



ENTRUST

Identos and Entrust enable secure and compliant mobile applications

IDENTOS

Encryption-as-a-Service (EaaS) solution handles digital identities and protects data with key management designed for mobile applications

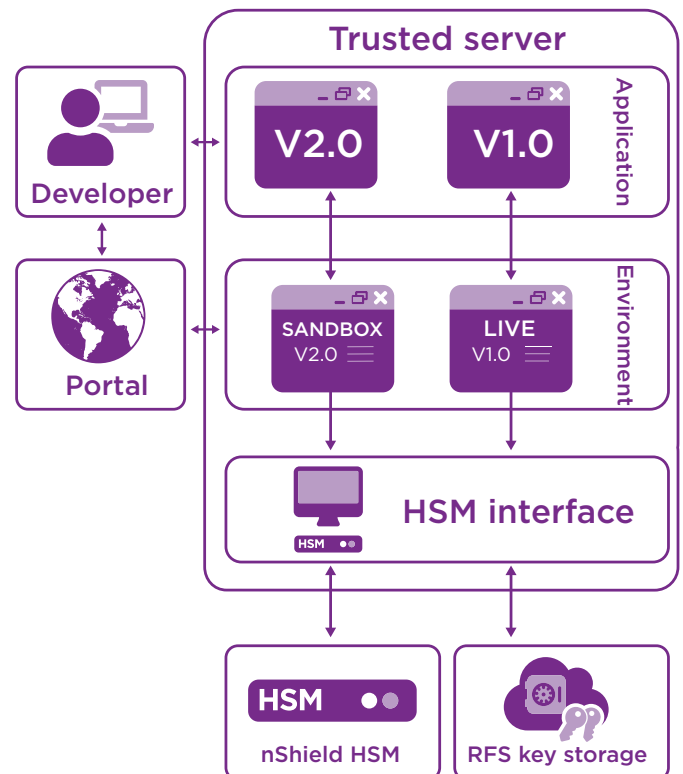
HIGHLIGHTS

- Authenticate all requests with strong cryptographic signatures
- Integrate software development kit (SDK) quickly into applications
- Capture key use and data access with auditable event tracking
- Generate and store keys with FIPS 140-2 Level 3 certified HSM
- Enhanced performance for mobile applications and mobile data

the data at all times against unauthorized user access is essential in building customer trust for long-term success.

The problem: with increased demand for mobile applications, data privacy and compliance are of growing concern

Mobile applications deliver unprecedented cost savings, operational efficiencies, and convenience to end users. This has put pressure on the private and public sector to grow these services. As organizations increasingly build more applications that use and store highly sensitive data, protecting



Entrust nShield Connect HSMs protect and manage the cryptographic keys used by the IDENTOS EaaS trusted server. nShield can be deployed on-premises or as a service.

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The challenge: securing data on mobile devices that organizations don't manage creates undue risk

Protecting sensitive data at all times and on all devices is critical for compliance in heavily regulated markets such as healthcare, financial services, government, and retail. End-to-end application security that protects data while in motion, at rest, and even while on the device's screen typically requires complex, costly integration and upkeep.

The solution: Identos EaaS trusted server and Entrust nShield hardware security modules (HSMs) enable compliant mobile application that protect data

IDENTOS EaaS trusted server is a mobile-first approach to data security that supports business infrastructure to deliver compliant and secure mobile applications. With an easily integrated SDK, no specialized knowledge or training in security, encryption, or key management is required. The innovative security platform delivers strong authentication, data encryption, and the audit controls required in compliance based environments.

IDENTOS encryption software integrates with nShield Connect HSMs to closely manage user identification at all times. Cryptographic key usage and data access requests are tracked with the ability to disable encryption keys if the application or device becomes untrusted or is no longer secured, and remotely wipe data in mobile applications if an account or a device is compromised, lost or stolen. Digital signatures offer transaction authentication and verification as well as mobile API protection. IDENTOS end-to-end encryption technology is designed to work with nShield Connect HSM's, on-premises or as a service, to provide secure and compliant mobile application solutions.

Why Identos EaaS trusted server and Entrust nShield Connect HSMs?

The IDENTOS and Entrust partnership offers a simplified mobile security solution for establishing a public key infrastructure (PKI) for mobile applications. Using nShield Connect HSMs, customers can develop mobile applications using digital identities that protect sensitive data with robust AES 256 bit encryption keys. Entrust industry-leading HSMs protect the encryption keys used by governments and enterprises. Entrust HSMs are certified to globally recognized standards such as FIPS 140-2 and Common Criteria EAL 4+, and designed to support high volume transaction rates. The modules also support secure run-time environments to protect powerful custom applications, and its flexible architecture simplifies scaling as customers' security needs expand.



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Entrust nShield HSMs provide a hardened, tamper-resistant environment for secure cryptographic processing, key protection, and key management. With Entrust HSMs, organizations can:

- Automate administrative tasks, such as compliance reporting and backups, minimizing operational costs and reducing human error
- Run security-critical code within the protected environment on the HSM
- Integrate with applications using a wide range of APIs
- Support operational growth with a flexible and scalable family of solutions
- nShield is available in several form-factors: as an appliance, PCIe, USB, and as a service.

Entrust HSMs

Entrust nShield HSMs are among the highest-performing, most secure and easy-to-integrate HSM solutions available, facilitating regulatory compliance and delivering the highest levels of data and application security for enterprise, financial and government organizations. Our unique Security World key management architecture provides strong, granular controls over access and usage of keys.

Identos

IDENTOS EaaS offers easily integrated security to transform applications into industry compliant solution that protect what matters most – the application data. The application data is protected at all times, while in motion, at rest, and even while on screen. The customizable security intelligence portal provides application users real time visibility into threats, suspicious activity, or unauthorized attempts to access data.

Learn more

For more detailed technical specifications, please visit; www.entrust.com/HSM or www.identos.com

To find out more about
Entrust nShield HSMs

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entrust.com/HSM

ABOUT ENTRUST CORPORATION

Entrust keeps the world moving safely 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

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