



# DevOps on AWS Case Study

## Gadget Optimization

### About Evidon



Using Gadget (web scanning), Evidon aims to make the complex world of Digital Governance simple. As the importance of customer trust continues to grow, Evidon works tirelessly to create a comprehensive approach to data collection. Websites, applications, and ads are potential pitfalls for any company collecting data. Evidon guides companies to better data governance by utilizing AWS services. Growing demand for GDPR compliance has increased Gadget's workload. This has put stress on the legacy EC2 services and made spot instance management difficult.

#### THE CHALLENGE

Updating applications - The .NET 4.6 code is outdated and has limited functionality outside of Windows OS.

Meeting demand - Spot instances are difficult to manage and scale.

Windows licensing - Windows servers are expensive and require more processing power.

Code delivery - Making updates to Gadget is slow.

#### THE SOLUTION

Port code to .NET Core to optimize application performance.

Use Auto Scaling behind an ECS Cluster to scale on demand.

Run Gadget projects from a Linux based instance.

Send code through CodePipeline to add controls and increase update speed.

#### THE BENEFITS

**Budget - Save on resources**  
Running Linux can help save money for all EC2 instance types.

**Containers - Portability is key**  
Run your code with less infrastructure and more portability.

**Delivery - Increase speed**  
Use CodePipeline to streamline delivery and increase release rate.

#### ABOUT OBSERVIAN AND AWS

Observian provides the resources needed to improve your cloud operations. Our goal of helping you develop useful, repeatable, and automated cloud solutions is augmented with ongoing support and education.

Organizations using a DevOps model deliver applications quicker and innovate faster. AWS offers infrastructure resources designed to support continuous integration and delivery, infrastructure as code, microservices, and monitoring & logging.

#### NEXT STEPS

To learn more about how AWS and Observian can help your business, visit [www.observian.com](http://www.observian.com)