



# Digital ID Management

**BlueX is a Digital ID management system supporting the entire token production processes within a however complex organisation structure.**

**BlueX is designed to solve the problem of token deployment and digital ID management. With BlueX Digital ID management software, organisations can leverage their existing expertise and investments in infrastructure to reduce the cost and efforts of deploying tokens, irrespective of how many users are involved.**

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## Digital ID Management

Deploying Digital IDs in an organisation can require huge cost and effort and demands a number of issues and consequences to be taken into account. Not only may each organisation have its own infrastructure and organisational workflow in place, but such issues as printing and initialising tokens have to be considered as well.

In short, the process of issuing, distributing and managing tokens demands a management system that is both flexible and easy to use and seamlessly integrates into existing company structures. This is where the BlueX system for Digital ID management comes in to help organisations solve their token deployment issues.

## The BlueX solution

BlueX provides an enterprise wide system for token deployment in large amounts. High level of system configurability allows reflecting the company organisation structure and incorporating changes in organisation workflow almost in real time. The BlueX system supports integration with variety of hardware, including smart card printers and different types of smart card readers/writers.

The BlueX solution provides benefits for both users and those involved in deployment. End users are provided with tokens in a fast and efficient manner, while those involved in the enrolment and management process are presented with an intuitive and flexible enrolment system. The appropriate individuals can perform such functions as enrolling entities, producing tokens and issuing and revoking certificates. All management functions are integrated in the organisation's internal procedures and processes and presented in a clear workflow.

In this way, BlueX presents the ideal cost-effective solution to manage tokens that can be used for a variety of applications.

## BlueX features

BlueX is work-flow based, which makes it easy incorporate existing organisational structures into BlueX and map current functions within the organisation to logical roles within the BlueX system. Due to this flexibility, an organisation's employees can be assigned roles for such operations as registration and production. Both its work-flow based nature and its customisable web-based user interface make BlueX easy to learn and work with.

BlueX features highly configurable access control based on user credentials, allowing for role separation, where the appropriate and authorised user only sees the information he / she is required to see for the appointed task within the enrollment process. Its work-flow based nature makes it easy to learn and work with.

Any digital ID management system should also maintain the highest standards of security itself. This is why in BlueX, access to role-based operations is protected with certificates. Security can be even further enhanced through the use of tokens, allowing BlueX users to authenticate themselves to the BlueX system and perform the tasks allowed based on his / her digital credentials. Inter-BlueX communication is protected via SSL v3.

One of BlueX strong-points is its full integration with Microsoft Active Directory, where it offers not only the ability to enroll existing users from Active Directory for token production, but also to enroll new users for token production, coupled with user creation in Active Directory. This tight integration into Microsoft Windows 2000 and 2003 Server's native Public Key Infrastructure allows organisations to issue smart card logon certificates on tokens with all the ease of the world.

BlueX implements a unique concept of remote components, allowing such operations as card printing, personalisation, PIN and PUK letter printing to be performed remotely, over an SSL v3 secured link. This makes the BlueX system and its components highly distributable.

## Benefits

- ◆ Leveraging existing expertise investments: BlueX integrates with your existing PKI systems and hardware
- ◆ Cost-effective: cost of digital ID administration and management decreased, for one to many users
- ◆ Flexible: BlueX adapts to existing organisational workflow, not the other way around
- ◆ Remote components: Highly distributable across the organisation
- ◆ Configuration: Role-based installation and access control
- ◆ Excellent deployability: quick and easy to install and work with
- ◆ Customisable: look and feel of web based user interface can be customised to suit your needs
- ◆ Tested and verified for interoperability with a wide range of security products in the industry

## Specifications

### Supported Operating Systems

Server Operating System: Windows 2000, Windows 2003

Client Operating System: Windows 98 SE, Windows ME, Windows 2000, Windows XP, Windows 2003 Server, Linux, Mac OS X, Sun Solaris

### Supported tokens

When used with multi-token SafeSign middleware, BlueX supports a large range of tokens, including the following:

Smart cards: [Giesecke & Devrient](#) STARCOS SPK2.3, SPK2.3 RawRSA, SPK2.4, SPK2.4 FIPS, SPK 2.5 Dual Interface (DI)

USB tokens: [Rainbow Technologies](#) iKey 3000, Giesecke & Devrient StarKey100

Java Card v2.1.1 / OpenPlatform 2.0 compliant Java cards: G&D Sm@rtCafé Expert v2.0, Gemplus GemXpresso 211pk/Pro R3, IBM JCOP 20/21/30/31, Oberthur CosmopolC v4, Orga JCOP 20/30, Schlumberger Cyberflex Access Developer 32k, Schlumberger e-gate USB smart card.

### Supported smart card readers (a complete list is available on request)

Any PC/SC smart card reader, including:

Smart card readers: GemPlus, Omnikey, SCM Microsystems, Towitoko

Secure Class 2 / 3 pinpad readers: G&D CashMouse / SCM STR 391, Omnikey CardMan Trust, Reiner SCT Cyberjack pinpad

Smart card keyboard: Cherry G83-6700 SmartBoard, Cherry smart card keyboard compatible with CardMan 2020 reader

### Supported Web Browsers

Microsoft Internet Explorer 5.5, 6.0

Netscape 7.x

### Supported Directories

Any LDAP compliant directory, including Microsoft Active Directory

### Supported PKI / CAs (check with AET for latest supported versions)

Baltimore UniCERT CA

Entrust Authority

Microsoft Windows 2000 CA

Microsoft Windows 2003 CA

Verisign Managed PKI

RSA Keon

### Supported Printers

Eltron

Dai Nippon

Fargo

### Compliance to standards

PKCS #11, PKCS #12, PKCS #11, LDAP, XML, X.500, X.509 v3, HTTPS, SSL, XML

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