Reduce Identity Management Cost and Complexity

Gemalto and IBM have integrated their award winning solutions to provide enterprises with a best in class identity management solution that provides greater usability and maximum security. Implementing enterprise identity management and single sign-on offers great benefits in terms of user convenience, reduced cost of account administration and audit compliance. Gemalto’s Protiva™ Enterprise Security Solutions provides the additional layer of trust needed to handle the sensitive data used in finance, healthcare, defense and government organizations. Protiva security solutions’ strong integration with the Tivoli™ security suite gives users a unified experience from logon to enterprise single sign-on while benefiting from the proven security of smart card technology.

Gemalto and IBM have worked together to ensure the support for the Protiva cryptographic cards with Tivoli Access Manager for e-business (TAM eb) and Tivoli Access Manager for Enterprise Single Sign-On (TAM ESSO). The seamless integration gives enterprises the opportunity to extend their investment in Tivoli Access Manager and implement Protiva smart cards, supporting two factor authentication, hardware encryption and legally binding digital signature.

Protiva™ security solutions come in a variety of form factors, such as smart cards for converged physical and logical access, USB tokens and combined OTP/PKI cards and tokens. Protiva security solutions enable and support the use of public key credentials in the enterprise environment and comply with the requirements of major infrastructures such as the US Personal Identity Verification (PIV) and Europe Identification Authentication Signature (IAS) standards.

These solutions are built to meet the highest standards in security evaluation such as NIST FIPS 140-2 and Common Criteria EAL4+ and conform to open standards like OATH, EMV-CAP, ISO 7816 and Global Platform. Protiva smart cards support the PKCS#11 and Microsoft® CAPI specifications to integrate with enterprise applications such as secure access to networks, machines and applications as well as data encryption and signature.

Protiva security solutions comply with most open specifications for Public Key Infrastructure, ensuring the compatibility with the leading Certificate Authority and Card Management Systems. In particular, Opentrust SCM suite, through its integration with Tivoli Identity Manager, ensures an end to end identity management system from user provisioning to identity deactivation.
Protiva™ Enterprise Security Solutions for Tivoli® Access Manager

### Enterprise architecture and integration

- **TPC Classic**
  - Flexible enterprise platform
  - TAM ESSO Ready? Yes
  - TAM eb Ready? Yes
  - PKI Support? Yes
  - OTP Support? On Request
  - PAC Support? Yes
  - USB Form Factor Yes

- **.NET**
  - Flexible enterprise platform
  - TAM ESSO Ready? Yes
  - TAM eb Ready? Yes
  - PKI Support? Yes
  - OTP Support? Yes
  - PAC Support? Yes
  - USB Form Factor Yes

- **PIV Card**
  - Compliance with USA FIPS 201 mandate
  - TAM ESSO Ready? Yes
  - TAM eb Ready? Yes
  - PKI Support? Yes
  - OTP Support? No
  - PAC Support? On Request
  - USB Form Factor No

### Features

- Support for Windows XP and above
- Support for Microsoft CAPI and PKCS#11 cryptographic applications
- Out of the box integration with TAM ESSO
- Integration with TAM eb through IBM Smart Card User Mapping CDAS adapter
- Windows Logon
- Integration with all major VPN providers
- Encryption key management and storage (full disk, e-mail and documents)
- Digital signature compliant with legal requirements for non repudiation
- Compliance with major national requirements such as USA PIV and European IAS
- Support for OATH one time password through integrated display or USB interface
- Integration with most ISO compliant physical access card body including HID, Mifare and Legic

The breadth of the Protiva solutions cover most enterprise use cases and compliance requirements. Deployed with Tivoli security solutions, they provide the best investment to help enterprise resources optimization.

- **A common platform** for logical and physical access simplifies management and reduces cost
- **Digital signatures** speeds up internal and business to business processes while reducing mailing and storage requirements
- **Support for One Time Password (OTP)** on the same platform using OATH open specification removes the need for proprietary systems