

## Entrust IdentityGuard Smart Credential Service

### Multipurpose Smartcards, USB Tokens & Mobile Smart Credentials

The protection of an organization's assets starts with a secure, trusted identity. Yet today's organization is tasked with deploying multiple identities with a variety of incompatible solutions — and often from many different vendors.

Organizations also realize usernames and passwords are no longer an acceptable form of authentication for identity-based security.

Many have utilized a variety of multifactor authentication solutions — from one-time passcodes (OTPs) to SMS text messages — that have poor end-user experiences and are often compromised by modern-day attacks. Basic effectiveness with identity-based security based is lacking.

#### **Smartcards — Simple & Secure**

One of the most secure and simple-to-use methods for strong authentication is achieved via multipurpose smartcards.

Digital identities embedded on smartcards are much more difficult to compromise when compared to other methods, such as usernames and passwords, or OTP tokens.

The digital identity never leaves the card; rather, the physical/logical service the user wants to access sends a request to the card to prove it has the digital identity. A PIN is typically required, so the card only authenticates the rightful owner.

#### **The Complex Made Easy**

Unfortunately, many smartcard solutions require a plethora of point products, are complex and place a heavy burden on IT.

Entrust cloud-based services consolidate the issuance and management of multipurpose smartcards, mobile credentials and USB tokens.

The credentialing process is simplified, allowing organizations to quickly realize the benefits of smartcard technology. This is much like the manner in which banks distribute ready-to-go credit cards to millions of customers.

Entrust's smart credential service is the proven, end-to-end cloud service for consolidating identity-based credentials.

#### **Smart Identity Credentials — Right from the Cloud**

Produce and manage a single unified identity credential for each person associated with an enterprise, government agency or citizen population — all delivered as a service.

Leverage Entrust's cloud-based management console to enroll identities, activate credentials, handle day-to-day management, print credentials and even mail smartcards to end-users.

#### **Cloud Service Benefits**

- End-to-end cloud service for identity-based smartcard credentials includes:
  - > Identity-vetting
  - > Data capture
  - > Personalization
  - > Printing
  - > Issuance
  - > Revocation
- Gain the freedom to change deployment models at any time
- Tailored for enterprise, financial, citizen or government environments
- Smart credentials available in a variety of form factors — USB tokens, smartcards, or even leverage existing mobile devices as virtual smartcards
- Leverage BYOD or corporate-issued mobile devices with advanced, cost-effective mobile smart credentials for smartphones
- Deploy single smartcard credential for secure physical, logical and cloud access
- Supported by Entrust's expertise and leadership in global credentialing projects
- Evolves with future technology such as PKI authentication and biometric data (e.g., retina scan, facial recognition, fingerprints)

### Total Access Convergence

Entrust marries legacy and contemporary physical access control technologies with logical access controls. This cloud-based solution integrates with existing physical and logical access controls, elevates the security posture of all environment types and provides a future-proof strong identity credential.

### A Unified Credential

Entrust facilitates mobility, interoperability and security of end-user access by employing one credential for building, computer and cloud access, and a wide range of useful applications (e.g., secure email, document-signing and photo identification).

## GLOBAL ISSUANCE & MANAGEMENT

Entrust's comprehensive platform approach enables organizations to issue and manage smartcard populations — whether locally or across the globe. This seamless method makes it efficient to displace outgoing legacy systems or simply issue a credential for a new employee — all from a comprehensive cloud service.



**Figure 1:** Entrust's end-to-end service enables organizations to issue, proof and manage credentials assigned to end-users. Choose to use either one or a combination of form factors, such as mobile smart credentials, USB tokens or smartcards. And any may be used for secure physical and logical access.

### Secure Production

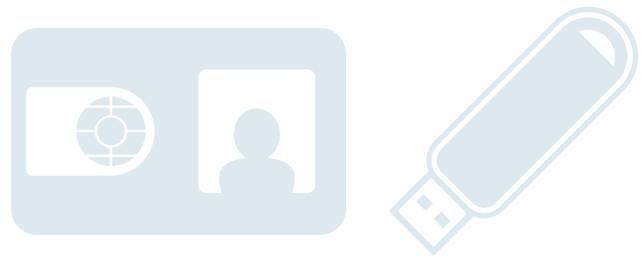
Entrust smartcards are printed with digital identities in a secure facility, delivered and distributed following simple guidelines for identity-proofing.

### Flexible Form Factors

Each organization is given the option to deploy a FIPS 140-certified smartcard. For organizations or users who do not possess card readers, a USB form factor or a mobile smart credential (virtual smartcard on a mobile device) may be selected.

These chip-based smart credentials contain microprocessors that compute, in real time, cryptographic operations that validate and authenticate users.

And since they are effectively embedded computers, they are able to store a variety of identity information (e.g., fingerprint or retina) and can evolve over time. Entrust categorizes these as smart credentials to indicate that they are based on smartcard technology.



## MOBILE SMART CREDENTIALS

The Entrust IdentityGuard Mobile Smart Credential enables organizations to leverage employee-owned or corporate-issued mobile devices for strong authentication, data protection and digital-signing.

Mobile Smart Credentials are virtual smartcards embedded on mobile devices and are available on a variety of market-leading mobile platforms, such as Apple® iOS, Google Android™ and BlackBerry®. Achieve the security of smartcards without shipping devices or forcing users to carry a second credential.

Leveraging near-field communication (NFC) and Bluetooth communication standards, Mobile Smart Credentials are embedded digital certificates on smartphones to create trusted identity credentials for stronger, more convenient enterprise authentication, digital-signing and encryption. Entrust employs a number of techniques to ensure the credential is issued to the authorized user.

Always on hand, these multipurpose credentials securely access computer workstations, network resources, data, cloud applications, physical doors or buildings — right from a mobile device. Plus, digitally sign transactions and encrypt data that are sent right smartphones by our service.

### **Identity Assurance with Mobile Digital Signatures**

Implement mobile digital signatures to speed the pace of business and deliver convenient methods for employees and customers to provide approval or verification of transactions, communication and other sensitive information. Mobile signing introduces strong non-repudiation and gives organizations and users confidence by enabling identity-assured transactions.



## ENTRUST'S SERVICE ADVANTAGE

### **Scalable, Versatile**

Entrust credentials facilitate mobility, interoperability and security of end-user access by employing one credential for building, computer and cloud access, document-signing and enabling authenticated use of a wide range of applications.

### **Future-Proof**

Because it's powered by a cloud service, Entrust credentials may be easily scaled to take advantage of future biometric standards, including fingerprints, retina scans or facial recognition — all on the same smartcard.

### **Easy Management**

Entrust provides all the traditional identity provisioning and management capabilities from a standard credentialing solution right from the cloud.

### **Intuitive Interface**

Entrust makes it easy to log in to the cloud-based interface and manage an entire organization's identity or credential landscape. This reduces costs, unburdens help desks and returns focus to core business.

### **Easy for End-Users**

One card to carry, one PIN to remember and only one process for authenticating users who "left their card at home." End-user acceptance helps reduce cost and unburdens help desks.

**SECURITY**  
**ON**



## AN END-TO-END APPROACH

Unlike other solutions in the market, Entrust's cloud-based credentialing service includes all necessary components, including identity-vetting, data capture, personalization, printing, issuance and revocation.

Entrust makes it simple to manage the entire credential lifecycle for an organization, eliminating complexity and displacing the need for multiple vendors for a single, cost-effective service.

## ENTRUST & YOU

More than ever, Entrust understands your organization's security pain points. Whether it's the protection of information, securing online customers, regulatory compliance or large-scale government projects, Entrust provides identity-based security solutions that are not only proven in real-world environments, but affordable in today's uncertain economic climate.

The smart choice for properly securing digital identities and information, Entrust solutions represent the right balance between affordability, expertise and service.

For more information on Entrust's cloud-based credentialing service, contact the Entrust representative in your area at **888-690-2424** or visit **entrust.com**.

### Company Facts

Website: [www.entrust.com](http://www.entrust.com)  
 Employees: 359  
 Customers: 5,000  
 Offices: 10 globally

### Headquarters

Three Lincoln Centre  
 5430 LBJ Freeway, Suite 1250  
 Dallas, TX 75240 USA

### Sales

North America: 1-888-690-2424  
 EMEA: +44 (0) 118 953 3000  
 Email: [entrust@entrust.com](mailto:entrust@entrust.com)

### About Entrust

A trusted provider of identity-based security solutions, Entrust secures governments, enterprises and financial institutions in more than 5,000 organizations spanning 85 countries. Entrust's award-winning software authentication platforms manage today's most secure identity credentials, addressing customer pain points for cloud and mobile security, physical and logical access, citizen eID initiatives, certificate management and SSL. For more information about Entrust products and services, call **888-690-2424**, email [entrust@entrust.com](mailto:entrust@entrust.com) or visit [www.entrust.com](http://www.entrust.com).

**Entrust**<sup>®</sup> Securing Digital Identities & Information