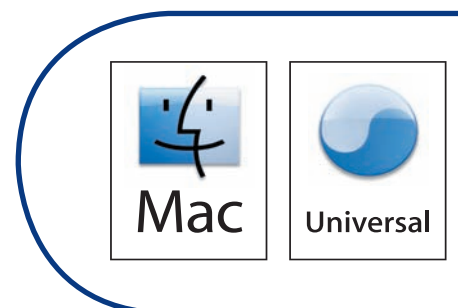


Apple turns to CRYPTOCard to Secure VPN Access.

To secure VPN access for thousands of employees, Apple has adopted CRYPTOCard's two-factor authentication solution, CRYPTO-Shield. CRYPTO-Shield for Mac OS X (Universal Binary) is the only strong authentication solution built specifically to secure the OS X environment.



The Need for Strong Authentication

Apple ignited the personal computer revolution in the 1970s with the Apple II and reinvented the personal computer in the 1980s with the Macintosh. Today, Apple continues to lead the industry in innovation with its award-winning computers and OS X operating system.

Apple has always been concerned about information security, and Mac OS X delivers the highest level of security through the adoption of industry standards, open software development and wise architectural decisions.

When it came to choosing a supplier of two-factor authentication systems to ensure secure remote access for Apple's thousands of remote users, Apple turned to CRYPTOCard.

CRYPTOCard's Mac OS X Solution

Unlike Apple's previous solution, CRYPTOCard's CRYPTO-Shield runs natively on Mac OS X, providing a stable security system on a stable operating environment. It easily integrates with Apple VPN, providing secure remote access for users anywhere in the world.

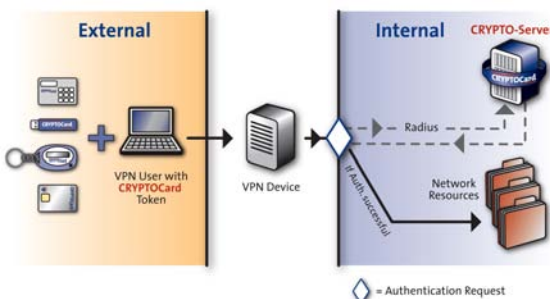
Apple chose to issue to its users CRYPTOCard's KT-1 key chain tokens, known for their portability and durability. Apple's previous supplier provided tokens with a limited life span, expiring after several years. With the KT-1, Apple employees enjoy the benefits of a token that

never expires and has user-replaceable batteries, and Apple was able to save significant dollars by not having to re-purchase and redeploy thousands of tokens.

During the replacement period, the CRYPTOCard solution was able to support both unexpired tokens from the previous vendor, along with new tokens from CRYPTOCard. Apple only had to replace the previous vendor's tokens when they expired, further increasing the savings realized by switching to the CRYPTOCard solution.

The Result

Apple began replacing expired tokens with CRYPTOCard tokens in 2005, achieving cost-savings and improved ease-of-use, as well as gaining a solution that runs natively on the secure OS X environment.



Case in Point

The Apple Solution

- Apple chooses CRYPTOCard as sole supplier of 2FA
- Substantially greater TCO
- Native support for OS X
- Provides Apple with ability to take the solution to the

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