adesso

AWS CLOUD MIGRATION PROJECT: PM TÜRKİYE

USE CASE

Contents

The Client: **PM Türkiye**

Operating as two subsidiaries, Philip Morris Türkiye manages production, sales, and marketing functions in Turkey with a workforce of about 1,700 employees. The company is one of the largest enterprises in the market, its presence exceeding USD 1 billion.

PM Türkiye invests in multiple common good areas, such as digitalization, sustainability, inclusion and diversity, agriculture, and socioeconomic programs. While expanding its operations, it is also transforming its business operations to empower its employees to excel and contribute to sustainability goals.

The Challenge: **Transitioning from On-Premise Datacenters to the Cloud**

In a bid to enhance its IT infrastructure and foster operational agility, PM Türkiye faced the challenge of transitioning from on-premise datacenters to the cloud. The goal was to migrate over 20 applications and their associated data layers to a more scalable and flexible environment.

Additionally, seamless authentication and integration with existing systems was paramount, along with maintaining stringent security standards.

## The Solution: **Comprehensive Cloud Migration and Collaboration**

adesso's teams, in collaboration with PM Türkiye, undertook the ambitious task of moving a vast array of applications and data layers to the AWS cloud platform. During this migration process, the necessary authentication processes were meticulously re-engineered to ensure compatibility between existing applications, redeveloping and integrating the cloud platform with Azure AD.

Furthermore, managed services (PaaS) on the AWS platform, including data storage, caching, messaging, and more, were seamlessly integrated into the applications.

Another part of the solution was embedding the DevOps mindset and essential toolset into the application development, deployment, and monitoring processes. As a result of these integrations, all infrastructures are now provisioned using the infrastructure-as-code (IAC) approach, and the application build and deployment processes are automated through CI/CD pipelines.

Moreover, advanced security components provided by the cloud platform, along with automated security checks, were incorporated into both runtime and development phases.

The Result: **Seamless Transition of PM Türkiye's IT Infrastructure**
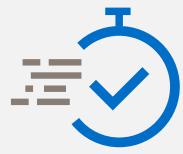
Under the guidance of adesso's teams, the migration of identified workloads to the AWS cloud platform through careful refactoring was completed with precision within the tight 6-month deadline.
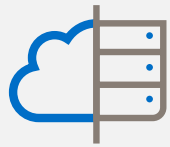
The outcome was a revitalized cloud infrastructure that enhanced the agility and flexibility of PM Türkiye's delivery processes, providing on-demand access to rapid cloud services, and implementing higher levels of automation.

The project not only leveraged the potential of DevOps solutions but also raised the standards of delivery quality and security.

Success in Numbers

19 applications successfully migrated

5 mobile apps integrated with AWS API Gateway

14 Windows file shares transferred

10 databases seamlessly transitioned

Migration completed **in 6 months**

Collaboration with **10 different partners**

Notable **Achievements**

◆ On-premises Mail SMTP server replaced with the AWS SES solution.

◆ Manual application build and deployment processes replaced with CI/CD pipelines.

◆ Terraform used as the infrastructure-as-code solution.

◆ Integration of Azure AD and multifactor authentication for public applications.

◆ Advanced monitoring solutions integrated with databases and applications.

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