

Realizing Faster Decision Making with Digital Twins for a US Telco Giant

Key Challenges



- Traditional marketing strategies struggle to predict customer behavior and optimize campaigns
- Static data analysis limits understanding of customer behavior
- A/B testing real-world campaigns is time-consuming and expensive
- Predicting market trends and customer responses is challenging

Business Solution



- We built a Digital Twin solution using Google Cloud Platform (GCP)
- Analyze vast customer data with BigQuery for deeper insights
- Simulate marketing campaigns and predict outcomes with minimal cost
- Leverage Kubernetes for efficient model deployment and scalability

Business Impact



Reduced Experimentation Costs: Test campaigns digitally before real-world rollout

Faster Time-to-Market: Optimize computational power for rapid campaign evaluation

Deeper Customer Understanding: Predict behavior and forecast market trends with AI integration



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