameworks & development stacks irrespective of the original build operating system platform. We have showcased this by migrating the on-premises Windows platform to Azure WebApp services hosted on the Linux platform. We also made use of the repositories which helped in performance enhancement.

## Challenge

L&T Defence had an internal web application that was built using Django as a web framework and python as a programming language. This web application would use its customized API's which would reach out to all external & internal website which had all defence-related updates published. This was built internally using python and keeping in mind on-premises as an infrastructure. Managing a considerable infrastructure for a Web Application that was more process & service-oriented was leading to investment in infrastructure & other relevant resources. Our solution accommodated & addressed concerns regarding Scalability, Security, Compute Performance, Integration with Other Services, Network Throughput, etc.

## Solution

We migrated from On-Premises to Azure WebApp Services with continuous addition of relevant packages which would enhance the performance of the Web Application on the cloud. There were challenges with the performance which we dealt with seamlessly and ensured that the GUI or the front end of the Web Application was not compromised. This gave the need for the application owners to further explore other Azure Platform-based services which could be of value add to the Defence hence increasing the usage and demand of other services. We have used various compatible Linux packages to customize & fine-tune WebApp services to optimize the performance of the application. We have in addition leveraged WAF to ensure that we secure the web application & its API processes.

## CASE STUDY

# Business Continuity (BCDR) for a construction Software Company in US

Customer

**Pantera Global  
Technology**

Industry

**Real Estate &  
Construction**

Country

**Germany**

Organization Size

**50-999 employees**

Solution

**Security**



## Situation

Being a prominent technology-centric organization, the team had to intend for the endless business continuity to be able to provide uninterrupted services to the end-user. Be it the occurrence of natural calamities or the Planned Maintenance of the Servers, the unavailability of the Service may deteriorate the business value.

## Challenge

The organization, possessing their workloads in Azure cloud, encountered an immense Disaster-hit to their vital Business Services. The end-users using the Software Service faced improper functioning and were perplexed. The interruption in Customer Services drove to wounding the successful business, as the system failed to operate as expected.

## Solution

To rapidly tackle the outage, our team of certified Azure Consultants helped them reacquire the Services and strategize the Environment to function properly. The Azure 24\*7 Expert Team engaged in the activity to replicate the disrupted Servers with the latest RTO and RPO, to assure higher availability. Within the juncture of an hour, the Team managed to rescue the disrupted Services and helped the Organization to pursue Business Servicing.



# Business Applications

Case Studies

