OPTIVA CHARGING ENGINE ON GOOGLE CLOUD TRANSFORMS TRUPHONE'S BUSINESS INSIDE AND OUT

The Customer

Truphone, a global mobile network operator, provides mobile connectivity to consumer and enterprise segments and IoT devices to over 3,500 multinational enterprises. It is renowned for its technological breakthrough products offered worldwide. Headquartered in London, it has 15 offices across four continents and continues to expand globally.

The company, a global network of MVNOs united via a dedicated IP mobile core network to create a single international roaming "zone," was an early adopter of OTT software to compete against traditional mobile operators.

Truphone is riding the waves of digital transformation and IoT and exponentially growing its embedded eSIM business globally while putting customer experience at the forefront.

The Challenge

Truphone wanted to plan well for the future in pursuit of its growth strategy. It knew its BSS could be its growth engine or biggest bottleneck. It needed real-time BSS to support flexible multiplay commercial models for existing and new business lines. It also required the agile rollout of new functionalities and features from a complete end-to-end continuous integration/continuous delivery (CI/CD) pipeline and autoscale capabilities to respond quickly to market needs.

Further, it required **agile rollout of new functionalities and features** derived from a complete end-to-end continuous integration/continuous delivery (CI/CD) pipeline to react quickly to market needs and **autoscale capabilities**. Further, Truphone wanted to ensure a **robust and resilient "always-on" environment** and a dynamic commercial model with minimal upfront investment and **"pay-as-you-grow"** method, offwering ensured and efficient cloud economics.

For highly competitive markets like 5G and IoT, it needed fast speed to market and an experimental approach to fail or succeed with minimal cost, time, and effort. In addition to rolling out new and innovative products at speed, Truphone wanted to always keep offerings relevant and up-to-date for its global audience.

The Solution

Truphone's on-premise online charging system (OCS) and testing and disaster recovery systems were replaced with one OCS on Google Cloud.

Optiva delivered Optiva Charging Engine, a real-time converged charging solution that is 5G ready and updated every 3-6 months through a CI/CD pipeline. Truphone's upgrade to the public cloud also included a multi-year support agreement with Optiva that will further help Truphone maximize its value, monetization, and results. It estimates that the total cost of ownership (TCO) savings from the move to the public cloud will be approximately 60%.

Total time from kickoff to production was just five months – one-fourth the industry standard.

Optiva

TRUPHONE

Ralph Steffens
CEO of Truphone

"With Optiva Charging Engine built on Google Cloud, Truphone can accelerate our digital transformation and technological innovation journey. We needed our online charging system (OCS) to be agile and robust, support rapid expansion, and scale easily — all without diverting our IT operation's focus.

CI/CD is a new approach in the traditional telecom industry, so it was important that Truphone gain trust in the new technology, adopt these tools and approach, and complete it on their side to ensure a fully automated acceptance process," said Ralph Steffens, CEO of Truphone."

The Benefits

With its new OCS firmly in place, Truphone has more dynamic capabilities to launch new digital services quicker, cheaper, and with lower risk. Truphone's new automated CI/CD pipeline has enabled a more rapid time to market with OOTB product templates and reduced the number of tests from over 5,000 to around 190 automated and end-to-end.

Test Automation - Optiva Testing Framework (OTF) simplified verification

Quality Check - Project & Operational rollouts

Massive Tarif Testing - 7 million rate combinations

OPEX Reduction - Test system spin up on demand in **2 hours** utilizing current **live backups**

Automated Daily Checks - 5 min to complete

Automated Trouble Tickets - Creation & Escalation

50% Reduction in number of maintenance windows

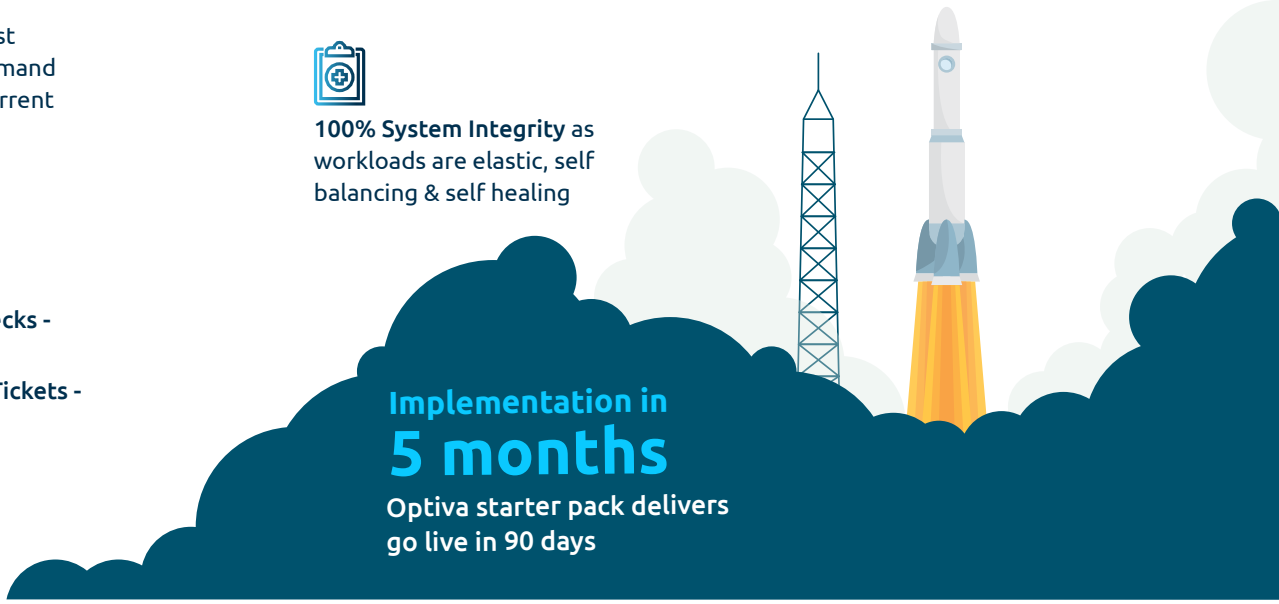
Non-critical activities can be done live at anytime

Software Installations - Achieved 9 rollouts in 1 year

100% System Integrity as workloads are elastic, self balancing & self healing

TCO savings of approximately 60%

Platform **resilience** compared to bare metal improved by **10X**



Implementation in
5 months
Optiva starter pack delivers go live in 90 days

Optiva's CI/CD capabilities accelerated the delivery of the live implementation. The "starter pack" solution was deployed four weeks from kickoff, followed by continuous bi-weekly delivery cycles introducing new functionalities. Truphone had full visibility of the project's progress, which went live in only five months.