

Optimize and Modernize Production Support for SNCF Réseau

About the Customer

SNCF Réseau is a subsidiary of Société Nationale des Chemins de Fer Français (SNCF)—France's national railway company. SNCF Réseau operates and manages the SNCF rail network infrastructure, which consists of about 32,000 km of rail lines.



Business Situation

Since January 1, 2015, SNCF Réseau, born from the merger of Réseau Ferré de France (RFF), SNCF Infra and the Directorate of Rail Traffic (DCF), trains a single rail infrastructure manager and manages the french rail network. As part of the reorganization of its IT production, SNCF Réseau wanted to significantly optimize and modernize its production support. SNCF Réseau started to migrate its application with Atos to the AWS cloud in 2018.

Customer Situation

Registered in the global plan of the SNCF, SNCF Réseau was looking for collaboration within the extended enterprise, use of IoT and big data, transformation of existing applications, and finally purchase solutions exclusively in the cloud.

Maintaining current datacenters become more and more complex and expensive. AWS enables the company to build faster and offer unique capabilities that lead to significant gains.

Optimized processes and reduced operation and maintenance costs.

Solution

Through the Atos OneCloud initiative, Atos gave a framework to the teams in charge of cloud, enabling them to organize and adapt the organization in an agile way.

The Atos philosophy is to embrace the customer strategy and adapt our tools and organization to the business needs.

Results

Atos has changed the client's model of operation to enhance agility and velocity. This model is organized around a multidisciplinary and autonomous team that allows SNCF to develop tools to automate deployment, monitoring, and security rules integration. This effort led to reduction in:



Infrastructure cost



Operational cost



Incidents and
outages



Lead time
for change



Cost of technical
acceptance tests

Why the customer chose AWS

AWS gives a strong and reliable infrastructure allowing SNCF Réseau to host and meet the exigence required by the critical applications.

The richness of the AWS catalog gives SNCF Réseau answers to many of its challenges, especially in terms of tools for the developer, AI/ML, and security.

Why the customer chose Atos

SNCF Réseau aims to make its production exemplary in terms of control and efficiency of its IS through an IT player facing, at the same time, high challenges:

- Guarantee the quality of operation of critical applications and their environment.
- Support SNCF Réseau in its strategic move to cloud project with adaptation of the delivery model.
- Participate in reducing the number of incidents, by emphasizing support and the qualitative improvement of production management.