

Location

Mexico City, Mexico

Needs

- Secure access for approved users to all systems and applications
- Increase auditability of user access to all information systems
- Address token authentication costs

Applications

Desktop and server authentication

DigitalPersona™ Products

- U.are.U® Pro Workstation
- U.are.U® Pro for Active Directory Server

Overview

Telmex is the leading telecommunications company in Mexico and is the largest private company in Latin America.

Biometria Aplicada, a premium DigitalPersona partner in Mexico City, worked with Telmex to develop a solution based on DigitalPersona's U.are.U Pro for Active Directory.

"U.are.U Pro for Active Directory has enabled us to strengthen the Telmex security infrastructure," said Javier Barajas Gonzalez, Computer Information Security Officer, Telmex. "We are now more comfortable that the person logging on to our network has been unambiguously identified."



Telmex

Telmex Overview

Telmex is the leading telecommunications company in Mexico providing local, long distance, wireless, data transmission, video transmission and Internet services to corporate and private customers throughout the country.

With technology investments of more than \$27 billion, Telmex prides itself on a history of successful technology innovation. Supporting over 100,000 users, the Telmex IT infrastructure is complex and diverse.

Security Challenge

Given the challenges of a diversified infrastructure, Telmex embarked on a project to reinforce their existing authentication processes and simplify log-in for employees. The security group had previously implemented a number of security solutions including a single sign-on system. Concerned about potential risks associated with single sign-on, they concluded that they would benefit from a stronger authentication solution to ensure the latest, "best of breed" security technology at desktops and servers throughout the organization. The need for a complementary and stronger method to audit user access was also identified as desirable outcome.

Other security measures already in place included the use of tokens for secure access. Telmex identified a number of issues with the token-based approach they were using. This included the inconvenience users associated with token-based authentication and the disruption of managing through the token replacement process. In addition, tokens can be easily shared and therefore failed to meet the absolute Identity requirement.

DigitalPersona Pro for Microsoft Active Directory Solution

Incorporating U.are.U Pro for Active Directory into the security infrastructure satisfied multiple objectives. DigitalPersona's fingerprint authentication system (1) strengthens single sign-on authentication to meet the security needs established by Telmex; (2) addresses their need for stronger auditability; and (3) creates a more convenient solution for their end-users and administrators.

DigitalPersona was first installed for senior managers, providing them with secure, convenient and non-shareable access to sensitive data. Biometria determined that the combination of U.are.U Pro for Active Directory and Microsoft Active Directory would meet Telmex's stringent security and performance requirements.

The Results

Implementing U.are.U Pro for Active Directory and Active Directory has enabled Telmex to: (1) further increase the security and auditability of user access to their corporate network and applications and (2) enhance the security of their single sign-on system. They have also increased the security of their senior executives, protecting access to their servers as well as for laptops used outside the Telmex network.

In addition to the benefits noted above, by replacing tokens with DigitalPersona's fingerprint sensor, Telmex provided a more convenient authentication process and reduced the disruption of managing through the token replacement process. Overall, already strict security policies have been further strengthened while end users have a more streamlined user experience defined by "single touch; single sign-on."