



2nd Biggest Payroll Database In The World

Brazilian Gov Data Processor reduced over 97% of unauthorized access

Situation

- * Multi region distributes;
- * 3 huge data center with more than 6K devices to store and process critical social security;
- * Payroll data from more than 90 million Brazilian`s citizens;
- * Fixed local password;
- * **Indiscriminate privileged access from almost any IT device;**
- * No privileged access recording.

Solution

We've **isolated devices access** with secure gw with high availability and disaster recovery;

We **recorded all sessions** with senhasegura's cluster security gateway with multi factor authentication trough hardware certificate token;

With our user behavior mechanist integrated to SIEM and access integrated to ITSM tool **alert behavior deviation.**

Automated password rotation job avoid password sharing.

Problem

Shared secrets caused **malicious user to act without accountability;**

It was impossible to define a security perimeter;

Did not allow security accountability and didn't inhibit attackers;

Their simple authentication method made it easy to impersonate another person.

The project is still under deployment but the costumer already had:

+96% Reduction of local static passwords.

+1.1K users lost direct access to infrastructure.

+300 privileged sessions recorded and stored per day.

+Real time user behavior integrated to SIEM (IBM).

Customer could eliminate more than 97% of unauthorized access.



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