



High Availability Infrastructure & CI/CD for a FinTech Company

ABOUT THE CLIENT

The Client is one of the biggest and fastest growing providers of comprehensive technology and outsourcing solutions for wealth management in Switzerland.

The client was struggling with a costly infrastructure which provided very low issue response speed. They were looking for a reliable DevOps partner to help them build a new, modern infrastructure with a much more efficient way of utilizing resources, unified builds for their .NET, C++, WPF and iOS applications, and automated testing process. They chose Greg Solutions.

GOALS

1. Build a reliable bare metal infrastructure with the effective utilization of resources.
2. Unify builds for .NET, C++, WPF and iOS applications.
3. Decrease the infrastructure response time and resilience to issues.
4. Automate the performance of unit, integration and functional testing.
5. Support and proactively improve multiple environments.
6. Improve the resource utilization process for CUDA applications.



FinTech

NAME UNDER NDA

RESULTS

Built developer-friendly environments

That are based on VSphere ESXi using Rancher and support blue-green applications deployment.

Unified build and deployment processes

Using TeamCity, GoCD, Fastlane and Docker.

Implemented detailed monitoring.

The applications and the infrastructure are now secured with performance metrics, SSL verifications, application health checks and team alerting.

Automated functional and integration tests execution

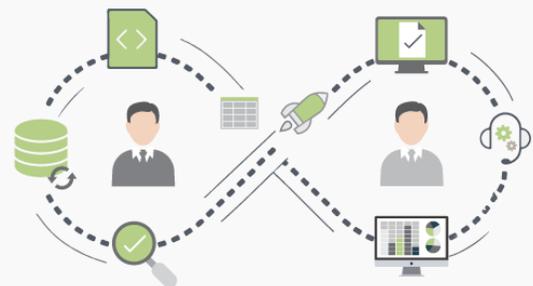
As part of Continuous Delivery using Docker, GoCD, Newman and xUnit reports.

Designed and built a centralized logging system

For both the applications and the infrastructure.

Implemented CUDA virtualization computing

For the applications using Docker.





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TECHNOLOGY STACK



RABBITMQ



SQL SERVER



VSPHERE ESXI



POSTGRES



BITBUCKET



INNOSETUP



HASHICORP
VAULT



FASTLANE



TEAMCITY



RANCHER



NEWMAN



IOS



.NET WPF



DOCKER



TERRAFORM



ELASTIC
STACK



.NET CORE



GOCD



LDAP



GRAFANA



NEXUS
SONATYPE



REDIS



PROMETHEUS

