



Entrust Identity  
Enterprise  
Transaction  
Signing Suite

## Secure Transactions with Ease

The Entrust Identity Enterprise platform supports an array of secure, convenient, and easy-to-use transaction signing solutions that will secure banking and payment transactions, ensure regulatory compliance, and provide you with the flexibility to adapt to ever-evolving business needs.



**ENTRUST**

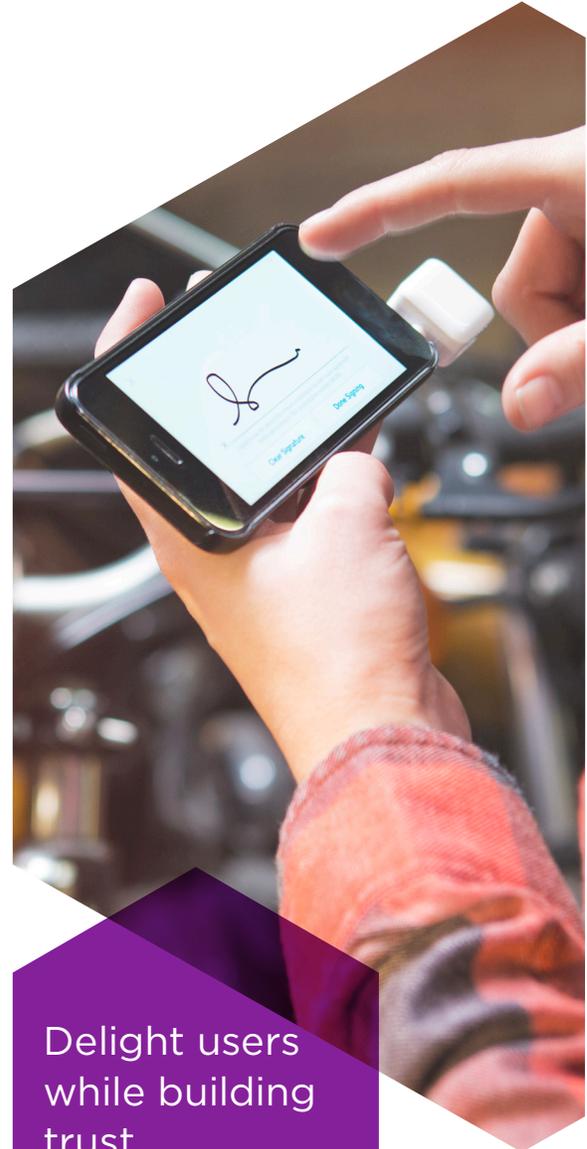
SECURING A WORLD IN MOTION

## OVERVIEW

# Stop online fraud in its tracks

Entrust transaction signing solutions allow you to offer your customers digital services confidently, by engaging your customers in the fight against online fraud. Unlike dated approaches that rely on passwords or static credit card CVV codes, our security solutions protect against today's advanced attacks while reducing user frustration.

Whether your preference is hardware, software, or mobile solutions, Entrust Identity Enterprise supports them all on a single platform and provides both one-time password (OTP) and PKI-based security options.



Delight users  
while building  
trust.

## THE OPPORTUNITY

# Secure transactions, keep IT costs in check

Internet banking, e-commerce, and corporate web-based services provide customers and users with convenient, always-on access. However, increasing online banking and e-commerce card-not-present (CNP) fraud can place your business at risk in terms of customer trust, brand reputation, and monetary loss. Securing transactions, while ensuring a positive customer experience and keeping IT costs in check becomes a difficult challenge that calls for an innovative solution. One that not only meets your functional requirements, but is also industry proven and built on years of deep security experience.

## KEY BENEFITS

**Stop online banking and e-commerce fraud in its tracks** without compromising trust

**Accelerate your digital services strategy** without compromising security

**Ease and convenience of mobile**, with patent pending out of band transaction verification

**Flexibility** to support users without mobile, offering an array of hardware tokens for those who don't like change

**Promote your brand** - with Entrust, you can easily customize branding and even integrate your own mobile app

**Industry proven experience that you trust** - Entrust has more than 25 years of digital identity experience serving the world's largest banks, governments and enterprises

**Integrate and migrate with ease** - you can co-deploy alongside existing authentication solutions augmenting rather than replacing your investment

## HIGHLIGHTS

# Simple, convenient transaction security

Digital transaction signing is not a new concept, but dated solutions frustrate users with a cumbersome user experience and countless keystrokes. Entrust mobile solutions provide one-click transaction signing that delights users while building trust. Other approaches use QR code technology to reduce data entry, while our hardware tokens include advanced ergonomic features. All Entrust solutions can be custom-branded, and mobile solutions can even be built into your mobile application using our advanced software development kit (SDK).

# Invest wisely, invest once

Unlike many point solutions that offer a narrow solution scope, Entrust Identity Enterprise will not only meet your current needs, but will also enable you to adapt more quickly to evolving technology, changing business needs, and ever more sophisticated threats with a robust authentication platform that grows with your needs.

## HOW IT WORKS

# Transaction signing that suits specific needs

Entrust Identity Enterprise secures transactions in three simple steps, yet provides you with the choice and flexibility to allow customers and users to sign using the method that best suits their needs. While mobile options provide the most streamlined user experience – with a simple click of the “OK “ button or a photo snap of a QR code if no data connection is present – Entrust Identity Enterprise also supports a hardware based approach. This includes QR code camera tokens, keyboard-based tokens, and smart-card-based solutions such as USB- and card-based options.



### STEP 1

Originate transaction  
on PC or mobile device.



### STEP 2

Sign transaction using  
method of choice.

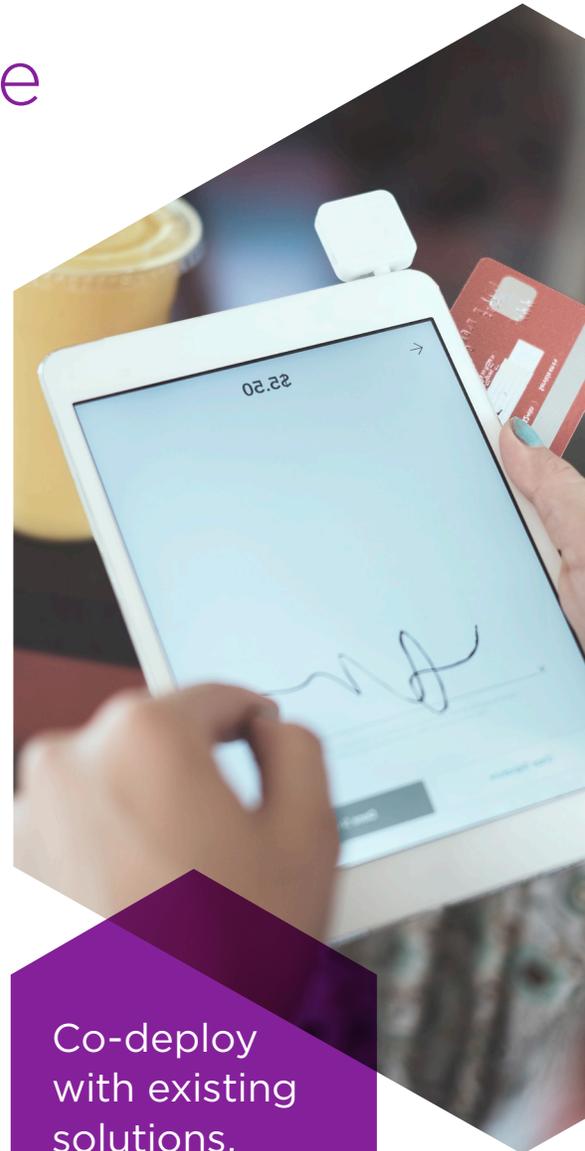


### STEP 3

Securely complete transaction.  
(either automatically or  
by entering OTP).

# Deploy with ease, expand as needs evolve

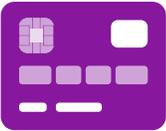
While transaction signing may be an evolving requirement within your organization, chances are you have already deployed strong authentication to protect access to online services. While Entrust Identity Enterprise offers a comprehensive suite of authentication capabilities for retail, commercial, and a variety of other use cases, many banks are simply not ready to “rip and replace” their current authentication systems. Entrust understands and has designed Entrust Identity Enterprise so that individual features or modules can be deployed alongside your existing environment – augmenting, rather than replacing, what you have in place. With a rich set of APIs, SDK, and co deployment capabilities, you can take advantage of our transaction signing solutions, integrate them into your current system and, if desired down the road, enable additional Entrust Identity Enterprise modules as your needs dictate.



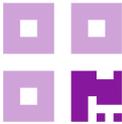
Co-deploy  
with existing  
solutions.

# ENTRUST IDENTITY ENTERPRISE TRANSACTION SIGNING - COMPARISON OF APPROACHES

## PKI-Based Transaction Signing Approaches and Benefits

<p>Mobile Transaction Verification (Online) Mobile Push</p> 	<ul style="list-style-type: none"> <li>• Improve customer experience with fewer keystrokes and easy-to-use app</li> <li>• Always in hand - users bring their mobile devices everywhere</li> <li>• Creates PKI-based digital signature</li> </ul>
<p>USB Token</p> 	<ul style="list-style-type: none"> <li>• No requirements for mobile device</li> <li>• Easy-to-use - fits in virtually any PC</li> <li>• Creates PKI-based digital signature</li> </ul>
<p>Smart Card</p> 	<ul style="list-style-type: none"> <li>• No requirements for mobile device</li> <li>• Easy to carry and use (where card reader is available)</li> <li>• Creates PKI-based digital signature</li> </ul>

## OTP Transaction Signing Approaches and Benefits

<p>Mobile Transaction Verification (Online) Mobile Push and OTP</p> 	<ul style="list-style-type: none"> <li>• Improve customer experience with fewer keystrokes and easy-to-use app</li> <li>• Always in hand - users bring their mobile devices everywhere</li> <li>• Lower TCO as there are no physical hardware tokens, simple to deploy</li> <li>• Optional support for Trusted Execution Environment storage of digital ID</li> </ul>
<p>Mobile Transaction Verification (Offline) QR Codes</p> 	<ul style="list-style-type: none"> <li>• Leverage existing mobile device but can be used without a WiFi or data connection</li> <li>• Always in hand - users bring their mobile devices everywhere</li> <li>• Lower TCO as there are no physical hardware tokens, simple to deploy</li> <li>• Optional support for Trusted Execution Environment storage of digital ID</li> </ul>
<p>Flexi Token</p> 	<ul style="list-style-type: none"> <li>• No requirement for mobile device</li> <li>• Never connected to the internet / exposed to potential malware</li> <li>• Can be used without a WiFi or data connection</li> <li>• Thin, ergonomic form factor with rich branding options</li> </ul>
<p>QR Camera Token</p> 	<ul style="list-style-type: none"> <li>• No requirement for mobile device</li> <li>• Never connected to the internet / exposed to potential malware</li> <li>• No need to input long transaction data with the keyboard - QR codes allow this token to generate transaction data automatically</li> <li>• Can be used without a WiFi or data connection</li> </ul>

## OUR OFFERING

# Your enterprise IAM platform

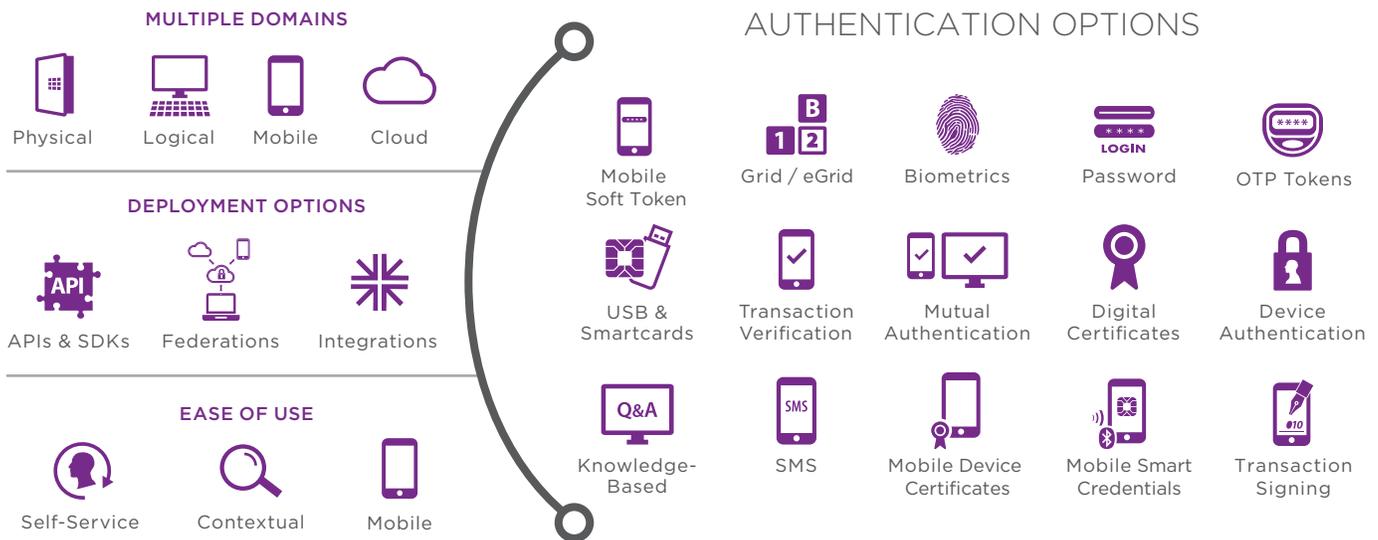
Entrust Identity Enterprise is a next-generation Zero Trust security framework that serves as the foundation for your current and evolving digital identity needs. With rich, contextual policy management, security can automatically adapt according to access requirements or the risk in a given transaction – across diverse users and applications.

Entrust's software authentication platform does not impact normal user behavior or back-end applications, speeding deployment and helping to save money. Entrust Identity Enterprise affords the flexibility for specific authenticators to be defined on a per application and/or group basis so you can tailor security to the use case and risk situation. Simple policy change can seamlessly adjust the authentication behavior of all applications – virtually instantly, and without having to re-architect applications – giving you the agility to proactively protect what matters most.

Entrust's management framework is unique to the market and drives significant value for today's connected enterprise. The solution enables organizations to deploy strong, risk-based authentication to properly secure employee access, privileged user accounts, and even customer and partner access to company portals.

# Entrust Identity Enterprise

- Deploys to a single server
- Co-deploys with existing authentication solutions for smooth migration
- Integrates with easy-to-use APIs
- Provides mobile, physical, and logical authentication
- Federates internal and cloud-based applications (e.g., Salesforce.com, Microsoft 365)
- Reduces cost and maximizes staff efficiency with an intuitive self-service module



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## ABOUT ENTRUST CORPORATION

Entrust secures a rapidly changing world by enabling trusted identities, payments, and data protection. Today more than ever, people demand seamless, secure experiences, whether they're crossing borders, making a purchase, accessing e-government services, or logging into corporate networks. Entrust offers an unmatched breadth of digital security and credential issuance solutions at the very heart of all these interactions. With more than 2,500 colleagues, a network of global partners, and customers in over 150 countries, it's no wonder the world's most entrusted organizations trust us.

Learn more at  
**entrust.com**



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