



PKI AS A SERVICE

*The new Era of
Trusted Services*



Bringing **trust** and simplicity
into the **digital future**



About Us



- 🕒 **Established in** 2016, by **private** capital, part of **Bit4id** group
- 🕒 **Mission:** enrollment and management of Digital Identity and related services
- 🕒 **Critical factors of success:** innovation, experience, execution
- 🕒 **Services:** digital certificates, electronic signature, remote signature, automated signature/validation, e-signatures validity extension (by LTV), PKI as a service, specialized consultancy
- 🕒 **Certifications:** EU Trust Service Provider (eIDAS), ISO 27001
- 🕒 **Main markets:** Spain, Italy, Portugal, Peru, Ecuador, Costa Rica, Panamá, Guatemala, El Salvador



Uanataca – who we are



Goal

Provide top-notch
Trusted services



Vision

Be leader in Digital
Identity field, offering
solid partnerships and
innovative services



Mission

Be an asset for our
partners, giving them all
the support required in
the development of their
core business

What is Public Key Infrastructure (PKI)?

Standards-based technology for
secure information exchange



Currently the most used way for:

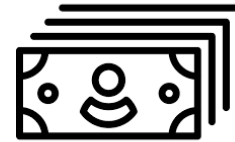
- Secure Email – sign and/or encrypt messages
- Secure browsing – SSL – authentication and encryption
- Secure code – authenticode
- Secure wireless – PEAP & EAP-TLS
- Secure documents – Rights Management
- Secure networks – segmentation via IPsec
- Secure files – eSignature, Encrypted File System(EFS)



Building PKI – Issues

Huge initial investment

- Building
- Safe Structures and zones
- Datacenter
- Hardware costs
- Implementing fees



Lock-in issues

- High maintenance costs
- Not interoperable with other solutions
- Migration to different systems/providers almost impossible



Limits

- Knowledge
- Employees training
- Maintenance



the **new** way to understand **PKI**



PKIaaS

An entire **PKI** with best technologies without costs of hardware and infrastructures

- 🕒 Tech/Legal/Compliance consultancy
- 🕒 Cutting-edge technologies
- 🕒 Compliance with European and International regulations on certification services
- 🕒 Drastic reduction of start-up and maintenance costs
- 🕒 Progressive extension of services



PKIaaS

☉ Very low investment

☉ Pay per Use



PKIaaS: Uanataca services

Certification Authority

Registration authority – Certificate issuing

LTV Signature – Validity extension

Validation Authority

Time Stamping

Centralized Key Custody – Remote Signature



Added Value

1. Technology

Root CA
Intermediate CA
Registration Authority
Time Stamping
Authority
Qualified Signature
Remote Qualified
Signature

2. Legal & Compliance

European Compliance,
through annual audits
(eIDAS Qualified Trust
Service Provider)

Documentation

Compliance with
existing legal
frameworks

3. Human resources

High skilled personnel:

- PKI e crypto-devices
- Sw development
 - System Administration
- Compliance
- Certificazioni
- Process engineering
 - Change management
- Security
- International Regulations

4. Business knowledge

Huge experience in
market development
in several countries

Expertise in
processes, products,
rules and
organizational culture

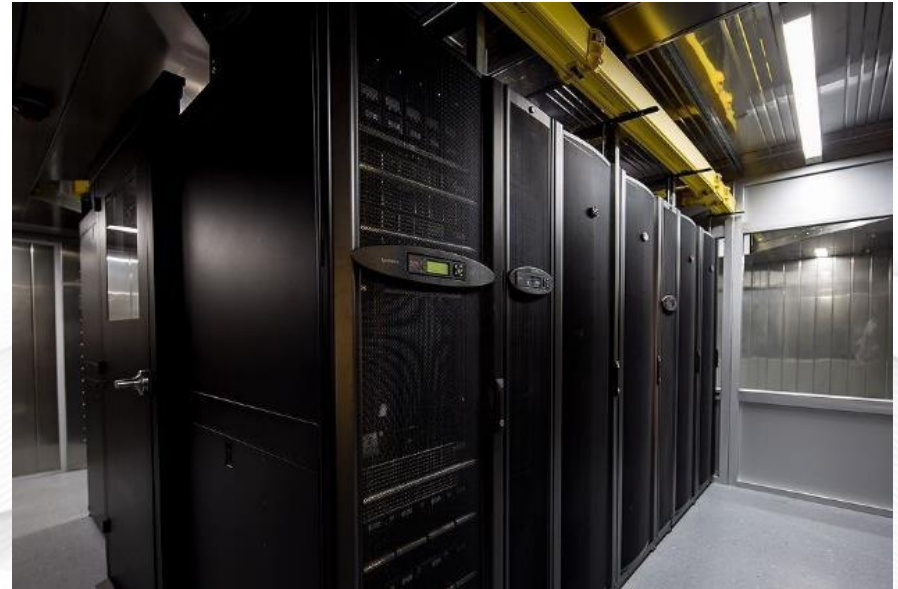


1. TECHNOLOGY

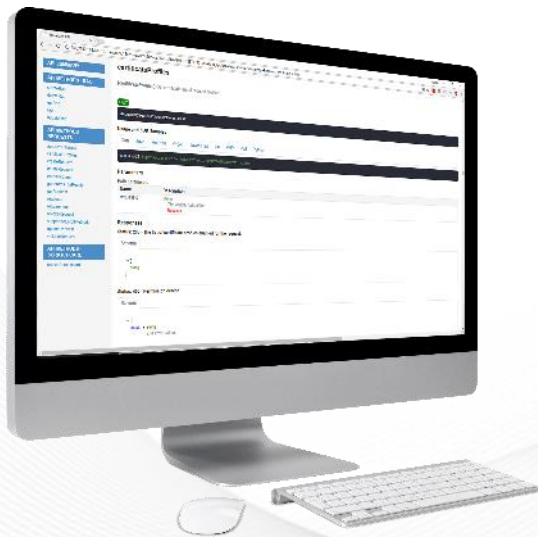


☪ High Performances infrastructure

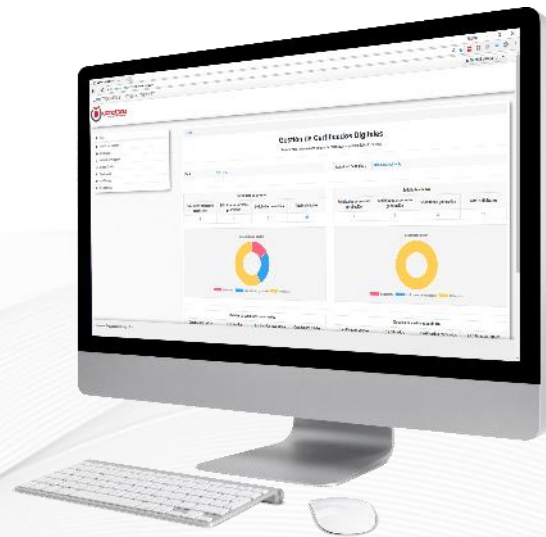
- Located in Barcelona (Spain)
- High Availability
- Tier III
- Physical access control (through previous registry)
- Temperature control
- Sophisticated fireproof and floodproof systems



“Agile” registration and issuing platform



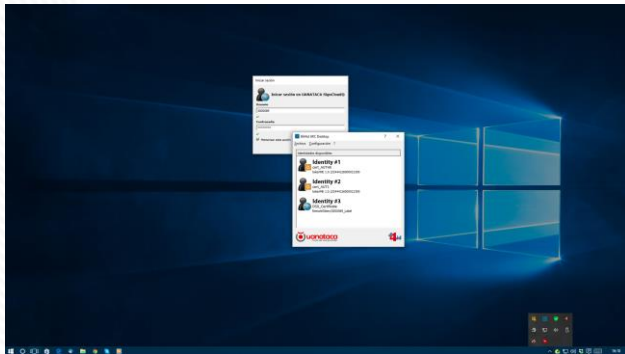
API



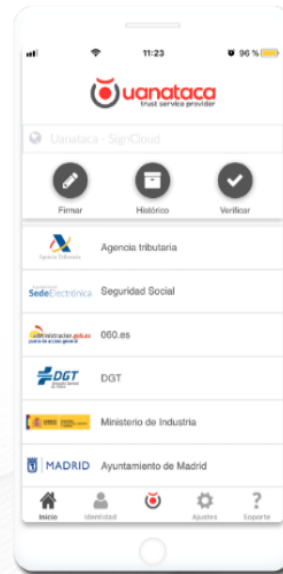
GUI web

🔑 Certificate usage through **whatever** system

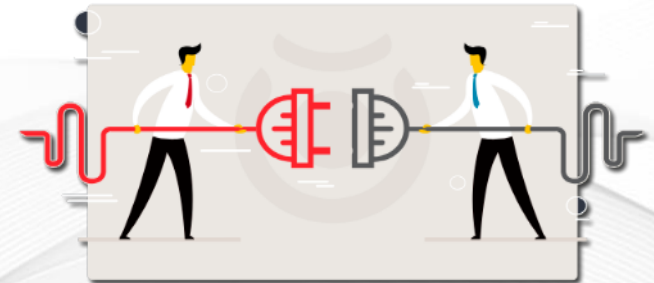
video: <https://www.uanatataca.com/es/>



SignCloud PC
Windows, Mac OS X



SignCloud Mobile
iOS, Android



SignCloud API
Web apps

2. LEGAL & COMPLIANCE



Accreditation Pack

eIDAS Accreditation

eIDAS Certificate of Trust Service Provider
eIDAS yearly audit
Qualified digital certificates issuing

/National documentation

Functional requirements
Architecture
Components description
Processes design
Tests design
Key generation ceremony guide
Certification Practice Statement
PKI Disclosure Statement
Certificates profiles
Certification policies
Operative documentation:
Security Policy
Plan for cessation of operations
Contingency Plan
Business continuity
Change Management Plan
Human Resources Management Plan
Security Manual
Risk Management Plan
Descriptive Document of the PKI
Regime and Disciplinary Procedure
Regime and Procedure for Dispute Resolution
Incident Management Plan
Training Plan
Accreditation application
Operators Manual and Service Administrators
User's manual
Training documentation for Operators and Service Administrators
Technical memory
Service Level Agreement
Final Service Delivery Report



3. EXPERTISE



Uanataca Expertise

- ✧ Expertise «Bit4id» (15+ years in PKI sector)
- ✧ Highly skilled personnel
- ✧ Tech&human resources dedicated to Business Continuity

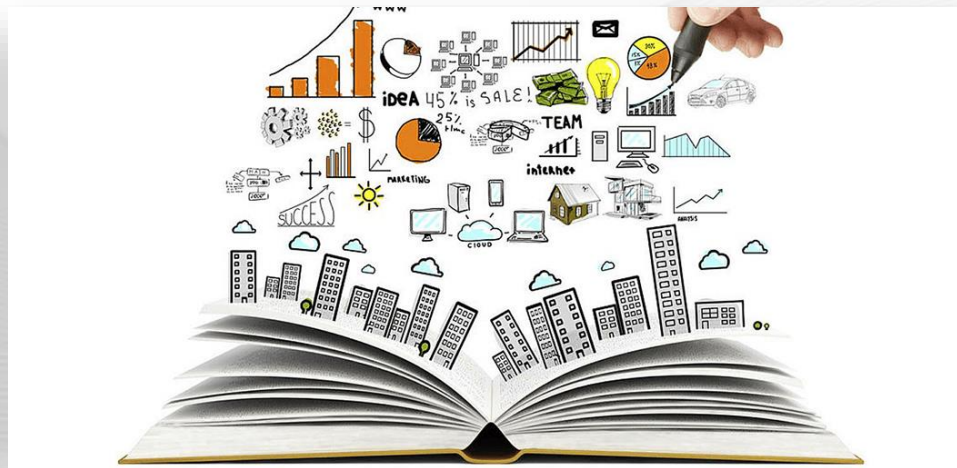


4. Business Knowledge



PKIaaS experts

- ✧ Bit4id SAC (Peru)
- ✧ 5B (Guatemala)
- ✧ Gestors Administratius de Catalunya
- ✧ Consejo Judicatura (Ecuador), SAT (El Salvador),
Ministerio de Hacienda (Honduras)



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Validation Authority

Time Stamping

Centralized Key Custody – Remote Signature



JOIN US THIS AFTERNOON

- ☪ Training/Demonstration session

- ☪ **15:30 -17:00**

- ☪ Speakers:

 - ☪ Dr. Jassine Boulkheir

 - ☪ Dr. Claudio Cimmelli

 - ☪ Eng. Marco Scognamiglio

bit
4id



THANK YOU!





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