

## MANAGED PKI

### Secure & Enable Your Evolving Enterprise with Trusted Identity

You're moving to the cloud, empowering mobile employees, and collaborating with customers and partners. Your users are leveraging multiple devices and a variety of legacy and cloud apps. You're creating a powerful new digital ecosystem. Your evolving enterprise deserves the world's leading provider of PKI on your side, working to leverage opportunities and protect assets.

#### TRUSTED IDENTITY THROUGH MANAGED PKI

Managed PKI from Entrust Datacard establishes certificate-enabled identity to secure users, apps and devices in your evolving enterprise. You gain confidence and agility to combat threats and drive new opportunities.

#### TRUE SECURITY & AGILITY

Entrust Managed PKI gives you complete control in your changing ecosystem. Our managed solution lets you move beyond passwords and tokens and deliver frictionless experiences to all of your users. Our solution enables digital signing, secure email, network access, and information verification. It also provides full support for all of your legacy and cloud apps.

#### THE PKI PORTFOLIO OF CHOICE

The most discerning security buyers — from national governments, to the world's largest banks and security-minded enterprises insist on Entrust Datacard because we deliver best-in-class security, without fail. Now, best-in-class PKI is available in an unmatched breadth of offerings — managed, on-premises or a hybrid of both.

#### ALIGNED WITH HOW YOU DO BUSINESS

We provide our customers with access to PKI Blackbelts. Our highly trusted domain experts can shape PKI technology to fit your specific needs. Best practices are universal, but enterprise environments are unique. Leveraging our expertise ensures maximum value from your PKI investment.

#### Managed PKI Benefits

##### Advantages

- Fast Deployment, Low Complexity
- No Hardware/Software to Manage
- Low Start-Up & Lifetime Costs
- Fast Scalability for Growth
- Device Agnostic Approach
- 24 x 365 Support

##### Key Capabilities

- Certificate Issuance, Renewal & Revocation
- Automatic Configuration Tools
- Policy Enforcement
- MDM Integration
- Compliance Support
- Reporting & Inventory Tools
- Life Cycle Management for Certificates
- Easy-to-Use APIs



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# Managed PKI

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## THE POWER OF MANAGED PKI

Our Managed PKI provides you with the confidence to enable and transform your business. You can leverage trusted identities to offer secure access to a broader array of services, applications and physical locations — while guarding against increasingly sophisticated threats.

	<p><b>Private Networks &amp; VPN Security</b></p> <p>Establish a trusted network environment by issuing digital certificates to VPN gateways, remote access clients and routers.</p>		<p><b>User Authentication</b></p> <p>Give authorized users one simple and secure way to log into networks and cloud-based apps from desktops, laptops or mobile devices.</p>
	<p><b>Mobile Authentication</b></p> <p>Remove administrative obstacles for mobile workers while actually improving security — enable the powerful concept of <i>Mobile as the New Desktop</i>.</p>		<p><b>Device Authentication</b></p> <p>Simplify Shadow IT and embrace its advantages — manage the identities of all users and devices across your enterprise from a single platform.</p>
	<p><b>SSL Certificates for Websites &amp; Services</b></p> <p>Enable security capabilities at the server level — including permission management, electronic signature, digital receipt and encryption — to be applied across a wide variety of enterprise applications.</p>		<p><b>Email Security</b></p> <p>Simplify secure communication by implementing comprehensive, standards-based email encryption capabilities.</p>

## Elements of Entrust Datacard Managed PKI Service



Identification &  
Authentication

### Digital Certificates — Trusted Identity for People & Devices

Digital certificates contain information detailing the identity of a person, device or application and a public/private key pair, associated exclusively with the person, device or application.



Integrity,  
Authenticity &  
Non-repudiation

### Digital Signatures — Non-repudiation for Secure Transactions

Electronic signatures that verify acceptance of terms or authorizations of a transaction are impossible to forge, which makes them even more secure than signatures on paper.

### Message Hashing — No Tampering of Information

This technique applies a digital fingerprint to encrypted messages. Attempts to alter message content are easily detected.



Confidentiality

### Encryption — For Your Eyes Only

Encryption algorithms transform characters into unreadable code that can only be decrypted by authorized users with secure keys.

### Public & Private Key Pairs

All parties in an encrypted transaction have an assigned key pair — one public and one private. Senders use the public key unique to the recipient to encrypt messages. Recipients use their private key to decrypt the message.

## WHY DO CISOs AND CIOs PREFER MANAGED PKI?

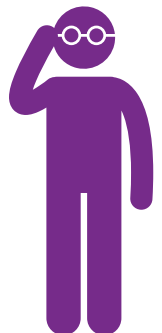


### CISOs

- ✓ Confident control in evolving environments
- ✓ Seamless integration with a broader ecosystem
- ✓ Solutions that serve as a catalyst for agile innovation
- ✓ Ready-access to trusted identity experts

### CIO

- ✓ Fast Deployment, Low Complexity
- ✓ No Hardware/Software to Manage
- ✓ Low Start-Up & Lifetime Costs
- ✓ Fast Scalability for Growth
- ✓ Device Agnostic Approach
- ✓ 24 x 7 Support



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## ENTRUST PKI PORTFOLIO

### Entrust Authority™ Security Manager

The world's leading public key infrastructure (PKI) helps organizations easily manage their security infrastructures and allows simplified management of the digital keys and certificates.

### Entrust Authority™ Administration Services

A web-based application enables delegated and distributed administration with end-to-end security by enforcing all administrative transactions to be digitally signed.

The Entrust Authority Auto-Enrollment Server automatically enrolls users and devices using a Windows® platform, while offering a range of integration touchpoints including:

- Workflow for user enrollment
- Auto-enrollment for Entrust and Microsoft clients
- Simple Certificate Enrollment Protocol (SCEP)
- Enrollment over Secure Transport (EST)
- Certificate Management Protocol version 2 (CMPv2)
- Mobile Device Management System Integration
- PKCS#10 CSR Enrollment Service

### Entrust Authority™ Security Manager Proxy

Communicate with a PKI Certification Authority (CA) over the Internet, without making changes to existing firewall settings..

### Entrust Authority™ Enrollment Server for Web

Securely issue public key infrastructure digital certificates to applications and devices.

### Entrust IdentityGuard

Our authentication solution ensures strong security for online and mobile transactions — as well as protected access to websites, VPNs, cloud apps, PCs and buildings.

### Entrust Discovery

Our cloud-based service finds, inventories and manages digital certificates across diverse systems to prevent outages, data breaches and compliance issues.

### Entrust Entelligence™ Security Provider

The desktop security solution enables a variety of security capabilities including encryption, digital signatures, secure file deletion and authentication using a single digital identity.

### Entrust Entelligence™ Secure Desktop for Mac

Our Mac-based desktop security solution enables a variety of security capabilities including encryption, digital signatures and authentication using a single digital identity.

### Entrust Entelligence™ Messaging Server

Our appliance-based email security solution delivers comprehensive, standards-based email encryption capabilities, simplifying secure communication with external business partners and customers.

### About Entrust Datacard

Consumers, citizens and employees increasingly expect anywhere-anytime experiences — whether they are making purchases, crossing borders, accessing e-gov services or logging onto corporate networks. Entrust Datacard offers the trusted identity and secure transaction technologies that make those experiences reliable and secure. Solutions range from the physical world of financial cards, passports and ID cards to the digital realm of authentication, certificates and secure communications. With more than 2,000 Entrust Datacard colleagues around the world, and a network of strong global partners, the company serves customers in 150 countries worldwide.

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).

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