



Modern Credit Card Processing: *CSU Brazil and Futurex*

Customer Overview

Established in 1992, CSU is a leading Brazilian technology service provider focused on customer relations and electronic transaction processing. The company offers complete solutions for credit cards and electronic payment programs, as well as tailor-made loyalty, e-commerce, sales, billing, credit, and contact center solutions.

The Challenge

CSU was looking to implement **one of the largest cloud payment issuing systems in South America**. As tailor-made financial services become more popular, the company found that substantial revenue streams are more accessible through cloud architectures. CSU had three environments, two production and one testing, that **needed to be based around a cloud payment core**. In addition, their infrastructure would need to be strengthened to integrate with AWS and support the rapid growth predicted.

The Goals

CSU wanted a **scalable, cloud-based infrastructure** that would integrate with AWS, positioning them as a leader in the banking-as-a-service space. Their solution needed to offer **OpEx payment models and the ability to scale on demand** to support the anticipated enterprise growth.

Other goals included:

- Ability to deploy cloud payment cores across **three environments** (two production and one testing)
- Integrate infrastructure with AWS for optimal performance and crypto-agility
- Enable **rapid production capacity, scalability on demand**

50%

Reduced deployment time with on-demand HSM provisioning



► Highlights

- Eliminated CapEx with cloud-native OpEx model via AWS Marketplace
- Enabled instant on-demand HSM provisioning for seamless scalability
- Streamlined operations with centralized HSM and invoicing management
- Future-proofed infrastructure supporting the exponential growth expectations
- Deployed South America's largest cloud payment issuing system

The Solution

CSU chose to implement **Futurex's VirtuCrypt through the AWS marketplace** bolstering their current architecture while upgrading their payment infrastructure. Leveraging Futurex's proven expertise with Tier 1 enterprises, CSU successfully implemented **one of South America's largest cloud-based payment issuing systems.**

Other benefits CSU gained from VirtuCrypt included:

- Deployed payment HSMs via AWS Marketplace with **centralized invoicing management**
- Reduced CapEx by transitioning to OpEx cloud-native financial offerings
- **Enabled on-demand HSM provisioning** to scale production capacity instantly
- Positioned for unlimited growth as a banking-as-a-service pioneer.

The Results

By deploying Futurex's VirtuCrypt, CSU created a payment infrastructure that positions the company for exponential growth as a banking-as-a-service leader. CSU now **manages its entire HSM ecosystem through AWS Marketplace**, including centralized invoicing, freeing resources for strategic initiatives.

Other results given from implementing VirtuCrypt included:

- Transitioned from **CapEx to OpEx model, reducing upfront infrastructure costs**
- Instant HSM provisioning to match production capacity needs without delays
- Future-proof architecture built to support exponential growth without HSM infrastructure concerns
- Streamlined HSM operations and invoicing through a single AWS Marketplace platform
- **Achieved operational agility** with a rapid deployment capability supporting one of the **region's largest cloud payments issuing systems.**



"CSU has been one of my favorite Futurex customers to work with. Their organizational astuteness and forethought of growth led to a swift implementation and surely positions them as leaders in the industry."

***— Santos Campa,
Vice President Latin America
And The Caribbean, Futurex***



For over 40 years, Futurex has been an award-winning leader and innovator in the encryption market, delivering uncompromising enterprise-grade data security solutions. Over 15,000 organizations worldwide trust Futurex to provide groundbreaking hardware security modules, key management servers, and cloud HSM solutions.

Futurex is headquartered outside of San Antonio, Texas, with regional offices worldwide and over a dozen data centers across five continents, Futurex delivers unmatched support for its clients' mission-critical data encryption and key management requirements.

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