nine cloud navigators

Case Study Dr. Marc Rutschmann AG:

Managed Kubernetes for Creating and Managing Customer Web Pages

"We were positively surprised that within a month's time, our new solution was already in place."

Felix Stocker, CEO Dr. Marc Rutschmann AG

The Challenge

The challenge for Dr. Marc Rutschmann AG is to set up new web pages for their clients in a short period of time. Their target is to create web pages in an efficient and cost-effective way. The handling of this process should need as few manual steps as possible and provide a high level of security. Their customers are mostly big companies with very high standards in terms of reliability of delivery and customer data (e.g. Swiss banks and insurance companies).

The Solution

Nine analysed the situation of the advertising agency in terms of their architectural environment and their main challenges. Due to the multitude of projects to be handled at the same time and Dr. Marc Rutschmann AG's requirements for availability, speed and flexibility, Nine's engineers identified the potential for a Kubernetes solution. Nine advised Dr. Marc Rutschmann AG in terms of their transition to running containers and set up a concept for either a hybrid or a full public cloud approach. By means of a number of workshops involving external contractors, Nine defined and elucidated the idea of the new system architecture involving Google Kubernetes Engine (GKE).

Dr. Marc Rutschmann's application framework was containerised to ease the deployment of new projects.

Dr. Marc Rutschmann's application framework used for the creation of web pages was containerised to ease the deployment of new projects. Nine built an automated CI/CD pipeline in combination with ArgoCD, which allows the software developers at Dr. Marc Rutschmann AG to continuously deploy changes made to the projects.

As Dr. Marc Rutschmann AG wants to focus on their clients rather than on maintaining Kubernetes, Nine also supports their customer by operating Google Kubernetes Engine. This means that Nine runs the Nine service stack consisting of industry standard open source tools to manage and update the Kubernetes solution at Dr. Marc Rutschmann AG.

The Result

The software developers at Dr. Marc Rutschmann AG can virtually create customer web pages in a few steps. They can create and delete projects by themselves without any help from Nine. Thanks to two separate environments for staging and production also separated on Kubernetes, project managers can conveniently and securely test content and design before moving to the production environment. In this way, around 50 customer projects are managed in Kubernetes at the same time. In daily operations, very little extraordinary support is needed.

Customer web pages can be created in only a few steps.

"The collaboration with Nine sales and engineers has been very pleasant and we are happy with its result. The new solution makes our daily business much easier and we pay only for what we use. There is no need for our IT to deal extensively with Kubernetes topics as Nine is taking care of the Kubernetes operations, including backups and software updates."

Felix Stocker, CEO of Dr. Marc Rutschmann AG

About Dr. Marc Rutschmann AG

Dr. Marc Rutschmann AG *is an advertising agency specialized in the field of behavior-triggering communication, based on latest findings in behavioral sciences and neurobiology. The advertising Dr. Marc Rutschmann AG does for their clients – which are leading national and international companies in Switzerland/Germany – takes place mostly online (85 %). Dr. Marc Rutschmann AG is a full-service agency with around 20 employees located in the heart of Zurich.*

About Nine Internet Solutions AG

Nine is the leading provider of managed service solutions in Switzerland and offers full platform management in the public and private cloud, both of which use the Swiss location. The company is ISO 27001 and ISO 9001 certified and employs around 40 people. Websites such as *mobiliar.ch*, *jungfraubahnen.ch* and *geschenkidee.ch* are operated in public clouds as well as two Nine data centers in Switzerland. Nine stands for highest availability, highest performance, 24/7 monitoring and full scalability.