



VUAS

VU App & Cloud Server[®]

Datasheet



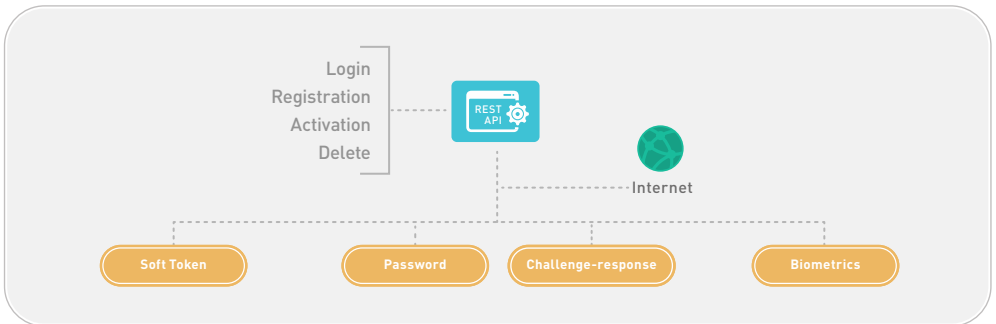
What is it?

It is an multiple-factor authentication framework that centralizes the user policies, passwords and their traceability. It provides a flexible scheme that's easy and customizable at the time of implementing a second factor system on the cloud through any device connected to the Internet.

Features:

- It optimizes the investment and costs of both human and technical resources.
- Avoids phishing and pharming attacks as well as identity theft, among others.
- Complies with the requirements of all the banking and transactional regulationi organisms in Latin America.

Logic operating diagram





■ User interface options

Integration API

The VU App & Cloud Server® module is a solution that works as an authentication nucleus. Thanks to its wide integration capacity, it can be implemented on any kind of technological environment or platform, no matter its language, through web services REST or SOAP.

The communication between the presentation layers and the product's server is made through a SSL/ TLS connection.

The available methods allow to:

- Enable and disable users and types of authentication factors.
- Validate credentials.
- Delete users and authentication factors from the platform.
- Modify and assign a user's password on the platform.
- Add Access Control Service groups.
- Create, sign up, validate, block and unblock users.
- Remove authentication factors assigned to users.
- Provide one time passwords assigned to the user on the VU Mobile Tokens® system
- Validate the VU Mobile Tokens® of a final user.
- Report the status of a user.
- Analyze transactions.
- Analyze events.
- Analyze and validate fingerprints.





Software requirements and compatibility

Operative System	Database	App Server	Java	Terminal Compatibility (MT)
Centos 7 or higher (*) Ubuntu 14.04 or higher(*) Red Hat Windows Server	PostgreSQL 9 or higher (*) MS SQL 2008 or higher Oracle	Tomcat	Java 1.8	iOS 11 Android 5 Notif. via RedMovil (SMS)

* Recommended

Hardware dimensioning*

Number of users	Main Stage		Secondary Stage		Transactions per second	Required Storage	LOG Storage
	Processor	Memory	Processor	Memory			
1 to 10.000	4 processing threads	2 GB RAM	4 processing threads	2 GB RAM	40	60 GB - HD	60 GB - HD
10.000 to 50.000	8 processing threads	4 GB RAM	8 processing threads	4 GB RAM	80	120 GB - HD	120 GB - HD
50.000 to 100.000	16 processing threads	8 GB RAM	16 processing threads	8 GB RAM	160	240 GB - HD	160 GB - HD
100.000 to 250.000	32 processing threads	16 GB RAM	32 processing threads	16 GB RAM	320	480 GB - HD	480 GB - HD
250.000 to 1.000.000	64 processing threads	32 GB RAM	64 processing threads	32 GB RAM	640	1 TB - HD	1 TB - HD

* The estimations were made contemplating the high-availability functioning.

