# DevOps on AWS Case Study
## Accelerating E-government with AWS

## About Flemish Government - Agency for Facility Services

The Flemish Government is the executive branch of the Flemish Community and the Flemish Region of Belgium. This case study concerns the "e-forms" project from the Agency for Facility Services. This project was part of the E-government initiative from the Flemish Government.

## THE CHALLENGE

The system needed elasticity to support a varying application workload load on a highly secure platform. All communication would take places towards the e-forms service in a highly secure, encrypted manner. Due to the critical work stopping nature of failure the solution needed to backed by Managed Services. Application updates needed to be repeatable and auditable.

## THE SOLUTION

AWS OpsWorks managed stacks for maximum flexibility in configuring the Adobe Experience Manager application across nodes in a repeatable manner. All Amazon Elastic Block Store volumes make us of Key Management Service to encrypt data at rest. AWS Identity and Access Management (IAM) was used to ensure that instances had only access to permissions required for their task. Cloudtrail used to monitor the IAM actions taking place on the account.

## THE BENEFITS

### SHORTER TIME TO MARKET

Due to the automated deployments changes are pushed to production in hours instead of weeks.

### ENCRYPTION AS A FIRST CLASS CITIZEN

Due to the use of TLS certificates and KMS all data in the system is protected against prying eyes.

### HIGHLY ELASTIC

Due to the use of Auto Scaling Groups the solution is able to scale to meet the actual needs of the application.

## ABOUT CLOUDAR AND AWS

Cloudar, an AWS Premier Consulting Partner & an AWS Next-Gen Managed Service Provider Partner, was founded in 2014 with a 100% focus on Amazon Web Services. As DevOps, AWS and infrastructure experts, Cloudar offers rock solid, high available and scalable solutions for any type of business in the AWS Public Cloud. Being part of Xplore Group (https://www.xploregroup.be/en.html), Cloudar can offer their customers complete solutions that go beyond AWS expertise such as Big Data, Ai & Machine Learning Solutions, Cloud Native Development, ... Cloudar has delivered dozens of agile, right-sized projects and provides 24/7 Managed Services to customers across all industries (including public sector), creating a well-architected core from which these organizations can operate and grow their journey in the AWS Public Cloud.

AWS Managed Service Program partners are Next-Gen managed service providers with expertise in running DevOps environments so you can focus on your core business.

## NEXT STEPS

To learn more about AWS and how Cloudar can help you with DevOps expertise on AWS, contact sales@cloudar.eu or visit www.cloudar.eu