

# TELUS API SUCCESS STORY

*Telecom Industry*

## OVERVIEW

Virtual Guardian provided API consulting services to TELUS for over 6 years, and contributed to migrating a legacy API Management Gateway onto a customized next-generation API Management product, delivering comprehensive API security and management solutions.

## CHALLENGES

The majority of communications companies still maintain legacy API gateway systems that decrease their efficiency and flexibility. Retiring these systems and improving them with new tooling can be a complex proposition.

## OUR CONTRIBUTION

As part of the Virtual Guardian approach, we organized product-focused teams that are empowered to deliver a product in an iterative and predictable cadence with business alignment across the API Services product. We applied an Agile architecture and Lean approach, building a Minimal Viable Product (MVP) which we expand as needed, to replace legacy systems using an iterative model. During this retirement we added significant new capabilities to the next generation API platform, and enabled the delivery of additional security, reliability, API models, and self service tooling to support the growing and changing landscape in our client's business.

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## COST SAVINGS REALIZED

Gateway Team



Per year saved in gateway management & operations.

Operations Team



Per year saved in issue resolution / support.

API Deployment



Per year saved in onboarding / change management.

QA Team



Per year saved via test and security automation.

## SERVICES PROVIDED

Transitioned to full time client team over time, reducing implementation & development costs.

Implemented with 15 people over 3 Agile teams, delivering value weekly.

Predictable delivery of business capabilities – weekly capability reviews.

Early ROI on spend – taking transaction in production in < 6 months from start.

## RESULTS

Our solution enabled the company to effectively divert new traffic to the new product and actively migrate legacy systems while allowing them to pivot on business priorities. Our architecture leverages existing API platform investments and open orchestrations for we build and deploy through Continuous Integration & Continuous Delivery.