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Customer success story

Backed by key DevOps practices, AVEVA delivers new SaaS apps

New to SaaS and AWS, the development team learned to deliver on time and within budget while building capabilities and knowledge.

Customer challenge

AVEVA builds world-class engineering and design applications to support several industry verticals, including oil and gas, utilities and marine companies. In response to increasing market pressure to provide better digital experiences for its customers, the UK-based global IT consulting company diversified its offerings with the addition of software as a service (SaaS) solutions. As part of the SaaS program, many of AVEVA's applications were deployed to the AWS cloud.

Recognizing the need to accelerate delivery and provide expertise in continuous delivery and AWS infrastructure architecture, the AWS professional services team partnered with Contino, a Cognizant company, as a trusted enterprise DevOps partner. Contino's role was to ensure that AVEVA started with best practices to ensure successful delivery on time and within budget while building up capabilities and knowledge within the AVEVA development team.

AWS + Cognizant solution

Our team engaged with a dual delivery and upskilling approach to help the client deliver on its strategic project. With a focus on skills transfer and improving AVEVA's DevOps capability, we built the foundation for a continuous delivery pipeline and improved automated deployment mechanisms. We also helped automate and configure the management of Amazon Machine Images.With a focus on skills transfer and improving AVEVA's DevOps capabilities, the team assisted with building the foundations for a continuous delivery pipeline and improved automated deployment mechanisms. We also assisted with automating the creation of configuration-managed Amazon Machine Images.

Additional aspects of the solution included architectural oversight and guidance for the agile development of the cloud platform, governance and advice on DevOps and AWS security best practices, and assistance ensuring AWS best practices were applied.

We provided knowledge and experience with serverless architecture, design and implementation using AWS native resources including AWS Lambda with JavaScript, DynamoDB, API Gateway, SNS, SQS, CloudFormation and CloudFront. The team's experience also contributed to the development of AVEVA's cloud platform, which is based on serverless architectures with AWS Lambda.

Our team coached and upskilled AVEVA staff to understand each delivered work package so it can be reused with other teams. Filmed lunch-and-learn sessions were socialized within AVEVA, focusing on new technologies like HashiCorp Consul and Vault.

The outcome

AVEVA's core development teams have a deeper understanding of microservices, CI/CD and the AWS platform, and the company is better placed to bridge the gaps between development and operations. These advancements allow AVEVA to accelerate the future development of its applications and innovation platforms.