

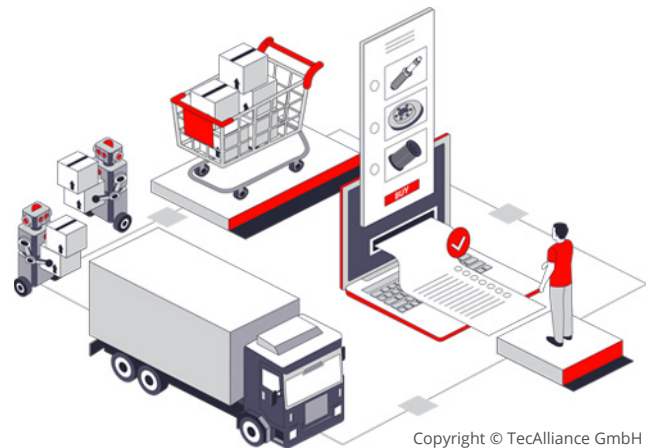
CUSTOMER: TECALLIANCE GMBH

tecRacer brings TecAlliance GmbH to the AWS Cloud

Over 25 years ago, major aftermarket parts manufacturers and distributors began creating a new data standard for the international automotive aftermarket - the birth of TecAlliance GmbH. The team has grown to over 900 members and has 22 offices worldwide. Based on world-leading data standards and optimisation/digitisation of processes, the company helps spare parts manufacturers among the most prominent global players in the automotive industry to sell spare parts more efficiently. To do this, TecAlliance strategically uses cloud technologies that access software, data and servers via the Internet and tie the IT function closer to the company. tecRacer supports TecAlliance in its migration to the cloud.

Digitisation as a central element of value creation

At TecAlliance, technology and automotive experts are digitising and shaping the future of the automotive aftermarket together. TecAlliance data and solutions are available in over 140 countries. As a global all-in-one provider of aftermarket data and software, TecAlliance defines information technology as a central element of value creation and, thus, as a business function. This is because the company recognises that the digitalisation of business processes, customer products and services will be the decisive factor for competitiveness and business success in the future. Increasing digitisation allows the improvement of processes and structures and becomes the driving force in the development of the entire market. TecCom is a product family from TecAlliance that has set itself precisely this task: Digitizing the whole order-to-invoice process.



Copyright © TecAlliance GmbH

tecRacer adopts cloud migration

To benefit from digitisation, TecAlliance reviewed all existing IT functions and created the necessary conditions. The company no longer relies on traditional centralised IT teams with local data centres. Instead, it optimally integrates a company's IT capabilities - people, software, hardware - into its business model. tecRacer Consulting, with its extensive experience as an APN Premier Consulting Partner in the APN Amazon Partner Network, built the project for TecAlliance on Amazon Web Services (AWS) cloud via Infrastructure as Code. TecCom Order allows multi-channel management of orders. With the help of Terraform, the TecCom Order environment was rebuilt as a highly available network environment and system landscape. The core of the domain is a set of highly available Microsoft Biztalk servers and the core database on Amazon RDS. This can quickly compensate for the failure of an AWS availability zone. In addition, complex disaster recovery mechanisms have been implemented to ensure the continued operation of the system in the event of the failure of an entire AWS region. This pivot is invisible to the system users, except for a short downtime.

The entire landscape, particularly the public Internet endpoints, was secured against attacks using state-of-the-art technology.



Copyright © TecAlliance GmbH

AWS Managed Services continues to support project and customer

The continuous operation for the new environment and the support of the project was taken over by tecRacer AWS Managed Services as a managed service provider.

The service provider can reflect on many years of experience in many projects. tecRacer MSP provides support in the incident, problem and change management.

In addition, the successful execution of the deployed anti-malware, backup, and patching solutions is permanently monitored, and operational readiness is guaranteed. Many metrics are monitored as part of tecRacer monitoring, and bottlenecks are proactively reported before a possible incident occurs.

CUSTOMER: TECALLIANCE GMBH

Contact person at the customer:

Christian Drexler, Product Owner, Ismaning:

„tecRacer supports us with its extensive years and long-standing experience in moving various projects to the cloud - an essential part of our digitalisation strategy. Even after the migration, we benefit that our AWS accounts and the entire project are optimally supported by tecRacer.“



Project goals

- Cloud migration of various projects, including TecCom Order.
- Set-up of the project in the AWS Cloud by tecRacer Consulting via Infrastructure as Code with Terraform
- Further support of the project and TecAlliance's AWS accounts by tecRacer AWS Managed Services

Project duration

February 2022 until today

Project performance tecRacer

- tecRacer Consulting:
 - o Design and build a multi-VPC network with managed AD and shared DNS.
 - o Design and build of high availability system landscape on EC2 and RDS
 - o Implementation of a multi-region disaster recovery strategy
 - o Secure connection of external partners via VPN
 - o Build and secure public web services using AWS Web Application Firewall, AWS Global Accelerator, and AWS Application Load Balancer.
 - o DDoS protection using AWS Shield Advanced
 - o Deployment as Infrastructure as Code using Terraform
- tecRacer AWS Managed Services:
 - o Trend Micro Cloud One Workload Security as an anti-malware solution.
 - o Patching via AWS Systems Manager
 - o Monitoring and Alerting via Site24x7 and Opsgenie
 - o AWS Backup and Lambda as backup solutions
 - o Incident, problem and change management
 - o Immediate email contact to the tecRacer 24x7 on-call service via „tecRacer p0 SLA“
 - o AWS Thread Detection Monitoring via GuardDuty

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 or contact us at aws-sales@tecracer.com.

