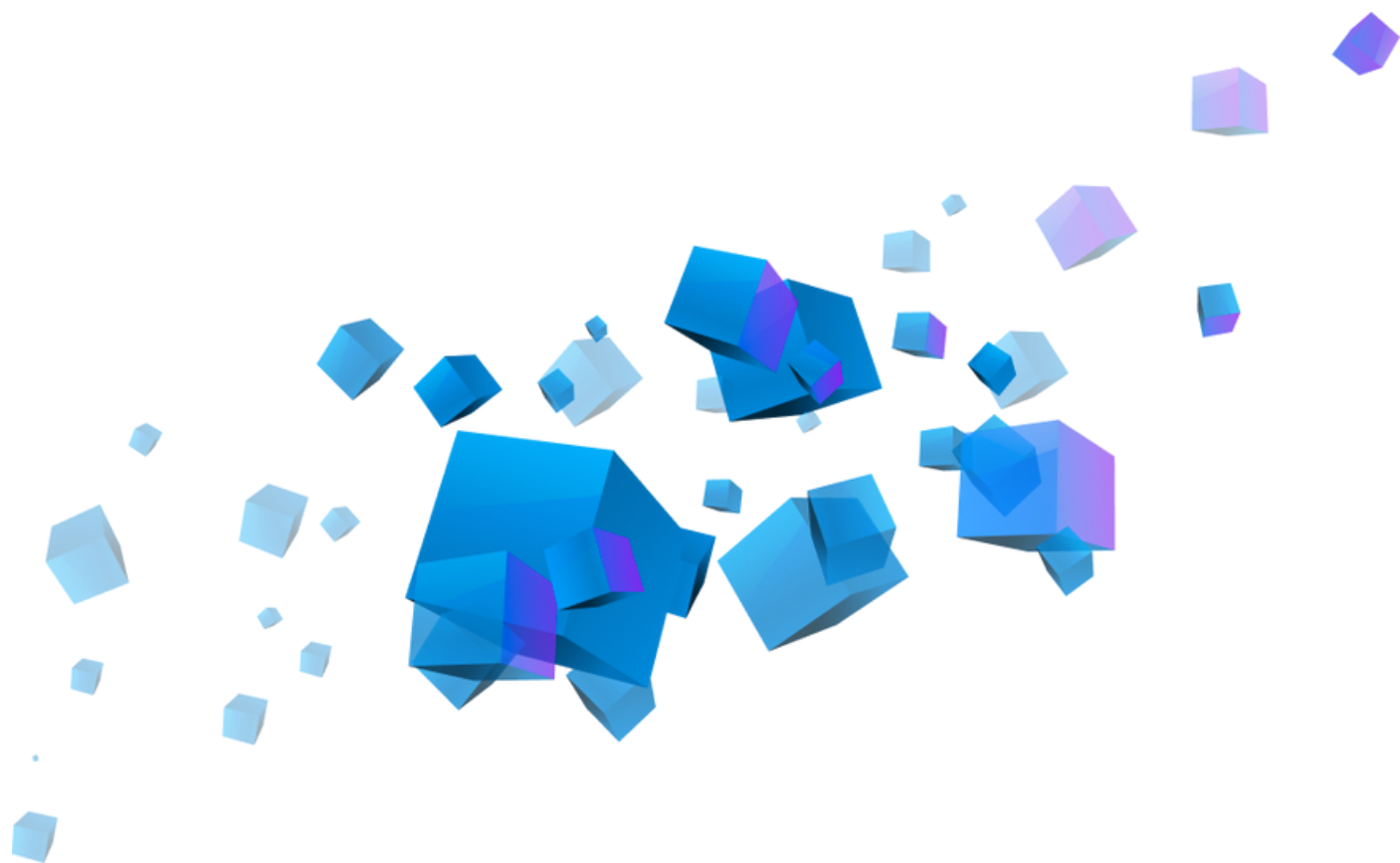# LogicalCube

Case Study

Global Forex Trading Company
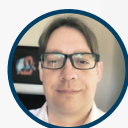
Re-platform Retail Tech Stack

Re-platforming a complex, KYC and regulatory compliant techstack was no small feat.

It required significant, and thoughtful, planning, and execution across many business critical areas.

Adopting Best Practices we were able to deliver a successful outcome for the customer that met financial services obligations.

PAUL MORTIMER
Founder of Logical Cube

The Challenge

The customer is a large Australian based Forex trading business, providing global online trading services to institutional and individual customers.

Approximately USD$8 Billion monthly transactions move through the current platform.

This customer values the need to scale and maintain their existing platform.

They wish to maintain high security standards, whilst designing, building and delivering a next generation platform to enable new markets and opportunities.

The Solution

Logical Cube **analysed the customers growth plans** and suggested ways to quickly **deliver value and show progress** to business stakeholders.

Our architecture team worked with the customer to **increase the resilience of their software products**.

At the same time we provided analysis and visibility of less well understood business practices by **introducing Event Storming** and **Business Process Mapping**.

To assist with larger deliverables **Logical Cube provided a dedicated local and distributed team of engineers**, providing additional delivery capability.

The Process

Logical Cube **followed a structured process** that involved various stages.

Firstly, we conducted a thorough analysis of the customer's growth plans, existing platform, and the desired outcomes of the project. This helped us to **identify the key areas that needed improvement** and suggested ways to quickly deliver value to the business stakeholders.

Next, our architecture team worked closely with the customer to **increase the resilience of their software products**. We analysed their current systems, identified any potential risks and vulnerabilities, and suggested ways to mitigate them.

We also **focused on improving the system's scalability, reliability, and security** to ensure that it can handle the expected increase in demand.

In addition, **we introduced Event Storming and Business Process Mapping to provide analysis and visibility of less well-understood business practices**. This helped the customer to identify any inefficiencies in their processes and make necessary changes to improve their overall business operations.

To assist with larger deliverables, Logical Cube provided a dedicated local and distributed team of engineers. This **additional delivery capability allowed us to work more efficiently** and deliver high-quality solutions within a shorter timeframe.

Finally, we worked towards the **redesign and re-platforming of the entire tech stack** to align with the customer's strategic business goals.

The Process cont.

Throughout the process, we maintained a **strong focus on maintaining high-security standards** to ensure that the customer's sensitive data and transactions were protected at all times.

We also kept the customer involved and informed at every stage of the project, **providing regular updates and seeking feedback** to ensure that the final solution met their expectations.

The Education

Educating the client was critical to the success of the project for several reasons.

Firstly, data security is a shared responsibility between the client and the service provider. It was important to **educate the client about data security best practices so that they could actively contribute to maintaining a secure environment**. By educating the client, they were able to understand the potential risks and take proactive steps to protect their data.

Secondly, educating the client **helped to build trust and transparency** between the client and the service provider. By being transparent about the security measures being implemented, the client was able to see the value in the work being done and understand the steps being taken to mitigate potential security risks. This helped to build a strong working relationship and **fostered a culture of collaboration and trust**.

Thirdly, educating the client **helped to mitigate the likelihood of security breaches caused by human error**. Many data breaches occur as a result of employees unknowingly falling prey to phishing scams or using weak passwords. By providing regular employee education on data security best practices, including phishing awareness and password management, we were able to reduce the likelihood of human error and mitigate potential security risks.

Finally, educating the client helped to ensure that the client was aware of the security risks associated with their business operations. This allowed them to **make informed decisions about their data** and take appropriate steps to **mitigate risks that were specific to their business operations**.

Best Practices
Lessons Learned
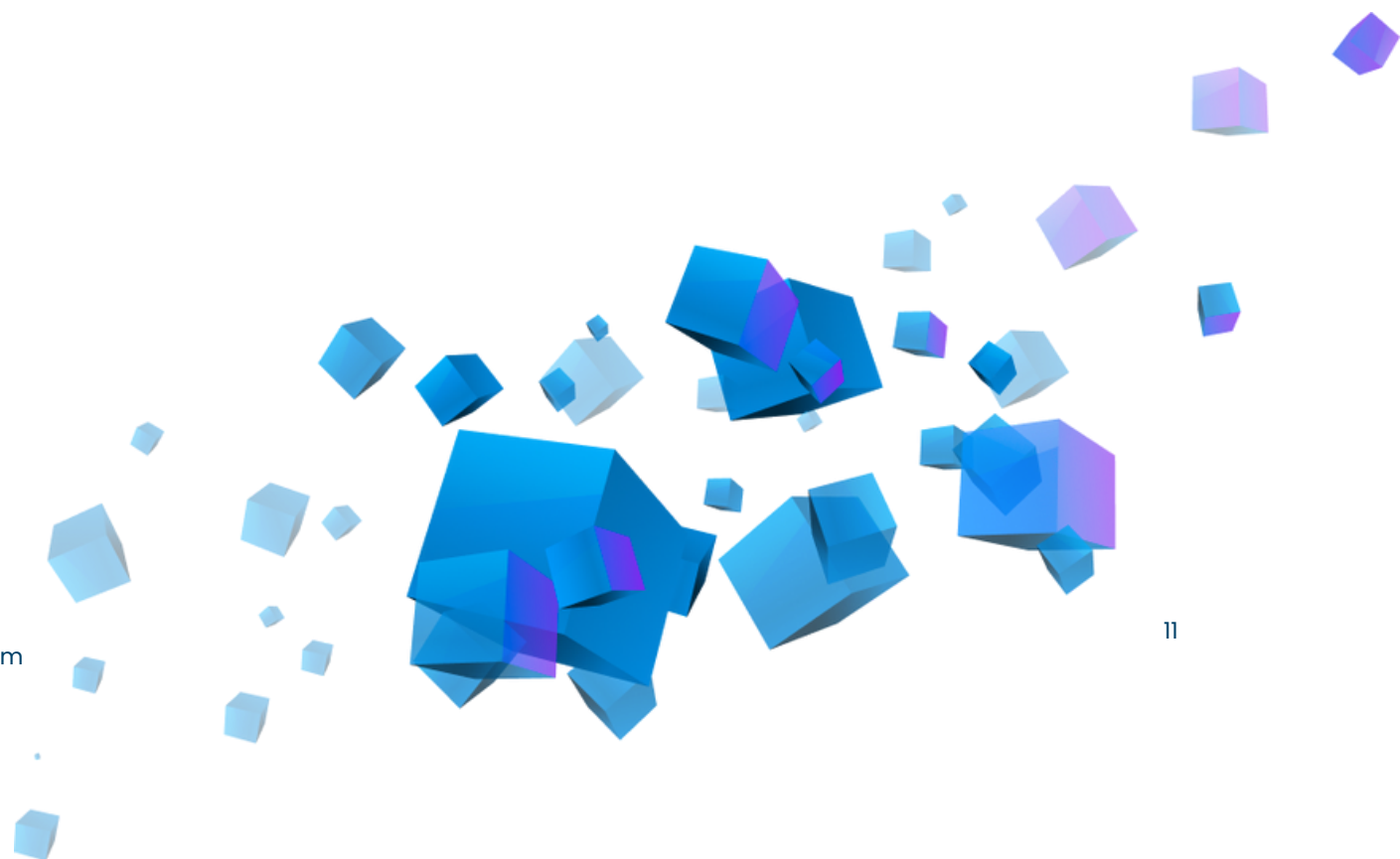
Comprehensive Discovery Workshop

Before initiating the re-platforming project, **we conducted a comprehensive discovery workshop**.

This included assessing current 3rd party trading platforms, internal applications, and data to identify dependencies, compatibility issues, and re-platforming priorities.

We defined clear objectives and goals for the re-platforming project, taking into account factors such as time-to-market constraints, scalability, legacy data, KYC, payment gateways and security requirements.

A well-defined migration strategy with **a feature(s) delivery map and milestones helped to ensure a smooth and successful deployment** to the cloud.

Engage Stakeholders and Clear Communication

Re-platforming projects involve various stakeholders, including IT teams, business units, and end-users.

It was important to **engage all relevant stakeholders from the outset** and establish **clear communication channels**.

It was important that everyone understood the goals, benefits, and potential challenges of the re-platforming. **Regular project updates**, addressing concerns, and gathering feedback to **maintain transparency and manage expectations** throughout the project was critical.

We engaged stakeholders early on and fostered a collaborative and continuous learning environment to support the successful delivery.

Prioritise Security and Compliance

Security and compliance **was at the forefront of this project**.

Implementation of appropriate access controls, encryption mechanisms, and monitoring tools to **protect client data and applications** was approached from a zero-trust basis.

Consideration was given to **compliance and KYC regulations that applied (by region)** to ensure alignment of the solution architecture with these requirements.

When you're ready to engage – reach out!

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Let's Grow Together