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Securing F5 BIG-IP Access Manager with SafeNet Trusted Access

Last updated: December, 2019

Thales & Gemalto: A New Profile

Our team

80,000
employees

Around the world

68
Countries global presence

Revenue*

around
€19bn

A balanced revenue structure

60%
Civil

40%
Defence

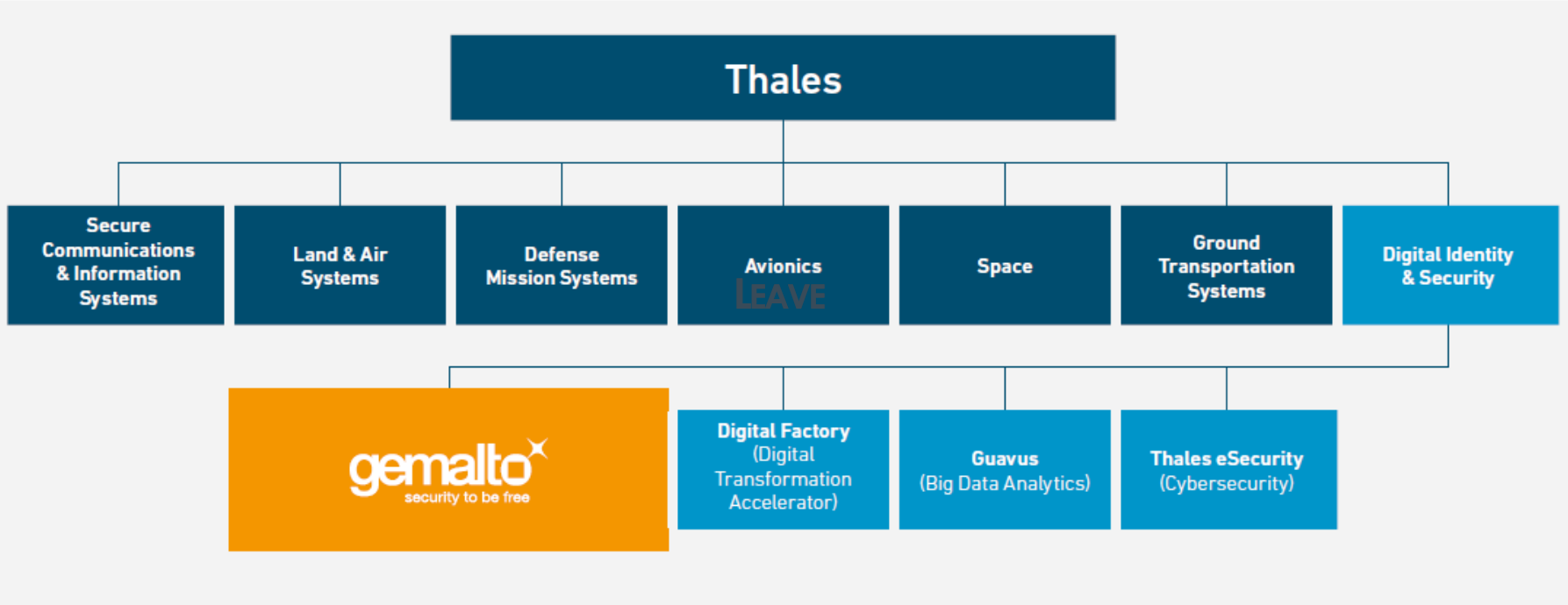*Based on Thales and Gemalto reported 2017 consolidated income statements.

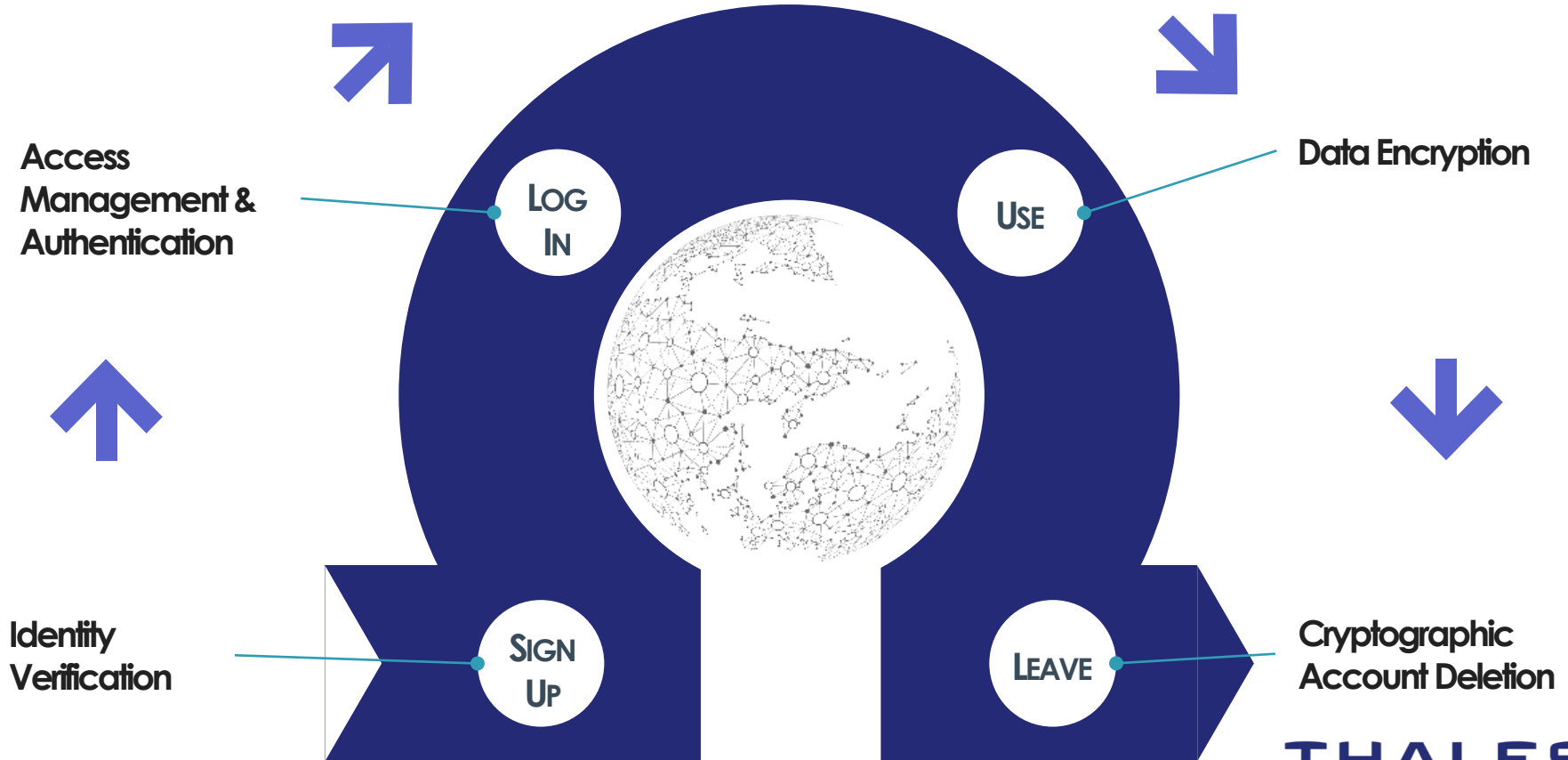*Innovation*

€1bn+
self-funded R&D* 2017

Does not include externally financed R&D.

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Thales Cloud Protection & Licensing

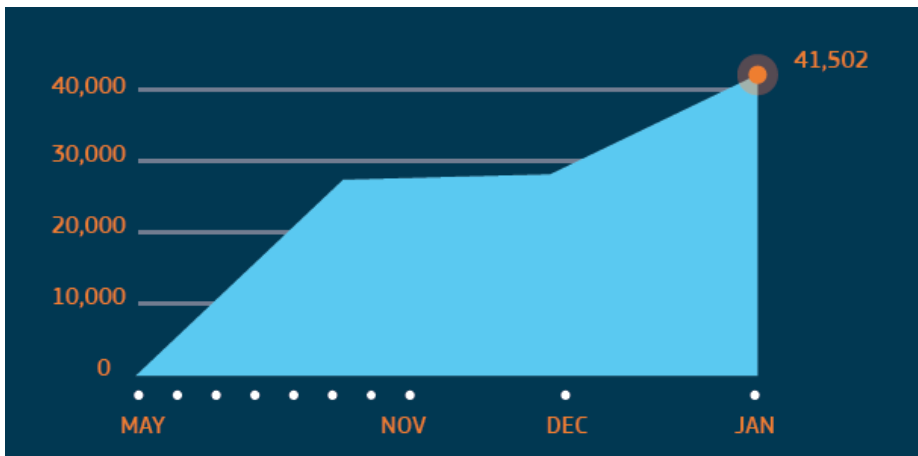**Combining existing digital assets in a dedicated global business unit**

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Protecting the entire digital service cycle

Access Management & Authentication

Data Encryption

Identity Verification

Cryptographic Account Deletion

LOG IN

USE

SIGN UP

LEAVE

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4

Traditional security is no longer sufficient

Breaches are growing year-on-year across all sectors

Annual Cost of Cybercrime by Industry

Since May 2018, the EU has received 41,500 notifications of data breaches

41,502

MAY   NOV   DEC   JAN

(European Commission)

Industry	2017	2018
Banking	16.55	18.37
Utilities	15.11	17.84
Software	14.46	16.04
Automotive	10.70	15.78
Insurance	12.93	15.76
High tech	12.90	14.69
Capital markets	10.56	13.92
Energy	13.21	13.77
US Federal	10.41	13.74
Consumer goods	8.09	11.91
Health	12.86	11.82
Retail	9.04	11.43
Life sciences	5.87	10.91
Communications and media	7.55	9.21
Travel	4.61	8.15
Public sector	6.58	7.91

US$ millions

Legend
2017
2018

Ponemon 2019 Cost of Data Breach Report

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The main causes of cyber threats
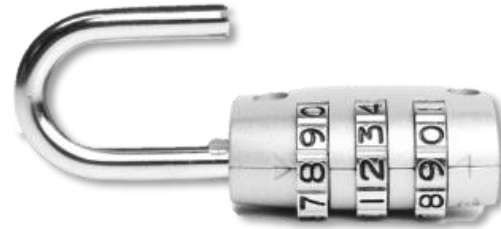
Main cause of attacks

IDENTITY THEFT

69% of breach incidents came from identity theft

Main cause of damages

UNENCRYPTED DATA

95% of breaches involved unencrypted data

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SafeNet Trusted Access

Supporting the cloud and web-based apps you use…

More than 100 Apps and increasing constantly

Bring Your Own Apps

SAML 2.0 generic wizard

and many more…

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SafeNet Trusted Access and F5 BIG-IP

Securing an F5 environment with SafeNet Trusted Access

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BIG-IP Access Manager

F5 BIG-IP® Access Manager® (AM) is a secure, flexible, high-performance solution that provides unified global access to your network, cloud, and applications. With a single management interface, it converges and consolidates remote, mobile, network, virtual desktops, and web access.

SafeNet Trusted Access

SafeNet Trusted Access is an intelligent access management service that allows customers to enforce the perfect balance between user convenience and security for every user and application. By combining SSO, flexible risk-based policies and universal authentication methods, organizations can secure access to all resources, simplify the login experience for users, and effectively manage risk.

TOGETHER **They combine to provide secure access for privileged users to ALL enterprise resources**
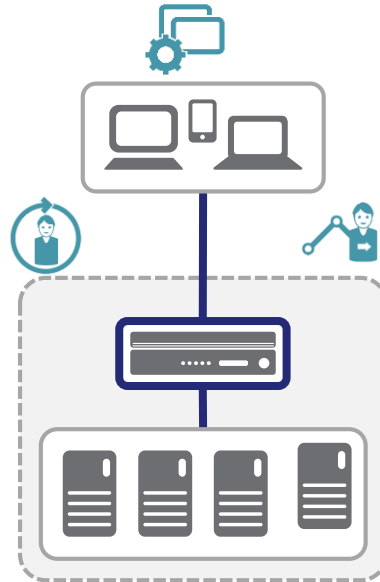
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Protect Identities and Secure Access

Comply with regulations
Ensure you comply with GDPR, DFARS, PCI 3.2 by ensuring the appropriate access controls and MFA are in place

Benefit from cloud efficiencies

- Not need to invest in infrastructure or maintenance
- Get up and running rapidly
- Scale as you grow

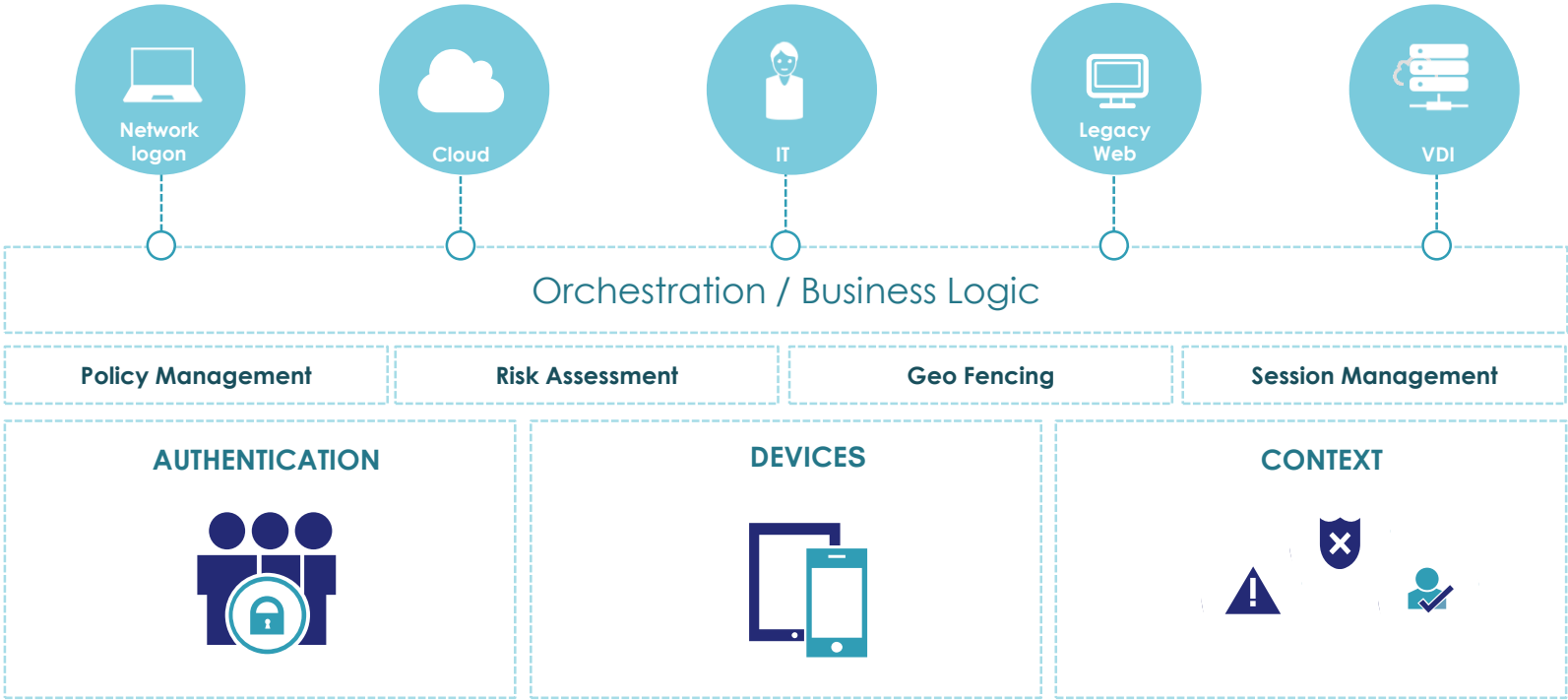**Make it simple for your users**

Reduce security work arounds by providing a secure yet convenient login experience for your users
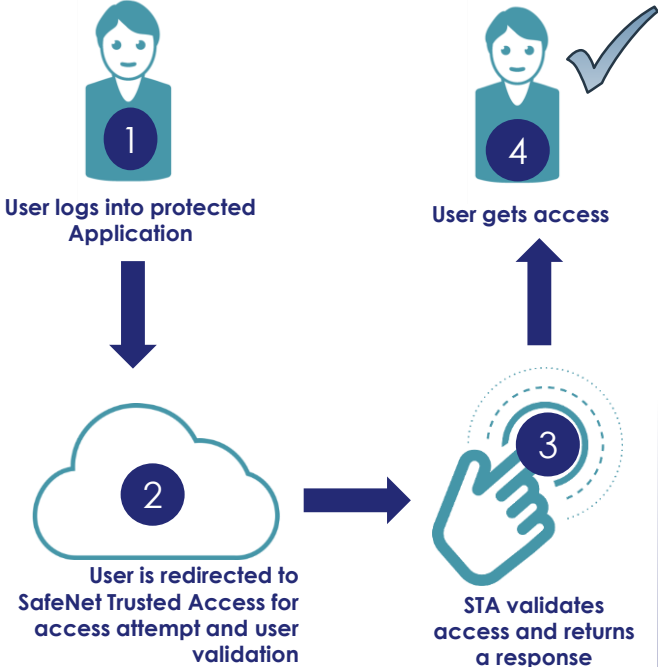
Reduce admin overheads

- Automated workflows for user and token management
- Set up and edit policies in minutes
- Federate new apps with easy to use templates

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SafeNet Trusted Access

Prevent Breaches | Secure Cloud Transformation | Simplify Compliance

Network logon

Cloud

IT

Legacy Web

VDI

Orchestration / Business Logic

| Policy Management | Risk Assessment | Geo Fencing | Session Management |

AUTHENTICATION

DEVICES

CONTEXT

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Streamlined for Administrators and End Users

1 User logs into protected Application

2 User is redirected to SafeNet Trusted Access for access attempt and user validation

3 STA validates access and returns a response

4 User gets access

Supports Multiple Authentication Methods

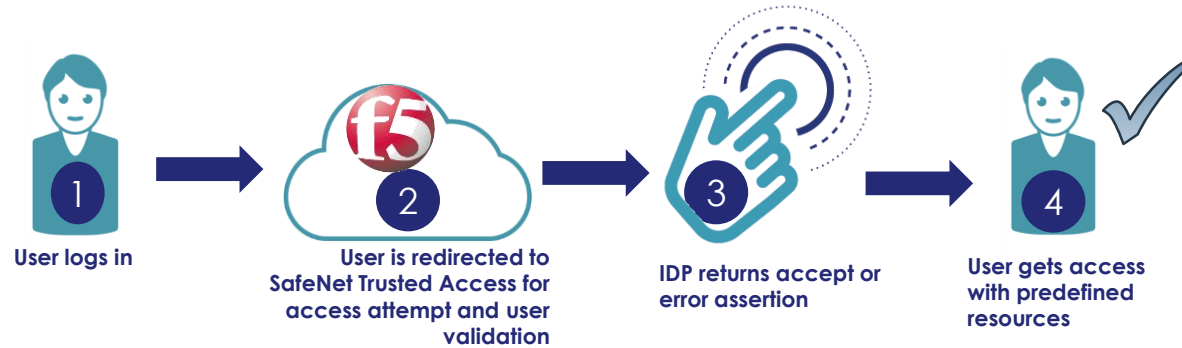OTP Push • Password • Kerberos • Windows Hello • FIDO • 3rd Party

Provides universal authentication across multiple integration methods:

- **RADIUS**

- **SAML***

- **Microsoft ADFS**

- **API**

*Additional Access Controls and SMART SSO

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A seamless deployment & integration

1 User logs in

2 User is redirected to SafeNet Trusted Access for access attempt and user validation

3 IDP returns accept or error assertion

4 User gets access with predefined resources

CyberArk Solutions can be configured to support Multi-Factor Authentication in several modes:

- **RADIUS**
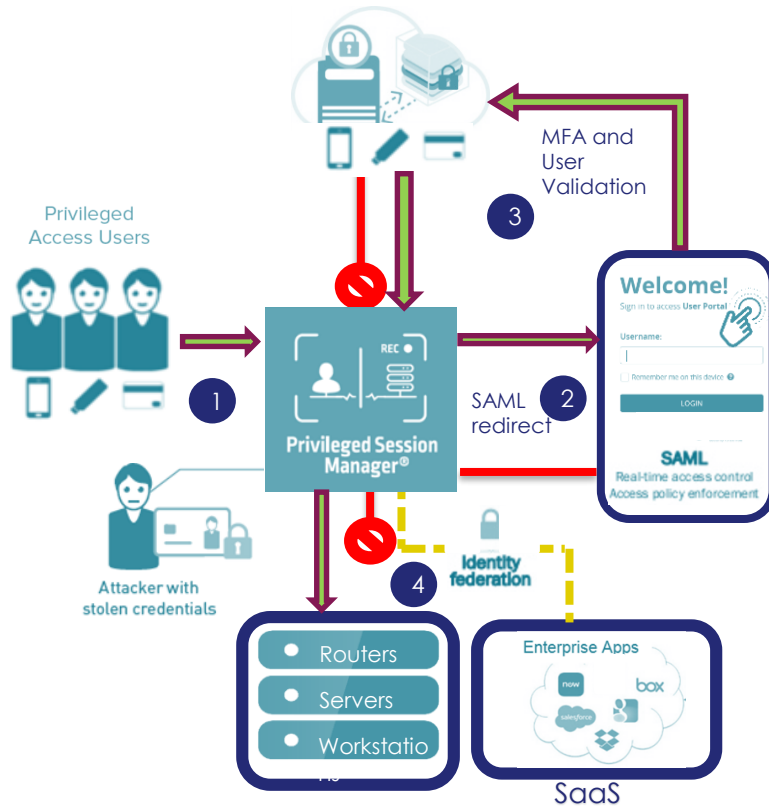- **SAML**

Supports Multiple Authentication

Compatible with all used protocols for authentication & federation

Smooth & easy integrations detailed in step by step guides

Adding an extra layer of authentication to ALL your enterprise applications

Implement additional granular access policies

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How it Works

1. **User requests access to protected resource.**

2. **Request is redirected to SafeNet Trusted Access IDP, where access policy is assessed to determine requirements**

3. **Authentication challenge is issued to user and MFA validated**

4. **Access is granted to protected resources and SSO session established for other connected cloud applications.**

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Our Unique Value Proposition

Prevent breaches

Better Value

Competitive pricing

Integrated MFA-AM service

All in one license

Multiple tokens included

Enable secure cloud transformation

Better Risk Mgmt.

Broadest MFA

Cloud neutral

Conditional access

Simplify compliance

Easy To Deploy

Rapid time to live

Completely automated

Simple policy setup

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Thank You