



# Transform your cloud journey with Tech Mahindra

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## Overview

As part of CloudNXT.NOW, Tech Mahindra is focused on driving innovation with customized solutions to cater the unique needs of customers globally. Tech Mahindra's deep industry expertise and proven solutions that focus on seamless modernization of infrastructure, applications, and data to the cloud, combined with the power of Google Cloud helps accelerate the Cloud transformation journey for enterprises as they move towards a digital-first future. Tech Mahindra's dedicated Google Cloud business unit and Google Cloud Centre of Excellence is focused on leveraging Google Cloud Edge technology, 5G and securely managing network centric solutions and application modernization with Google Cloud Anthos for different customers. Tech Mahindra is also helping clients build contact centers with high value digital experiences using conversational artificial intelligence (AI) and empower customer support to provide quick resolutions.

## Google Practice Highlights

As Google Cloud Premier Partner, Tech Mahindra is committed to helping clients realize the benefits of Google Cloud and drive innovation. Our cloud solutions combined with the power of Google Cloud platform is the right choice for enterprises looking to move up the digital transformation journey.



Global SI and Premier Partner for Google Cloud



Expand Operations by Opening New Delivery Centre in Mexico



300+ Professionally Certified Google Cloud Architects including Anthos.



Dedicated Center of Excellence Focused on Developing Differentiated Solutions on Google Cloud



1000+ Trained Engineers on Google Cloud Technologies



Market Leader in Large Scale End-to-End Digital Transformation



Investments through Google Center of Excellence in India



Multi-industry Scalable Solutions Built on Google Cloud Suit of products



Capabilities to Support All Phases of the Cloud Journey – from Cloud Assessment, Planning, Migration and Modernizing Applications

New Acquisitions;



- DigitalOnUS for Cloud Native engineering services
- Brainscale for cloud strategy, roadmap, and consulting



3600 Strategic partnerships with Google – Services Engagements, Joint GTM partnerships, Co-development

## Google Badges



## Key Offerings



### Infrastructure Modernization

- Data Centre Transformation to GCP
- Hybrid/Multi-cloud Platform Engineering
- Application Migration to GCP



### Application Modernization

- Legacy Transformation
- Greenfield App Development
- Apps Integration
- Hybrid/Multi-cloud Apps/ SRE



### Data Modernization

- Big Data Analytics
- Data Warehousing and Business intelligence
- AI and ML
- Streaming Analytics



### SAP Transformation

- DC Modernization
- S/4 HANA Transformation
- Merges, Acquisitions, and Divestiture
- Migration/Transformation Roadmap
- Functional and Non-Functional Requirements



### Apigee Practice

- APIGEE Sense for Security
- Google Anthos for Environment Management
- Advanced API Ops for Monitoring
- APIGEE Compass for benchmarking API based transformation



### GCP Operations

- Monitoring of Cloud Environment
- Resource Lifecycle Management
- SLA-based Support and Resolutions
- Continuous Cost Optimization



### Cloud Security

- Advisory Services
- Cloud Workload Protection Platform Services (CWPP)
- Cloud Security Posture Management Services (CSPM)
- Cloud Access Security Broker (CASB)
- Cloud Identity Management Services



### AI & ML Capabilities

- Advanced Analytics, Smart Insights
- Text Analytics, Natural Language Processing
- Computer Vision, Image, and Video Analytics
- Speech Analytics
- Conversational AI
- Intelligent Process Automation



### Workplace Modernization

- Target Solution Design
- Migration Methodologies, Tools Design
- Organization Mapping
- Email Platform, Data, and Sharepoint Migration
- Identity and Authorization
- Compliance, Regulatory and Organizational Policies
- Google Workspace for Business Use Cases

## Tech Mahindra Cloud Frameworks

Passport NxT

MAC

LCaaS

UDMF

Tech Mahindra epselon

iCOPS

TACTiX

## Case Studies

### A leading automotive customer in South Africa



#### Business Challenges

- The client needed to enhance their customer interaction and touch points across various sales channels to:
- Increase the sales reach to the new younger audience for selected products in the segment
- Reduce dependency on sales representatives to create brand and product awareness, an issue across the industry
- Create brand visibility and embracing newer cloud-based technology
- High cost of maintenance of dealerships



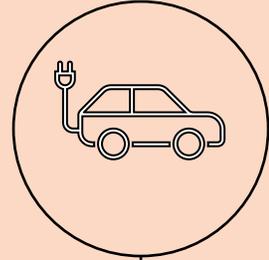
#### Our Solution

- One-touch application that integrates the needs of large dealership
- Product portfolio and comparison along with 360° visualizer
- EMI calculator, test drive, online booking, enquiry, and assistance, customer testimonial videos, awards and accolades, customer feedback and customer enquiry
- Real-time video conferencing via the same application
- Leveraged Google partnership to build a digital solution leveraging Google Cloud PaaS and SaaS offerings such as Google Drive, Maps, App Engine, Hangout, Gmail API and Cloud Datastore



#### Value Delivered

- Ensured 70% of the cost saving through the virtual dealership
- Improved customer experience, engagement, and customer delight
- Optimized sale process cost to the dealership
- Better cross selling opportunities for auto OEMs



### US multinational package delivery, supply chain management and global logistics company



#### Business Challenges

- Keeping the data in multiple areas was expensive and was using lot of space
- Consolidating the data from all the different sources into one place
- Moving from HDFS to cloud storage
- Showcasing and viewing data in the form of reports and other means was difficult so wanted to move to BQ tables to show the data in a synchronized manner



#### Our Solution

- Analysis: Of the various existing data sources, dataframe, LOG files from Linux and Oracle DWH; and of data complexity and its scope
- Unstructured data: Around 150 functional area which were sending files to HDFS and Data Meer have been pushed into BQ tables by the shell scripts that uses BQ commands
- Identify bad records: In Log files and cleansing them before pushing into GCP
- Structured Data: Automating the process of fetching each tables data into HDFS using Sqoop tool and migrating the data into GCP BigQuery tables, done through Shell scripting
- Implemented: Logging and error handling process



#### Value Delivered

- Combining multiple processes/jobs into one single platform for better manageability as compared to various flows in legacy systems
- Users to view or access data from BigQuery tables in Google Cloud instead of viewing data from individual files
- Automation of the migration process, which saved time and effort for the existing migration into HDFS



## The largest grocery chain in the US



### Business Challenges

- Moving digital solutions from on-premises data centres to cloud and build cloud-native applications
- Modernizing applications to bring all efficiencies of cloud, including faster release, scalability, and better MTTR
- Enabling rapid replication and provisioning for disaster recovery
- Embedding security into application development cycle

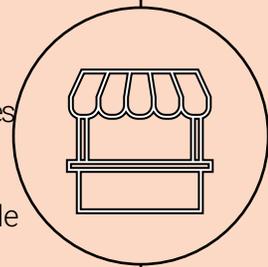
### Our Solution

- DevSecOps/Site reliability engineering Support two cloud platforms (GCP and Azure) and responsible for onboarding different teams within the client's organization into the infrastructure built by them
- DevSecOps: Performed threat modelling while building microservices architecture, integrated code scanning and vulnerability scanning into CI/CD pipeline for continuous scanning and runtime application self-protection
- Front-End: Focus on release planning, development of user stories, bug fixing and hotfixes maintain metrics and manage libraries for Analytics Manager
- Back-End: Design and develop new microservices or enhancements to existing applications per the team's user stories; develop new services per the client's defined style guide
- Quality Engineering: Improve the overall quality and reliability of the release; create test scripts for services using service based tools; create test strategy, test plan, and execute automated and visual tests, and integrate to release engineering pipeline



### Value Delivered

- Microservices driven application architecture reduced the lead time to release the code faster, better quality and brought operational visibility and elasticity
- Improved application security by adopting into early cycle of microservices application build and integration.
- Cloud platform agnostic solutions such as Terraform and Spinnaker provided consistent and repeatable workflows that reduced the onboarding time on multiple platforms, such as Azure where the team has already started to work on and benefit from such solution.
- Cloud proposed solution enabled Multi-region, high-availability, and disaster-recovery



## Top global utilities solutions customer based in France



### Business Challenges

- Adoption of chosen cloud environments across the group business units
- Effective utilization of newly invested collaboration and productivity platform – G Suite
- To be able to continue using legacy Microsoft Office documents, Macros, and so on, in the G Suite native environment

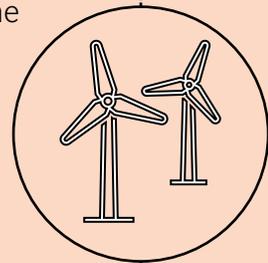
### Our Solution

- Assess, qualify, and develop standard solutions to migrate Microsoft Office documents from Microsoft to the Google ecosystem
- Re-architect, develop Google Scripts to re-mediate large number of complex macros written using visual basic
- Remediation of variety of document types – MS Word, MS Excel, MS PPT, and varying complexity with MS Access integrations and more



### Value Delivered

- Factory mode of operations for re-mediation of large number of MS documents
- Re-usable components to expedite the re-mediation process
- Full leverage of G Suite and apps script features avoiding hosting a GCP native applications, thereby causing additional budget pressures



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