



## Using Certificates with Entrust Entelligence Security Provider

While certificates can be used without installing Entrust Entelligence Security Provider, the additional features and benefits they provide add significant value to your hosted certificate environment. The following table shows how Entrust Entelligence Security Provider adds value to signing, encryption and user authentication.

Added Functions & Capabilities with Entrust Entelligence Security Provider	Signing	Encryption	Authentication
Provides automatic certificate renewal before expiry and silently updates desktop applications using the new certificate. For users, there is no downtime or confusion about expired keys.	✓	✓	✓
Manages user certificates on a desktop and smart card.	✓	✓	✓
Provides an independent key store for improved user experience. As keys are renewed or changed, the old keys are securely kept so that documents encrypted with old digital IDs can be decrypted months or years later.		✓	
Gives users the option to permanently decrypt files in their Microsoft Outlook <sup>®</sup> inbox for easier viewing and content search.		✓	
Caches recipient certificates on the local computer so users can still compose e-mail offline.		✓	
Provides portability. Users can easily export their certificate and copy it to a laptop or home computer for temporary use.	✓	✓	✓
Protects certificates with a password so that no one else can use them.	✓	✓	✓
Opens and maintains a secure connection whenever it needs to communicate with the Entrust Managed Services PKI site.	✓	✓	✓



Added Functions & Capabilities with Entrust Entelligence Security Provider	Signing	Encryption	Authentication
Automatically updates the certificate on the user's computer if you change the user's distinguished name (DN). (Entrust Managed Services PKI creates new key pairs when the DN changes.)	✓	✓	✓
Lets users encrypt and/or sign files through an easy-to-use right-click menu. Users can later decrypt and verify these files using Entrust's solution or other standards-compliant cryptographic product.	✓	✓	✓
Allows tight integration with Entrust Entelligence Messaging Server for more efficient management of external user certificates.		✓	
Includes a built-in Online Certificate Status Protocol (OCSP) client to check the revocation status of digital certificates; there is no need to purchase, deploy and maintain a separate OCSP client. To help with troubleshooting, the Entrust OCSP client provides logging across Microsoft® Windows® XP, Microsoft® Windows® Vista and Microsoft® Windows® 7.	✓	✓	✓
Provides NIST-approved, full-certificate path validation in a bridged or cross-certified PKI environment. You can trust that the identity claimed in a digital signature is authentic, and that the identity was issued by a trusted authority and is valid for the intended use. This reduces risk and ensures the trust required for PKI-secured transactions.	✓	✓	✓
Automatically associates keys and certificates with various applications, including Microsoft Outlook and a variety of VPN clients. Users do not need to manually set up certificate association after initial enrollment or subsequent key updates.	✓	✓	✓

For additional information about Entrust Entelligence Security Provider, please visit [entrust.com/entelligence](http://entrust.com/entelligence) or call **888-690-2424**.

**About Entrust**

Entrust provides identity-based security solutions that empower enterprises, consumers, citizens and Web sites in more than 4,000 organizations spanning 60 countries. Entrust's identity-based approach offers the right balance between affordability, expertise and service. For strong authentication, fraud detection, digital certificates, SSL and PKI, call 888-690-2424, e-mail [entrust@entrust.com](mailto:entrust@entrust.com) or visit [www.entrust.com](http://www.entrust.com).



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