ONCE AWS infrastructure management service

We helped ONCE improve its processing and storage capacity in the cloud.

PUBLIC ADMINISTRATION   TELEFÓNICA'S CLOUD   PARTNERS' CLOUD

ONCE is an organization with the main mission of **improving the quality of life** of blind or severely visually impaired people through the provision of a wide range of social services that allow their full social inclusion.

It relies on the efforts of a wide network composed of many professionals, which allows **more than 70,000 people** (from children to the elderly) to face their daily life with guarantees, promoting their personal autonomy. Education, employment, rehabilitation, adapted technology, leisure, culture, sports, communication and a thousand realities within the reach of everyone with specialized and specific attention.

Challenges

ONCE needs a partner that offers a portfolio of comprehensive solutions and expertise for the **management of its platforms deployed in the AWS cloud.**

The organization has multiple accounts in AWS in which a segmentation by application lifecycle has been performed: **Development > Integration > Acceptance and Production.**

The applications implemented by ONCE and its suppliers go through the different phases of this cycle until they are deployed in the production account.

ONCE also requires a **direct connection between its corporate network and the cloud deployments.** This connection must have some redundancy to be robust to failures.

Solutions

Telefónica Tech offers the management of ONCE services implemented in the AWS cloud, which covers the design and deployment of new platforms, monitoring and maintenance of existing infrastructure, connectivity solution (Cloud Connect and VPN) with the corporate network and management of backups of managed services.

We currently manage an infrastructure that employs more than 30 AWS services that support web applications, Big Data solutions, monitoring or storage. These services include Route53, API GW, CloudFront, OpenSearch, Glue, GuardDuty, AWS WAF, EFS, CloudHSM, Direct Connect, EC2, S3, or RDS.

We also provide support during the deployment phase of new platforms and applications with meetings in which we synchronize with the client and their providers to adjust the configuration of services or perform joint tests to identify potential problems in the implementation.

Results & Benefits

AWS cloud solutions have allowed ONCE to be **more agile in the deployment of new platforms** and to focus on developing solutions that meet its business needs. The AWS cloud offers multiple services that respond to almost any of ONCE's demands and improve the capabilities that could have equivalent on-premises infrastructures, also reducing the operational burden through the use of managed services.

Having a partner with the experience of Telefónica Tech has allowed ONCE to **optimize the design of its architecture** taking into account the recommendations and best practices of AWS. In this way, we have added security capabilities, high availability, automatic scalability based on demand or CDN. We have also always taken into account operational and economic efficiency with proposals aimed at optimizing these pillars.

Telefónica Tech also has cloud connectivity solutions in its portfolio, thus avoiding ONCE having to rely on additional providers for this type of service. The customer is assured of a **better integration between equipment and a single communication interface** to which to direct their requests by covering both types of solutions (cloud and connectivity) with the same provider.