

## OpenTrust Public Key Infrastructure (PKI)

### THE KEY TO ELECTRONIC TRUST FOR THE MANAGEMENT OF DIGITAL IDENTITIES OF USERS, DEVICES AND APPLICATIONS

#### Key Benefits

- Complete life cycle management of digital identities for all entities, users, devices and applications
- A market-proven solution with low Total Cost of Ownership
- Rapid connectors to other IT system components
- An open, modular and highly scalable solution
- Full local or centralized certificate and key life cycle management
- Supports multiple CAs for singular or multiple applications
- Complete credential management for Public Key certificates in IT systems
- Modular light architecture for Public-Key Operations (PKO)

#### Main Outline

The pace of technological development is accompanied by increasingly sophisticated cyber criminals who threaten the IT infrastructures of enterprises worldwide. This has led to the need for more advanced security solutions to combat such high level risks.

OpenTrust PKI is an open, modular and highly scalable solution designed to address this need. This innovative and market-proven solution is one of OpenTrust's core products for building a trusted ecosystem.

OpenTrust PKI creates, issues and manages the digital identities of users or devices within a Public Key Infrastructure. It oversees the complete credential management for Public Key certificates in IT infrastructures, encompassing any kind of smart card or token that embeds an X.509 certificate and a key pair.

The modular architecture of OpenTrust PKI allows support for singular or multiple applications, management of certificates and keys locally or centrally, and can be implemented within a centralized or decentralized architecture.

In its basic and lighter structural design, the Public-Key Operations (PKO) centre forms an integral component of OpenTrust PKI.

OpenTrust PKI is seamlessly integrated into the existing corporate IT infrastructure and databases through its simplicity by design concept. It manages the entire life cycle of the digital identities of all entities, users, devices or applications within the IT systems hence acting as the key enabler of a trusted ecosystem.



### **Solution Advantages**

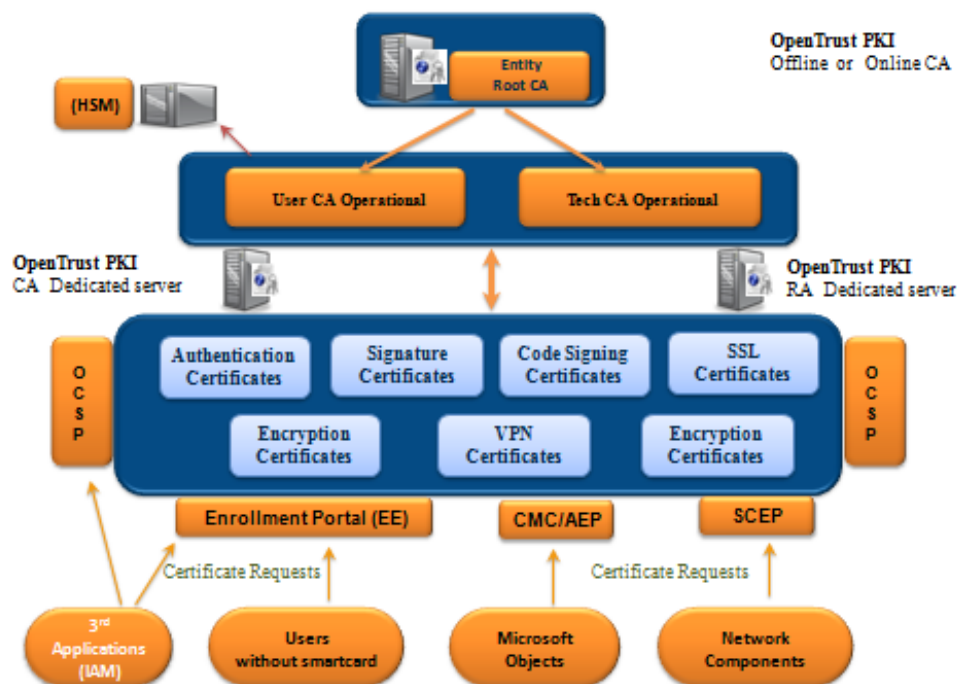
- Modular, open and highly scalable
- Complete management of the life cycle of certificates and certification authorities
- Modular, open and standards-compliant
- SOAP connectors to facilitate integration into information systems

### **Life Cycle of Digital Certificates**

- Multiple certification authorities
- Centralized registration authorities and enrollment entities
- Decentralized, centralized, synchronous, SCEP modes
- Selectable workflow to conform with security policies

### **Main Technical Characteristics**

- Native integration with Microsoft: Active Directory, multi-domain, multi-forest, Vista
- Multi-directory and multi-OS support
- Support for CRLv2 and OCSP
- Man-Machine Web interface



### **References**

OpenTrust's security solutions have already been adopted by the top 500 corporations worldwide.

#### **Administration/Government**

CEA, La Poste, INSERM, SwissArmy, French Ministry of Finance & Agriculture, Cetrel in Luxembourg.

#### **Banking and Insurance**

LCL, GMF Assurances, Bred, CNCE, Banksys, National Bank Of Belgium, SPF-Finance, AGF, SMAM, Gan.

#### **Industry and Services**

Total, Renault, Nissan, Alstom, Sanofi Aventis, Pixid, Michelin, Areva, Technip, Faurecia, Thalès, Mobistar.

**OpenTrust®** provides an innovative approach to the IT security challenges currently facing both private and public organizations. A provider of NextGen Digital Security Solutions, OpenTrust's customers include some of the most demanding Fortune 500 and government bodies often involved in very sensitive areas (national security, nuclear energy, financial transactions, airlines, etc.) as well as enterprises who simply wish to create an environment of electronic trust in order to better protect corporate assets in their IT ecosystems.

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