

# Fault-Tolerant AWS, Azure & GCP Infrastructures

GREG SOLUTIONS



# About The Client

**VIRTIDO**

<https://virtido.com>

Virtido is an entrepreneurial Swiss-based business process outsourcing and IT company. The client implements ideas and projects – from strategic concepts to technical implementation.

LOCATION

**SWITZERLAND**

INDUSTRY

**IT COMPANY**

# The Challenge

## CLOUD INFRASTRUCTURES

Design a number of cloud infrastructures on top of Microsoft Azure, Google Cloud Platform and Amazon Web Services

## MANAGED SERVICES

Provide a qualified and proactive infrastructure management

## CONFIGURE SDLC

Configure tools for software lifecycle development and team communication

## COST

Reduce the cost of cloud services

## AUDIT

Implement role-based access control

# Project Summary

## TEAM SIZE

1-3 DevOps  
Engineers

## DURATION

22 months + ongoing  
development and support

## EXPERTISE DELIVERED

- DevOps Consulting
- AWS Infrastructure Design
- Azure Infrastructure Design
- Google Cloud Infrastructure Design
- Kubernetes & Docker Adoption
- CI/CD implementation
- Monitoring System Integration
- Logging System Integration



# Results

## CLOUD INFRASTRUCTURE DESIGN

Designed and managed a range of infrastructures based on Amazon, Microsoft Azure and Google Cloud Platform.

## DECREASED INFRASTRUCTURE COST

Designed and built a cost-effective Google Kubernetes Engine cluster using Terraform, saving our customer about 60% of infrastructure costs compared to the existing setup

## INCREASED DEVELOPMENT SPEED

Implemented a set of automated CI/CD processes using TeamCity, Jenkins, GoCD, GitLab CI, Azure DevOps and BitBucket pipelines



# Numbers

DECREASED INFRASTRUCTURE

COST BY

60%

DECREASED DEPLOYMENT

TIME BY

92%

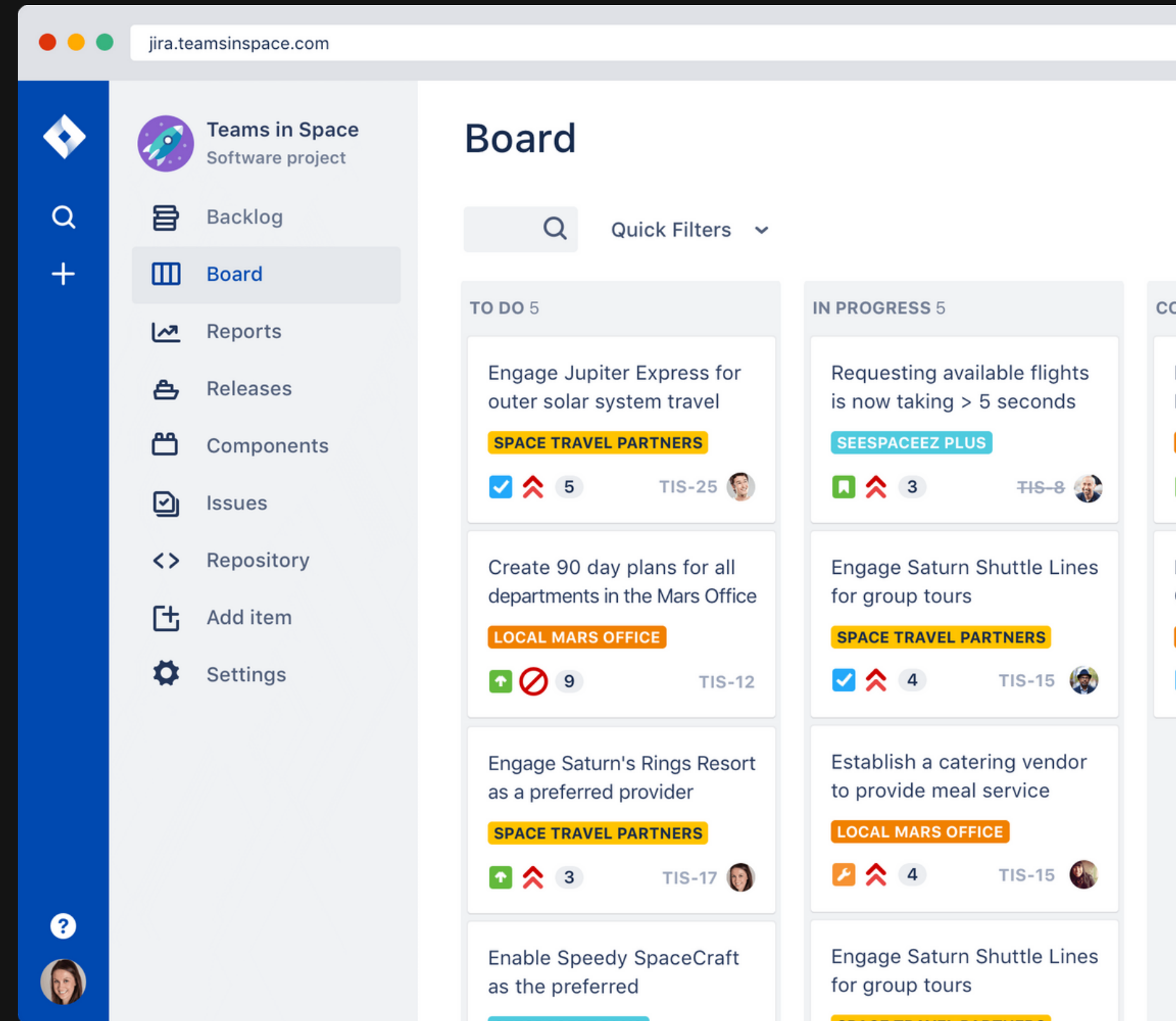
# User Management & SDLC

## USER MANAGEMENT

Built a centralized user access management system with the help of LDAP to simplify user management and audit

## CONFIGURED SDLC

Configured tools for software lifecycle development and team communication.



# Technical Stack



Google Cloud Platform



Microsoft Azure



Terraform



Jira



LDAP



TeamCity



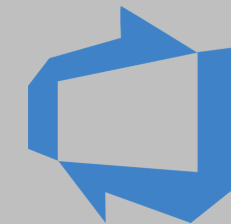
Kubernetes



Istio



Google Kubernetes Engine



Azure DevOps



BitBucket pipelines



Amazon Web Services



Amazon ECS



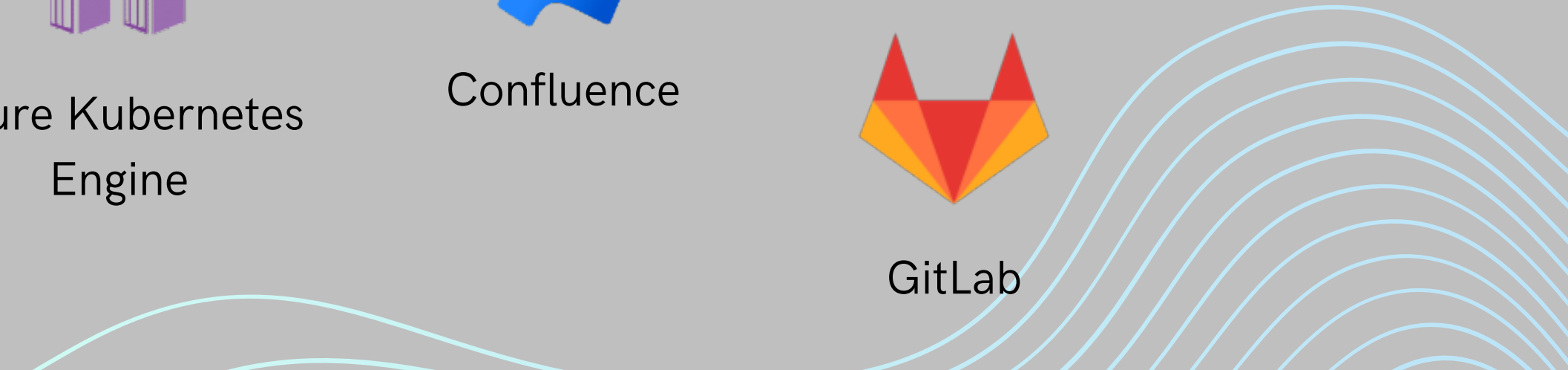
Azure Kubernetes Engine



Confluence



GitLab



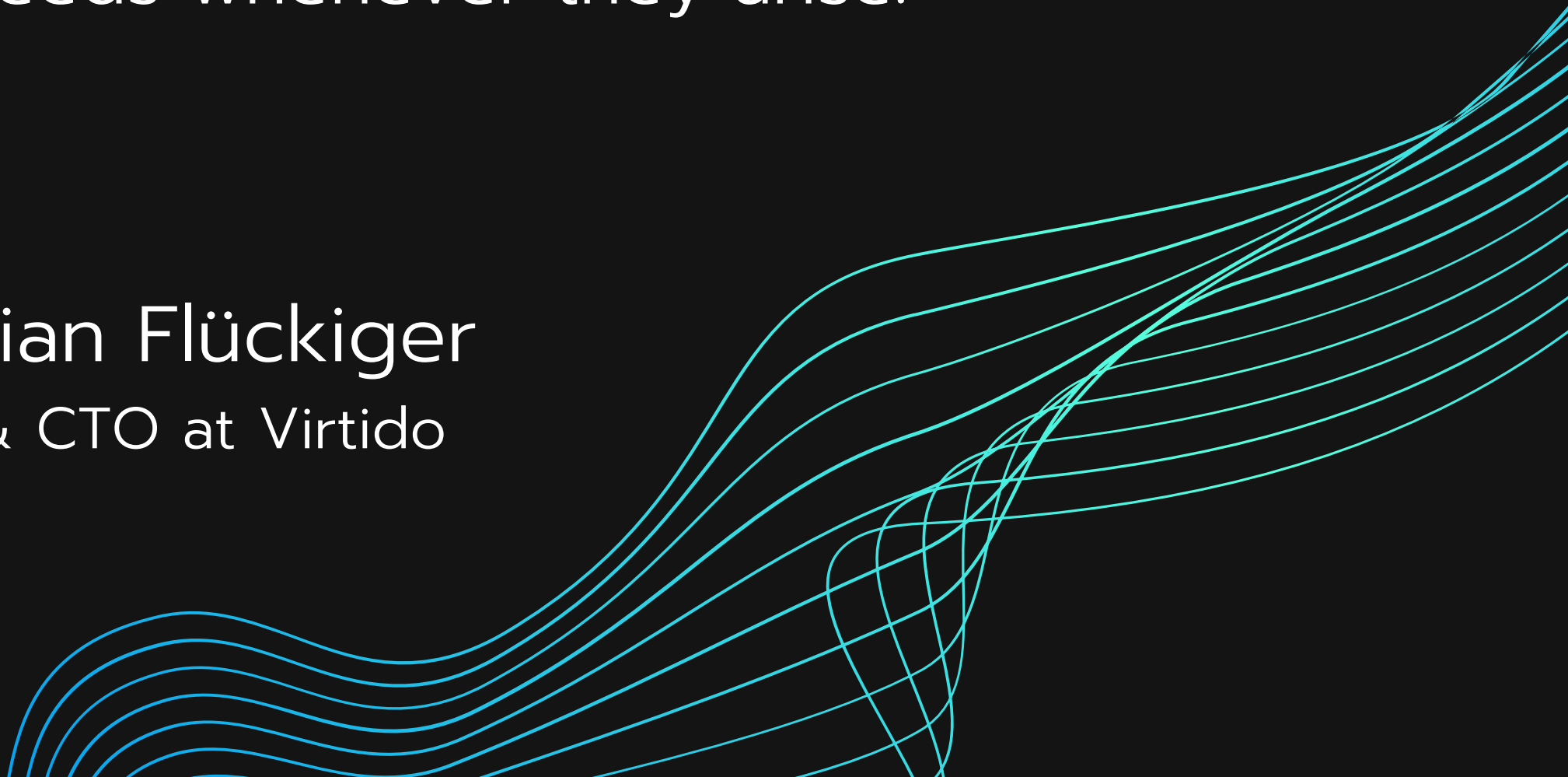


# Client Feedback

“Over the years they have accompanied many Virtido projects with their experience and professional implementation of practical solutions. We strongly value our partnership and are happy to have such a great team to support our DevOps needs whenever they arise.”



Sebastian Flückiger  
Partner & CTO at Virtido



# Let's keep in touch

## CONTACT US

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## READ MORE

<https://greg-solutions.com/cases/aws-gcp-infrastructure>