

Improves scalability and resilience migrating to AWS



Executive Summary

The customer, responsible for managing public education and sports services, was facing operational and scalability challenges with its on-premises infrastructure.

To address these issues, it engaged Acces Group, an AWS Partner, to migrate its servers to AWS, ensuring business continuity, cost optimization, and improved security and resilience. Today, the institution operates with a more agile, scalable, and future-ready infrastructure.

About the customer

The institution is dedicated to educating individuals with responsibility and commitment through knowledge generation and innovation. It promotes quality, inclusion, equity, solidarity, and a humanistic spirit in education and sports, aiming to improve living conditions through multidisciplinary skills, competitive training, and the promotion of traditions and values.

Customer Challenge.

The institution's IT infrastructure was fully on-premises, creating significant limitations in scalability, maintenance, and responsiveness.

Key issues included:

- Expensive and time-consuming hardware refresh cycles
- High levels of manual intervention for server and application management
- Lack of centralized visibility, automation, and monitoring
- Difficulty in proactive incident management

Unresolved, these problems risked service availability and hindered digital transformation efforts.

Why AWS

The customer chose AWS due to its:

- Robust global infrastructure
- Compliance with international security and privacy standards
- Broad portfolio of services for modernization, automation, and monitoring

Its on-demand scalability, pay-as-you-go model, and high availability made it the natural choice for a secure and sustainable migration.

About Secretaría de Educación y Deporte del Estado de Chihuahua.



The Secretaría de Educación y Deporte del Estado de Chihuahua has developed an educational model designed to be inclusive, comprehensive, and equitable, promoting learning opportunities for every citizen of Chihuahua.



Why the Customer Chose the Partner

Acces Group was selected as an AWS Consulting Partner for its experience in public sector projects, understanding of both technical and business requirements, and its ability to deliver a controlled, secure migration strategy.

The decision was also influenced by its certified technical team, collaborative approach, and compliance with industry standards.

Partner Solution

Acces Group implemented a structured migration strategy that included:

- Detailed infrastructure assessment and workload prioritization
- Multi-server migration via AWS MGN, minimizing downtime
- Deployment of instances on Amazon EC2 within Amazon VPC
- Database operations with Amazon RDS
- Centralized monitoring using CloudWatch and CloudTrail
- Application protection with AWS WAF

Results and Benefits

- 99.99% availability for critical services
- Improved provisioning times for new servers
- 40% faster incident resolution thanks to automation and monitoring
- Scalable architecture ready for future innovation

The institution now benefits from a flexible and modern platform, aligned with Mexico's national digital transformation agenda.

About Acces Group

Acces Group is a Mexican company with more than two decades of experience in technology consulting, cybersecurity, and managed IT services. We provide specialized consulting in IT management, auditing, and strategic advisory, offering a comprehensive approach to the critical operational areas of organizations.

Our services deliver measurable value by improving control and visibility over technological and human resources, while ensuring alignment with each client's strategic and business objectives.

