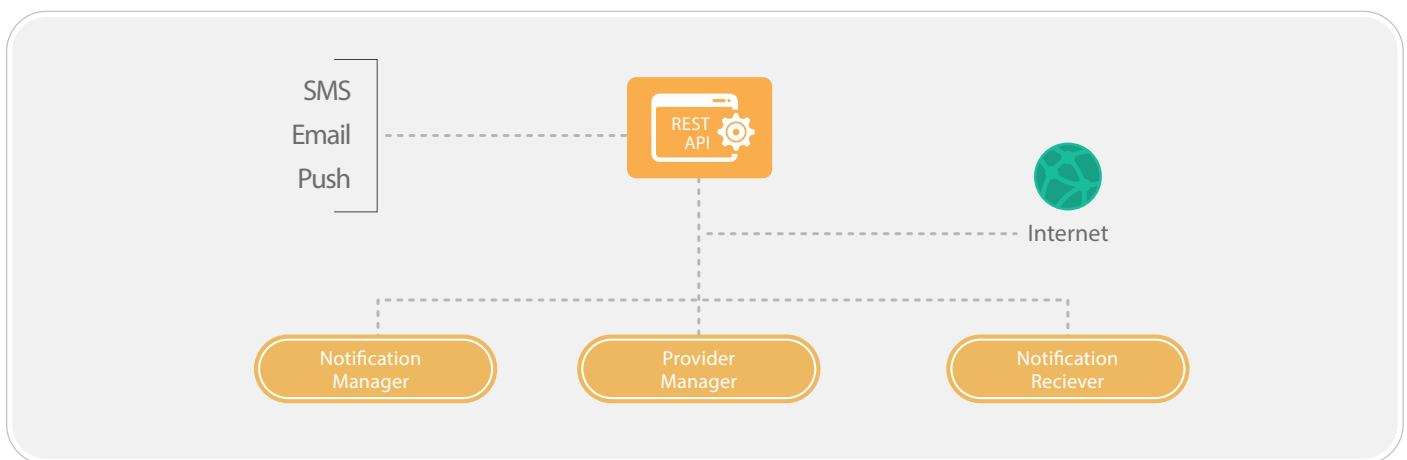




About VU Comm®

Internal development unified messaging channel that provides a secure channel for SMS, email, Push, Telegram, Teams and Spark.

It reuses the communication channels and reduces the internal development times. It encompasses the messaging systems, both from the client and from VU. It has an easy and quick deployment. It is ideal for Human Resources or Marketing areas.



Software requirements and compatibility

Operating System

Debian 7 or higher
Ubuntu 14.04 or higher
Red Hat RHEL 6 or higher
Suse 10 or higher
Solaris 10 x86
Solaris 10 Sparc
Windows 2008 R2 or higher

Databases

MySQL 5.6 or higher
PostgreSQL 9 or higher
Oracle 10 or higher
MS SQL 2008 or higher
MS SQL 5.6 or higher
MariaDB 5.5 or higher
DB2

Virtualization

VMWare
Citrix
Microsoft Hyper-V
RHEV
Virtual Box
Docker

High Availability

HA Proxy
KEEPALIVE
REPMGR
DRBD

Browsers

Firefox
Internet Explorer 10 or higher
Google Chrome
Apple Safari

Technologies

Java 1.7 or higher

Security

RSA / SHA1 / 3DES / AES 256
Security Certificates
EAP-PEAP-MSCHAP v2
TimeStamp
HOTP/OCRA/TOTP/HMAC

Web Server

Apache 2
Nginx
IIS
Weblogic
Jboss
Tomcat
WebSphere

Integrations

WS-I Basic Profile 2.0
SOAP 1.1 or higher
WSDL 1.1 / WS-Security WSI
XML Schema 1.0
TSL 2.0

Access Management

Radius
Cisco ACS 4.2 or higher
FreeRadius
Active Directory
Samba
Cisco ISE

Register & Report Management

Crystal Reports
Syslog
Nagios

Mobile OS

iOS, Android, Windows Phone, HTML5, USSD
SMS, Push Notification

Tecnical Information

VU Comm[®] can be deployed on every technological environment given its multiplatform and provides a wide integration capacity.

API Integration

Using the REST integration API, VU Comm[®] allows the following:

- Massive email delivery with and without attachments through any client's SMTP server.
- Push notifications: it is free for the client and it is helpful to link more than one device per user.
- Enhanced messages with emojis: allows the management of distribution groups by topic, to massive delivery on Marketing or Sales campaigns.

- SMS sent by a transparent and sensitive connection with any of the client's gateways.
- Messages can be sent through any of the client's internal communication channels.

It also has a web management tool, easy to use, so any non-technological user can send messages through any platform.

Hardware Sizing*

Number of users	Primary Instance		Secondary Instance		transactions per second	Storage required
	Processor	Memory	Processor	Memory		
1 to 10,000	4 processing threads	2 GB RAM	4 processing threads	2 GB RAM	80	60 GB - HD
10,000 to 50,000	8 processing threads	4 GB RAM	8 processing threads	4 GB RAM	160	120 GB - HD
50,000 to 100,000	16 processing threads	8 GB RAM	16 processing threads	8 GB RAM	320	240 GB - HD
100,000 a 250,000	32 processing threads	16 GB RAM	32 processing threads	16 GB RAM	640	480 GB - HD
250,000 a 1,000,000	64 processing threads	32 GB RAM	64 processing threads	32 GB RAM	1280	1 TB - HD

* The present sizing estimation assumes a high availability setup.

