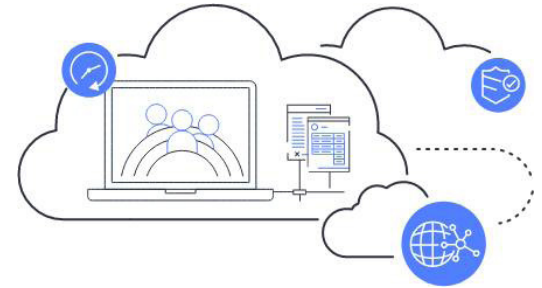# Leveraging the AWS Cloud:

UMA - An Ubertas Consulting AWS Case Study

The Challenge

UMA's platform has been built from the ground-up to be Cloud-native, embracing Cloud best-practice design principals such as micro-service architecture, serverless technologies, CI/CD pipelines, and infrastructure-as-code to develop a secure, resilient and scalable platform for their Customers.

UMA engaged Ubertas Consulting, an Advanced AWS Consulting Partner and Well-Architected Framework Program Partner, because they wished to advance their platform even further, to leverage the AWS Cloud in the best possible way.

The Solution

Following an initial Well-Architected Review of UMA's Cloud environment, Ubertas Consulting worked closely with UMA's DevOps Team to enable them to adopt more Cloud-native practices within their application; the two teams worked collaboratively to understand where the greatest benefit could be sought technically, whilst ensuring that all design decisions were cost optimised.

As a result of their engagement with Ubertas Consulting, UMA were able to:

- Migrate from PostgreSQL to Amazon Aurora, a cloud-native database engine, which provides higher like-for-like throughput, increased scalability, asynchronous crash recovery, improved fail-over times, and increased data durability – all improving the resilience of UMA's service further for their Customers.

- Understand how to adopt Cloud-native queueing systems within their application architecture, enabling them to improve resilience whilst **reducing their queuing infrastructure costs by over 98%.**

- Enhance their proactive response capabilities using real-time metrics and log data, whilst optimising their monthly expenditure in these areas for maximum cost efficiency.

About UMA

UMA (Unify, Manage, Assist) is a PropTech business founded in Halifax, Yorkshire United Kingdom, they now have teams based in Belfast, London, Washington DC and Tel Aviv.

UMA's mission focus was developed in response to the need for workplaces and campuses to innovate and digitally transform to improve user experiences, collaboration, reduce real estate costs and carbon footprint. Their open platform allows the connection of existing workplace technology such as audio-visual and video collaboration equipment and Internet of Things (IoT) sensors to provide additional data sources such as Air Quality and energy management linked to occupancy.

> "We were looking for a partner to work with to assist with best practices within our AWS Environment, Ubertas made the process simple from day one. David did a fantastic job, after reviewing our environment he compiled a list of recommendations & best practices which not only have made our environment even more robust for our Clients but reduced our month on monthly spending. We host out of multiple AWS environments & will be using Ubertas again soon."

**Dean O'Meara,
Solutions Architect - UMA**

AWS Well-Architected Framework Partner Program

When designing and building Cloud platforms on AWS customers can benefit from the best practices driven from thousands of deployments across and embodied in the Well-Architected Framework. Aligning to the Well-Architected Framework often starts with a review and Ubertas Consulting provide this service to customers at zero charge/cost as our commitment to the program.

Why Ubertas Consulting

Ubertas Consulting is a Cloud consultancy specializing in Amazon Web Services.

As an Advanced Partner, AWS Channel Reseller (Solution Provider Program) and Well-Architected Framework Program Partner, our mission is to assist companies drive innovation and build new capabilities through embracing "Cloud Native" technologies and modernising with Amazon Web Services (AWS).

Our consultancy services span the breadth of AWS technologies and range from advisory through to full implementation as we assist customers in applying the foundations of Well-Architected to migrate and operate their mission critical workloads in the Cloud.

To find out more about Ubertas Consulting and take your next steps to being Well- Architected visit us at www.ubertasconsulting.com or contact us at info@ubertasconsulting.com.