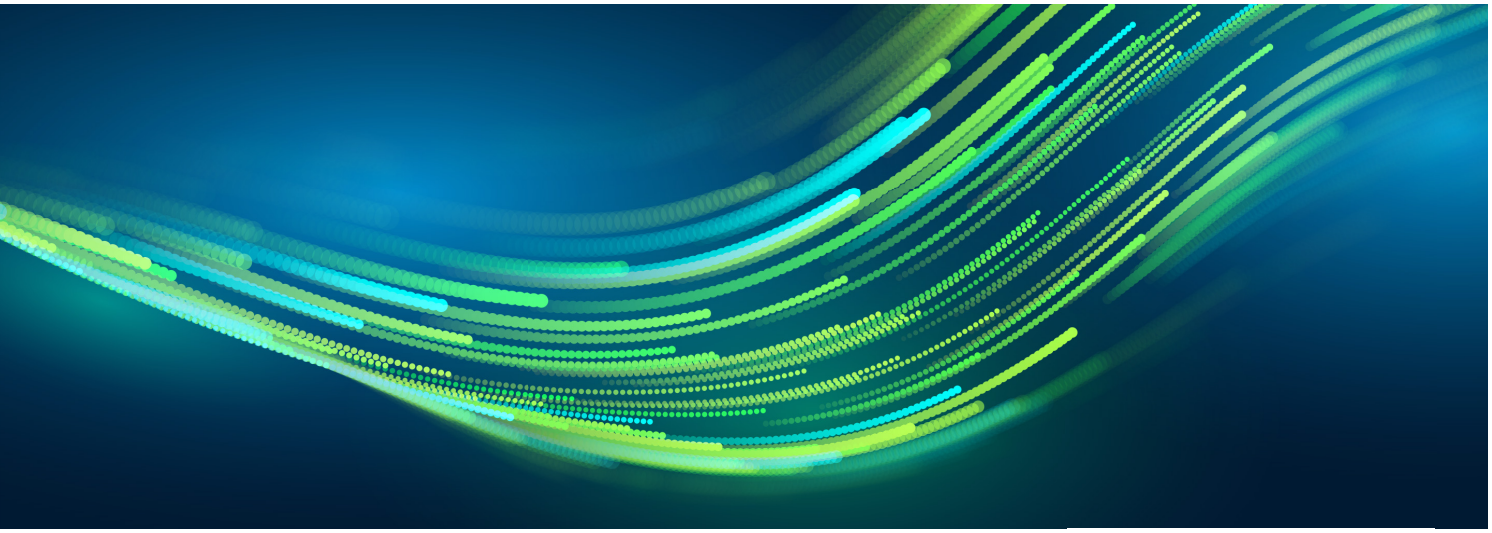
TEKsystems | Global Services

Building a Roundabout for Data

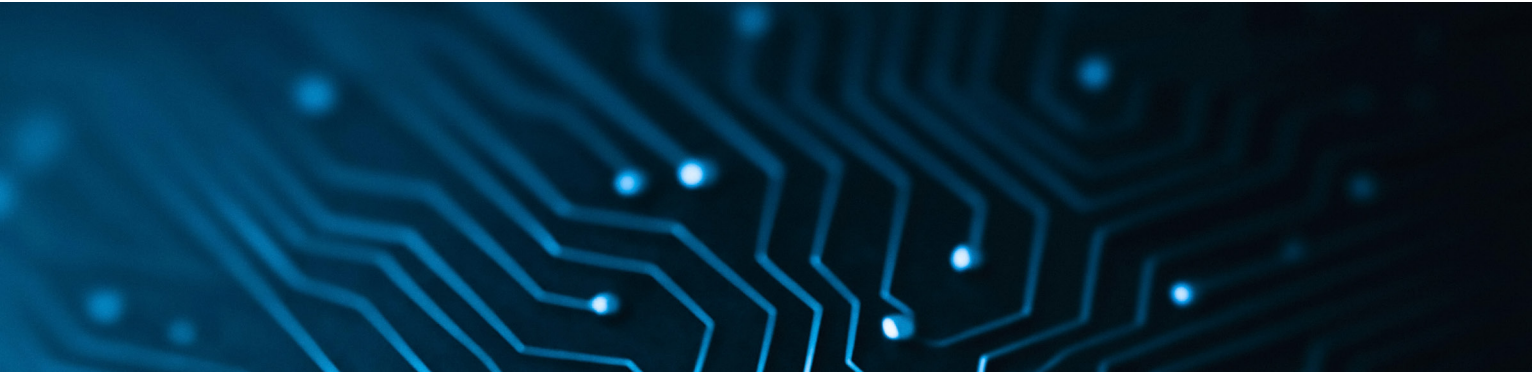
A leading transportation and logistics company leverages DevOps to automate their code delivery process.







a story of **owning change**



Mastering the Momentum of Technology With Google Cloud

Our customer, one of the largest transportation and logistics companies in North America, was navigating a complex cloud migration project. They leveraged DevOps to augment their pipelines and automate the code deployment process for maximum efficiency.

What We Did

Agile Transformation Cloud, Digital and Data Analytics

Industry

Transportation

The Challenge

Changing Lanes

Navigating a Complex Databricks Migration

To make their internal data analytics more robust and reduce costs, our customer wanted to migrate several workloads to Google Cloud, including a Databricks workload that presented unique challenges. As one of the first-ever organisations to host their Databricks environment on Google Cloud, they faced uncharted territory.

There was also a need to identify and accommodate for any gaps in service as they migrated their data from their previous cloud provider to their new Google Cloud environment.

They wanted a partner with both the knowledge to develop a successful migration plan and the skill to help them execute it. Enter: TEKsystems Global Services (TGS).

Our Solution

Mapping a New Route

Leveraging DevOps to Build a Repeatable Migration Process

The goal was to find an efficient way to enable communication between our customer's old cloud environment and their new one. This would allow data to be moved and then deployed to run against Databricks, a multi-cloud platform our customer used to empower their data analytics and reporting.

Using DevOps methodologies to strategically facilitate this process, we optimised their code to support the migration and minimise the need for manual execution.

Navigating this new territory required innovation. The team integrated the library versioning tool Artifactory to provide our customer with full visibility into their dependency libraries – enabling them to manage the different versions of code dependencies as they were implanted or tested.

Essentially, we added a level of visibility to inform future progress. For similar reasons, we helped our customer use repeatable process models. These models help to eliminate redundancies and save time, giving teams access to code deployed from anywhere within the business to be re-implemented as needed.

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Powerful Partnership

Sharing the Road

Working Through Challenges

Uncharted territory is the perfect environment for finding innovative solutions. The novelty of this project required close collaboration between us, our customer, and their dedicated Databricks resources. We applied our knowledge as a Google Cloud Premier Partner throughout the engagement to make strategic recommendations informed by our previous successes with cloud transformation projects.

As roadblocks came up, we worked in lockstep to keep our customer moving. Constantly communicating our progress, fuelled by our experience, led to our success. No matter what twists and turns the road took, we moved the project along side-by-side with our customer.

Real-World Results

We handled this migration process one step at a time, turning what could have been a minefield of downtime and lost data into just another cloud journey. By augmenting their CI/CD pipelines and automating the code deployment process, our customer can put the time and effort saved towards further expanding their data analytics capabilities.

Their reporting tools provide more accurate data, refresh faster, and provide key stakeholders with near real-time information to make informed business decisions.

By making a complex migration manageable, we increased our customer's confidence in their platform. Automated code delivery means a lower risk of downtime and reduced labour costs, empowering them with a faster time-to-market. We also made sure to provide detailed documentation to support them as they continue to grow with their new platform. Now our customer gets to be seen as an innovator for future Databricks migrations to Google Cloud.

↓ Reduced time-to-market

↓ Decreased risk through automation of code delivery

↑ Enhanced operational delivery for new data platform

About TEKsystems and TEKsystems Global Services

We're TEKsystems. We accelerate business transformation for our customers. We bring real-world expertise to solve complex technology, business and talent challenges—across the globe. We're a team of 80,000 strong, working with over 6,000 customers, including 80% of the Fortune 500 across North America, Europe and Asia, who partner with us for our scale, full-stack capabilities and speed. We're strategic thinkers, hands-on collaborators, helping customers capitalize on change. We're building tomorrow by delivering business outcomes and driving positive impacts in our global communities. TEKsystems is an Allegis Group company.

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