Entrust Datacard™

Entrust Datacard
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Mobile Security Solutions

Securing Mobile Identities, Devices & Transactions

The proliferation of mobile devices is front and center for organizations in both employee and customer communities.

Entrust not only helps secure mobile identities and transactions, but also empowers organizations to leverage mobile devices to improve overall security and streamline business processes. Security controls are increased across all channels, enabling more convenience for employees and customers alike.

The BYOD Surge

As the use of mobile devices and applications grows — and bring-your-own-device (BYOD) initiatives become more commonplace — organizations are challenged with properly authenticating both employee-owned and company-issued mobile devices that access corporate systems, data and customer accounts.

Mobile Wins Customers, Improves Business

To effectively mitigate risk, enable true efficiency and satisfy customers in the mobile environment, organizations must properly secure mobile devices — but in a way that minimizes user barrier and frustrations. Once secured, organizations have the opportunity to leverage mobile devices to actually improve security in other parts of the business.

▶▶ entrust.com/mobile

Securing the Enterprise

Secured mobile devices are effective, popular and may be leveraged as a virtual employee identity to securely access computers, applications, cloud services and even physical doors. In high-risk situations, mobile may be leveraged to provide identity-assured transactions that effectively defeat malware-based attacks.

▶▶ entrust.com/enterprise

Customer Protection

Smartphones may be used to empower customers to better secure online transactions and defeat malicious fraud attacks that attempt to highjack customer accounts. This movement holds the promise of safe, convenient and always-in-hand solutions to secure identities and transactions across various environments.

Service Benefits

○ Serves as a comprehensive solution that addresses all your mobile needs

○ Strengthens security controls across the enterprise while offering seamless integration and improved end-user experience

○ Secures mobile identities, devices, applications and transactions

○ Defeats the most advanced fraud threats with identity-assured transactions that enhance your mobile brand

○ Roll out mobile-based services that leverage mobile identities to improve business efficiency and client interactions

○ Use flexible deployment options to meet specific needs

○ Deployed as an integral element of Entrust IdentityGuard to address the identity security needs of today and tomorrow

Secure Mobile, Leverage Mobile

Entrust's two-pronged approach — first secure the device, then leverage it to improve security — is an effective method to reduce business risk and introduce new, innovative transactional services that improve the user experience for customers and employees. It's a true differentiator in an already competitive marketplace.

Entrust offers a number of capabilities that not only help secure mobile identities and transactions, but also empower organizations to leverage mobile devices to improve overall security and streamline business processes. Security controls are increased across all channels, enabling more convenience for employees and customers alike.

SECURE MOBILE
IDENTITIES & TRANSACTIONS

LEVERAGE MOBILE
FOR THE ONLINE CHANNEL

DEVICE CERTIFICATES

MDM INTEGRATION

APPLICATION PROTECTION

ANALYTICS

STRONG AUTHENTICATION

DESKTOP MALWARE PROTECTION

MOBILE SMART CREDENTIAL

TRANSACTION-SIGNING

Powered by Entrust IdentityGuard. Entrust's comprehensive mobile security solutions help organizations effectively strengthen security, simplify ease of use and improve efficiency.

Secure Mobile Identities & Transactions

With the huge dependence on mobile to execute business operations, organizations are provisioning solutions that not only address security needs, but also ensure the mobile experience is simple and unencumbered.

Entrust solutions authenticate mobile devices connecting to a network, encrypt and digitally sign mobile email communication, embed identity protection into mobile applications, and monitor transactions to detect fraudulent or unauthorized activity. Entrust also offers a range of on-premise, hosted and pre-integrated mobile device management (MDM) capabilities to suit your needs.

DEVICE CERTIFICATES

USE CASE

Enterprise Mobility & BYOD

Verify who's connecting to networks by provisioning mobile-based digital certificates to secure access to corporate Wi-Fi and VPNs, and encrypt mobile email communication.

Device certificates may be distributed via a number of convenient methods, including cloud-based services from Entrust IdentityGuard, to help enable strong mobile security and ensure compliance.

APPLICATION PROTECTION

USE CASE

Mobile Applications for Customer & Enterprise Environments

Leverage Entrust's software development kits (SDK) to embed certificate-based or transparent one-time passcode (OTP) security right into mobile applications.

This strong user authentication is transparent to the end-user (i.e., no more passwords), helps defend against distributed denial of service (DDOS) attacks and restricts access to trusted mobile applications.

MDM INTEGRATION

USE CASE

Enterprise Mobility & MDM

Extend the value of digital certificates with automatic certificate provisioning via established MDM policy.

Leverage Entrust's rich API suite or pre-built integration with the top MDM vendors, including AirWatch, MobileIron and Good Technology, to combine the benefits of MDM with strong device identities.

ANALYTICS

USE CASE

Monitor Mobile Transactions for High-Risk or Suspicious Activity

Use real-time monitoring and intervention to identify and stop suspicious or high-risk transactions that stem from the both the mobile and online channels.

Entrust builds user behavior profiles that may be used to protect mobile transactions, such as money transfers, payments, stock trades or even changes in account information.

Leverage Mobile for the Online Channel

Using mobile devices for strong authentication and identity-assured transactions is the secure, practical and cost-effective approach to enable organizations to unlock the power of mobile computing. Entrust offers a number of solutions to defeat malware and secure access to logical, cloud and physical resources.

STRONG AUTHENTICATION

USE CASE

Online Access to Customer & Enterprise Applications

Deploy mobile-based, one-time passcodes (OTP), grid cards or SMS OTPs to strongly authenticate identities that require two-factor access controls to either customer-facing or enterprise-based Web applications.

Eliminate the cost and complexity of hard tokens with secure, over-the-air (OTA) provisioning to mobile end-points.

MOBILE SMART CREDENTIAL

USE CASE

Mobile Enterprise Credentials for Physical, Logical & Cloud Access

Eliminate hardware tokens, passwords and physical access cards with an always-on-hand smartphone. Embed smart credentials on employee smartphones to create trusted identity credentials for stronger, more convenient enterprise authentication.

Mobile smart credentials use near-field communication (NFC) or Bluetooth standards to securely access computer workstations, network resources, data, cloud applications, physical doors or buildings, and also enable users to digitally sign transactions and encrypt data.

DESKTOP MALWARE PROTECTION

USE CASE

Commercial Banking

Enterprise Fraud Threats

Stop fraud attacks that target critical assets such as online banking, e-commerce, cloud services and even employee desktops. Identity-assured transactions stop desktop malware and session-riding attacks, securing the enterprise and customer data.

Leverage mobile applications to confirm transactions on secure channels that are far more secure and simple to use than basic approaches such as SMS. In addition, leverage transaction verification to offer easy-to-use, anywhere, anytime dual-control services.

TRANSACTION-SIGNING

USE CASE

Commercial & Retail Banking
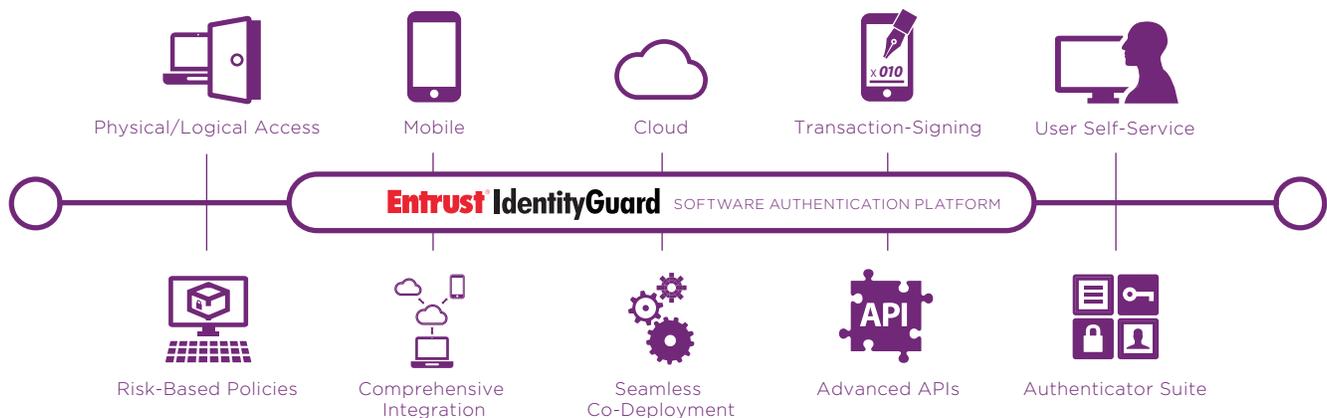
Enterprise Workflow Efficiency

Deploy mobile-based smart credentials to implement qualified digital signatures to legally authorize transactions, increase efficiency and enable new business services in both enterprise and customers processes.

With mobile-based digital signing built into mobile applications, organizations eliminate the need for complex client-side software and expensive signing tokens — all while delighting customers with new, convenient services.

The True Identity Platform

Entrust's mobile security solutions are an integral element of the Entrust IdentityGuard software authentication platform — an enterprise-wide solution that solves the identity challenge once and for all. Whether by placing smart credentials directly on user smartphones or by leveraging one of the many options afforded by Entrust IdentityGuard, Entrust helps organizations embrace the ubiquity of mobile devices within any given environment.

Identity-Based Security Framework

Physical/Logical Access   Mobile   Cloud   Transaction-Signing   User Self-Service

Entrust IdentityGuard SOFTWARE AUTHENTICATION PLATFORM

Risk-Based Policies   Comprehensive Integration   Seamless Co-Deployment   Advanced APIs   Authenticator Suite

More Flexibility, More Control

Your Brand, Our SDKs

Entrust's easy-to-use software development kits (SDK) help organizations create customized or branded mobile authentication applications tailored to the requirements of a specific environment. Entrust's authentication capabilities may be embedded transparently into existing mobile applications, further simplifying both security and the user experience.

Multiple Identities, One Device

Embrace the power of mobile efficiency by enabling multiple digital identities on a single device or even distinct identities sharing a device. This provides independent activation and control, plus customization that ensures brand integrity remains intact.

Gain an Affordable Token Approach

Reduce strong authentication costs by leveraging existing devices. Entrust places soft tokens on smartphone platforms to improve end-user adoption and simplify the authentication of identities. Further simplify deployment with easy over-the-air (OTA) activation via the Entrust IdentityGuard Self-Service Module or a Web link distributed via email.

Popular Platforms

Entrust's mobile solutions are available on today's leading smartphone platforms, including Apple iOS, Google Android, Windows Phone and BlackBerry. Select platforms also gain out-of-band transaction verification to help combat online fraud — a seamless, back-end experience that doesn't require the user to enter a confirmation code to complete a transaction..

Critical Security, Convenient Controls

Entrust mobile security solutions are available in two core identity formats, including digital certificates or OATH-based OTP controls, and provide organizations with the flexibility in addressing evolving business needs.

Embed forced-PIN control to protect access to mobile applications or implement policies to detect when a user device has been jailbroken, which could lead to a critical void in security. Entrust also supports a rich suite of over-the-air provisioning and user self-service capabilities that can be integrated into onboarding and distribution processes.

Ultimate Versatility

Any Authenticator, One Platform
Entrust's diverse set of authentication capabilities include smartcards and USB tokens, soft tokens, grid cards and eGrids, IP-geolocation, questions and answers, mobile smart credentials, out-of-band one-time passcode (delivered via voice, SMS or email), out-of-band transaction verification and a range of one-time-passcode tokens.

Mobile Self-Help
Via the secure, Web-based Entrust IdentityGuard Self-Service Module, end-users may manage many aspects of their accounts — device enrollment, obtaining certificates, provisioning and more — freeing administrator time without compromising the security of the network.

Get Notified
Entrust IdentityGuard supports push notifications to mobile devices alert users of a pending transaction. This helps quickly notify users of potential fraud.

Rich APIs & Application Integration
Entrust's open API architecture allows for tight integration with today's leading mobile device management (MDM), identity access management (IAM) and public key infrastructure (PKI) vendors. This enables Entrust IdentityGuard to work with new and existing enterprise implementations, plus adds the ability to integrate in-house or managed service-based digital certificates.

Identities from the Cloud
Entrust offers cloud-based services to enable any organization to seamlessly provision and manage digital certificates and identities — for both users and mobile devices — without standing up their own certificate infrastructure. This approach reduces costs, increases efficiency and simplifies setup and deployment.

Future-Proofed
Be ready for what's next. Entrust's versatile platform approach enables organizations to introduce or change mobile security controls — camera, voice channel, GPS or touch patterns, for example — with little or no adverse effects on the environment or user population.

Entrust offers a number of capabilities that not only help secure mobile identities and transactions, but also empower organizations to leverage mobile devices to improve overall security and streamline business.

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 or visit www.entrust.com .

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Trusted Identities | Secure Transactions