



ARES uPKI Crypto Server

資料加解密伺服器

堅固資料磐石，免於一夕瓦解

Rock solid data integrity, prevents breakdown overnight

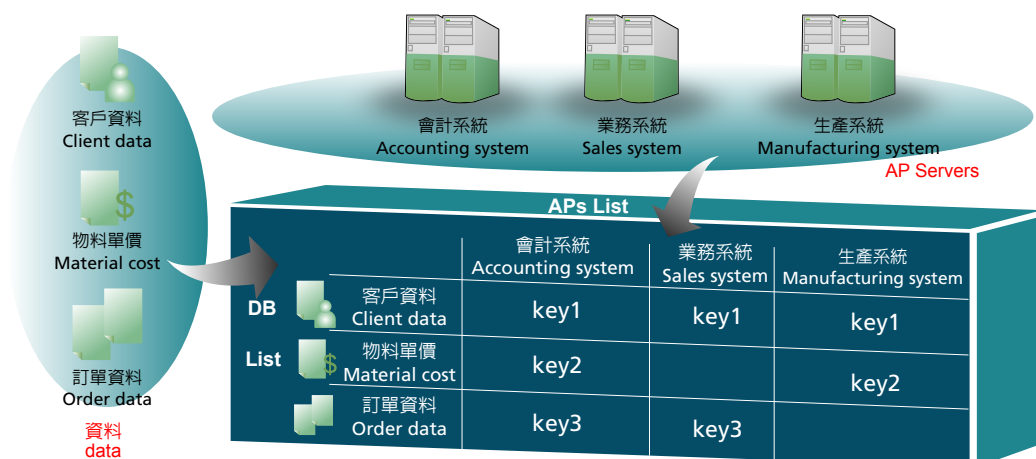
八成的資安問題是由內部人員所產生，因此透過資料加密來解決此問題，是所有資安長的共識，資料加密可確保：

- 保護企業機密資產，包括薪資資料、潛在客戶名單、信用卡資料、訂單資料...等。
- 安全地傳遞資料。
- 掌握所有資源分配，監控管理存取控制及用戶授權，包括個人授權管理、應用系統授權管理、存取Log紀錄...等。
- 利用安全的加解密方法來備份資料的隱密性，如對稱式加密、非對稱式加密、Key的安全管理、加解密之效率...等。

Over 80% of informational security issues arise from within internal employees. Therefore, relieving this issue through data encryption is the common view of all informational security personnel. Data encryption ensures:

- Protect corporate confidential properties, including payroll information, potential client data, credit card data, order data...etc
- Securely transfer data
- Data management of all resource allocation, monitor and manage access control, and user authorization as the main focus including personal authorization management, application system authorization management, access log records...etc
- Utilization of secure encryption methods to backup data for privacy, such as symmetric encryption, Asymmetric encryption, Key management, efficient en/decryption, etc.

系統架構System structure



產品特色

• 金鑰Key的保全

使用硬體加密模組(HSM)，通過FIPS 140-2 安全認證，將加密金鑰儲存於硬體密碼模組內，並具防止盜取資料之金鑰自動銷毀功能。

• 彈性的授權機制及支援多種資料庫、程式語言與作業平台

建立完整應用系統與Key的Matrix授權機制，支援多應用系統使用同一把Key，或不同應用系統使用不同把Key。

• 加密效率

使用硬體加密，提高加密效率。

• 多元化加解密機制

支援對稱、非對稱之演算法及金鑰更新。

• 簡易使用系統支援文件及資料加解密

可加密資料，亦可支援文件加密。

• 稽核報表

提供安控單位稽核、查詢及追蹤使用。

Product features

• lifetime management of encryption keys

Using hardware security module (HSM) and with FIPS 140-2 security standards, storing the encryption key in the hardware security module comprising a tamper resistant secure module to prevents theft of data.

• Flexible authorization mechanism and compatibility with various databases, program languages and operating systems.

Construction of complete application and key matrix authorization mechanism; Provide one to many, many to one, many to many encryption key mapping capabilities between different applications.

• Encryption efficiency

Hardware encryption, increasing encryption efficiency.

• Diverse crypto mechanism

Support symmetric/Asymmetric en/decryption and key renew mechanism..

• Easy-to-use system supports document and data en/decryption

Applies encryption to data, supports encryption of documents as well.

• Auditing report

Provide auditing report for security audit officer.



104台北市中山北路二段111號3樓(總公司)
3rd Fl., 111 Sec. 2, Zhong Shan N. Rd., Taipei, Taiwan. (HQ)
台北、新竹、台中、高雄、上海、蘇州、廣州
Taipei .Hsinchu .Taichung .Kaosiung .Shanghai .Suzhou .Guanzhou
TEL : 886-2-25221351 FAX : 886-2-25601735
E-mail: pki@ares.com.tw
For more information, please visit www.ares.com.tw/upki

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