EPI·USE®

Camarade – Improved security, resilience and high efficiency

About Camarade

Camarade is a global community of SAP® clients and professionals. Their main objective is to allow clients and professionals to connect through a network, thus reducing the time associated with SAP talent acquisition and allowing people to find the right opportunities quickly.

camarade
search. select. simple.

The Challenge

The requirement to be **cost-conscious without compromising on system performance**

A need for improved security with best practices

A lack of **monitoring and governance strategies**

The Solution

A cost-efficient solution

Proper security measures with best practices

Monitoring and governance strategies

Effective data backup in the AWS environment

The Challenge

In 2020, Camarade signed up with EPI-USE Services for AWS, for managed support. By then, their AWS environment was already set up and resources were deployed. However, our in-depth analysis of their infrastructure recommended improvements, specifically to security. Subsequently, we started working towards improving their cloud security postures through rigorous audits, monitoring, and recommendations. Our team of experts also recognized the need to implement security best practices, and to establish effective monitoring and governance strategies for the client's infrastructure. By incorporating a cost-conscious approach, we were able to highlight areas of possible cost optimization without compromising on system performance.

The Solution

Based on our analysis and audit findings, we were able to suggest and implement proper security measures and governance strategies for Camarade. We simultaneously devised an action plan for cost optimization and effective data backup within the client's AWS environment, including:

Enhancing Camarade's security posture
- Strictly adhered to IAM security best practices, such as minimizing root user logins for everyday administrative tasks, enforcing MFA, delegating IAM users following the principle of least privilege, and removing dormant IAM users from the account.
- Evaluated Security Groups (SGs) to ensure they allowed restricted access; modified SGs that were overly permissive, and removed the ones that were no longer in use.
- Did a complete and detailed review of every single resource that was deployed in the environment.
- Notified Camarade regarding the resources that were publicly accessible and took necessary measures to improve their security posture.

Data protection and effective disaster recovery
- Recommended introducing appropriate backup strategies for Camarade's EC2 Instances.
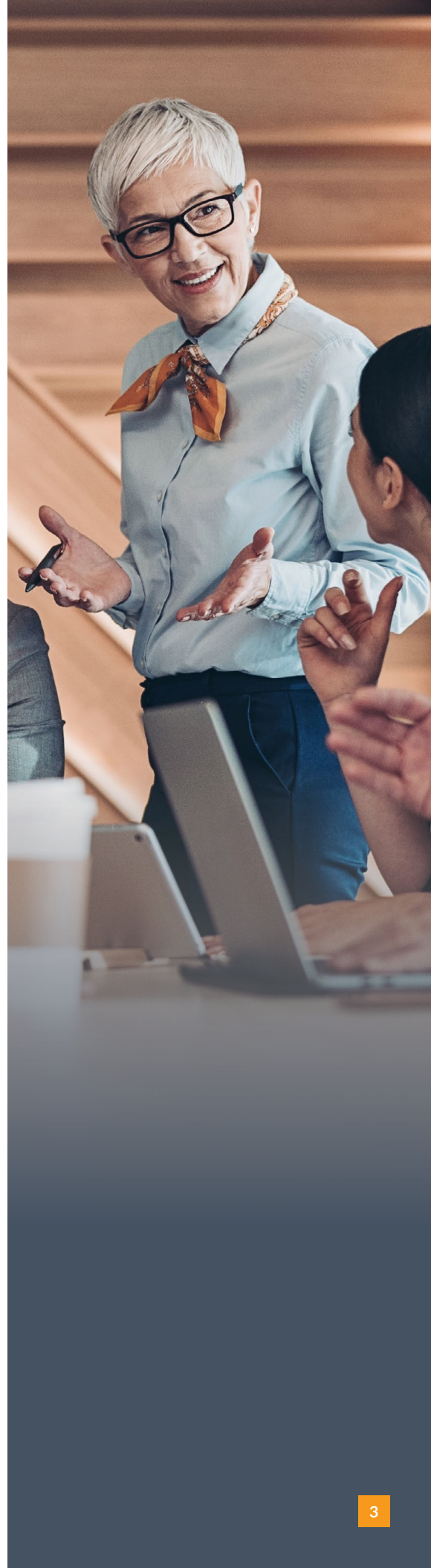
Proper monitoring and governance strategies for client servers

- Added client servers to our Internal OMD monitoring system to ensure rapid detection of issues, thus improving the application availability.
- Enabled external monitoring for Camarade's public-facing URLs.
- Enforced resource tagging within Camarade's AWS environment.
- Enabled Cloud trail to keep track of account activities within Camarade's infrastructure.

Optimizing AWS costs

- Removed obsolete resources within the AWS environment.
- Analyzed usage patterns of resources and suggested possible options to downsize underutilized resources.
- Performed several resource upgrades to the latest generation for better price performance. A few of the examples include upgrading RDS dB instances to T4g series, and upgrading EBS volumes from gp2 to gp3.

The Benefits

With our expertise and proficiency in AWS, we successfully implemented a Well-Architected Framework for Camarade's infrastructure. We assisted them in evolving their existing environment to incorporate pillars of security, resilience, and high efficiency, with an emphasis on cost savings.

As an AWS Solution Provider, we provided Camarade with 'Billing as a service'. This service includes monthly invoicing of AWS fees and frequent cost optimizations that are passed onto Camarade.

Improved security practices

Cost savings

A Well-Architected Framework for Camarade's infrastructure

A novel and fool-proof version of Camarade's AWS environment

Detailed documentation on the improved AWS environment, including backup setup and monitoring and alerting setup

About EPI-USE Services and AWS

EPI-USE Services for AWS offers robust and scalable hosting solutions, based on AWS. As a Next-Gen Managed Services Provider (MSP) we provide managed services and consulting services for AWS, including assessment, development, migration, management, and optimization, allowing our clients to focus on their core business. By providing a flexible cloud migration methodology, we tailor our migrations to each client's unique requirements. This allows any business to move from traditional server environments to AWS quickly and efficiently, with little to no impact on existing environments.

To learn more about how we can help your business, contact info-aws@epiuse.com or visit epiuse.com/aws-services.

groupelephant.com is a largely employee-owned group of companies, nonprofits and impact investment organizations, with a strong global presence. The Group is characterized by a primary strategic imperative in terms of which it goes 'Beyond Corporate Purpose' in its day-to-day activities.