

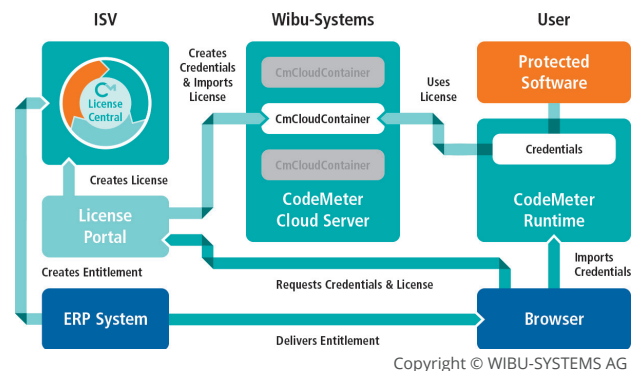
CUSTOMER: WIBU-SYSTEMS AG

tecRacer builds AWS Landing Zone for Wibu-Systems

Founded in 1989, WIBU-SYSTEMS AG is an innovative technology leader in the global software protection and licensing market. In an increasingly interconnected world, this vendor provides its customers with maximum protection, licensing, and security for digital assets and intellectual property. Software publishers and intelligent device manufacturers worldwide utilize their solutions for distributing applications across platforms such as PCs, mobile devices, embedded systems, PLCs, and microcontrollers. With a focus on protection, licensing, and security, Wibu-Systems delivers solutions that are platform-independent and fully interoperable, always prioritizing security.

Landing zone on a greenfield site

tecRacer recreated the entire IT environment in the cloud for Wibu-Systems and built an Amazon Web Services (AWS) landing zone. This gives the greenfield customer an entry point into AWS for a multi-account environment that can keep pace with Wibu-Systems' international growth plans in the future. With its extensive experience in similar projects, tecRacer, as a Premier Tier Services Partner in the Amazon Partner Network (APN), has taken numerous AWS best practices into account.



Scalable database for up to one million end users

Another key part of the project was the creation of a database concept for the CodeMeter cloud solution. CodeMeter is the universal technology for software publishers, device manufacturers, machine and plant manufacturers on which all Wibu-Systems solutions are based. It combines the protection of software against pirated copies, reverse engineering and unauthorized changes with flexible license models while safeguarding users against manipulation and attacks by third parties. Customers can thus distribute their protected software to multiple users. Each user receives the same software with their own license, which determines the scope of use. The environment is now highly available and scalable, so that the solution can support up to one million users.



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Tools, knowledge transfer and empowerment

To build the AWS Landing Zone, the tecRacer team used AWS Control Tower Account Factory for Terraform, Terraform as Infrastructure as Code (IaC), and the AWS Security Hub, which automates AWS security checks and centralizes security alerts. For the database concept, Amazon Aurora PostgreSQL, the in-memory database service Amazon MemoryDB, Amazon Elastic Compute Cloud (EC2), the application load balancer and auto-scaling were used. During the process, emphasis was placed on comprehensive knowledge transfer and customer enablement.

Contact person at the customer:

Uwe Träschütz, Director Support & Wibu Operating Services, Karlsruhe:

"We now have a secure AWS cloud solution from tecRacer that can also keep pace with our planned growth. In addition, tecRacer has transferred extensive knowledge to our team for handling the new system."



CUSTOMER: WIBU-SYSTEMS AG

Project goals

- Greenfield customer: The IT system was completely rebuilt
- Creating an AWS landing zone
 - Entry point into AWS for a multi-account environment that can keep up with Wibu-Systems' growth plans
- Consideration of AWS best practices
- Designing and setting up a database and environment for CodeMeter
 - Scalability of the current solution with up to 1 million users
 - High availability

Project duration

June to December 2023

Project service tecRacer

- Concept and creation of a landing zone
- Knowledge transfer and enabling the customer to use the landing zone

Tools used

- Landing Zone
 - Control Tower and Account Factory for Terraform
 - Terraform as Infrastructure as Code (IaC)
 - Security Hub
- Database concept
 - Amazon Aurora PostgreSQL
 - Amazon MemoryDB in-memory database service
 - Amazon Elastic Compute Cloud (EC2)
 - Application Load Balancer
 - Autoscaling

About tecRacer

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

The strategy remains the clear focus on Amazon Web Services. According to an independent study by Crisp Research, tecRacer is probably the most competent and important partner in Germany in this area. And the focus on AWS proves tecRacer right: tecRacer has been repeatedly highlighted by AWS. In 2023, tecRacer received the "System Integrator Partner of the Year - Germany 2023" award. The owner-managed company, which has also been recognized as a top employer in the SME sector, currently employs more than 150 permanent employees, has trained more than 12,000 participants in AWS and has already successfully implemented hundreds of AWS consulting projects.

You can find more information at www.tecracer.com or contact us at sales@tecracer.com.

