



SUCCESS STORY

YPF

“With the migration to the cloud, YPF's monthly settlement went from 8 to 4.5 hours for 10,000 employees.”

Julieta Arguello, Chief of Payroll Accounting, YPF

SNP and AWS Realize Challenging S/4HANA Cloud Migration for YPF

About YPF

Yacimientos Petrolíferos Fiscales is an Argentine energy company which is active in the exploration and production of oil and gas. Within its daily work, it is also committed to the transportation, refining and commercialization of gas and petroleum products. YPF was founded in 1922 and, to this day, uses technology, research and constant innovation to provide the best energy solutions.

The Challenge

The migration of the company's most important landscape (LKO-LP0) was carried out with the CrystalBridge® Transformation module, allowing a downtime of only 24 hours. This was a major benefit for the company, whose stipulated downtime was at least one week, given the size of its server.

The SAP cloud migration project was by far one of the most challenging ones. The objective was to move 33 productive instances, 120 instances with more than 1,500 interfaces to other applications, 170 servers, and 300 TB of data in the shortest possible time. There were two main reasons for considering this a major task: First, it was one of the most complex migrations at a regional and global level; second, the project was completed in only 12 months, working completely remotely due to the restrictions of the pandemic.

The Solution

The project carried out for YPF consisted of migrating more than 170 servers to the AWS cloud over the course of one year. This translates into 170 go-lives, one for each server migrated. On average, three to four migrations were executed per weekend. SNP Latam provided the team of migration consultants in charge and carried out the coordination together with AWS and YPF. The project started in July 2019 and lasted until August 2021. The work was accomplished without any deviations thanks to the team coordination and effort of SNP, AWS and YPF.

The Benefits

- YPF increased the speed of its business processes by 30%.
- A 50% reduction in payroll processing time was achieved.
- The company's security and information availability increased significantly.
- The energy company recorded improvements in service level agreements (SLAs), reaching 99.99% availability.

Key Facts

Project Type:	SAP S/4HANA Migration to the AWS Cloud
Duration:	14 months
Scope:	170 servers were migrated including their respective test cycles
Data volume:	300 TB

Our Partnership with AWS

Amazon Web Services was in charge of creating the infrastructure in its cloud and developed the deployment in it. It was also responsible for assigning the hardware resources and the prime contractor.

For some specific YPF servers, AWS was in charge of the respective migrations.