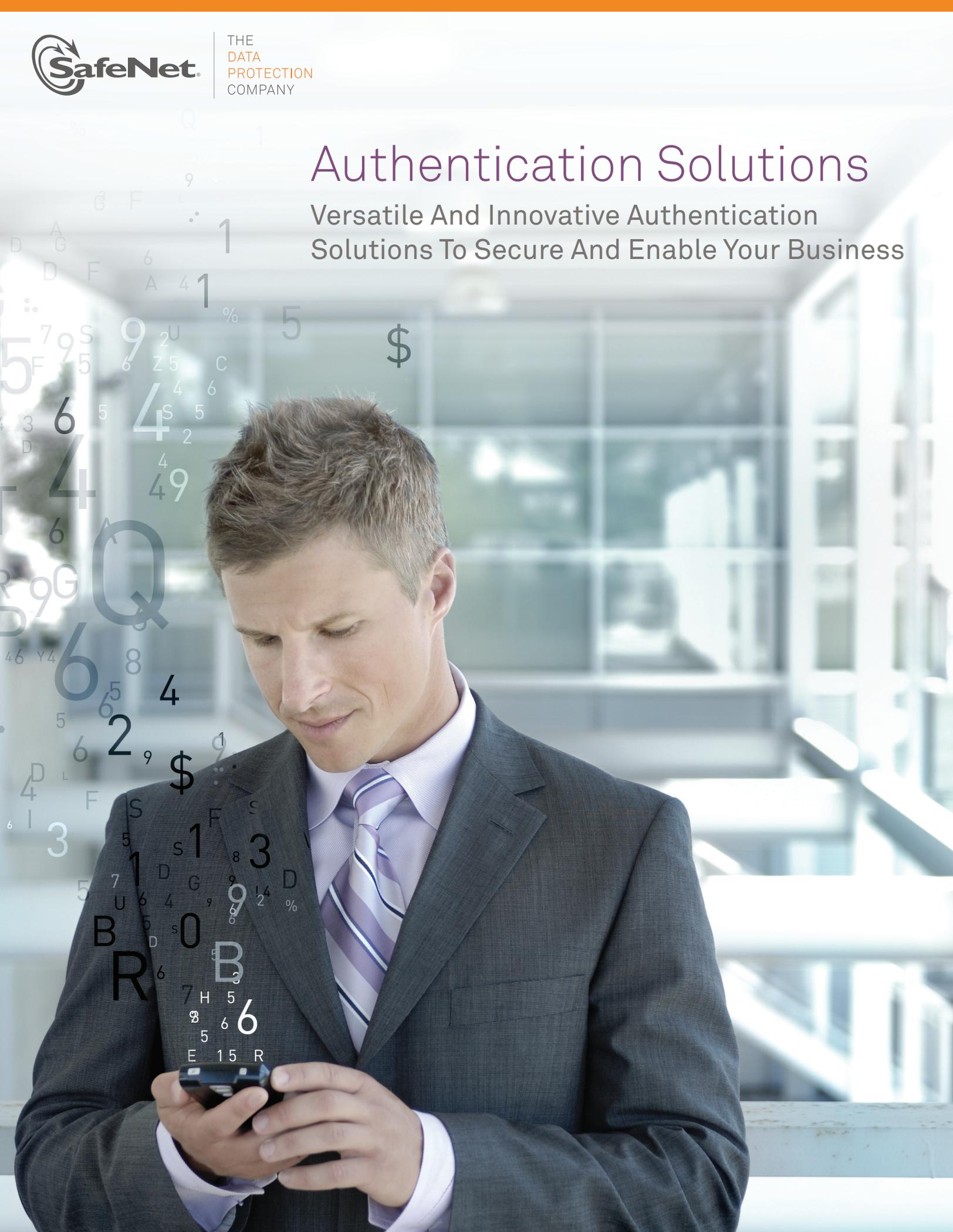




THE  
DATA  
PROTECTION  
COMPANY

# Authentication Solutions

Versatile And Innovative Authentication  
Solutions To Secure And Enable Your Business



# SafeNet Strong Authentication and Transaction Verification Solutions

## The Upward Spiral of Cybercrime

As more and more daily business practices are conducted online, organizations are faced with the increased challenge of ensuring that only authorized users carry out transactions and access their most sensitive online resources.

- Businesses are tasked with protecting access to a proliferation of network and web-based applications amid a rapidly changing security landscape where employees have numerous credentials and use an increasing range of mobile and portable devices to access sensitive data and systems.
- Companies that carry out online business and transactions with customers and partners need to offer secure access to sensitive online resources and transaction security, but face an escalating spiral of cybercrime, which threatens to undermine their fundamental ability to operate effectively and efficiently.

Faced with this increasingly complex security setting, organizations need to ensure they have the security mechanisms and management tools in place that will allow them to ensure secure authorized entry to their systems, gain visibility into the end-point devices used to access these systems and validate the integrity of online transactions.

## Maintaining Security Controls in the Face of Growing Complexity

SafeNet, recognizing the growing complexity of maintaining security controls in this diverse landscape, offers organizations integrated product suites for ensuring authorized access and managing all multi-factor authentication operations for employees who need to securely access on-premise and cloud-based applications and for customers and partners who do business online.

SafeNet's award-winning solutions provide an extensible comprehensive foundation for securing an organization's strong authentication and transaction verification needs – today and tomorrow.

## One Server – Multiple Solutions

SafeNet strong authentication solutions create a future ready security foundation that is based on highly innovative technology, streamlined management platforms, the broadest range of authentication methods and form factors.

Moreover, SafeNet's innovative implementation of federation technology allows organizations to leverage the same SafeNet server that manages their entire access control environment for securing access to cloud applications as well.

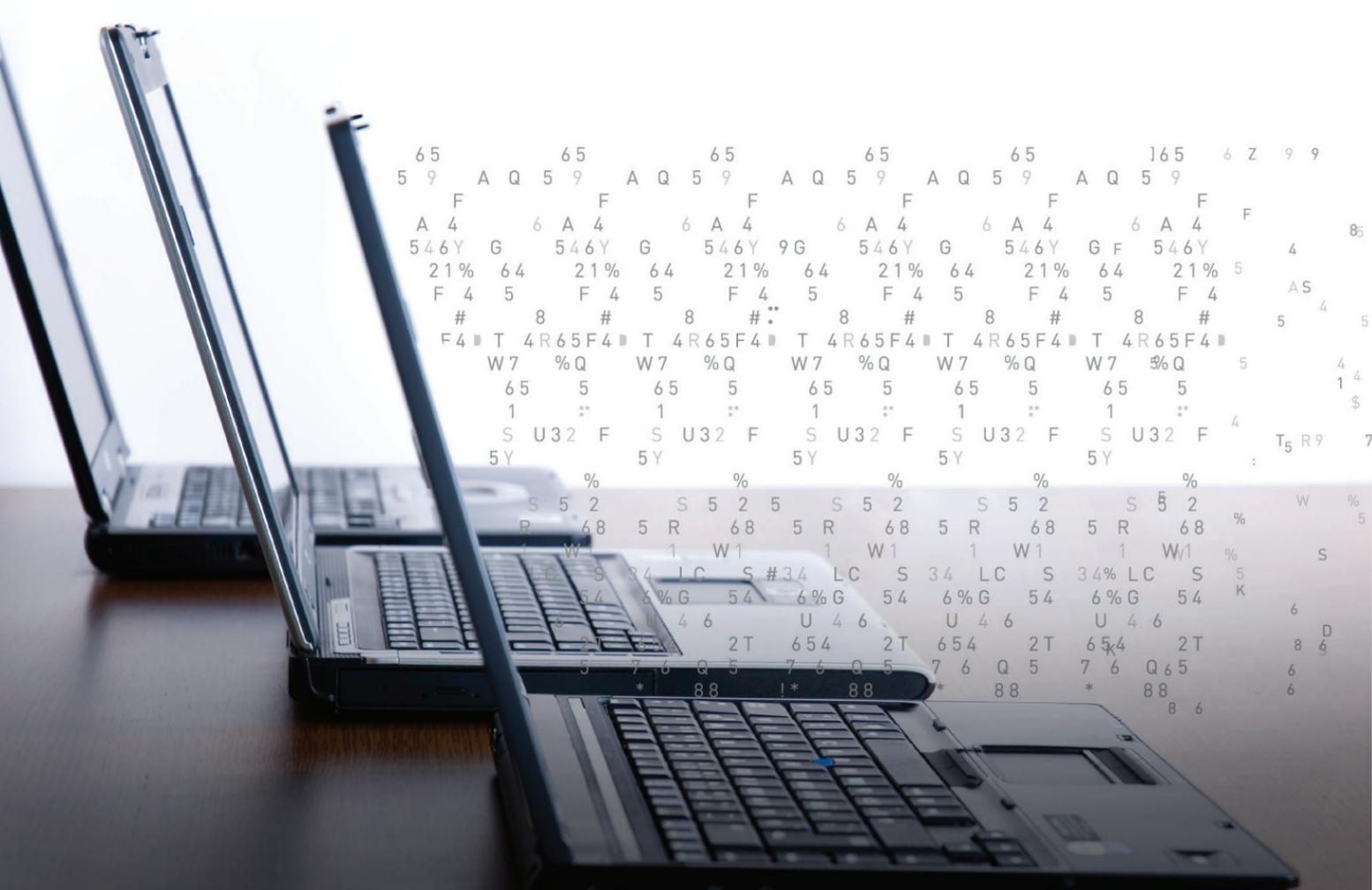
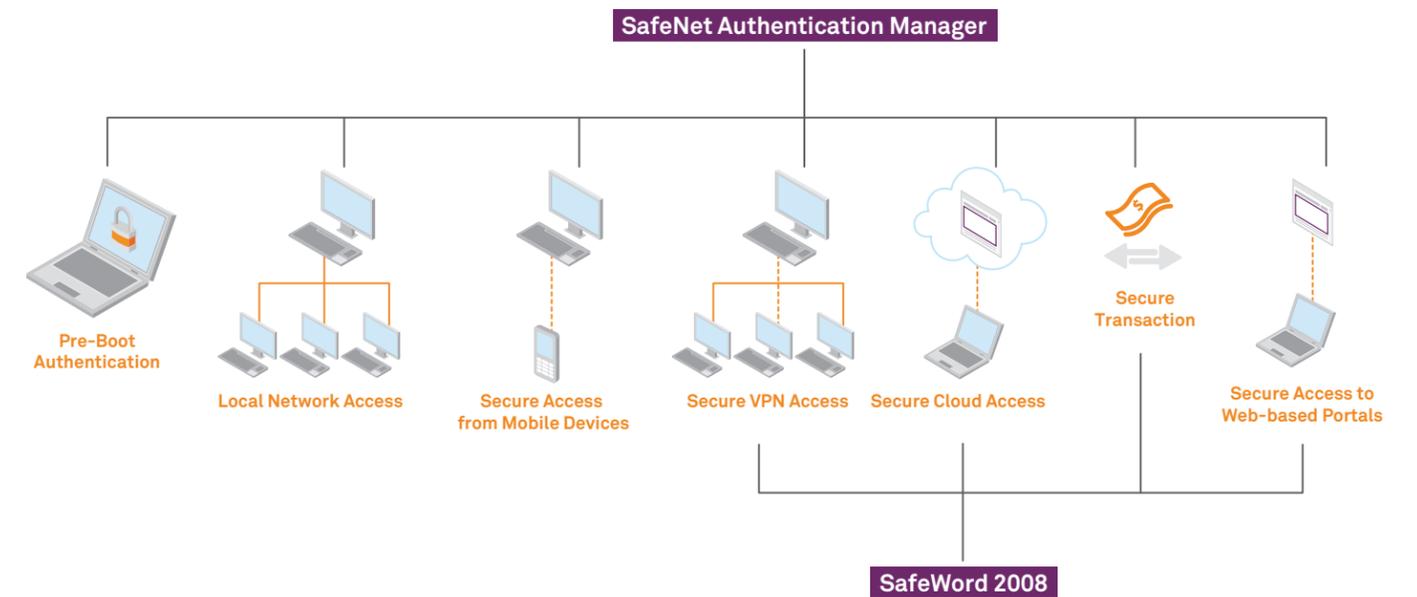
**This comprehensive approach means organizations can proactively manage their strong authentication and transaction verification needs while gaining significant benefits:**

**Lower TCO:** Organizations need only deploy one management server that serves as a single infrastructure for a range of secure access solutions for on-premise and cloud applications. This approach enables IT departments to seamlessly extend access security to as many applications as they need as user needs and threat landscapes change, without having to invest in additional software or hardware.

**Greater flexibility and scalability:** Support for a wide range of authentication and transaction verification methods and form factors creates a versatile authentication solution that allows organizations to use a single platform to address numerous user needs and risk levels by deploying different authentication methods – or adding them - side by side, as required.

**Pro-active security preparedness:** SafeNet's extensible approach together with ongoing investment in technological innovation, provides organizations the assurance they need that the solution they are deploying meets their present needs, while providing them a solid basis to meet the challenges of a rapidly evolving security landscape.

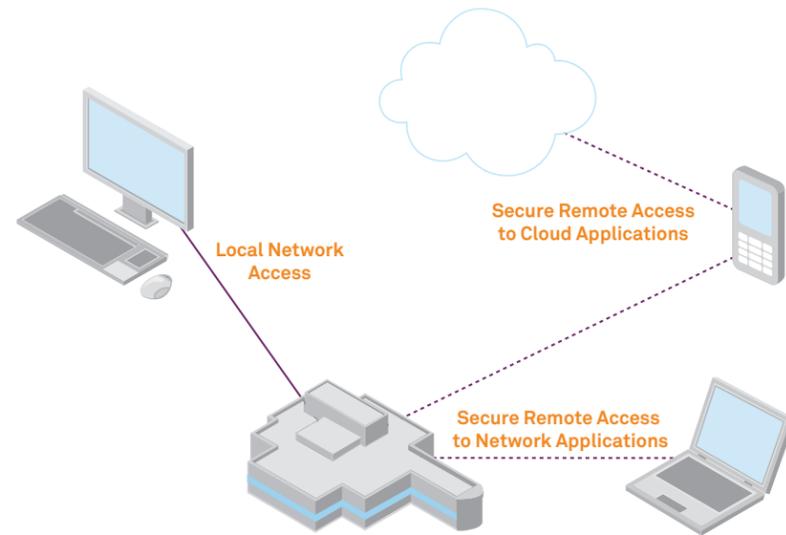
## Solution Map



# The Path to Proactive Security and Comprehensive Controls

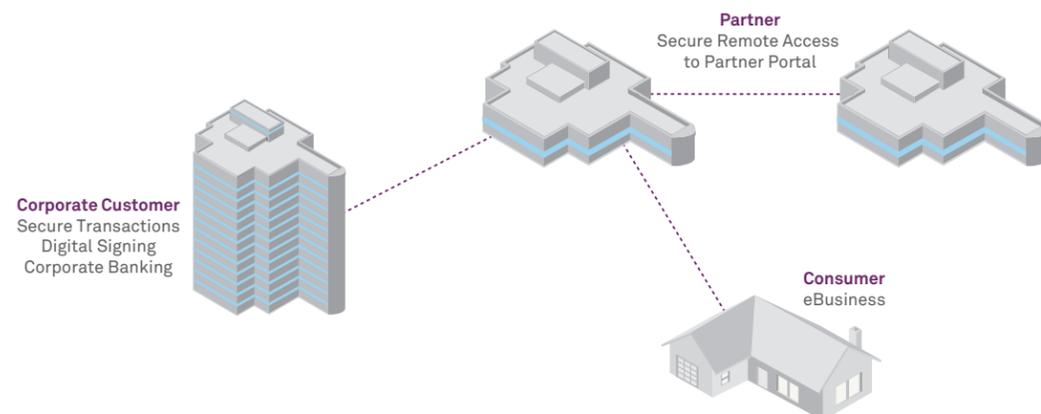
## Integrated Approach for Secure Employee Access

In today's evolving business environment employees use tablets, smart phones and other mobile devices to access a broad range of applications. Organizations therefore, face the challenge of keeping track of an increasing range of end-point devices and managing controls for mobile and on-premise users who access a multitude of corporate resources: web portals, cloud applications, network applications, email and CRM platforms.



## Mitigating the Risks of Identity Fraud and Data Loss for Online Customers and Partners

Alongside the need to provide secure access controls for employees, organizations face a different set of risks when it comes to opening up their data centers and online portals to customers and business partners. Here, the challenge is dealing with the rapid escalation of cybercrime, in the form of phishing and malware, which expose businesses to financial losses due to data breaches and online fraud, and results in lower customer confidence in doing business online.



SafeNet offers dedicated solutions to enterprises and smaller businesses, allowing them to address the challenge of achieving secure access for employees and securing online business with customers.

### A Single Infrastructure for Secure Remote Access, Local Access and Secure Cloud Access

SafeNet's enterprise solutions enable organizations to meet security needs and plan for contingencies without having to change their underlying infrastructure. Offering strong authentication for secure remote and network access for employees, as well as secure remote access, transaction verification and digital signing for customers and partners, SafeNet's enterprise solutions allow you to secure access to applications residing in your data center and the cloud.

SafeNet's enterprise solutions consist of the SafeNet Authentication Manager, a management platform that provides organizations with an integrated backend for managing their strong authentication and transaction verification needs.

With support for identity federation and single sign-on, SafeNet Authentication Manager allows organizations to centrally control secure access to on-premise and cloud applications, while considerably improving usability and convenience for end users.

Supporting SafeNet's entire range of One-Time Password (OTP), software, OOB and certificate-based (PKI) authenticators, the SafeNet Authentication Manager creates a flexible infrastructure designed to evolve with a business' present and future needs.

## Key Benefits

### Single Server – Multiple Solutions

- Lower TCO
- Easier IT deployment
- Multiple form factors: software, hardware
- Multiple authentication methods: certificatebased, OTP, transaction signing, OOB
- Secure access to corporate resources from iOS Mobile Devices

### One Server for On-premise and Cloud Access

- Identity federation, automatic provisioning to SaaS applications, and single-sign-on is embedded into SafeNet authentication servers, so no need to deploy additional servers or software in order to extend strong authentication to the cloud

### Dedicated solutions for out of the box OTP deployment

- Integrate easily with all backend systems
- Easy installation
- No dedicated hardware needed

## Off-the Shelf Package for Secure Remote Access

SafeNet's simple to install and easy to use OTP authentication solution, is an affordable package designed for fast and straightforward out-of-the-box deployment. Accommodating the specific needs of small and medium businesses, SafeNet OTP solutions enable organizations to rapidly set up strong authentication for secure remote network access to SaaS applications, VPNs and web-based applications in a matter of minutes.

SafeNet OTP authentication packages are ideal for Windows environments and offer seamless integration with Microsoft Active Directory. They support seamless secure access to Cloud applications and complement remote access and thin client solutions from all major vendors, including: Cisco, Check Point, Nortel, Juniper and Citrix.

SafeNet OTP packages support all SafeNet's OTP authenticators, including the MobilePASS software OTP authentication solution which is available for all mobile devices and MobilePASS OOB, which delivers one-time passcodes via SMS or email to mobile devices.

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## OTP Authenticators

### eToken PASS

 eToken PASS is a One-Time-Password (OTP) authenticator that offers two-factor strong authentication in detached mode. eToken PASS is available in both time and event based versions.

### Gold

 GOLD is an event-based One-Time-Password (OTP) strong authentication device that supports challenge response functionality which offers an additional layer of security by generating the OTP only after users enter a PIN code on the token keypad.

### SafeNet eToken 3500

 SafeNet eToken 3500 is an innovative, highly usable transaction signing and strong authentication device. It combines secure transaction signing and one-time password (OTP) strong authentication, enabling financial services organizations to significantly reduce the risk of online financial fraud.

### SafeNet eToken 3400

 SafeNet eToken 3400 is an OTP strong authentication card that ensures that all remote access to corporate resources and applications is secure. SafeNet eToken 3400 generates a dynamic one-time passcode which is keyed into the login screen instead of a password.

## Certificate-Based Authenticators (PKI)

### SafeNet eToken 5100

 SafeNet eToken 5100 is a portable two-factor USB authenticator that utilizes certificate-based technology to generate and store credentials-such as private keys, passwords, and digital certificates inside the protected environment of the smart card chip.

### SafeNet eToken 5200

 SafeNet eToken 5200 is a clientless, zero footprint, certificate-based USB authentication solution that provides users with secure access to Web-based applications and portals, SSL VPNs, and cloud applications from any computer with a USB port.

### SafeNet eToken 4100

 SafeNet eToken 4100 is a certificate-based authentication smart card. The token offers highly secured strong two-factor authentication, ensuring authorized user access to sensitive corporate networks and online business applications, as well as support for advanced solutions such as digital signature and pre-boot authentication.

### eToken PRO

 eToken PRO is a smartcard USB authenticator that provides two-factor strong authentication, advanced security applications, digital signatures and cost-effective password management.

### eToken PRO Anywhere

 eToken PRO Anywhere is a clientless smartcard USB authenticator that leaves zero footprint on end-user computers. It combines the strength of certificate-based strong two-factor authentication with the plug-and-play simplicity and mobility of OTP.

### iKey 2032

 iKey 2032 is a smartcard USB authenticator that offers two-factor strong authentication, advanced security applications and digital signatures.

### iKey 4000

 iKey 4000 is a smartcard USB authenticator that offers multi-factor authentication with optional match-on-card biometric functionality.

### eToken PRO Smartcard

 eToken PRO is a credit card form factor authenticator that supports password management, digital signatures, and advanced security applications.

### SafeNet Smartcard 400

 SafeNet Smartcard 400 is a credit card form factor authenticator that supports certificate-based multi-factor authentication and advanced security applications.

## Hybrid Authenticators

### eToken NG-OTP

 eToken NG-OTP is a hybrid USB authenticator that supports both One-Time-Password (OTP) and certificate-based authentication.

### eToken NG-FLASH

 eToken NG-FLASH is a certificate-based strong authentication USB device with on-board encrypted storage. eToken NG-FLASH is available in various sizes ranging from 2GB to 16 GB.

### eToken NG-FLASH Anywhere

 eToken NG-FLASH Anywhere is a clientless certificate-based strong authentication USB authenticator with on-board encrypted storage. eToken NG-FLASH Anywhere is available in various sizes ranging from 2GB to 16 GB.

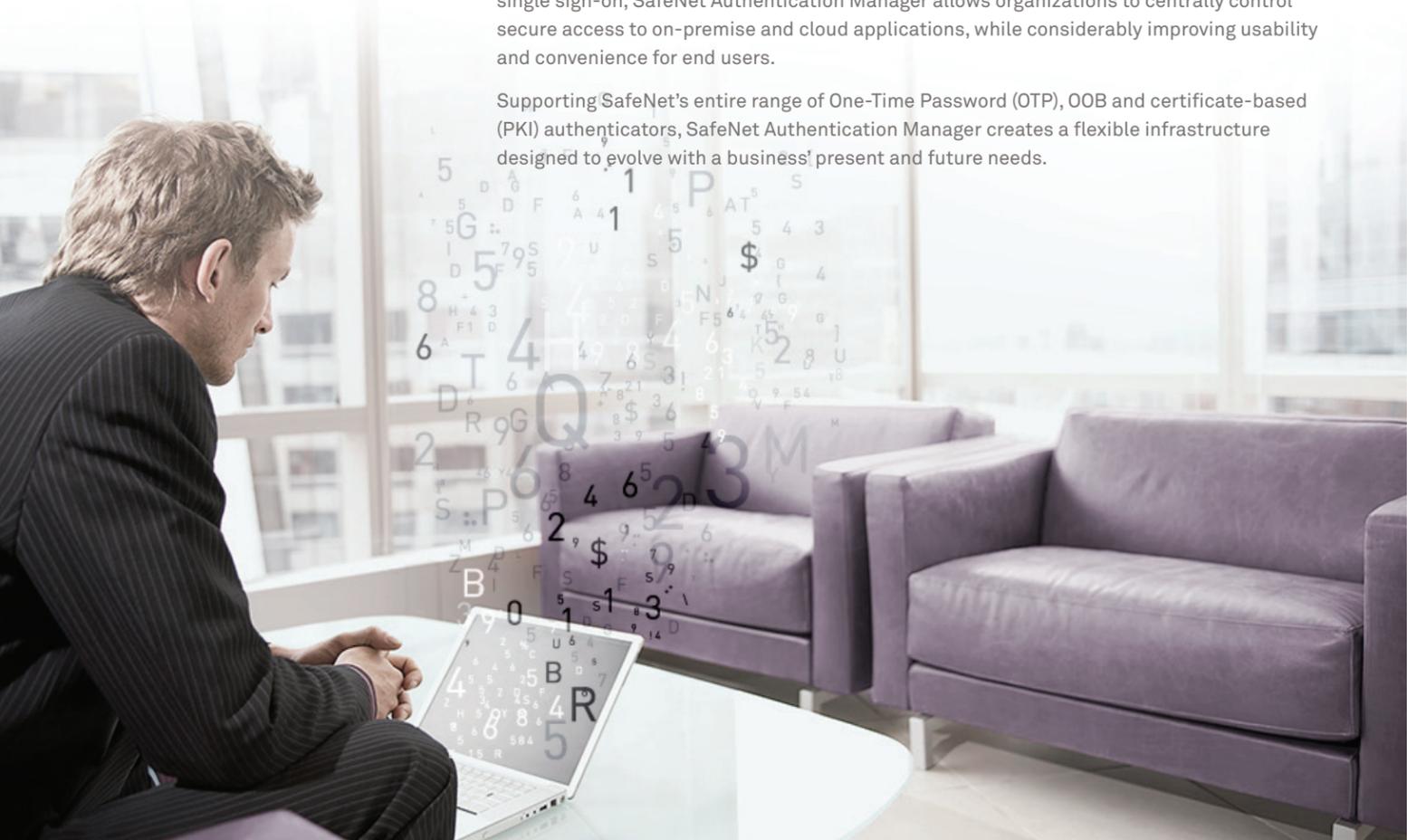
## Software Authenticators

### MobilePASS

 MobilePASS is a software-based One-Time-Password (OTP) authenticator that combines the security of two-factor strong authentication with the convenience of one-time passwords generated on personal mobile devices or PCs. MobilePASS also supports OOB (out-of-band) delivery of passcodes via SMS and email.

### eToken Virtual

 eToken Virtual is a certificate-based two-factor authentication solution which provides full PKI functionality such as secure remote access, network access and digital signing in a software-based solution.





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