

Entrust Authority Toolkits

Integration APIs to Grow Business, Increase ROI

The Entrust Authority Toolkits are security integration APIs that help improve service levels and cost-effectively achieve time-to-market goals with easy integration of proven security into critical business applications.

Developers can rapidly build and deploy scalable applications with flexible security services using X.509-managed certificates.

The toolkits provide a secure framework where sensitive information remains private. This is essential for B2B, B2C, G2C, and enterprise applications and transactions to remain trusted.

By implementing a strategy from the security experts, you can deliver new revenue at a lower cost while your developers focus on what they know best — your business.

Powerful Toolkits

Entrust Authority Toolkits are comprised of two main components.

- Software development kits (SDK) used by developers to integrate security capabilities, such as digital signatures or encryption, into their applications.
- Cryptographic engines that are distributed to the server or client application and perform security functions, including digital signatures and encryption of email, files, etc.

Product Features

When Entrust Authority Toolkits are used in combination with Entrust PKI, organizations can easily automate digital certificate management, centrally define policy and control application behavior to comply with regulatory and organizational requirements.

- Trusted, FIPS-validated framework for successful e-business development
- Broad platform support
- High-level APIs that leverage Entrust's cryptographic expertise, minimizing risk of security breaches
- Option to integrate with Entrust's comprehensive PKI management capabilities
- Enables organizations to integrate security capabilities in applications in a heterogeneous, multivendor environment

Solution Benefits

- Offers strong, cost-effective security for internal or external applications
- Provides ability to rapidly add new services or improve existing service levels using proven security
- Includes ability to bundle security with products you sell
- Helps secure open, standards-based file exchanges with partners, customers and suppliers
- Enables data protection to safeguard competitive advantage and comply with government regulations such as Sarbanes, HIPAA, Red Flags or GLBA
- Offers ability to build custom S/MIME applications
- Provides consistent security across applications and platforms independent of individual developer/user decisions

Toolkit Options

Security Administration Toolkit for Java

Develop customized Java-based registration and administration processes for Entrust PKI.

Security Administration Toolkit for C

Develop customized C-based registration and administration processes for Entrust PKI.

Security Toolkit for Java Platform

Develop interoperable Java applications, applets or servlets.

Security Toolkit z/OS Ed. for Java Platform

Develop interoperable Java applications, applets or servlets for IBM z/OS platform.

PKCS#7 Toolkit for C/C++

Create S/MIME and Privacy Enhanced Mail (PEM), plus store and forward applications.

Technical Details

- Strong, certificate-based authentication using X.509v3 standard
- Permanent, digitally signed transaction records
- End-to-end protection of data by encryption to custom file transfer applications
- Persistent encryption of data at rest on the organization's networks, databases and servers
- Easy interoperability and extensibility through compliance with open standards, XML digital signature and encryption standards
- Non-repudiation through time-stamped S/MIME and PKCS#7 documents
- High-level APIs for reduced development time and lower costs
- Broad support for smartcards, tokens, HSMs, policy certificates and client-side settings to enforce corporate guidelines
- Path validation per X.509 and RFC3280

Cost-Effective Pricing

Organizations building commercial applications on a trusted, FIPS-validated framework can cost-effectively add security to products they sell. In contrast, organizations seeking to bundle security with applications should consider royalty-based pricing.

More Information

For more information about Entrust Authority or Entrust's advanced API toolkits, contact the Entrust representative in your area at **888-690-2424**, visit **entrust.com/pki** or email **entrust@entrust.com**.

Partner Integration

Leverage hardware and software integration completed with Entrust TrustedPartners. Visit **entrust.com/partners** for more information.

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** or visit **www.entrust.com**.

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