

CUSTOMER: SWAT.IO

## tecRacer brings the entire IT infrastructure to the cloud for Swat.io

The Viennese technology company Swat.io has been enabling coordinated social media communication for professionals via a comprehensive B2B social media management tool since 2010. The IT capacities of the highly frequented B2B social media application were previously managed by a managed service partner. tecRacer, with its extensive and long-standing experience, migrated the complete infrastructure to the Amazon Web Services (AWS) Cloud together with the customer. As a result, processes can be automated far better and the system is scalable.

### Everything in the cloud for more availability and flexibility

As an AWS Premier Tier Services Partner, tecRacer has the expertise to successfully set up the complete IT infrastructure in AWS. For Swat.io, the team took on this task so that the social media professionals could focus on their core business. After comprehensive consulting, the first task for tecRacer was to set up an infrastructure for several stages of software development: production, staging and testing. The entire database was then migrated using the Database Migration Service (DMS).



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### Knowledge transfer in Kubernetes and AWS

To make efficient use of available hardware resources, it was quickly decided to deploy the applications, most of which were already containerized, on Kubernetes. The open source Kubernetes system was therefore rebuilt for Swat.io. Amazon Elastic Kubernetes Service (Amazon EKS) cluster with autoscaling and Cloudwatch Alarms is used for this purpose. The transferred knowledge in Kubernetes can be easily adapted to changing requirements and improves collaboration between teams and departments. With Amazon Elastic Container Registry (Amazon ECR) for Images, Swat.io can easily store, share, and deploy its container software anywhere.



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### Full control with virtual private clouds (VPC)

As a network, tecRacer set up Amazon Virtual Private Clouds (Amazon VPCs). This gives Swat.io complete control over its own virtual network environment, including resource placement, connectivity and security. In addition to a client VPN to provide access to different user groups on different resources, there is also a site-to-site VPN to move large amounts of on-prem data to AWS during data migration.

### Contact person at the customer:

Johannes Nagl, CEO, Vienna:

*"To enable us to concentrate on organizing our customers' social media management in an optimal and resource-saving way, tecRacer has moved our entire IT infrastructure to the cloud. We can rely on the long-standing experience in Amazon Web Services and have our own capacities free for our core business."*



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**tecRacer uses ideal AWS tools and builds components for Swat.io**

Various tools are used to make the project successful:

- **Infrastructure as Code (Terraform)** provides IT infrastructure services such as computing power, storage and network based on code. The infrastructure is programmed in a similar way to software.
- **Amazon ElastiCache for Redis** is a lightning-fast in-memory data store that provides sub-millisecond latencies for running real-time Internet-based applications.
- **Elasticsearch** is a distributed search engine. As the core of the Elastic Stack, it stores data and enables fast searches, fine-tuned relevance, and powerful and effortlessly scalable analytics.
- **Amazon Aurora Postgres** is used for the central database. The relational database service combines the speed and availability of high-end databases with the cost efficiency of open source databases. No changes are required for the execution of existing applications and tools.
- **Amazon Simple Email Service (SES)** are cloud email services that can be integrated with any application for bulk emailing. Reliable, scalable email for customer communications, even without an on-premises SMTP system.

**Components built by tecRacer:**

- New Kubernetes Setup
  - EKS Cluster with Autoscaling and Cloudwatch Alarms
  - Amazon Elastic Container Registry (Amazon ECR) for images
- Network
  - Virtual Private Clouds (VPC)
  - Client VPN for access by different user groups on different resources
  - Temporary site-to-site VPN for migrating large amounts of data from on-prem to AWS (DMS)
- Datalayer
  - Amazon ElastiCache for Redis
  - Elasticsearch
  - Amazon Aurora Postgres (central database)
- Amazon Simple Email Service (SES)

**Tool**

- Infrastructure as Code (Terraform)

**Project goals**

- Migration of the entire OnPrem infrastructure to AWS with the aim of being able to scale better and use automation.

**Project duration**

September 2021 – October 2022

**Project performance tecRacer**

- Development of an infrastructure for several stages (Prod, Staging, Testing)
- Database migration using Database Migration Service (DMS)
- Knowledge transfer in Kubernetes and AWS

**About tecRacer**

tecRacer, headquartered in Hanover and with locations in Duisburg, Frankfurt, Hamburg, Mannheim, Munich, Vienna, Lucerne, Geneva and Lisbon, offers Amazon Web Services (AWS) Consulting & Training Services from a single source - seamlessly integrated, across the entire cloud lifecycle - from strategy to implementation to operation.

The strategy also remains the clear focus on Amazon Web Services. Here, according to an independent study by Crisp Research, tecRacer is probably the most competent and important partner in Germany. And the focus on AWS proves tecRacer right: As part of the AWS Partner Summit 2021, tecRacer received the „AWS Consulting Partner of the Year“ award. The owner-managed company, which was awarded as a Top Employer for medium-sized companies, now employs more than 150 permanent staff, has trained more than 12,000 participants in AWS and has already successfully implemented more than 250 AWS Consulting projects.

For more information, visit [www.tecracer.com](http://www.tecracer.com).

Or contact us at [aws-sales@tecracer.com](mailto:aws-sales@tecracer.com).

