

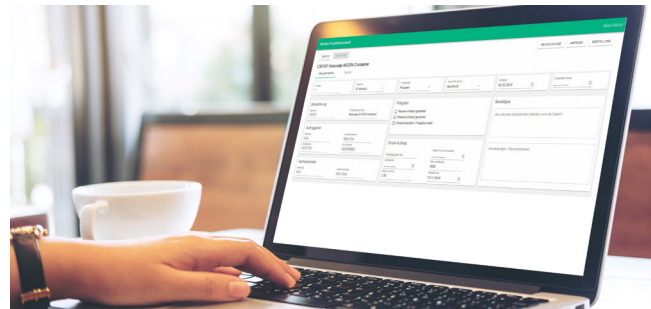
CUSTOMER: AESCULAP AG

tecRacer brings the communication media project database for Aesculap into the cloud

Aesculap AG, based in Tuttlingen, offers products and services for all core surgical and interventional processes. The whole is completed by exchanging knowledge about the international range of services and numerous further education and training activities of the Aesculap Academy. Aesculap's Marketing Communication department has long used an internal application to manage communication media projects. Since the application, which was programmed as an individual solution more than 15 years ago, was technically outdated, a cost-effective and easy-to-maintain successor solution was to be created for the application, which would essentially cover the previous functions, including a transfer of the data.

Communications media project database as a valuable store of knowledge

The tasks of the applications for the communication department consist mainly of the administration of project data used in creating communication/print media such as brochures and flyers, digital publications, trade fair equipment or giveaways. Surgical instruments for open or minimally invasive approaches, implants for orthopaedics, neurosurgery and spinal surgery, surgical suture material, sterile containers, positioning, motor or navigation systems and products for cardiology are advertised with these. Many years ago, the web application created for this purpose was developed in PHP and MySQL and had been running in the in-house computer centre ever since. For the marketing department, the tool serves as a valuable repository of knowledge repository in which all orders since 2003 are stored.



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Serverless application in the cloud with less administration and costs

tecRacer has moved the communication media project database to the cloud and implemented it as a serverless application. According to this model, costs are only incurred for the computing power used. In addition to saving money, the conversion offers another advantage: there is no need to manage infrastructure such as the operating system or application server. In the course of redesigning the tool and migrating it to the cloud, the layout was also adapted to the current corporate design.



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Optimal setup with AWS services

The setup was realised with services from Amazon. The basis is RDS Aurora, a MySQL- and PostgreSQL-compatible relational database for the cloud. It combines the performance and availability of conventional enterprise databases with open-source databases' simplicity and cost efficiency. It also works significantly faster. The key-value and document database Amazon DynamoDB is also used. Amazon API Gateway is used for the interfaces. AWS Lambda allows code to be executed without providing and managing servers. Only the time spent is charged. With the S3 Amazon Simple Storage Service (Amazon S3), any data can be stored and backed up. Finally, the content delivery service Amazon CloudFront delivers data, videos, applications and APIs quickly and securely via the front-end app.

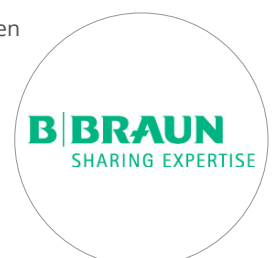
Contact person at the customer:

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„tecRacer has kept our media project database as an indispensable knowledge repository and, at the same time, supporting us in our migration to the cloud. In addition, the tool now runs without a server, with less administration and cost.“



CUSTOMER: AESCULAP AG

Project goals

- Migration of the internal application for managing communication media projects to the cloud
- Implementation as a serverless application
- Cost reduction
- Alignment with the current corporate design

Project duration

May until June 2020

Project performance tecRacer

The setup was realised with the following services:

- Amazon Relational Database Service (RDS)
- Amazon DynamoDB
- API Gateway
- AWS Lambda Data Processing
- Amazon Simple Storage Service S3 - Cloud Online Storage
- Amazon CloudFront for frontend app deployment (React)

About tecRacer

tecRacer is based in Hanover and has offices in Duisburg; Frankfurt am Main, Hamburg, Munich, Vienna, Lisbon and Lucerne. It consists of the division's Cloud Consulting - Amazon Web Services, Agile App Development - Web & Mobile and Managed Services.

tecRacer is an Amazon Web Services Authorised Training, Premier Consulting and audited Managed Services Partner and offers official training, consulting, projects and managed hosting around Amazon Web Services.

tecRacer was founded in 1999 as the business unit „iRacer“ of Herrlich & Ramuschkat GmbH. In 2006, tecRacer GmbH & Co. KG was founded as a separate company. Today, the owner-managed company employs more than 120 permanent staff and has more than 450 customers and 1,500 projects worldwide since 1999.

You can find more information at www.tecracer.com

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