



codurance | CASE STUDY

The Portfolio Collective



Migrating a community careers platform to deliver scale and resilience in the cloud.

About Portfolio Collective

The Portfolio Collective (TPC) provides a platform bringing together a global community of Portfolio Professionals to learn, share and collaborate in order to land new work and accelerate their careers.

Started at the height of the pandemic in July 2020 and headquartered in London, the business has grown to more than 4000 members and now includes a program of events, referrals, job search, training classes and community resources.

The Challenge

The first two years of TPC's business was about proving the business model, growing the community and gaining investment (there are now more than 200+ community investors). As the business continued to grow, TPC looked at how it could improve its platform for the next stage in its journey.



Built initially on Google Cloud Platform, TPC made a strategic decision to migrate their platform to AWS which they hoped would allow them to leverage automation, improve scalability, maintenance and observability.

TPC had to complete the migration in a challenging timescale, with a target migration window of 4 weeks. The business had an extra pressure that they required the migration to be delivered within a 4 week timeframe.

TPC reached out to AWS to source a suitable partner that would have the right credentials to deliver the migration within budget and on time. Codurance was recommended by AWS as holding the ideal level of recognised expertise and skills to guide TPC on their journey to the AWS cloud.

What we did

TPC engaged Codurance to support its migration to AWS. Before starting the migration, our platform engineers conducted a discovery session to understand the existing technical landscape, the business domain and define the target architecture . We used the [*C4 Model*](#) to visualise the architecture and understand how to best replicate the components from GCP into AWS.

Once we had the target architecture agreed, we migrated the entire TPC workload to Amazon Elastic Kubernetes Service (Amazon EKS) – a managed container service that enables microservices applications to run in the cloud.



Our team of AWS Certified platform engineers utilised automation from the start, delivering Infrastructure as Code (IaC) with a security-first mindset. The migrated platform was built to AWS Well-Architected best practices that included creating a migration plan, producing clear and reusable documentation and providing visibility of progress to the whole team.

In addition to delivering a successful migration, Codurance also provided expert strategic advice to ensure the solution was optimal for TPC's business now and in the future. We provided an Engagement Manager who oversaw the migration from a business perspective, proactively identifying and unblocking any risks, keeping the customer stakeholders fully informed of progress and ensuring the team maintained the required velocity throughout.

We supported TPCs in-house team of engineers through sharing and transferring our methodology and agile best practices such as daily standups, pairing, mob programming, DevOps, CI/CD and remote working.

This ensured that we not only migrated the TPC platform into AWS on time but we also instilled modern practices and new technology skills as part of the engagement.



Outcome

Codurance completed the entire migration from Google Cloud Platform to AWS within The Portfolio Collective's required 4 week timeframe. The migration was delivered with almost zero downtime, allowing the business to continue operating for its customers with no disruption.

The new platform, fully hosted in AWS, is now fully automated and secure by design, enabling easy autoscaling and bringing all the value that the cloud can offer to this fast-growing scaleup.

Portfolio Collective can now manage its high volume of user data more securely and gain access to it more easily, allowing better insights and opening up opportunities to further support its customers. The containerised architecture allows for faster feature releases and provides a solid foundation for the platform to evolve and improve at the same speed as the business.

The Portfolio Collective was also able to access AWS funding via the partnership with Codurance to offset some of the migration costs, delivering even more value and accelerating their success by working with a trusted partner.



TECHNOLOGIES USED:

- Amazon EKS
- Amazon Elastic Container Registry (ECR)
- Amazon Relational Database Service (RDS)
- Amazon Virtual Private Cloud (VPC)
- Amazon CloudWatch
- Amazon Elastic File System (Amazon EFS)
- AWS Identity and Access Management (IAM)
- Jenkins
- PHP for Wordpress
- Tideways
- Grafana

PRACTICES

- Agile ceremonies – daily standups, pairing, mob programming
- DevOps
- CI/CD
- Automation
- Security first mindset
- Built to AWS Well-Architected best practices



Codurance Service Lines Delivered:



PLATFORM
ENGINEERING



TRAINING



STRATEGIC
ADVICE

Testimonial

“ The Codurance team was committed to delivering the project on time and with high quality. They offered us advice throughout the migration process and were flexible, adapting to our needs and requirements. Ultimately Codurance has extensive experience in the field and is a company that cares about delivering value to its customers – it’s a winning combination.

Jesus Iniesta

Chief Technology Officer, The Portfolio Collective

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Codurance is a global software consultancy that helps businesses build a better, sustainable technical capability that supports growth and innovation.

We build well-crafted, reliable, secure and easy to modify software that minimises waste, and reduces cost and delivery times.

For more information visit: www.codurance.com