Engineer Platform

Ran 20 Docker apps on Google Cloud and AWS

Deployed and maintained 20 Docker containerized applications, troubleshooting with Podman and Kubernetes, and managing R-based apps on Google Cloud and AWS.

2022 – 2024

20

containerised applications deployed and watched

Situation. There was a growing set of containerised applications — including some R-based analytics apps — running across both Google Cloud and AWS. Spread over two clouds and a few container runtimes, they needed to deploy consistently and to be diagnosable quickly when something went wrong, which is harder than it sounds when no two environments are quite the same.

Task. Deploying and maintaining those workloads reliably, and being able to diagnose problems fast across the runtimes and clouds, was the job.

Action. The containerised estate was managed across both clouds — twenty Docker applications deployed and maintained with consistent configuration and monitoring, so they weren't each their own snowflake. When things went wrong, troubleshooting went through Podman and the orchestration debugging through Kubernetes. The R-based analytics apps got dedicated attention in the Google Cloud and AWS production environments, kept stable and reproducible, which for analytics matters — a result you can't reproduce isn't much of a result.

Result. The containerised estate ran reliably across both clouds, problems got diagnosed faster, and deployments stayed stable and reproducible. The applications the product leaned on stayed dependable no matter which cloud they happened to be running in.

Bring this experience to your project

Use “Ran 20 Docker apps on Google Cloud and AWS” as a starting point for a similar challenge in your organisation. The services behind this work are available for your project. Servers sized for what you actually use, moved into the cloud or back out of it, with the monthly bill worked out first.

Explore our services Get in touch →

Look behind the result

Read the situation, decisions and result in this example. We can discuss which parts transfer to your constraints and which need another approach. Ran 20 Docker apps on Google Cloud and AWS — 20 containerised applications deployed and watched

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Need your apps containerised and portable?

Talk through your project with the engineer responsible for delivery. We agree the scope, price basis and handover in writing before work begins.

Role context: DevOps Engineer. It draws on Data Analytics, DevOps, Infrastructure, Cloud, Containers (Docker/Kubernetes), Automation & CI/CD and Reliability & Backups. And while you are here, we are rather good at Cloud Infrastructure & Migration, DevOps & CI/CD Automation and Containerization & Orchestration.

Get in touch Explore our services

One piece of **a longer record** — and it is all on this site.

Every entry is written the same way: the situation, the task, what we did and what changed.

See the whole record

Define the improvement you need

Bring the deployment path, the operational risks and the people on call. We can scope a change with checks, a recovery route and clear ownership.

See what it costs Get in touch →

Need your apps containerised and portable?

Ask about the decisions behind “Ran 20 Docker apps on Google Cloud and AWS”. You will speak with the people who can explain the work and assess your own project.

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