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## tecRacer and entplexit Team Up to Migrate WEKA's Legacy System to AWS

tecRacer and entplexit, two companies with a strong ongoing partnership, have joined forces to help WEKA, leading provider of multimedia professional information solutions, migrate their legacy SAP system to Amazon Web Services (AWS). WEKA sought a cost-effective and reliable solution for maintaining their legacy system as part of a spin-off. This was required to maintain read access due to legal retention periods.

### tecRacer and entplexit: A strong partnership for SAP migration to AWS

The partnership between tecRacer and entplexit aims to provide each other with the necessary skillset for seamless SAP on AWS operations and migration. entplexit, an SAP Gold Partner, has an extensive history of successful SAP Basis projects. Meanwhile, tecRacer primarily concentrates on AWS cloud solutions, with a team well-versed in SAP specifics to effectively communicate with customers to ensure a smooth migration process.



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### Efficient and cost-effective legacy system maintenance with AWS: WEKA's success story

WEKA required a cost-effective and reliable solution for maintaining their legacy system as part of a spin-off, with a specific need to retain their data for legal reasons. Since the server would be turned off most of the time, AWS emerged as the ideal choice due to its flexible and scalable infrastructure. One notable benefit of using AWS is that the customer only pays for storage when the server is powered off, allowing WEKA to efficiently manage costs and resources while ensuring data availability and compliance when needed.

### Security and compliance: How tecRacer optimized WEKA's AWS environment

To address WEKA's requirements, tecRacer provided them with an AWS account and secured it by implementing best practices. These included enforcing MFA for the root account, restricting access to IAM users, and applying a strong password policy. Additionally, tecRacer enabled critical AWS services such as CloudTrail for comprehensive logging of API activity, GuardDuty for intelligent threat detection and continuous security monitoring, and Config for tracking and evaluating resource configurations, ensuring compliance with internal and external policies. The setup was implemented via reproducible Terraform code. The result was a secure and compliant AWS environment tailored to WEKA's needs. By leveraging infrastructure as code, we streamlined the provisioning and management of AWS resources, ensuring a high level of security and automation.



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A new SAP system was installed on the cloud server and configured with minimal resource consumption (vCores/memory) since only a few users will still use the system (for reporting reasons) after the migration. After the installation, the project had to be postponed by the customer for almost a year, here, however, the strength of the AWS platform in terms of flexibility became apparent - with the selected billing model, only the configured disk space is billed when the virtual server is stopped. Therefore, the costs during the delay could be reduced to a minimum, since the file systems were initially created as small as possible and were expanded later, when the project continued.

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### Efficient migration and security solutions: SAP data and threat detection in the cloud

For the actual migration the standard SAP procedure for heterogenous system copies was used to export all data from the original system. With this procedure it was also possible to change the database platform. The export contained approximately 600GB of data, which could be reduced to 40GB using compression. In parallel, the existing Enterprise Information Management (SAP-archive) solution was migrated to the same virtual server. The data was transferred to the cloud server and imported into the new system.

One of the standout features of the security setup is the robust monitoring and threat detection system. We employed AWS GuardDuty, a managed threat detection service that persistently analyzes data from an array of AWS data sources such as VPC Flow Logs, CloudTrail event logs, and DNS logs. Utilizing machine learning, anomaly detection, and integrated threat intelligence, GuardDuty effectively identifies and prioritizes potential threats, furnishing WEKA with real-time alerts and valuable recommendations for remediation.



### Conclusion

In conclusion, the migration to S4/HANA can often lead customers to overlook the importance of retaining and managing their old legacy SAP systems. However, AWS provides an ideal solution for both hosting new S4/HANA systems and maintaining the legacy systems as required. The partnership between tecRacer and entplexit combines their expertise in SAP and AWS cloud solutions, offering a seamless migration experience.

### About tecRacer

tecRacer, headquartered in Hanover and with locations in Duisburg, Frankfurt, Hamburg, Mannheim, Munich, Vienna, Lucerne, Geneva and Lisbon, offers Amazon Web Services Consulting (AWS) & 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).

