Swivel Secure and Palo Alto

Authenticating to Palo Alto using AuthControl Sentry®

Abstract

This datasheet describes how utilising a combination of the Palo Alto Networks next generation firewall and Swivel Secure's Multi-factor authentication solution, AuthControl Sentry®, can protect an organisation's network from unauthorised access, while ensuring its users continue to work efficiently.

Introduction:

Palo Alto next generation firewalls with their prevention focused architecture integrates seamlessly with AuthControl Sentry®. This datasheet describes how exploiting the authentication capabilities of AuthControl Sentry®, such as the wide range of authentication factors and the risk-based authentication functionality, can provide the flexibility and security your organisation needs to achieve maximum adoption throughout.
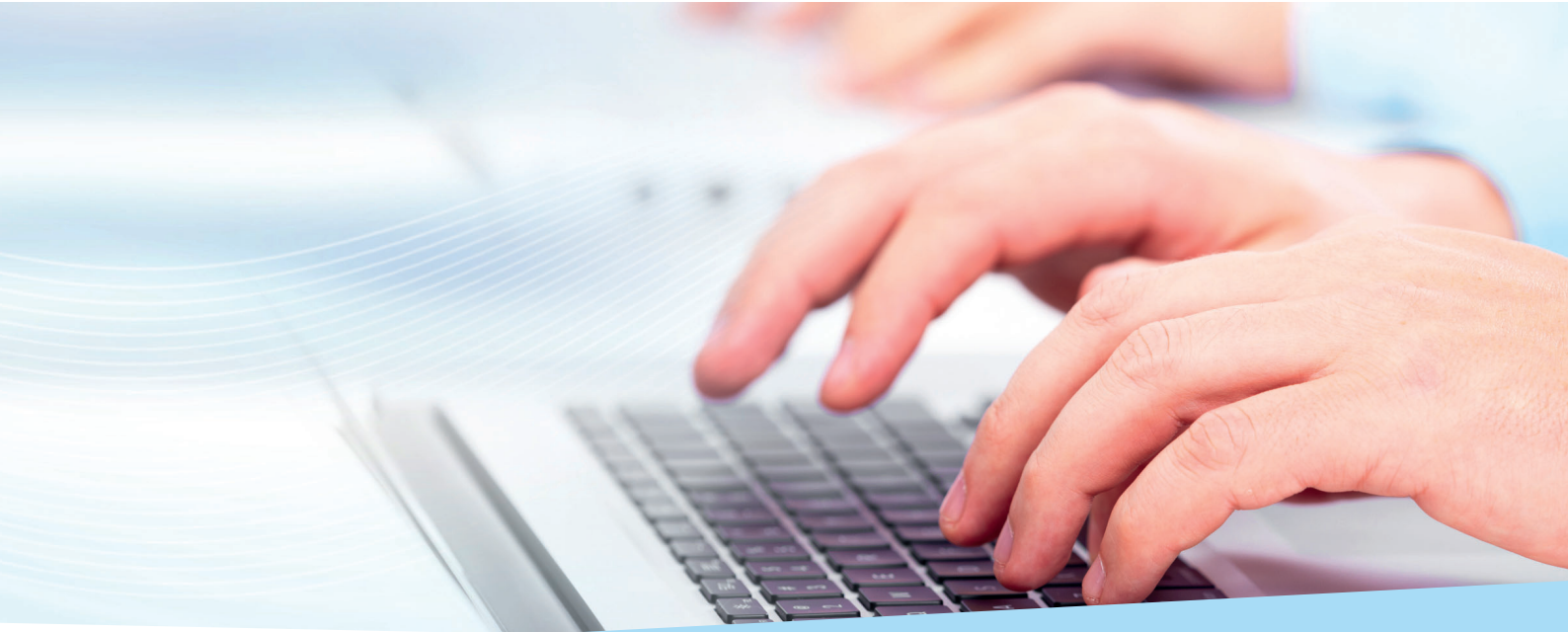
Risk-based authentication (RBA)

Risk-based authentication (RBA) is a dynamic feature of AuthControl Sentry®, designed to automatically request the appropriate level of authentication to access applications. Based on parameters set in the policy engine, RBA will request the appropriate level of authentication to access applications based on the user, their device and the application.

RBA enables you to set the appropriate risk required for an individual or group to access particular applications. Using a predefined set of parameters it adapts the type of authentication required according to the user's circumstance.

Parameters include:
– Group membership
– Application being accessed
– IP address
– Last authentication
– X509 Cert
– Device
– Physical location (GeoIP)
– Time / date / day

Patented PINsafe® technology

PINsafe® is patented technology unique to AuthControl Sentry®. PINsafe® combines the use of registered PINs with random 10-digit security strings that are delivered through a range of authentication factors including the mobile app and the TURing image authenticator.

Your PIN	1	3		7		0
Encrypted security No.	5 7 2 1 6 9 4 3 8 0					
Your one time code	4	2		4		0

Maximum adoption

Swivel Secure understands the challenges administrators face in deploying multi-factor authentication within a large organisation. With a comprehensive range of authentication factors, AuthControl Sentry® can help deliver maximum adoption throughout the organisation. Authentication factors include:

- Image authentication: TURing, PINpad®, and PICpad
- Fingerprint
- Mobile app: OTC, PUSH, and OATH
- Voice
- Hardware token

Palo Alto with AuthControl Sentry® provides maximum security without comprimsing user efficiency.

Palo Alto Networks and Swivel Secure use recognised industry standard protocols to provide a tight integration, allowing users to login using either strong authentication, two factor authentication (2FA) or multi-factor authentication (MFA). AuthControl Sentry® offers robust high availability to ensure the authentication servers and a range of delivery methods provide instant provisioning and deprovisioning.

With a variety of authentication mechanisms, the Palo Alto Networks with AuthControl Sentry® is suitable for wide a range of deployments.

Example of integration with AuthControl Sentry® multi-factor authentication.

This diagram illustrates how AuthControl Sentry® (with a range of factors) can integrate with Palo Alto firewall to authenticate users with Active Directory through single or dual channel.
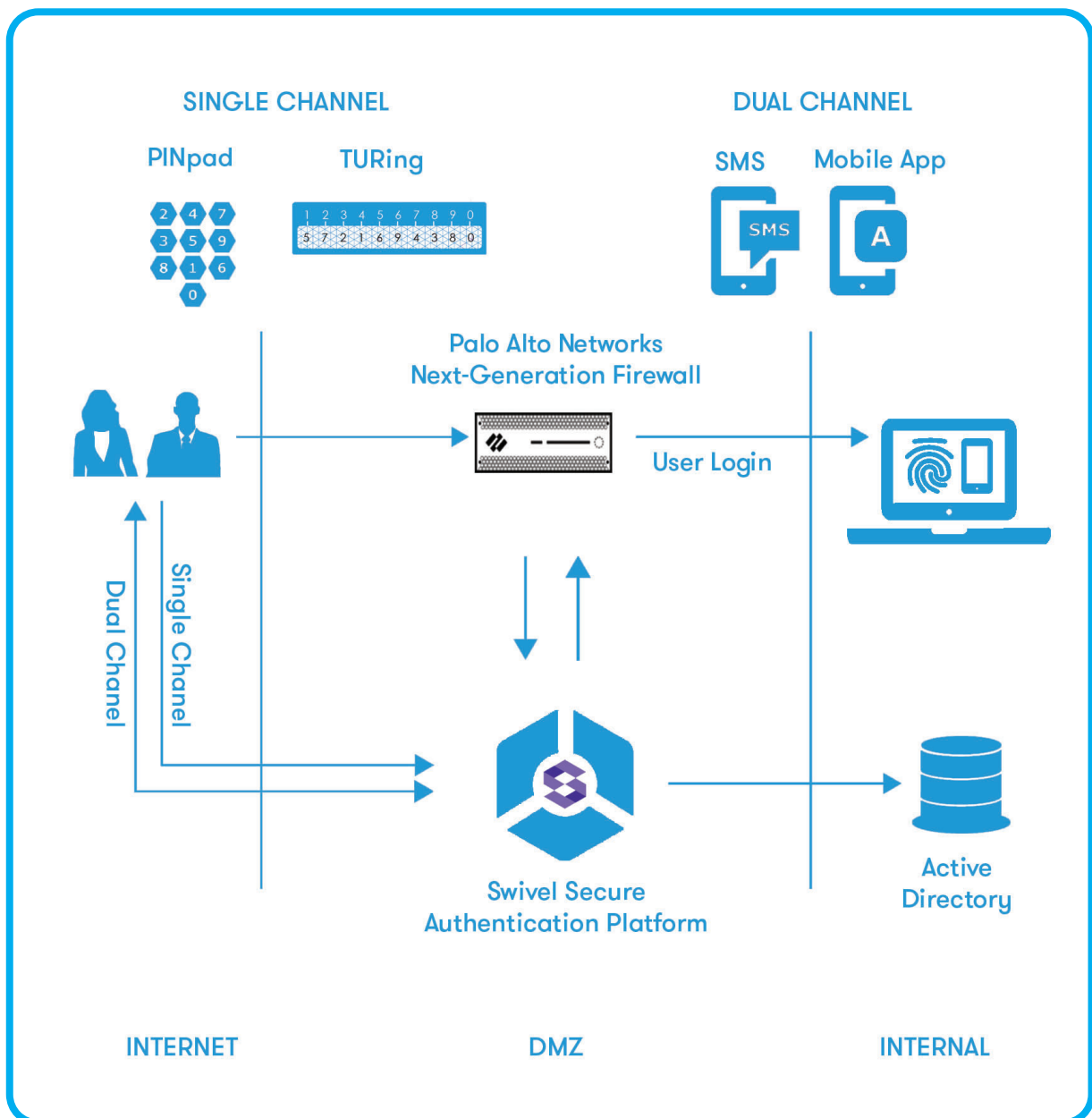
Palo Alto Networks

Palo Alto Networks® (NYSE: PANW) is the leading next-generation network security company. Its innovative platform allows enterprises, service providers, and government entities to secure their networks by safely enabling the increasingly complex and rapidly growing number of applications running on their networks and by providing prevention against cyberthreats. The core of the Palo Alto Networks platform is its Next-Generation Firewall, which delivers application, user, and content visibility and control integrated within the firewall through its proprietary hardware and software architecture. Palo Alto Networks products and services can address a broad range of network security requirements, from the data center to the network perimeter, as well as the distributed enterprise, which includes branch offices and a growing number of mobile devices. Palo Alto Networks products are used by more than 12,500 customers in over 100 countries.

www.paloaltonetworks.com

AuthControl Sentry® multi-factor authentication.

Swivel Secure is an industry leader in authentication solutions. Founded in 2001, Swivel Secure protects thousands of organizations in over 52 countries.

The award winning AuthControl Sentry® delivers multi-factor authentication, combined with risk-based authentication and single sign-on for securely authenticating all applications, both cloud and on-premise.

Our security software is trusted by some of the world's largest enterprises including major airlines, global logistics, mobile telecoms, governments, retailing, top law practices and banking and finance companies.

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