

**Entrust**<sup>®</sup> Securing Digital Identities & Information



**Securing Your  
Digital Life**

Entrust Technical Integration Guide for Entrust Entelligence Security Provider  
and Partner VASCO DIGIPASS CertiID 3.0.1

June , 2008

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## Introduction

VASCO is a leading supplier of strong authentication and e-signature solutions and services specializing in Internet Security applications and transactions. VASCO has positioned itself as a global software company for Internet Security serving a customer base of close to 7,100 companies in more than 100 countries, including more than 1000 international financial institutions. VASCO's prime markets are the financial sector, enterprise security, e-commerce and e-government.

Vasco data security proposes a family of the security token including Smart cards. The Digipass CertiID can be used multiple smart cards and hybrid USB token for the management of the PKI credential. Digipass is a user friendly solution of a company with an impressive track record in the financial sector. Digipass CertiID offers strong authentication and the non-repudiation for e banking, ecommerce and financial transactions.

Vasco solution based on the Digipass CertiID extends and leverages the Entrust offer for the PKI infrastructure by adding two strong factors with the smart card and the USB Token. The Vasco solution manages easily the advantage of the PKI certificates, RSA Keys generations and the One Time Passwords (OTP)

This technical integration guide provides an overview of how to integrate Entrust Entelligence Security Provider with VASCO DIGIPASS CertiID 3.0.1.

## Entrust Product Information

**Entrust Entelligence® Security Provider** is an enterprise-wide security platform for Windows desktops, domain controllers, and authentication servers that allows organizations to deploy the digital identities that enable the strong authentication, encryption and digital signature capabilities within a number of authentication applications and other applications such as data encryption and secure email. This allows customers to meet a broad set of application security requirements, all from a single solution — helping to enable an easy to manage security infrastructure with minimal administrative involvement and impact on end users. Entrust Entelligence® Security Provider's tight integration with native Microsoft Windows security architecture allows it to deliver security to enterprise applications in a way that is easy to deploy and manage.

The Entrust Entelligence™ Security Provider platform is composed of two components:

**Entrust Entelligence® Security Provider for Windows** automatically manages and protects the digital identities used by applications for encryption, digital signature and authentication.

**Entrust Entelligence® Security Provider for Outlook** complements Security Provider for Windows by delivering capabilities that simplify the delivery of secure messages from the sender to the recipient's desktop. It increases the performance and simplicity of secure messaging by transferring all the complexities of secure mail processing to the Entrust Entelligence Messaging Server, with no impact to the end user.

## Partner Product Information

**Partner Name: VASCO Data Security**

**Website:** [www.vasco.com](http://www.vasco.com)

**Product Name:** DIGIPASS CertiID

**Product Version:** 3.0.1

**Platform and Service pack:** Windows 2000 SP4, Windows XP SP2, Windows Vista SP1

- **Product description:** Enables secure access, Strong authentication, (Static password replacement by Windows PKI login, VPN, Physical access).
  - Two factor authentication with the DP CertiID card
  - Strong password: Password cannot be used by anyone who knows it, no weak passwords, strong password policies enable
  - Secure communications and transactions via email,
  - Signed all transactions ( increase the possibility to signed any documents, no token limitation)
  - Non repudiation
  - Secure the exchange by encrypting the data,
  - Provide a secure audit.
  - Support multiple Ca infrastructures by one card.
  - Support PKI credentials.

The benefits of this solution for the Business:

- Facilitate the regulation law and increased the security compliance (Sarbanes-Oxley, HIPAA, etc..)
- Increase the productivity:
  - Combined the support of multiple service by one card, only one pin,
  - Intuitive interface with the Graphic interface,
- Cost reduction: Easy to deploy and maintain
  - User experience: insert your card and type your pin,
  - Digipass smart card Id : same support for photo, physical access building
  - Automatic software update and custom setup deployment
  - Integrator and partner can easily expand/integrate the support of the smart card or and pki in the proprietary application without any knowledge of its by the SDK

## Integration Overview

Supported environments:

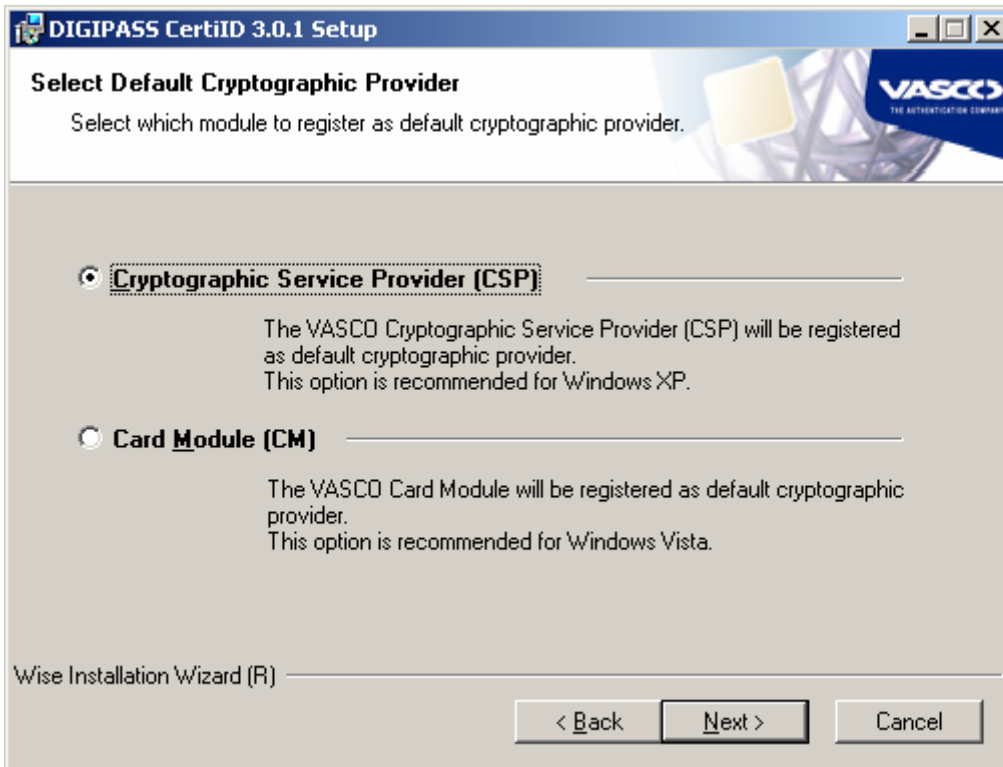
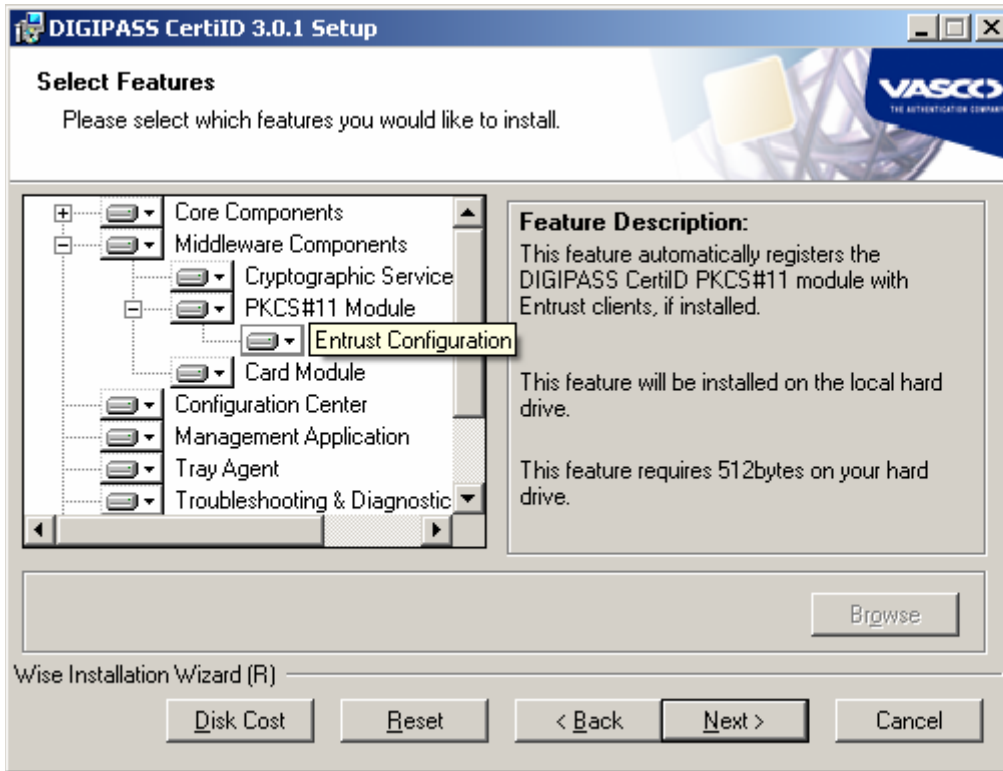
- Microsoft Windows Vista (including SP1), 32-bit
- Microsoft Windows XP with SP2 (or higher), 32-bit
- Microsoft Windows 2000 with SP4 (or higher)
- Microsoft Windows Server 2008 with SP1 (or higher), 32-bit
- Microsoft Windows Server 2003 with SP1 (or higher), 32-bit

Refer to the installation guide for all detail instructions

VASCO DIGIPASS CertiID integrates cryptographic middleware to the Entrust product family. CSP/PKCS#11 are used to issue and manage Entrust identities on smart cards.

## Integration Details

Install VASCO DIGIPASS CertiID with CSP selected as default cryptographic provider. PKCS#11 is automatically configured with Entrust, if Entrust has been installed before. Otherwise the PKCS#11 configuration for Entrust will not be installed.



## Configuring Entrust Products

In Entrust Security Manager Administration, Security Policies the User Policies must be set to use the VASCO CertiID Smart Card Crypto Provider by default.

## System Behavior/Limitations

VASCO DIGIPASS CertiID will configure PKCS#11 as the default cryptographic provider. The integration between CertiID and Entrust has no additional influence on other systems.

## System Components

<b>Entrust Products</b>  <b>Entrust Entelligence Security Provider 8.0 for Windows</b>	<b>List Partner products including their versions.</b>  <b>VASCO DIGIPASS CertiID 3.0.1</b> <b>VASCO cardOS 4.01 to 4.3b (32kb or 64kb EEPROM)</b> <b>VASCO Starcos Card 3.1 (72kb EEPROM)</b> <b>VASCO DP 860 USB token</b>
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## Partner Contact Information

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Please check PSIC for the latest supported version information at:  
<https://www.Entrust.com/support/psic/index.cfm>

### **Additional Information**

Include any information or overview of the Partner company and its products and a web site link where additional product information can be found pertaining to this integration.

For any additional question for the Digipass CertilD 3.0.1 you can also contact directly the Product Manager  
[Bernard.Joly@vasco.com](mailto:Bernard.Joly@vasco.com)

Or visit the web site <http://www.vasco.com>