



Case Study

Cloud Managed Services (AWS) for Veolia - France Region





Client

Veolia group aims to be the benchmark company for ecological transformation. With nearly 220,000 employees worldwide, the Group designs and provides game-changing solutions that are both useful and practical for water, waste and energy management. Through its three complementary business activities, Veolia helps to develop access to resources, preserve available resources, and replenish them.



Challenges

Managing the infrastructure for customer accounts on cloud without adhering to best-practice leading to cost overruns, security gaps, and ongoing operational issues.

- ☑ High operational costs.
- ☑ Manual tasks to archive log files and store the backup file.
- ☑ Security non-compliance.
- ☑ Older Windows Operating Systems.
- ☑ No Regional Availability for disasters.



LTIMindtree Solution

To enhance the Veolia's AWS infrastructure which complies with security, operational excellence, reliability, performance efficiency and cost optimization and ensure that the proposed solution is aligned to well-architected framework.

01

Successful OS upgradation activity for all the servers in the environment from 2016 to 2019.

02

Matured AWS managed services model by implementing Well Architected Framework.

03

Devised resilience and migration plan.

04

Cost optimization by the clean-up of unused volumes and AMI, S3 unused files, and migrating volumes from GP2 to GP3.

05

Successful encryption and decryption of files in Germany and implementing security measures as per the Veolia's security policy in the environment.

06

Implementation of automation script to reduce manual efforts.



AWS Services Used

- Amazon EC2
- AWS Cost & Usage reports
- AWS Backup
- AWS IAM(MFA)
- Amazon Virtual Private Cloud & AWS Elastic Load Balancing
- Amazon CloudWatch
- Amazon EBS
- AWS Security Hub
- Amazon S3



Business Benefits

With the effort of bringing in best practices in place, Veolia was benefitted with better infrastructure management with governance, improved security and reduction in costs.



Cost savings of **USD 23,499.80 per month** by clean-up of unused volumes and AMI, Amazon S3 unused files and migrating volumes from GP2 to GP3.



Improved availability, security, and compliance.



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