

See
how it works!

Insta ID

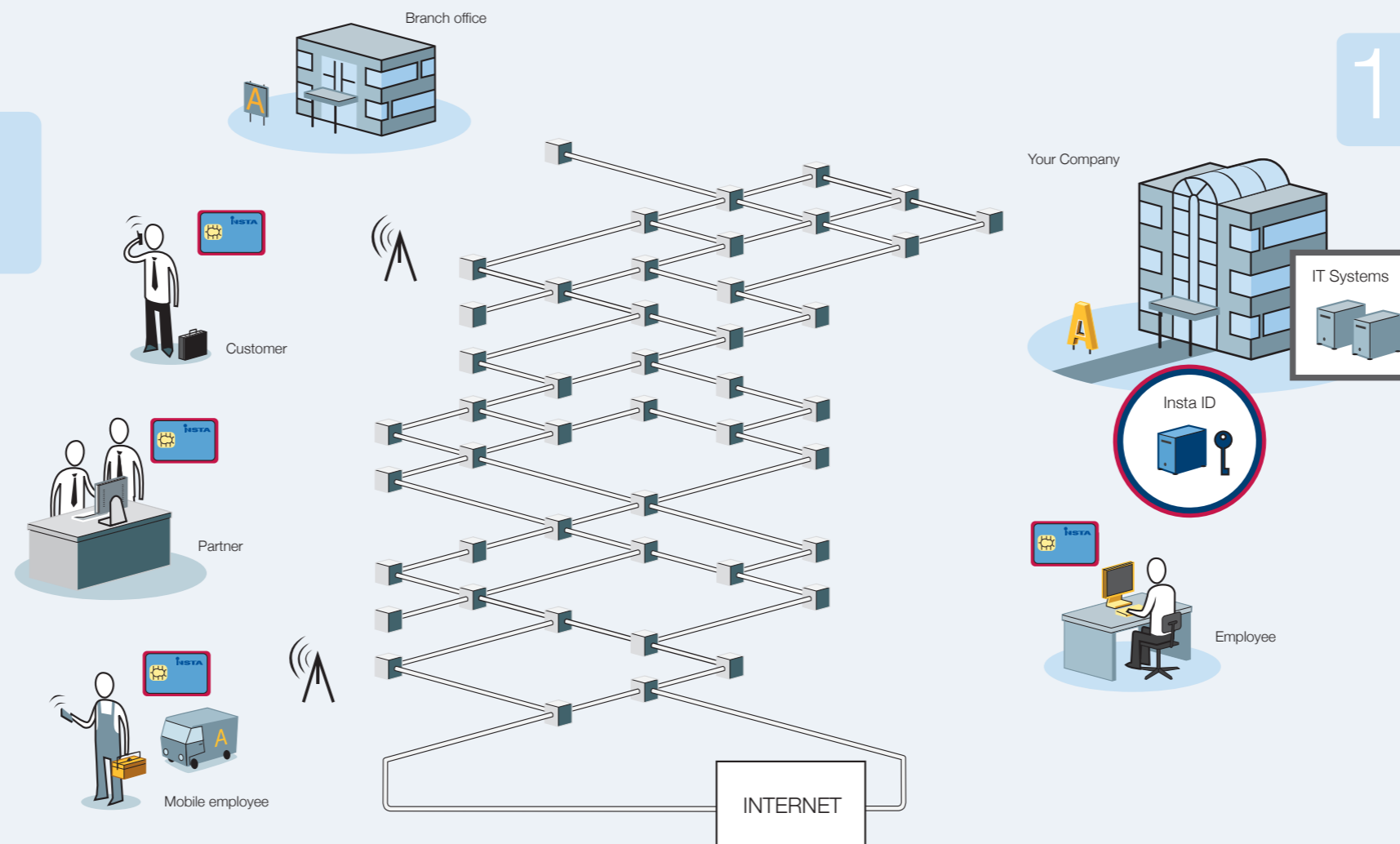
for creating digital identities



Insta ID – for securing online business operations

2.

Insta ID includes capabilities for digital signatures, strong authentication and data encryption to be used in a wide range of enterprise applications.



1. Insta ID creates digital IDs to your employees, customers and partners.

BENEFITS OF THE SOLUTION

- **High security user ID management:** providing a tool for secure business operations online with one method.
- **Makes managing user access easy:** with directories, controlling access to different systems is easily managed
- **Easy integration:** fast and easy deployment for leveraging existing IT investments
- **User-friendliness:** enables single-sign-on methods securely

Individual businesses as well as governments are depending upon the Internet to manage critical business operations. Building successful eBusiness requires the ability to create online relationships with customers, suppliers, partners and employees that are both secure and productive. Identity is at the core of any business or data transaction. It is a critical component of the operations of any enterprise, and is interwoven into most business processes, including granting access to information and systems and driving relationships with business partners and suppliers.

Solution description

Insta ID offers users a seamless, easy-to-apply infrastructure and secure back-ups so that organizations can be sure about their information safety. Web-based administration makes the use of management tools simple and efficient.

Insta ID is based on Insta Certifier PKI product which is used to issue digital certificates for users. The Insta ID includes

capabilities for digital signatures, strong authentication and data encryption, to be used in a wide range of enterprise applications. Standard based interfaces make it easy to integrate Insta ID to any existing customer environment. Web-based administration interfaces and powerful token management applications make the administration and usage efficient and simple. The Insta ID can be delivered as a hosted service or system deployment.

The key features

- CA (Certificate Authority): creates user credentials, certifies user IDs, archives and publishes user certificates and maintains revocation lists
 - User Directory: for publishing certificates centrally and to Microsoft Active Directory, Novell eDirectory or IBM Tivoli, for example
 - Web-based administration
 - Multi-user control and fine-grained separation of duties
 - Event logging and audit trail
 - Simplified administrator GUIs e.g. for help desks

- RA (Registration Authority): tool for enrolling certificates and storing them to smart cards, tokens or other certificate stores
- Client
 - CSP: Offers cryptographic services to applications
 - Smart cards and tokens (PKCS11 and PKCS15)
 - Smart card readers

Technical features

Insta ID architecture is highly scalable, providing multi-platform support and secure communication for all Insta Certifier components. It also supports duplicating Certifier servers and services to guarantee high availability. Multiple Virtual CAs and RAs can be made within the same installation.

Certificates and CRLs are published to standard LDAP directories that support the most common directory services such as Microsoft Active Directory, Novell eDirectory and IBM Tivoli. All LDAP directories

have TLS protection. Insta ID uses an XML-based framework for automated user provisioning.

Certificate Management features include

- Online certificate lifecycle management
- Web-based self-enrollment
- Registration authority (RA) features with a token personalization option
- Flexible certificate issuing policies
- Manual and online cross-certification
- Online key backup and recovery
- CA private key storage in a hardware security module (HSM)
- CA/RA private key storage in a secure software environment
- Microsoft Windows 2000/XP logon certificate issuance

Smart card tokens are standard PKCS#11 and PKCS#15 based products and use x.509 certificate storage. All Insta ID smart cards and tokens are interoperable with Insta Certifier.

CRLs are published periodically and per-revocation. Self-revocation is based on pre-shared keys (PSK) and Insta ID includes a built-in OCSP Responder Service.

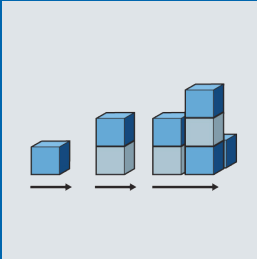
Protocols

- Certificate Enrollment and Management Protocols
- Certificate Management Protocol (CMPv2)
 - Simple Certificate Enrollment Protocol (SCEP)
 - Web-form-based PKCS#10 certification requests
 - Microsoft Internet Explorer enrollment
 - Netscape Navigator Enrollment

Interfacing with Hardware Security Modules

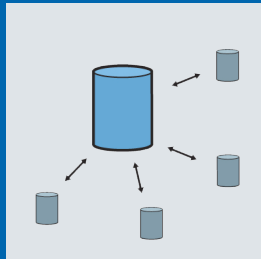
- PKCS#11 crypto API

Scalability



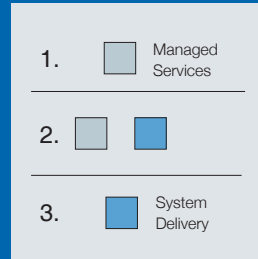
Insta solutions are scalable and modular.

Total Management System



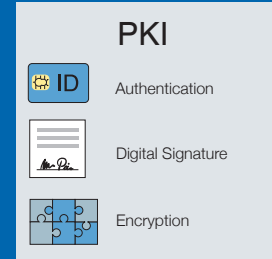
Centralized management increases efficiency in administration.

Managed Services



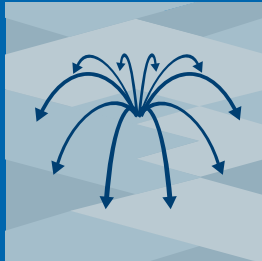
Management solutions can be provided as a managed service or system deployment.

Certificate-Based Security



Certificate based security enables strong authentication, digital signature and encryption in the electronic environment.

Standards-Based Solutions



All Insta solutions are based on the latest industry standards.

Security Standard

ISO27001
ISO9001:2000
ITIL

Insta Service Center has been awarded the international ISO27001 certificate.

Customised Services

INSTA

Customer Support Service

Specialist Services

Insta will also customise its solutions according to your needs. Contact us at security@insta.fi.



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Insta DefSec's Security Systems is a global information security specialist developing and supplying networking and information security solutions. We focus on innovative solutions and applications for customers with high quality and security requirements. Our top-level expertise and technology, combined with our certified operating practices, have ensured us an internationally recognized position as one of the leading security companies in the market.