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MILLENNIUM BCP RE-AFFIRMS ITS CONFIDENCE
IN BETA SYSTEMS FOR A FULL IAM SOLUTION
AND GOES TWO STEPS FURTHER

Reference Project

Millennium
bcp

The largest listed Portuguese bank expands the coverage of its Identity and Access Management system (IAM) to include core banking applications and deploys Beta Systems' risk-driven governance solution.

15 years of collaboration enabling automated identity management

In 2000, Millennium bcp started using Beta Systems' IAM solution, now known as **SAM Enterprise Identity Manager (SAM EIM)**, in order to manage its RACF accounts.

In 2002, the bank included the management of Active Directory accounts and one year later extended the scope to their international operations. In 2003 the OS/400 account management was integrated in SAM.

Over the years, Millennium bcp went on to cover additional IT systems and to deploy Beta Systems' password self-reset tool, hence further increasing productivity and lowering IT support costs.

By 2015, Millennium bcp had been successfully using SAM EIM for 15 years, to manage the identity and access of all employees Worldwide (Portugal, Poland, Mozambique and Angola).

A scalable solution that fits both IT and Business needs

SAM EIM administration requires few resources, yet is easily scalable from hundreds to hundreds of thousands of users. SAM EIM interfaces with HR data sources of any kind, and manages hundreds of target systems, whether through dedicated connectors or through customizable implementations. As a result, security and manageability are greatly enhanced. Audit reports and audit tools for ad-hoc queries are available and very easy to use by any function in the company, from IT specialists to top management, business managers and auditors.

This enables the effective control and adjustment of access risks at all levels of the organization, for a truly business-driven approach of risk.

SAM Password Reset uses information and connections available in SAM EIM, which makes it very easy to deploy. It secures the operational process of a password reset, provides autonomy to users and significantly reduces helpdesk support costs.

Going two steps further with Beta Systems in 2015, towards business-based risk control

Millennium bcp recently reaffirmed its confidence in Beta Systems: first, the bank launched the project to include its global core banking application on OS/400 used by the international operations (ICBS), as yet another target system managed by SAM EIM; then Millennium bcp purchased **Garancy Access Intelligence Manager** (**Garancy AIM**, Beta Systems' risk governance module).

Millennium bcp's integration of their global banking core application under SAM EIM is based on Beta Systems **uConnect** technology. The uConnect technology is designed as a general, easy-to-customize framework which will adapt to the requirements of Millennium's application. The uConnect technology becomes available to Millennium for any other customizations that may be required by the bank, hence providing investment protection in case of any evolution of Millennium's IT system.

In a bank, improper management of user identities and their access rights may easily result in a security breach with major impact. In a heterogeneous IT environment, such as Millennium bcp's, an IAM solution significantly improves the efficiency and control in security administration, and Beta Systems' SAM has proven to be a reliable solution.

Jorge Carreteiro
CISO

Millennium also acquired Garancy Access Intelligence Manager, in order to evaluate and govern risks associated to the users and their access rights. Garancy AIM provides dashboards, reports and multidimensional analysis. This user-friendly tool helps to audit the authorization structure of the company, under any angle chosen by the user, and thus helps to identify potential access risks such as orphaned accounts, or rights granted directly to a user without any role. Another unique advantage is the Time Traveler module, which enables a continuous historization of access rights over time, enabling in-depth, instantaneous and comprehensive audit trails and forensics analysis.

A Reinforcement of Millennium's IT security

By nature, a security breach can have major impacts on a banking institution. Most of the time, companies fear external attacks, but people from inside the organization often have excessive access rights for their role and are the most likely vector of security failures, whether actively engaging in improper activities or, more often, as unconscious providers of hijacked accounts and associated rights. Between 50% and 70% of all successful cyber-attacks are attributed to insiders. Hence, the need to properly manage user identities and limit the related access rights to the minimum required for a given role in the organization.

Banks must also ensure that their information systems remain compliant over time with current norms, standards and internal processes.

SAM EIM, as deployed by Millennium, and the full suite of Beta Systems IAM products precisely addresses such requirements. The suite ensures data remains consistent across an organization and all its IT systems that rights reviews take place regularly and that risk and usage information will be made available for decisions, governance and audit in an easy-to-use format.

FACTS & FIGURES
Installation platform: z/OS and Windows.
Number of employees: 22 000.
Headquarters: Lisboa, Portugal.

A close cooperation

For more than 15 years, Millennium bcp has been trusting Beta Systems' IAM solutions, appreciating its products' robustness and reliability, and enjoying customized answers to the bank's specific need. Millennium bcp's choice was also strongly influenced by the high level of flexibility and expertise demonstrated by Beta Systems' professional services teams during all joint projects.

The on-field experience of Beta Systems' IAM consultants as well as their proven methodology deployed during the integration phases made a strong difference.
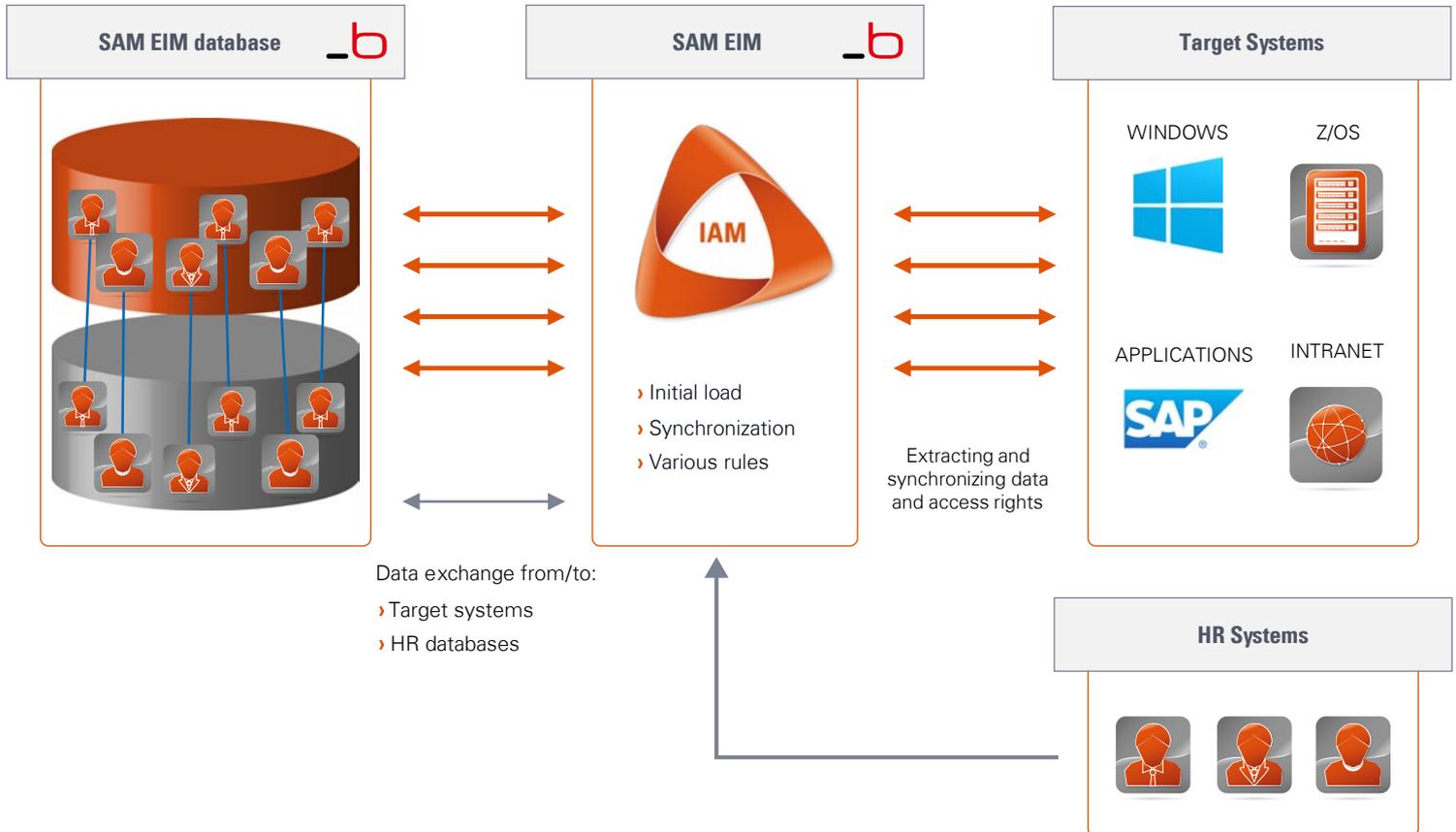
Due to the complexity of the managed environment, an IAM solution is required to address Millennium bcp's specific processes and provide a considerable level of automation. SAM product and Beta Systems' approach to IAM provide and maintain flexible and customized solutions. Millennium bcp decided to implement Beta Systems' IAM solution in order to:

› guarantee that security-relevant Human Resources lifecycle processes are immediately reflected in the information system.

› manage users and their corresponding access rights through an enterprise-level tool, covering the core platforms/applications of the information system.

› standardize and automate access rights granting by adopting role-based access control.

Ester Oliveira
Information System Security Department, IT specialist

ARCHITECTURE

SAM EIM database	SAM EIM	Target Systems

IAM

› Initial load
› Synchronization
› Various rules

WINDOWS   Z/OS

APPLICATIONS   INTRANET

Extracting and
synchronizing data
and access rights

Data exchange from/to:
› Target systems
› HR databases

HR Systems

ABOUT MILLENNIUM BCP

Millennium bcp is Portugal's largest listed bank, with a prominent position in the financial market in Portugal. It is the second-largest Bank overall and the first listed banking institution in terms of market share - both in loans to customers and in total customer funds - with an impressive distribution network, made up of a total of 695 branches at the end of 2014. It is also a reference institution in Europe and Africa, through its banking operations in Poland, Mozambique, Angola and Switzerland. All these operations trade under the Millennium brand.

ABOUT BETA SYSTEMS IDENTITY AND ACCESS MANAGEMENT

Beta Systems Software AG is Europe's largest independent provider of enterprise identity and access management (IAM) solutions. For more than 30 years, Beta Systems has been supporting financial services, production, commerce and IT services companies by providing them with software products and IT solutions "Made in Germany". The company's solutions for access management are tailored to the needs of any organization all the way to large multinational ones, and are compliant with regulatory requirements.

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