

"Zdravý určitě nejste, protože dnes už je medicina tak pokročilá, že zdravý člověk neexistuje."



THALES

Maximalizujte ochranu svých dat a uživatelský komfort.

Petr Kunstat
Cloud Protection & Licensing
CEE Consultant



Thales Group Focuses on Intelligent Systems





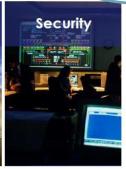


















68
Countries
Global presence





THALES

Trends and real cases from the field

Why do we need a Modern Security solution



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



Mistakes in a security design

Avast

Zatím neznámým a podle všeho velmi zkušeným hackerům se podařilo napadnout interní síť antivirové <u>společnosti Avast</u>. Začátky pokusů o útok se expertům Avastu podařilo zpětně vystopovat až do 14. května tohoto roku. Útok samotný však byl odhalen až 23. září.

Hackeři zneužili přístupová práva jednoho ze zaměstnanců. Jejich záměrem pravděpodobně bylo infikovat malwarem (škodlivým softwarem) populární utilitku CCleaner, kterou Avast od roku 2017 vlastní.



Avast has suffered a breach of its internal IT network thanks to what it calls a sophisticated hack. Photo ILLUSTRATION BY RAFAEL HENRIQUE/SOPA IMAGES/LIGHTROCKET VIA GETTY IMAGES

Avast has become the victim of a cyberespionage campaign that saw hackers gain deep access to its network. But the Czech company, which has more than 400 million customers for its various antivirus and cybersecurity products, claims the damage is limited.

Benesov hospital



ilustrační snímek | foto: @k3r3n3, Jan Kužník, Technet.cz

Provoz <u>benešovské nemocnice zcela narušil</u> počítačový virus, který v noci napadl nemocniční počítačový systém. Nelze spustit žádný přístroj včetně počítačové sítě. Nemocnice musí rušit i plánované operace. Lékaři odbavují pacienty postaru, jako "před příchodem počítačů".

T-Mobile

Over 1.5 million customer records at T-Mobile Czech Republic were stolen by one of its employees, according to local media. TMCZ 2016



THALES

Solution



Move security beyond the perimeter to defend what's really under attack





Move security beyond the perimeter to defend what's really under attack



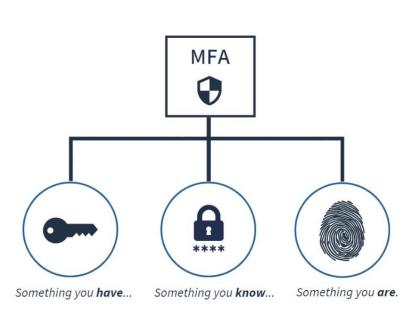


THALES

Secure access to your sensitive data & IT resources



Safenet Trusted Access = MFA + Smart SSO + Access Management





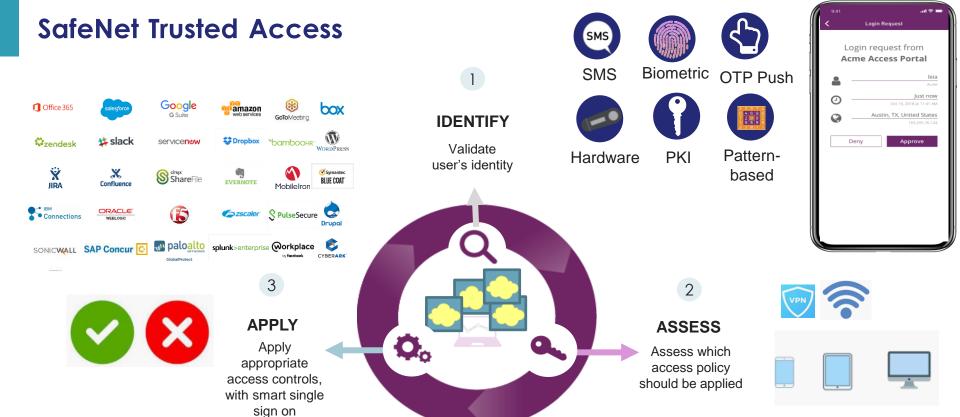












SafeNet Trusted Access allows organizations to manage access to cloud applications by validating identities, determining levels of trust and applying appropriate access controls each time the user accesses a cloud service.



Demo Windows Desktop





SafeNet Trusted Access

Universal authentication methods











Password

Kerberos

OTP Push

Hardware

3rd Party









eMail

Patternbased

SMS

/

Passwordless



Biometric

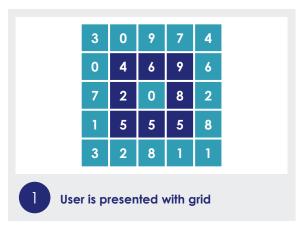


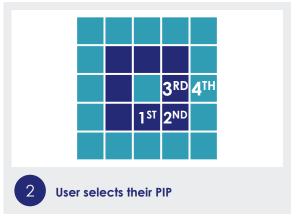
Google Authenticator

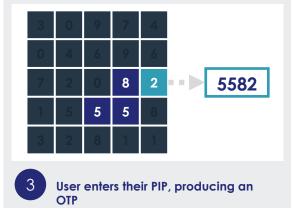
- Utilize the MFA schemes already deployed
- Extend PKI authentication to the cloud
- Offer the appropriate level of assurance
- Offer convenience with Passwordless authentication



Pattern-based Authentication: When you forget your mobile at home



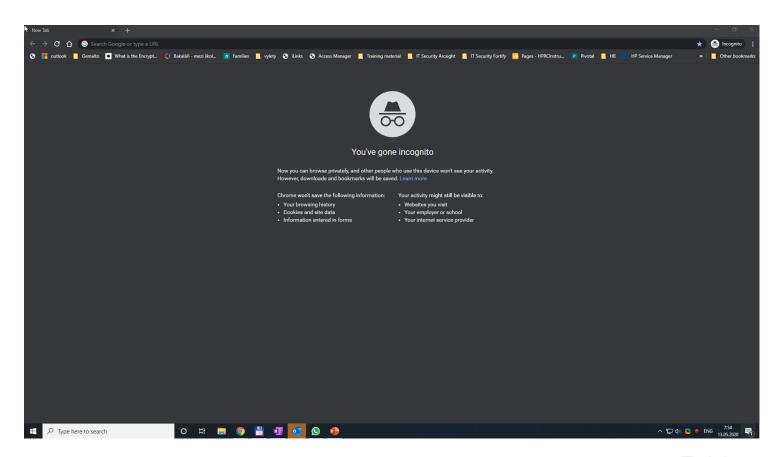








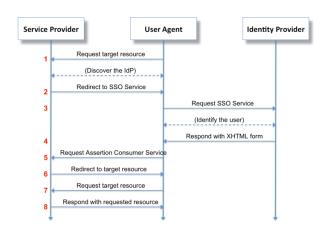
Demo O365

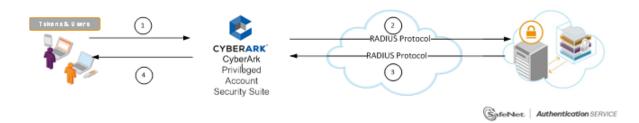




How to integrate your IT applications with STA

- SAML 2.0/OIDC
- Agents Logon, ADFS, AD
- Radius
- REST/SOAP API for administration







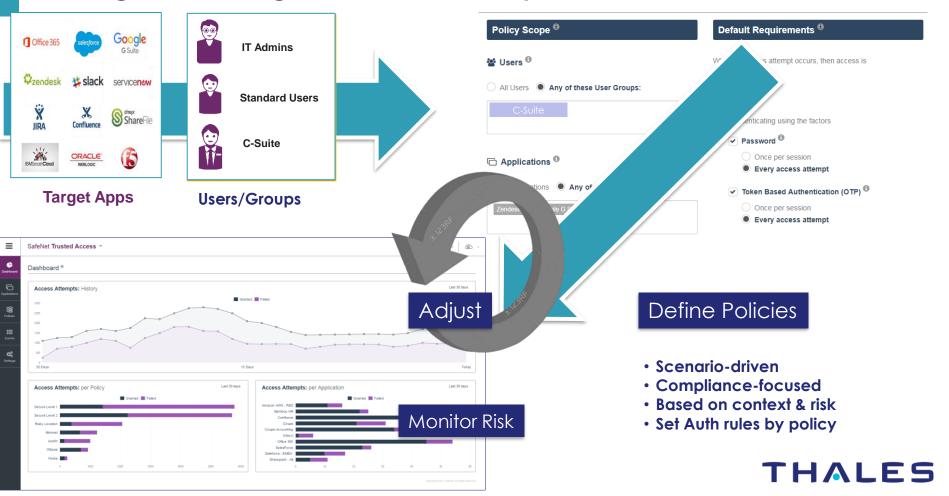
THALES

Г

Flexible & Powerful Policy Engine



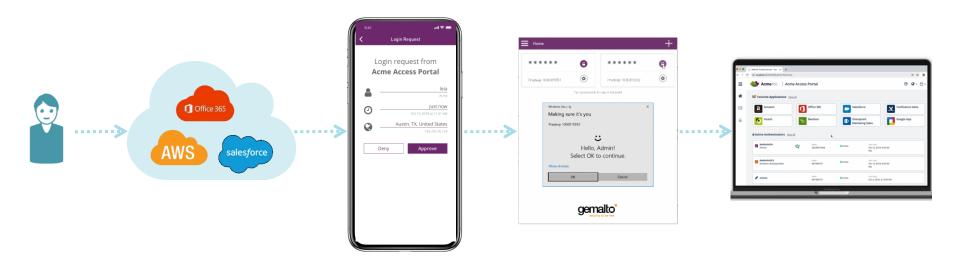
Manage risk through scenario-based policies



Passwordless Authentication

Strong authentication without the need to remember a password

Combination of Push OTP with PIN (Windows Hello / Biometric on iOS or Android)

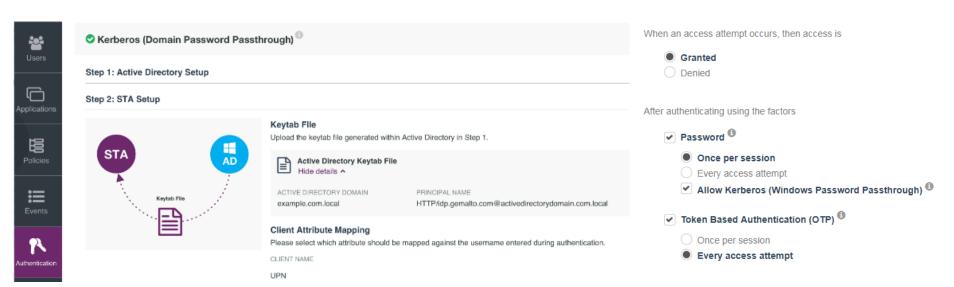


STA Policy is configured for OTP only, without password; Biometric PIN serves as 2nd factor



Windows Integrated Authentication

- SafeNet Trusted Access can use Windows login to the enterprise
 - > As an authentication factor in the SSO session
- Enhances convenience:
 - No need to authenticate again after logging in with your Windows domain password





Certificate Based Authentication Flow

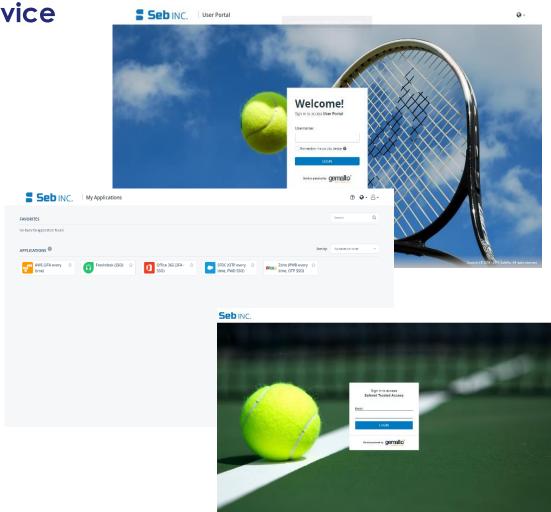




Fully Customizable SaaS Service

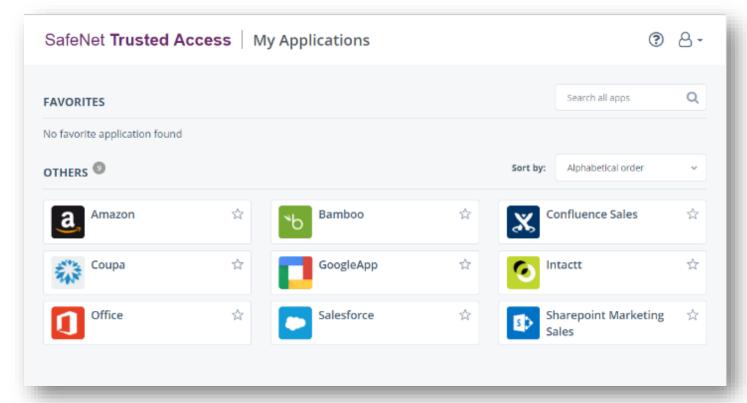
Brand your own service

- > SSO Portal
- > Self-Service Portal
- > Portal URLs
- ➤ SMS Messages and Emails
- > Token branding options



Launch all apps from a central user portal

Trigger Single Sign On by logging into the user portal





Automated User Synchronization

- Synch any user store with SafeNet Authentication Service
- Periodic synching every 20 minutes
 - Non-intrusive
 - Secure encrypted communications
 - Multi-domain support (e.g. <u>jill@abc.com</u>, <u>bob@xyz.biz</u>)

Supports any user store

- > SQL
- > LDAP
- > AD
- > ODBC
- **>** Lotus
- ➤ Novell
- Other via custom field mapping

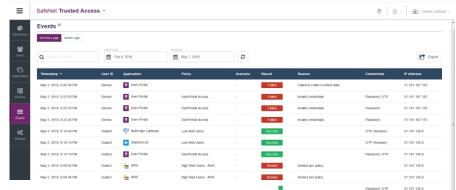
Integrate user store once, and trigger automated workflows throughout





Visibility into who is accessing which app, when and how

- Access event dashboards and unified audit trail
- Houndreds out-of-the box templates
- Automated delivery
- Prove compliance
- Integrates with SIEMs (CA,IBM QRadar,...)
- All logs can be exported





IDPrime Virtual & FIDO2

IDPV

Thales Security Solution for

- > PKI authentication
- ➤ Data encryption
- > Digital signing











Passwordless





Do you dare to check?

