

# WE MAKE SECURITY WORK

Identity Management in action  
iSecure Product family





## Introduction

Infrasec Sweden AB was founded in 2002. Since our start, we have focused on in-house developed security products and components for user management and secure transactions worldwide over the Internet. Over the years, we expanded our business with additional focus areas, SaaS for business systems, management and administration.

Infrasec is an employee-owned company with all owners active in the business, consisting of highly experienced IT professionals. Creating long-term relationships with our customers is one of the cornerstones of Infrasec, together with the mindset of creating secure, functional and usable systems and solutions meeting market demand, as well as seeing the big picture from the customer's perspective.

### **Knowledge is our strength.**

Infrasec is a product company with PKI products being the core business. With our long experience and knowledge of the market we developed the third generation of Infrasec product portfolio:

**iSecure Server** – Security Server that protects your business system from unauthorized access.

**IDM system** – The complete solution for all companies that needs to know:

*Who has access to my business systems?*

*What resources can users and different roles access?*

*What has a specific user accessed during logon time?*

*What kind of attacks has my system endured?*

The Identity Manager System gives the company a solution that can implement the security policy into an ease of administration with complete audit and structured logging that enables security and usage reports that fulfill all legal and formal demands.

**Signature Server** – Qualified electronic signatures and verification, with a secure web service integration for business integration.

## Identity Management (IDM)

Infrasec has focused on protecting information. Life cycle management and giving authorized users correct and trustworthy information. The iSecure IDM system gives you the tools to manage, authentication, authorization in a global environment.

### iSecure Server

**The core product is Infrasec Security Server, giving both small and large companies the possibility to allow users access to confidential information from remote locations.**

iSecure is easy to install and configurate, or use the pre-configured appliance server. All security configuration is policy based, making it easy to follow your IT security policy and define:

*Network properties*

*Name of exposed service*

*Allowed authentication methods*

*Allowed data/ protocol*

*Allowed internal systems*

*Fallback systems redundancy*

Install the product on the servers standing alone or as an integrated software on your business servers. Before you activate the security server, enable the functions that you need!

*Protect all your public webservers*

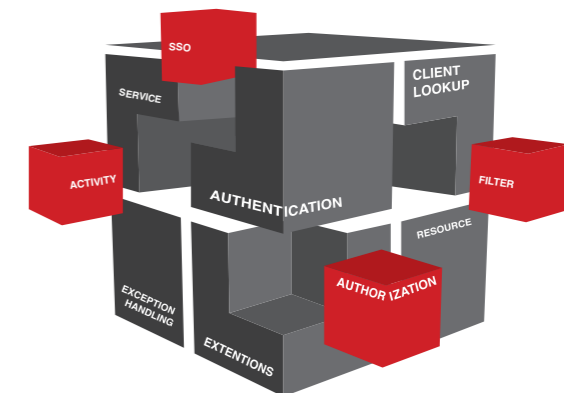
*Enable filter function*

*Define package properties*

*Allowed path, files and types*

*Exceptions*

*Logging and audit*



## Signature Server

Enables your business system to integrate digital signatures with multiple document signatures.



## IDM systems

**By using Infrasec iSecure family technology, the Identity Management system gives complete control of user behavior and user access. All information and status of the individual user and system is monitored and logged. The IDM system also has a structured report engine, enabling security officers in the company to create security and behavior reports.**

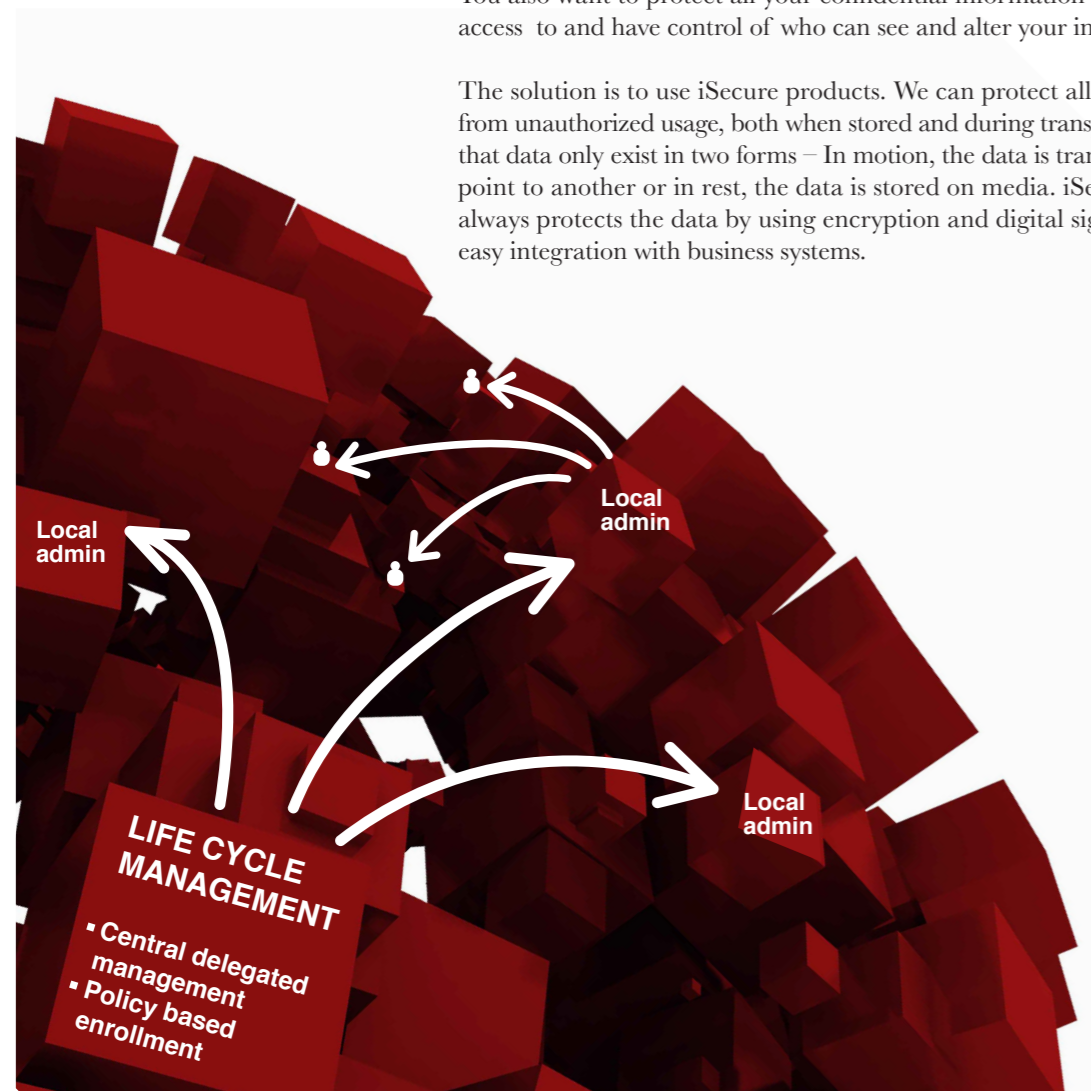
### User Administration

Infrasec IDM Technology is developed for a large user base, and deployment is done using all popular authentication methods available in the market today. (One or two factor identification using PKI certificates, OTP, Challenge/response, mobile). For company employees, external affiliates or end customers. Infrasec IDM Technology can also be applied to small and medium sized companies by using iSecure Appliance products.

### Generic Implementation of iSecure Products

Large companies have a huge challenge within the user administration area, handling active users, access rights to different business systems over time. You also want to protect all your confidential information and only grant access to and have control of who can see and alter your information.

The solution is to use iSecure products. We can protect all your information from unauthorized usage, both when stored and during transport – by definition that data only exist in two forms – In motion, the data is transported from one point to another or in rest, the data is stored on media. iSecure Technology always protects the data by using encryption and digital signatures, allowing easy integration with business systems.



## IDM Explained

### Global Company Scenario

Implementing iSecure Technology into your current IT-infrastructure guarantees that your Companies core information is safe from attackers and that users only can access information that they are entitled to.

The IT policy declares:

*“During the users life cycle there must be full control of which information that the user can access and unauthorized access is impossible”.*

**IT security department:** Needs to have full control of all users and what information they can access and tools to detect hacker attacks.

**Production department:** Needs two factor identification for accessing confidential information and remote access. All access must be logged and audited.

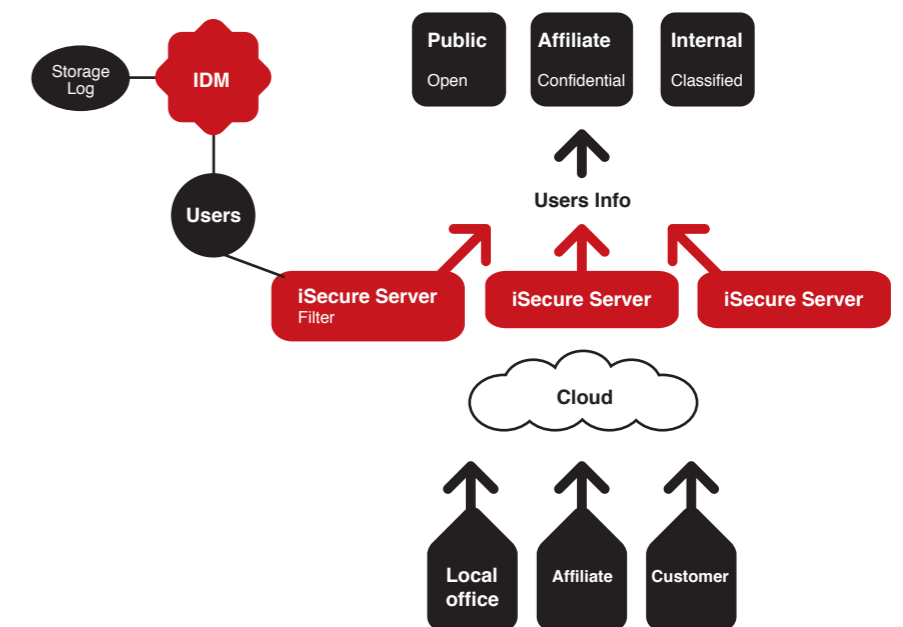
**Business department:** Needs to have easy and secure access to confidential information 24/7/365. All access must be logged and audited.

**Customer service:** Needs to have fast and secure access to the security database for user management. All access must be logged and audited.

**Local offices:** Needs to manage their own employees, affiliates and customers following the global IT policy.

**Affiliates:** Needs to have easy and secure access to correct information 24/7/365.

**Customers:** Needs to have easy and secure access to correct information 24/7/365.



IDM activities such as security database administration can be delegated from the main IT staff to other departments, affiliates or even customers. This is done securely using strong two-factor identification, and limiting access in the IDM system to only show the specific subset of data the user has the authority to administer.



**Fiscal Unit**  
 – enabled by Infrasec  
 Security Technology

**Introduction**

The Swedish government decided that all Point of Sales (Cash Register) must have a local fiscal unit, enabling Tax Authority to review sales and bookkeeping. Infrasec is the only company that has a certified and proven central fiscal unit.

The fiscal unit is delivered as a SaaS (Software as a Service) to the market, instead of local hardware that needs local installation and maintainance. One of the customers is a POS company – Easypos.

**Technology**

The fiscal unit product – Central Control Unit (CCU) is based on Infrasec Security Technology, with a single CCU server handling up to 100 000 POS clients.

**Design and architecture**

The main objective was to develop a product that fulfill all legal and functional demands:

- Guarantee information storage for at least 7 years*
- Always available, it's illegal to print a receipt without a valid Fiscal unit*
- Central installation*
- Central review of fiscal information*
- Easy to integrate for POS developers*

**Summary**

By using state of the art security and new server hardware Infrasec accomplished to lanch a SaaS that replaces the traditional local physical fiscal units.

**Differentiators**

Complete product range that covers all aspects of logical security and user management.

**Customer solutions**

Payment Card Industry, iSecure Technology on both server and client enables payment service provider tp fulfill full control of payment transactions.

Defence Industry, secure logon with smart card.

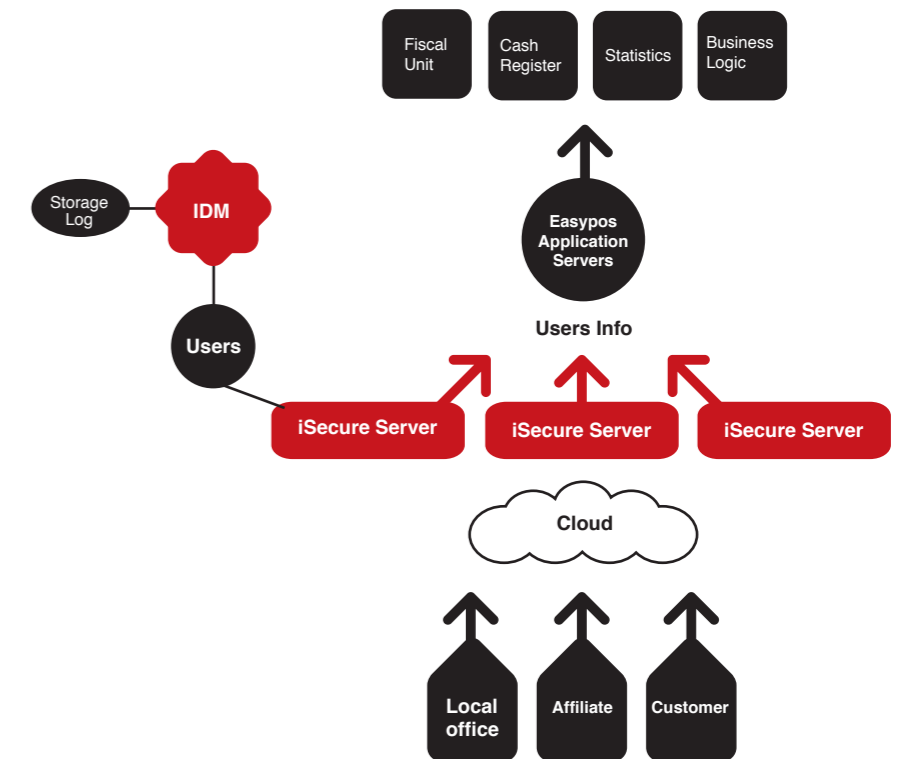
Financial, end user and affiliate logon to central systems.

Retail, point of sales application, image processing and dynamic catalouge creation and order system.

**SaaS**  
 – enabled by Infrasec  
 Security Technology

**Introduction**

Infrasec Sweden also offer SaaS to the market, all services is protected and uses iSecure Technology. The SaaS spans different business areas from assortment planning for retail market on EMEA basis, online order systems down to transaction intensive Point Of Sales applications.



**infrasec** sweden

[www.infrasec.se](http://www.infrasec.se)  
[info@infrasec.se](mailto:info@infrasec.se)  
+46 (0) 8 411 12 40

