

MINDSHARE

2025 10-11
SEP

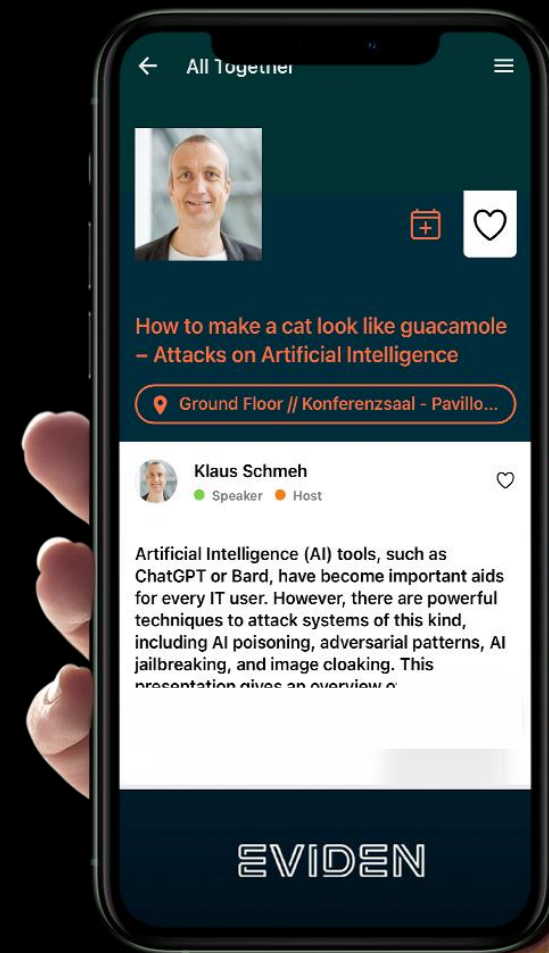
CYBERSECURITY
LEADERSHIP FORUM

Securing
Identity for
our Digital
Future

MINDSHARE AGENDA



GET APP



MINDSHARE

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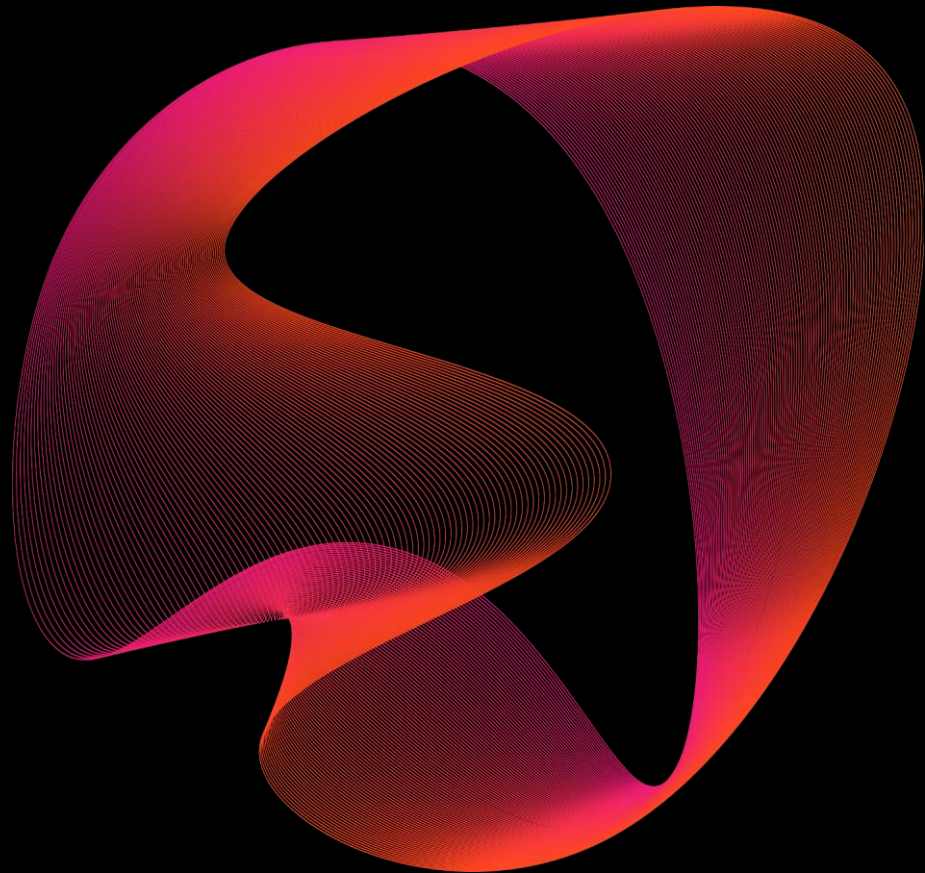
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Atefeh Mokallahi, Eviden

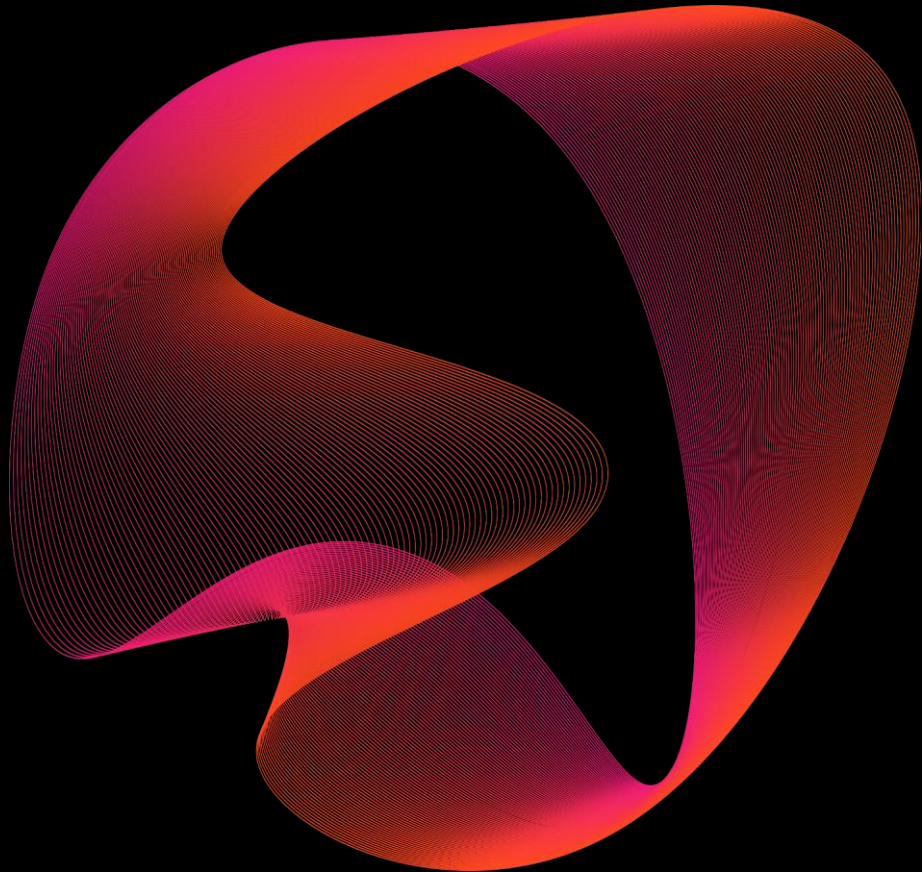
Is a Virtual Smart
Card (VSC) the
Better Smart Card?

Agenda



1. What is the best credential store?
2. cryptovision SCinterface
3. SCinterface VSC
4. Summary and Conclusion

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What is the best credential store?

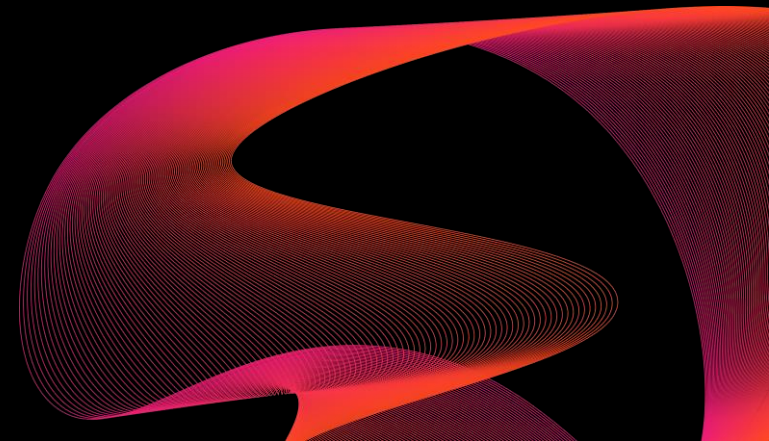
Observed market trend

Increasing demand for virtual smart card solutions

Factors influencing this trend

Threat situation, regulatory compliance, usability, scalability, cost reduction, ...

But is a virtual smart card the best solution for everyone?



What is the best credential store?



What is the best credential store?

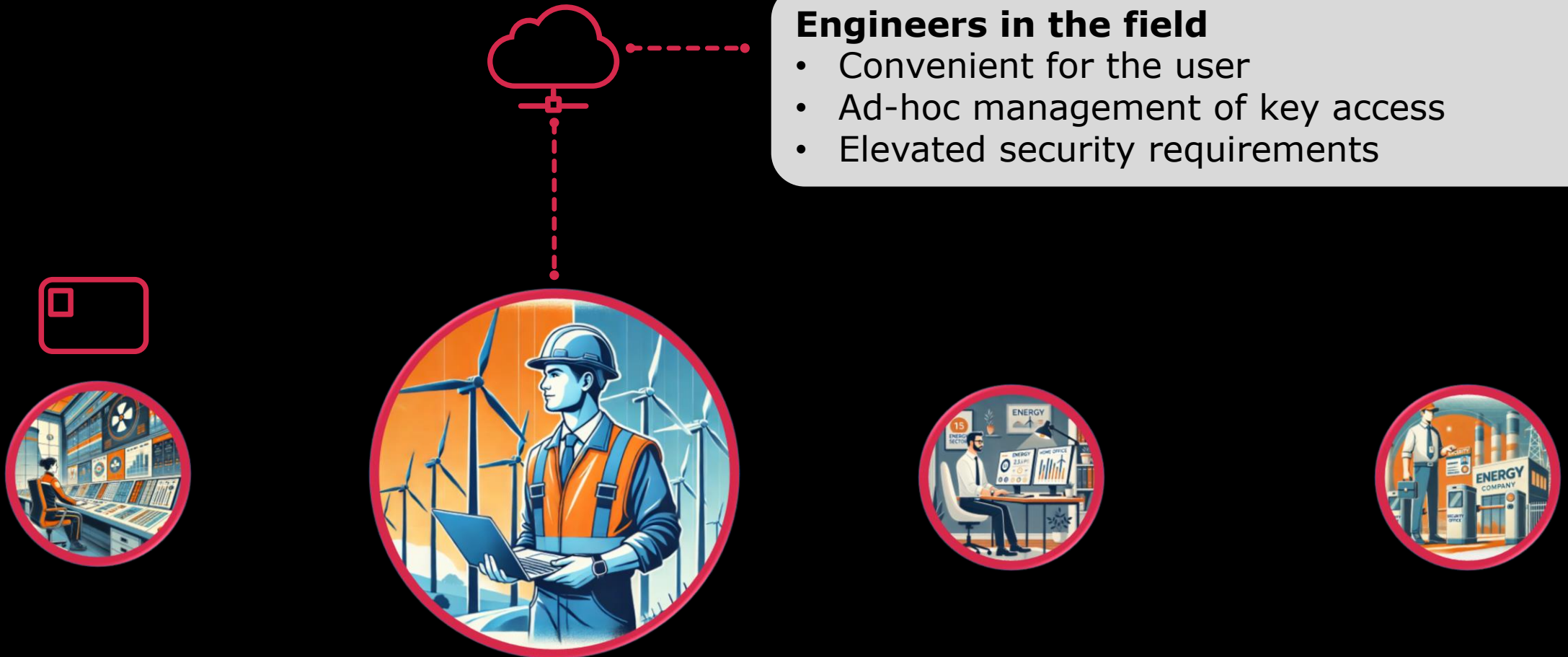


Users in sensitive environments

- Physical 2nd factor regulatorily mandated
- Usable on multiple systems
- Highest security level



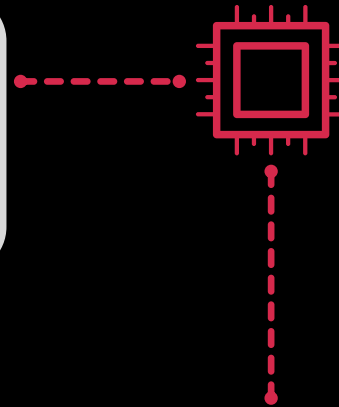
What is the best credential store?



What is the best credential store?

Office workers

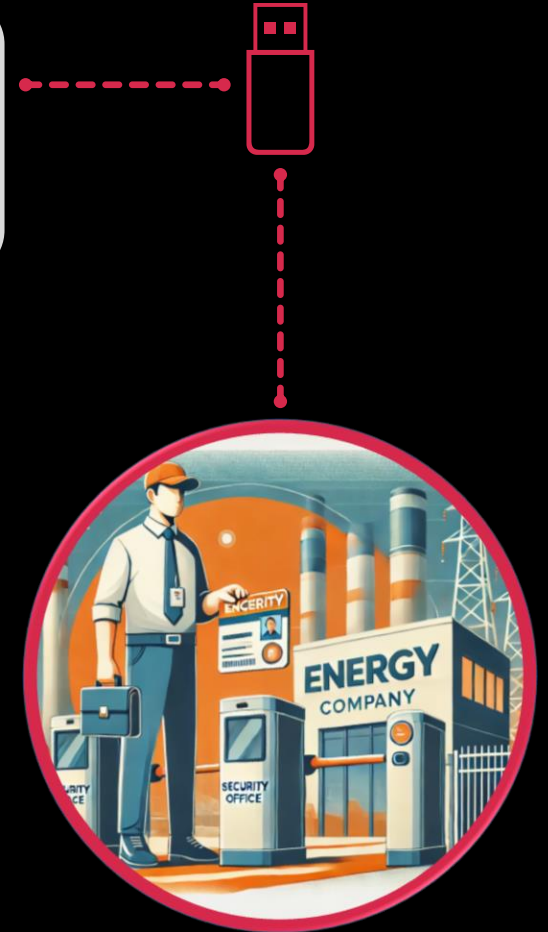
- Convenient for the user
- Online- and offline availability
- Intermediate security requirements



What is the best credential store?

Temporary employees & contractors

- BYOD support
- Easy onboarding process
- Elevated security requirements



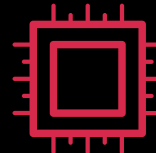
What is the best credential store?

What actually counts:

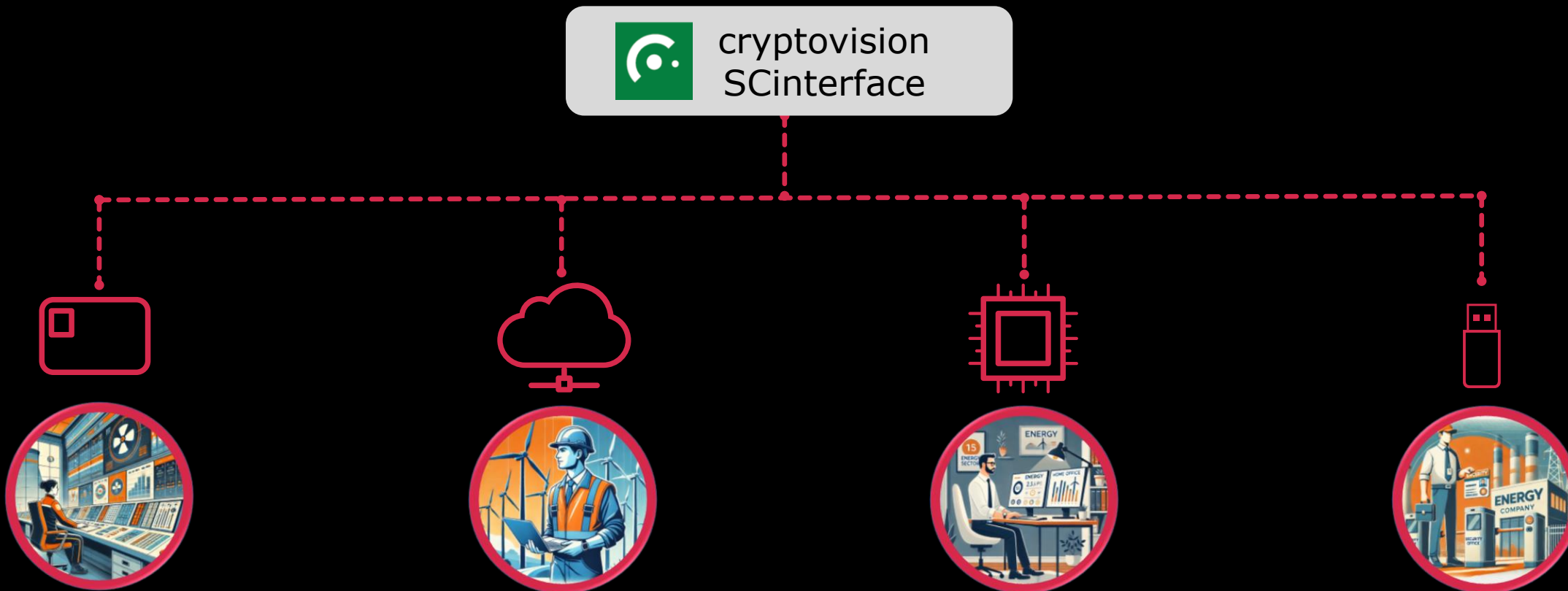
Adaptability, scalability, identical user experience, flexibility in security requirement

The solution:

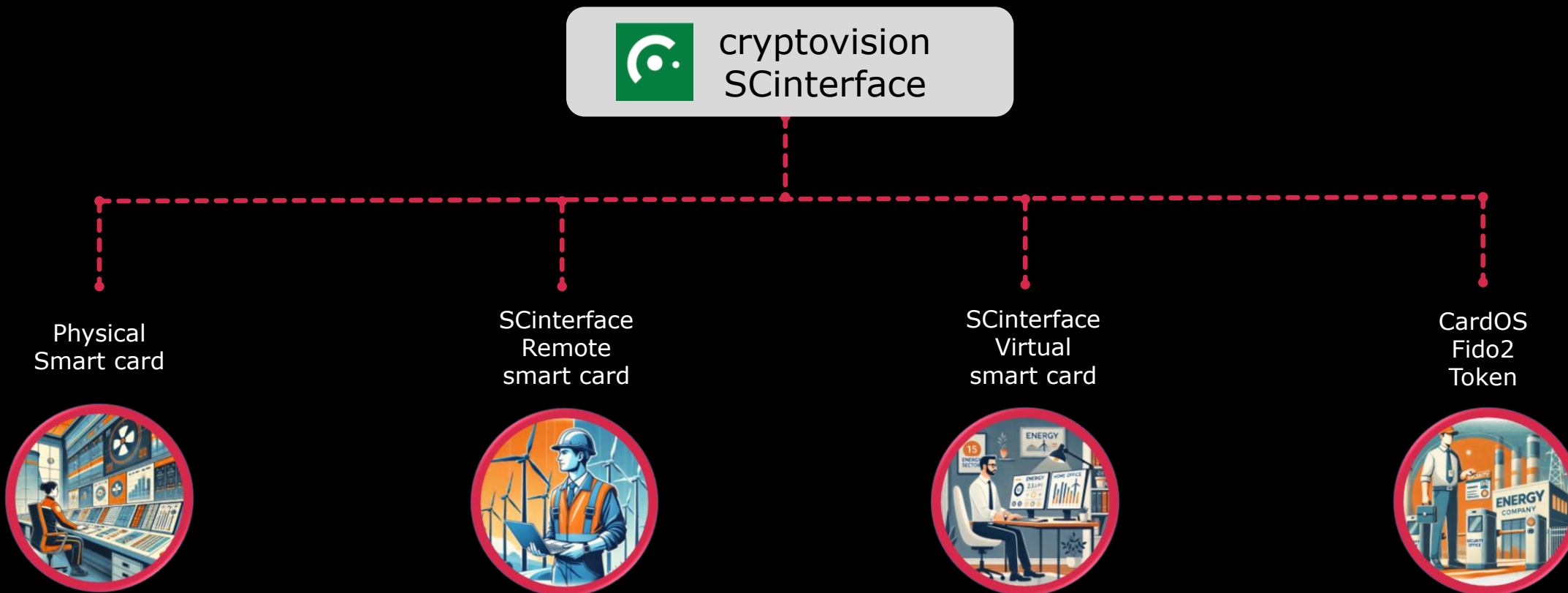
Integration of all form factors with the same middleware



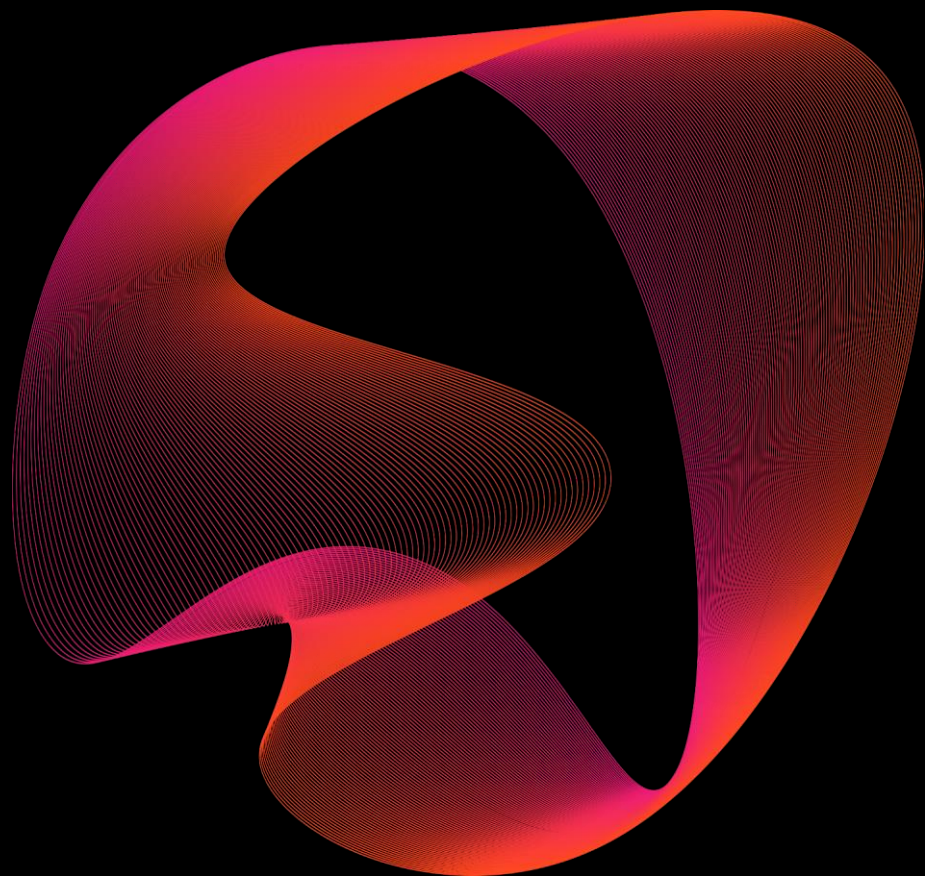
What is the best credential store?



What is the best credential store?



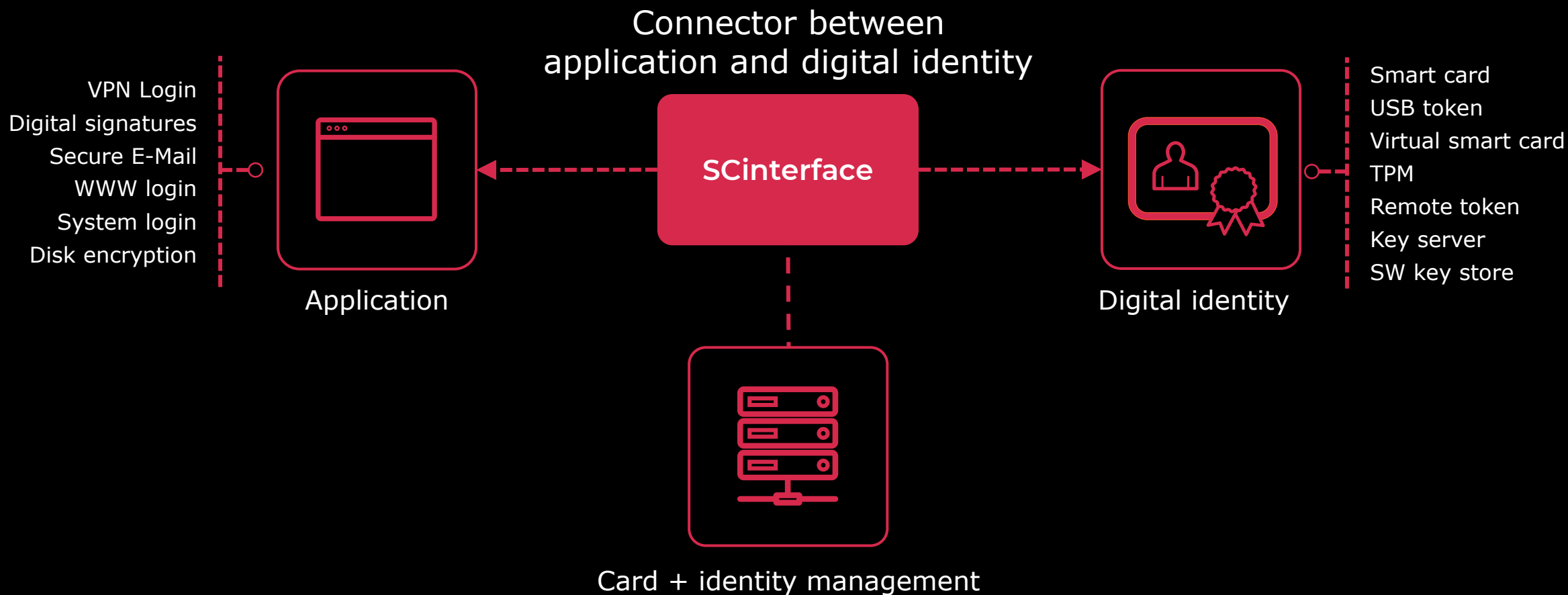
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SCinterface

Smart card middleware plays a central role



SCinterface editions and add-ins

Editions

SCinterface



Smart card
middleware

SCinterface
Biometric



Fingerprint support
(match-on-card)

Add-ins

SCinterface
Cache



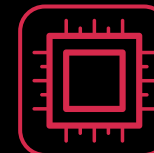
PIN caching
(works across
application borders)

SCinterface
Remote

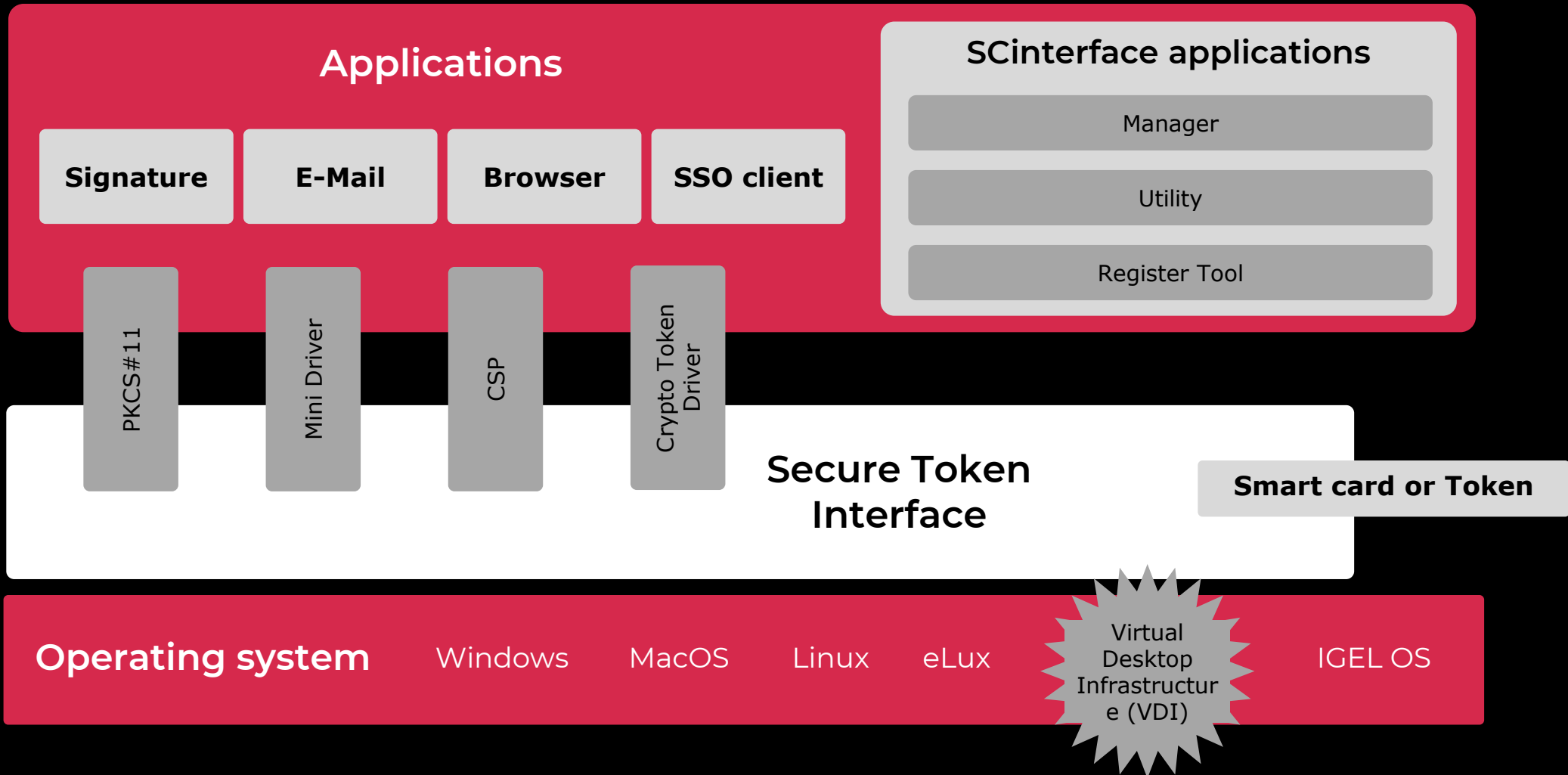


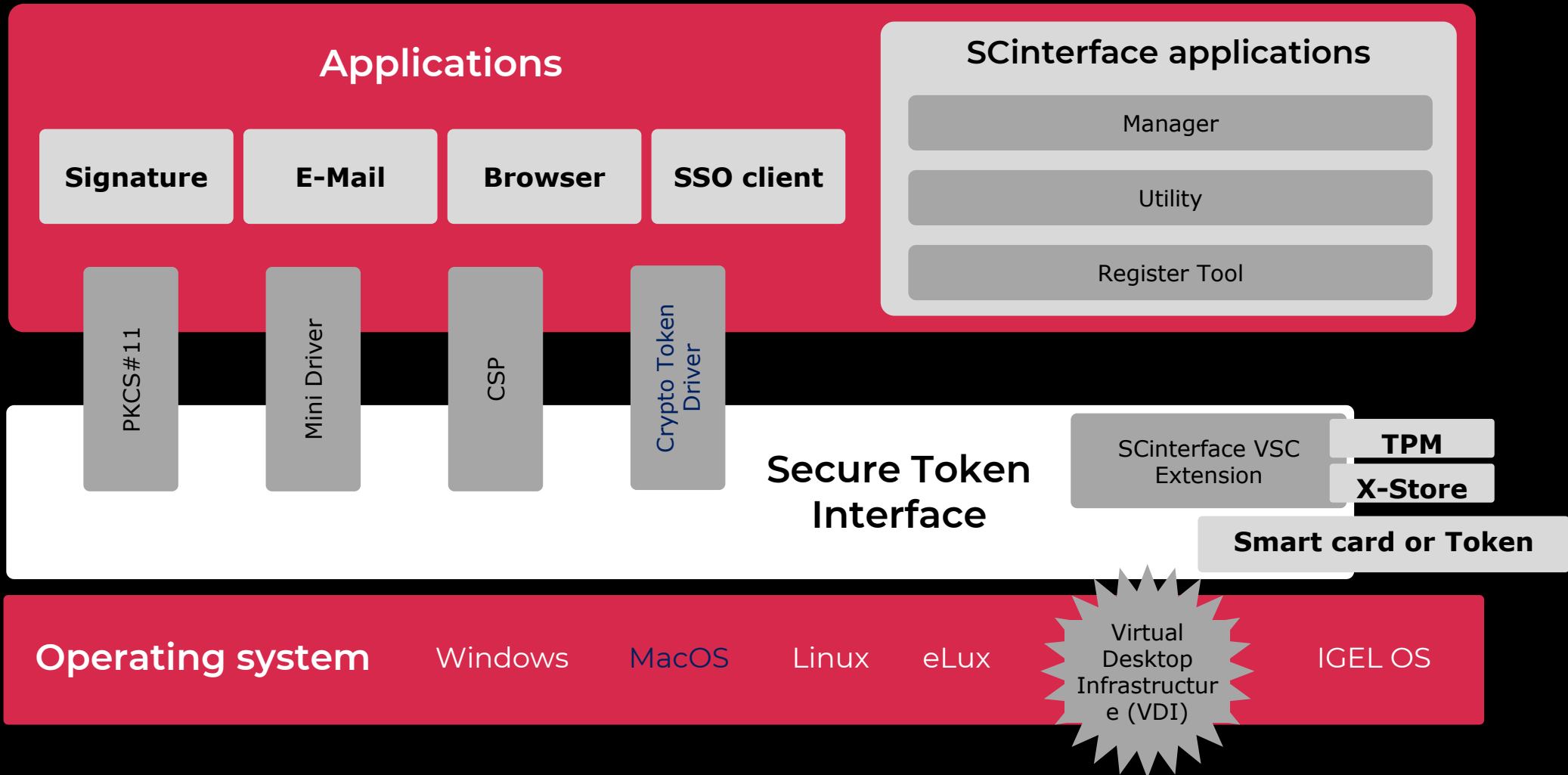
Remote access
to private key

SCinterface
VSC



Virtual smart card
with and without
TPM as security
anchor





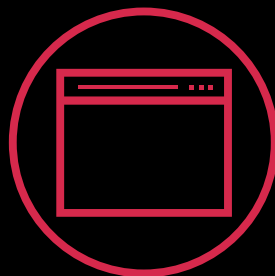
Why SCinterface VSC is flexible



Key handling
on TPM 2.0



Software tokens,
TPM-encryption
optional



VDI and CMS
integration



Compatible with
PKCS#11,
Minidriver, ...



Supports all use
cases

Multi-instance
support (VSC)

Why SCinterface VSC is secure



Highest
Security Level



ISO 7816
compliant;
PKCS#15 profile



RSA up to 4096
and ECC (NIST &
Brainpool)
support



Use of Botan
crypto library for
X-Store

X-Store function

An Eviden feature



Microsoft Virtual Smart Card (VSC)



Microsoft VSC

- VSC solution by Microsoft
- Discontinued

Why switching from MS VSC to Sci VSC is easy and beneficial



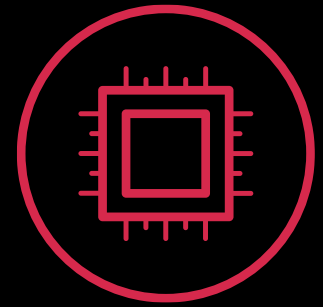
Parallel use of
all options incl.
MS VSC



Supports the
same features
as MS VSC

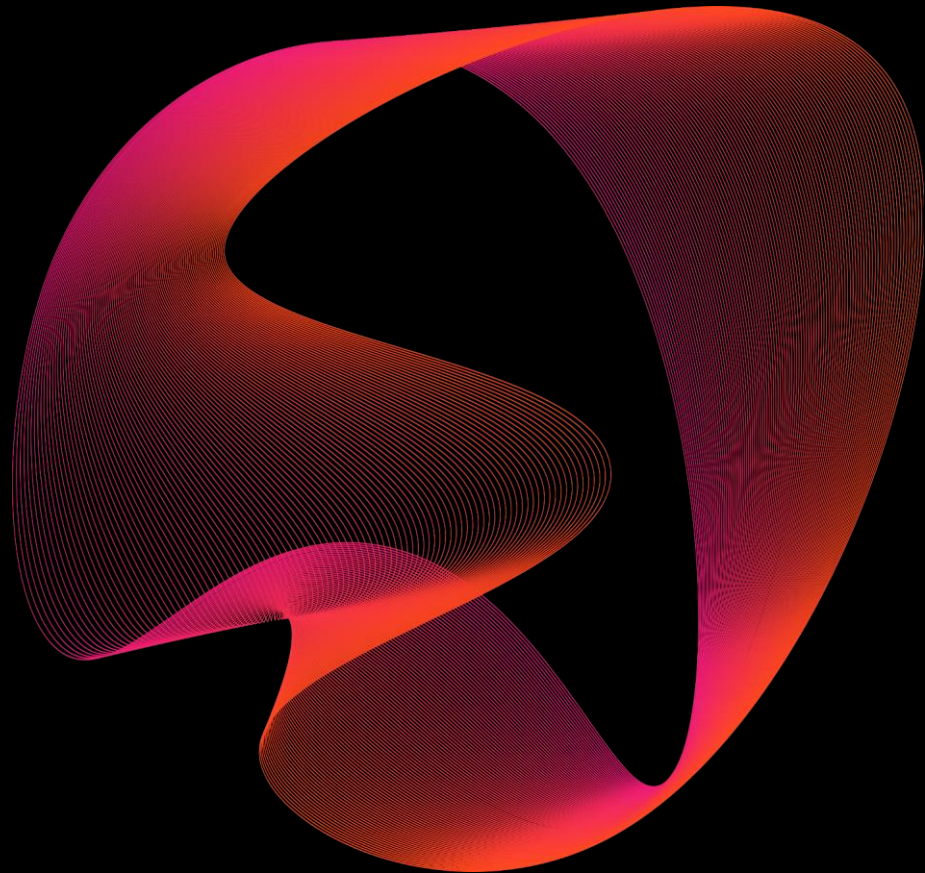


Secure key injection
(not supported by
Microsoft)



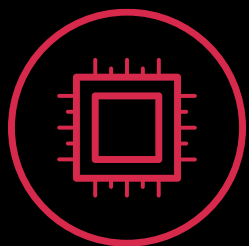
Support for future
proof key material

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Conclusion



SCinterface
VSC

Is a powerful Virtual Smart Card solution

Offers all physical token and smart card use cases but in virtual format

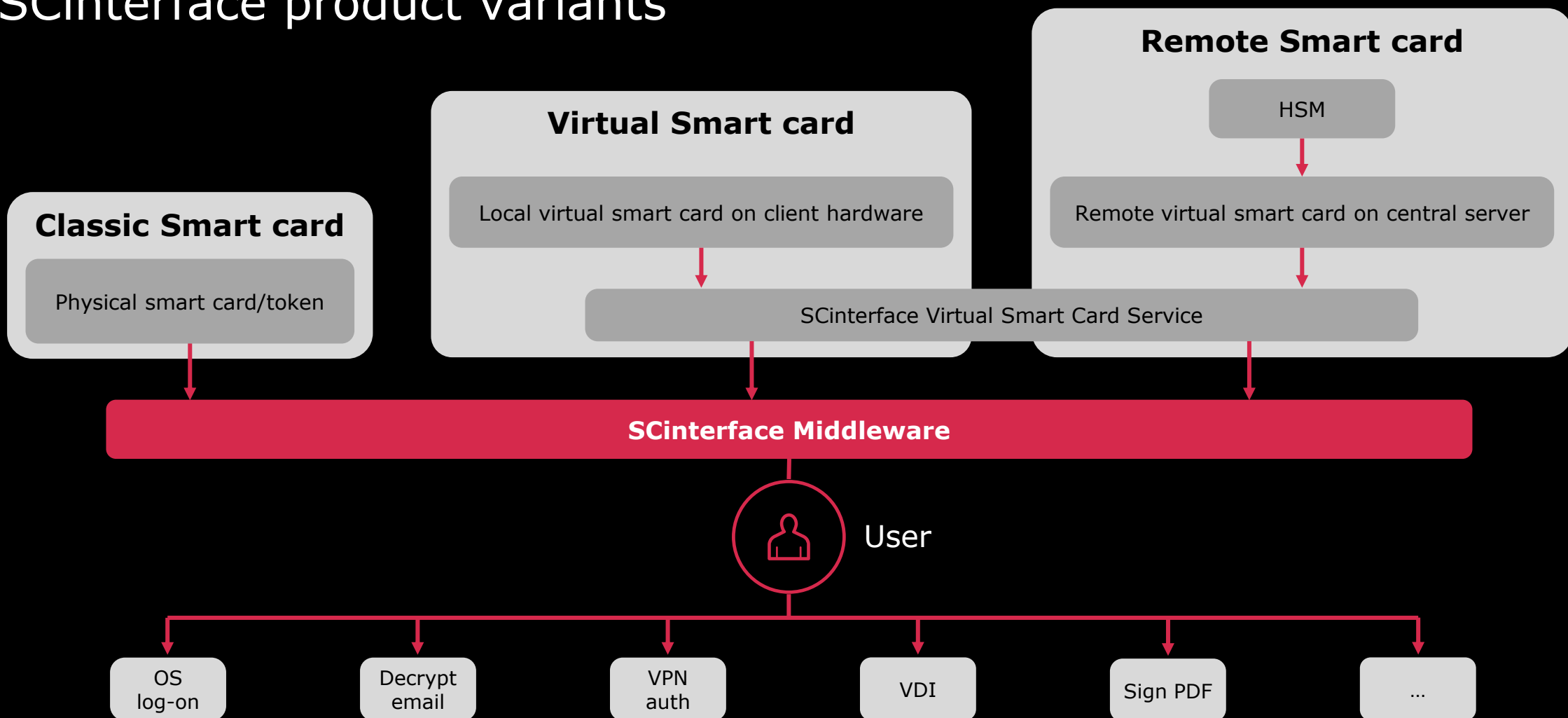
Brings efficiency in cost and delivery time

Allows for easy migration from smart card, tokens or MS VSC

Is more versatile & future proof than MS VSC

Conclusion

SCinterface product variants



Thank you for your attention!



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TAKE A MINUTE AND GIVE US FEEDBACK

