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Secure Access to Virtual Environments and Private Clouds

The Move to Virtualized Infrastructures and Private Clouds

Organizations have been turning to virtualized desktop infrastructure (VDI) and private clouds for greater security, business agility, and cost efficiencies.

However, to protect the integrity and confidentiality of data residing in their virtualized environment, whether streamed from the data center or accessed through a private cloud gateway, organizations still need to ensure that users are who they claim to be when accessing these solutions and infrastructure.

Obstacles to Securing Virtual Environments

Organizations wishing to secure access to their virtualized environments are confronted with several key challenges, namely:

- **Endpoint diversity—**Thin clients, zero clients, servers, and mobile BYOD devices that double for personal and corporate use all require a device-agnostic authentication strategy.
- **Password vulnerability—**Organizations gating their virtualized environments solely with a password jeopardize their information assets, and expose them to threat vectors such as phishing, social engineering, brute- force attacks, generic malware, password guessing, and credential theft.
- **Ubiquitous access—**While some organizations deploy their virtualized infrastructure within the enterprise firewall, others offer access to consultants or partners situated outside the corporate firewall (in the DMZ). This makes strong authentication crucial, as well as the ability to provision secure access remotely.
- **Compliance—** To pass security audits and comply with regional, industry, and corporate governance regulations, enterprises need to demonstrate that they know who is accessing what and when.
- **Budgetary constraints—** To keep within their current budgets, in terms of both hard and soft costs, organizations may waive stronger access controls to their most valuable information assets and resources.

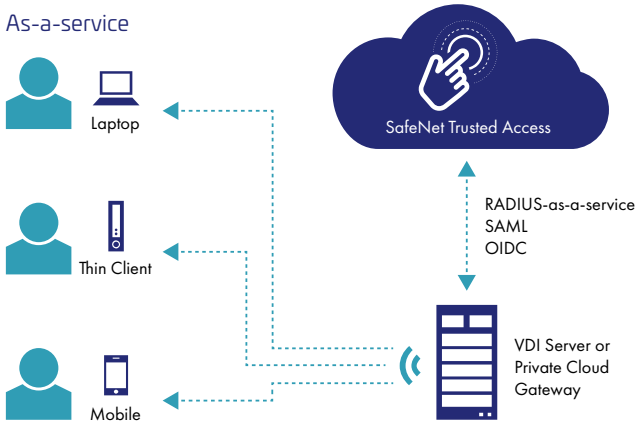
Key Benefits

- Enhanced security
- Frictionless authentication
- Reduced administration overheads
- Simplified compliance

Simple, Strong SafeNet Access Management and Authentication

SafeNet Access Management and Authentication Solutions deliver secure access to virtualized infrastructure:

- **From any device**, including thin clients, zero clients, and BYOD mobile devices
- **To any VDI application**, thanks to out-of-the-box integrations with Citrix, VMware, and AWS for a quick and easy deployment
- **At any assurance level**, via the broadest range of authentication methods



Frictionless Management Strategy

SafeNet Access Management and Authentication solutions reduce IT management overhead and simplify compliance through:

- Zero-touch user and token lifecycle administration, including auto-provisioning, updates, and revocation of permissions and tokens
- A single point of management for defining access policies once and enforcing them throughout your IT ecosystem
- Management by exception, achieved via real-time threshold- and event-based alerts
- A unified audit trail of all access events across onpremises, virtual, and cloud-based resources

Supported Authentication Methods

SafeNet Trusted Access supports a wide range of multi-factor authentication methods such as:

- OTP Push
- OTP App
- OTP Hardware
- Pattern-based authentication
- Out-of-band via email and SMS text messages
- Password
- Kerberos
- PKI credentials
- Google Authenticator
- Passwordless authentication
- Biometric
- Voice
- 3rd party

SafeNet Trusted Access Solution Advantages

- Effective risk management
- Balance convenience and security
- Universal authentication

Management Platform

- SafeNet Trusted Access

About SafeNet Access Management and Authentication Solutions

Thales's industry-leading Access Management and Authentication solutions let enterprises centrally manage and secure access to enterprise IT, web and cloud-based applications. Utilizing policy-based SSO and universal authentication methods, enterprises can effectively prevent breaches, migrate to the cloud securely and simplify regulatory compliance.

To learn more about access management from Thales, visit https://safenet.gemalto.com/access-management/ or join a livedemo webinar at https://www.brighttalk.com/webcast/2037/334449

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.

CYBER SECURITY EXCELLENCE AWARDS ★ WINNER ★ 2019

ISO 27001:2013 CERTIFIED

GDPR Ready

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Americas – Thales eSecurity Inc. 2860 Junction Ave, San Jose, CA 95134 USA • Tel:+1 888 744 4976 or +1 954 888 6200 • Fax:+1 954 888 6211 • E-mail: sales@thalesesec.com
Asia Pacific – Thales Transport & Security (HK) Lt, Unit 4101-3, 41/F, Sunlight Tower, 248 Queen's Road East, Wanchai, Hong Kong • Tel:+852 2815 8633 • Fax:+852 2815 8141 • E-mail: asia.sales@thales-esecurity.com
Europe, Middle East, Africa – Meadow View House, Long Crendon, Aylesbury, Buckinghamshire HP18 9EQ • Tel:+44 (0)1844 201800 • Fax:+44 (0)1844 208550 • E-mail: emea.sales@thales-esecurity.com