

CUSTOMER: FREIRAUM GMBH

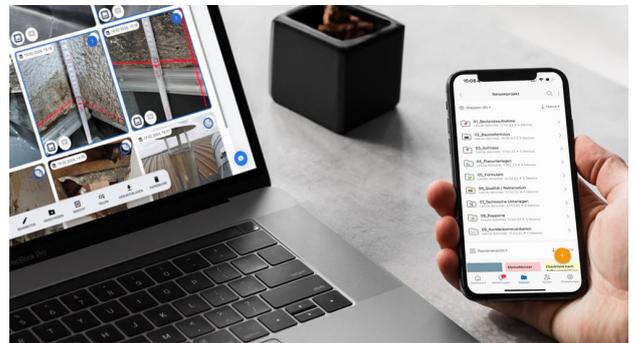
tecRacer enables for MemoMeister.com migration of enterprise search from Solr to Amazon OpenSearch

Freiraum GmbH, a Stuttgart-based startup, offers „<https://memomeister.com> ,“ a digital documentation platform for efficient project documentation and management. The platform features user-friendly tools for organizing information and files with detailed descriptions, comments, and metadata, ensuring structured, traceable projects and smooth handovers. Central to its value proposition is the platform's enterprise search capability, which is essential for organizing vast amounts of information and files.

Recognizing the pivotal role of advanced search functionalities in enhancing user experience and operational efficiency, Freiraum decided to upgrade their search infrastructure from Solr on EC2 to Amazon OpenSearch Service.

The transition involved developing a Proof of Concept (PoC) with a Multi-AZ setup to optimize search functionalities

The evaluation compared moving from Solr on EC2 to Amazon OpenSearch Service, focusing on search capabilities and computing needs. It concluded that OpenSearch offers similar or improved search functions, easier upkeep, and better resource efficiency. Benefits include Multi-AZ resilience, easy maintenance and scalability, which Solr lacks. The Proof of Concept showed OpenSearch meets search needs effectively without extra resources, suggesting potential cost savings and operational improvements, making it a viable option for complex search tasks.



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Customer contact persons:

Jan Schurkus, CEO at Freiraum GmbH:

“During the Proof of Concept Project for the migration of Solr to Amazon OpenSearch Service, we were not only be able to assess the viability of this solution but also initiated the migration process itself. tecRacer helped us to untangle the knots in our minds and unleash the full potential of the service. The impulses they provided were crucial in developing a solution aligned with best practices. We work with a tecRacer on various cloud improvement projects simultaneously, which serves as building blocks for achieving greater success with our customers.”



Steffen Meyer, Senior Software Developer at Freiraum GmbH:

“With the Workshop and tailor made index mapping code examples provided by tecRacer I got the clear picture how to perform the migration from Solr to Amazon OpenSearch Service cluster. The ready to use Terraform configuration scripts saved a lot of time and implementation effort. I am impressed by the overall simplicity of the Amazon OpenSearch Service usage, where we can save a lot of management effort and focus on our core business. I estimate about 50% less cluster management effort reduction and getting much easier scaling process with OpenSearch.”

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Project goals

- Hands-on Experience with Amazon OpenSearch
- Educate developers, demonstrate the capabilities, and collaborate with them to implement Infrastructure as Code (IaC) with Terraform during the PoC
- Equip Freiraum GmbH with the best practices and empower them to apply these techniques themselves in the future

Project duration

November 2023 - January 2024

tecRacer project performance

- IaC Deployment Configuration Scripting with Terraform
- Amazon OpenSearch Service Hands-On Workshop
- Index Mapping Examples and Consulting

Used tools

- 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 OpenSearch Service is a distributed search engine. At the heart of the OpenSearch, it stores data and enables fast searches, fine-tuned relevance and powerful, effortlessly scalable analytics.

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 or contact us at sales@tecracer.com.

