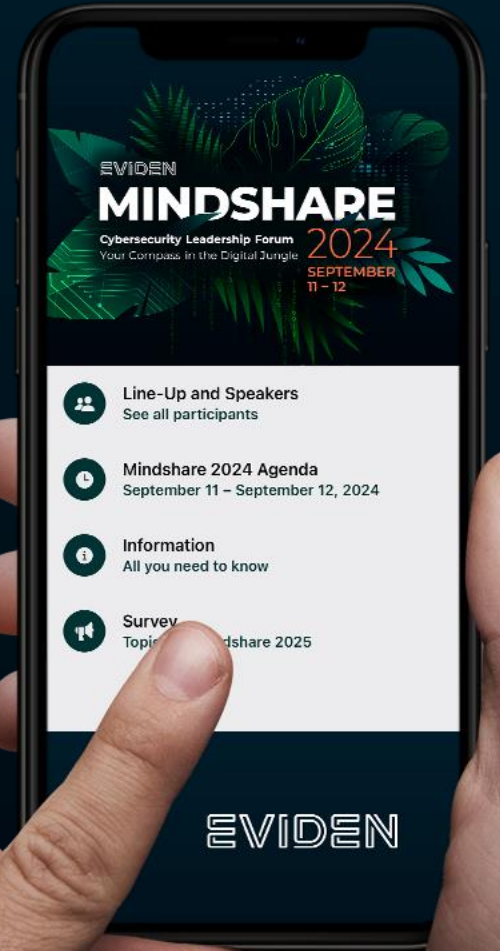


MINDSHARE 2024 AGENDA



SCAN NOW !



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

SCinterface - Smart Card Middleware

Atefeh, Mokallahi, Eviden

EVIDEN
MINDSHARE
2024



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Key topics

What is the best credential store?

cryptovision SCinterface

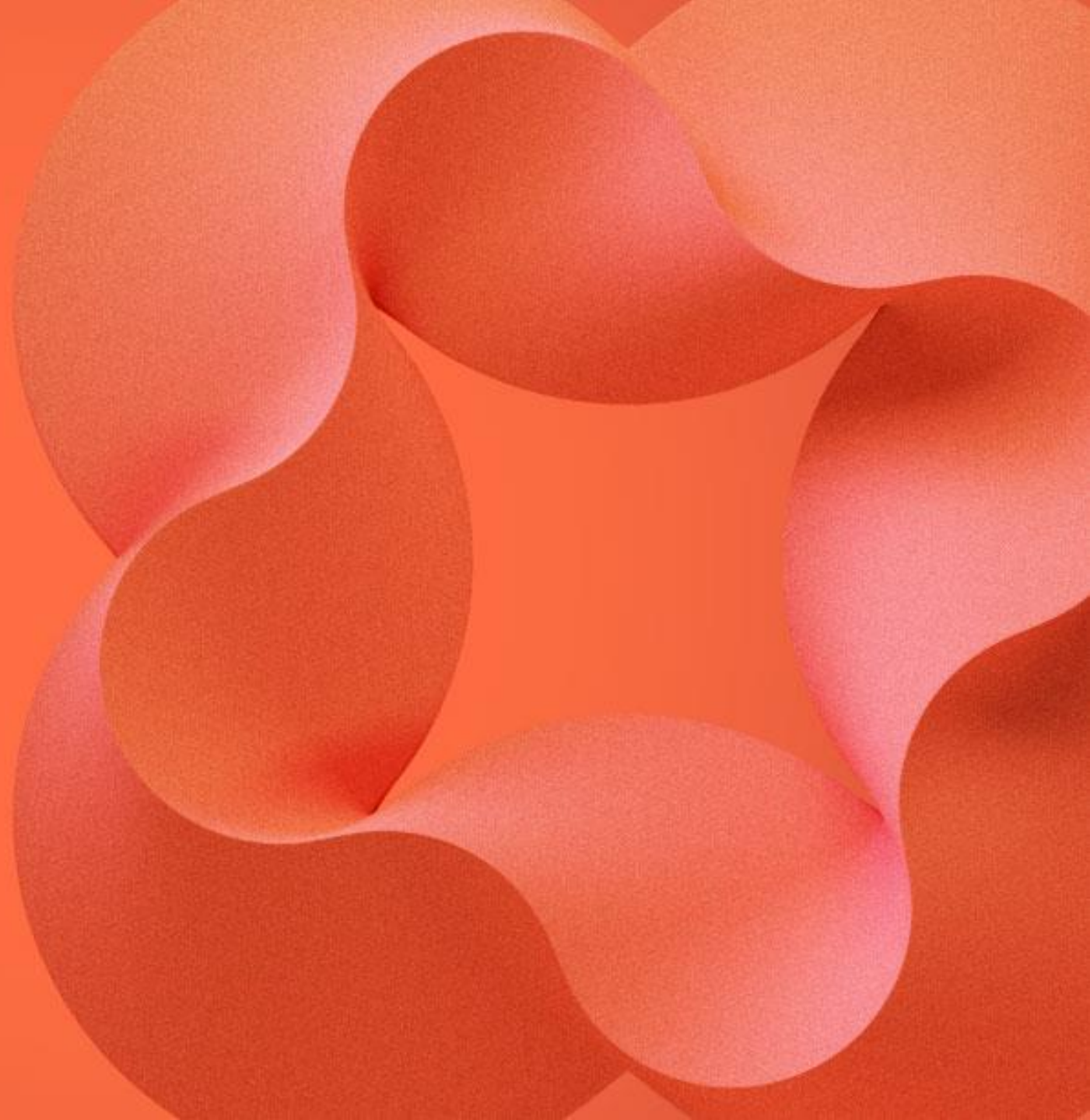
SCinterface VSC

Summary and Conclusion



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**What is the best
credential store?**



What is the best credential store?

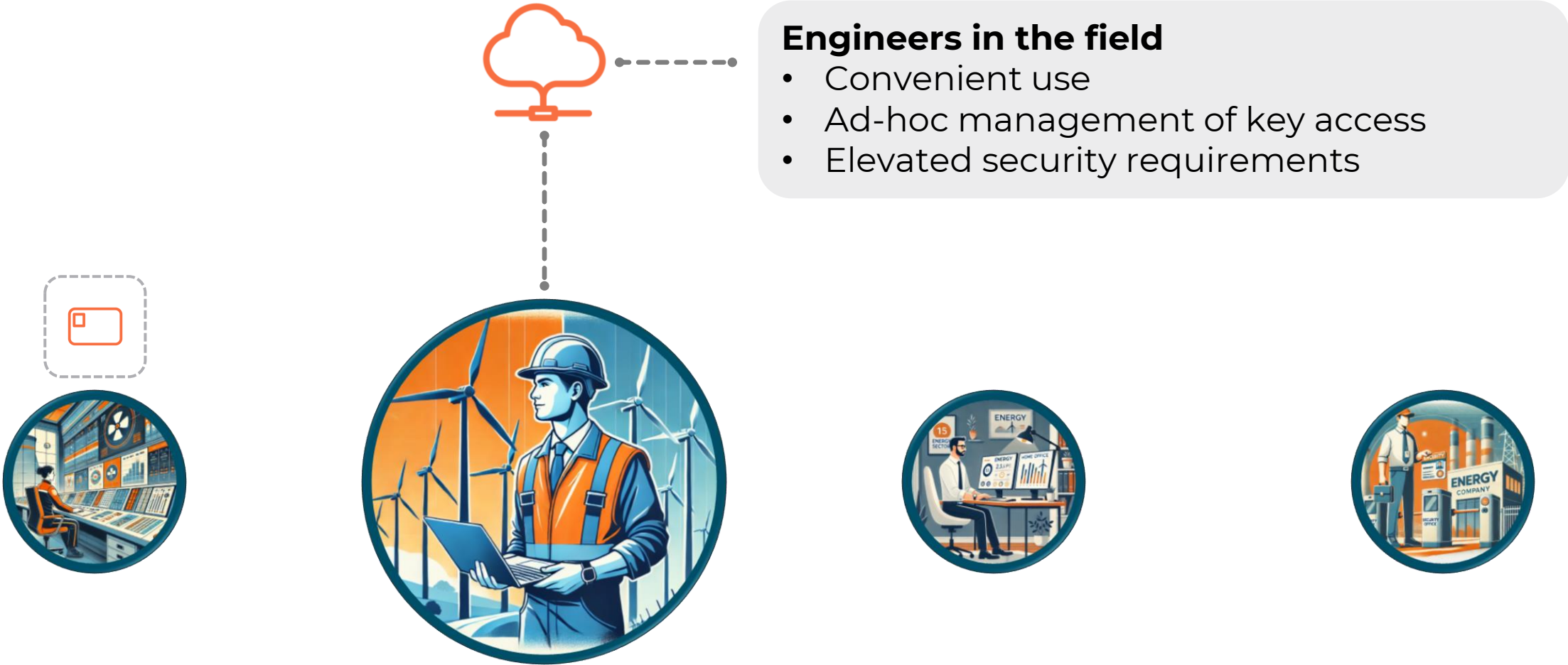


Users in sensitive environments

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



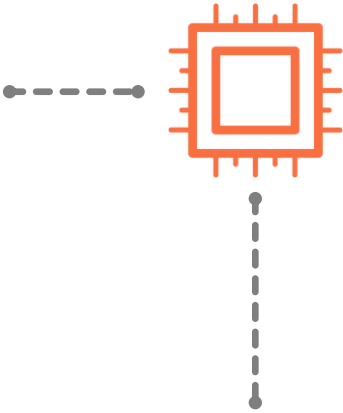
What is the best credential store?



What is the best credential store?

Office workers

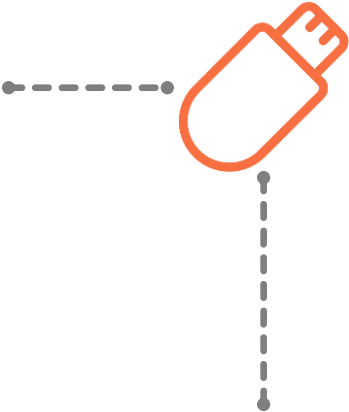
- Convenient use
- Online- and offline availability
- Intermediate security requirements



What is the best credential store?

Temporary employees & contractors

- BYOD support
- Simple onboarding process
- Elevated security requirements



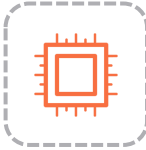
What is the best credential store?

What actually counts:

Adaptability, scalability, low maintenance effort, identical user experience

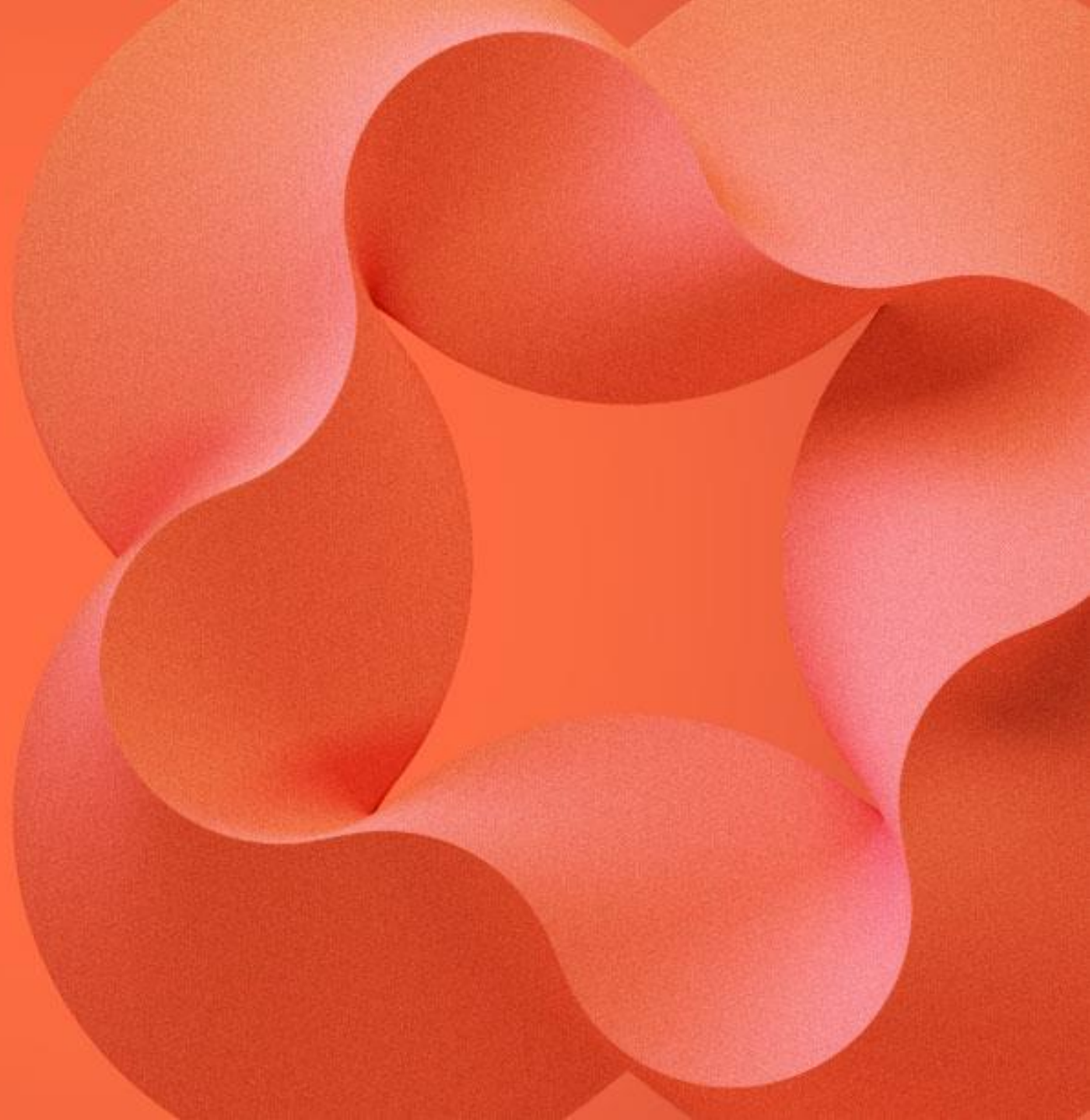
The solution:

Integration of all form factors with the same middleware



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cryptovision
SCinterface

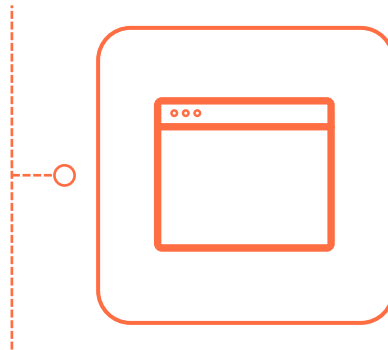


SCinterface

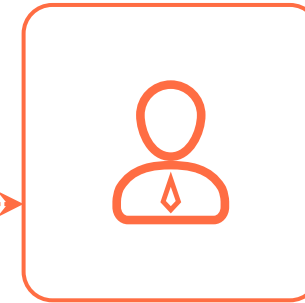
Smart card middleware plays a central role

SCinterface: connector
between application and
digital identity

VPN Login
Digital signatures
Secure E-Mail
WWW login
System login
Disk encryption

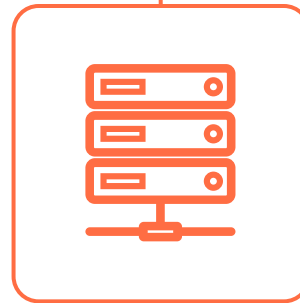


Application



Digital identity

Smart card
USB token
Virtual smart card
TPM
Remote token
Key server
SW key store

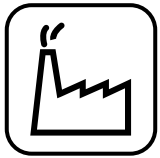


Card + identity management

SCinterface editions and add-ins

Editions

SCinterface Enterprise



Smart card
middleware for the
enterprise

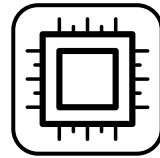
SCinterface Biometric



Fingerprint
support (match-
on-card)

Add-ins

SCinterface VSC



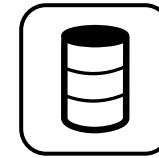
Virtual smart card with
and without TPM as
security anchor

SCinterface Remote



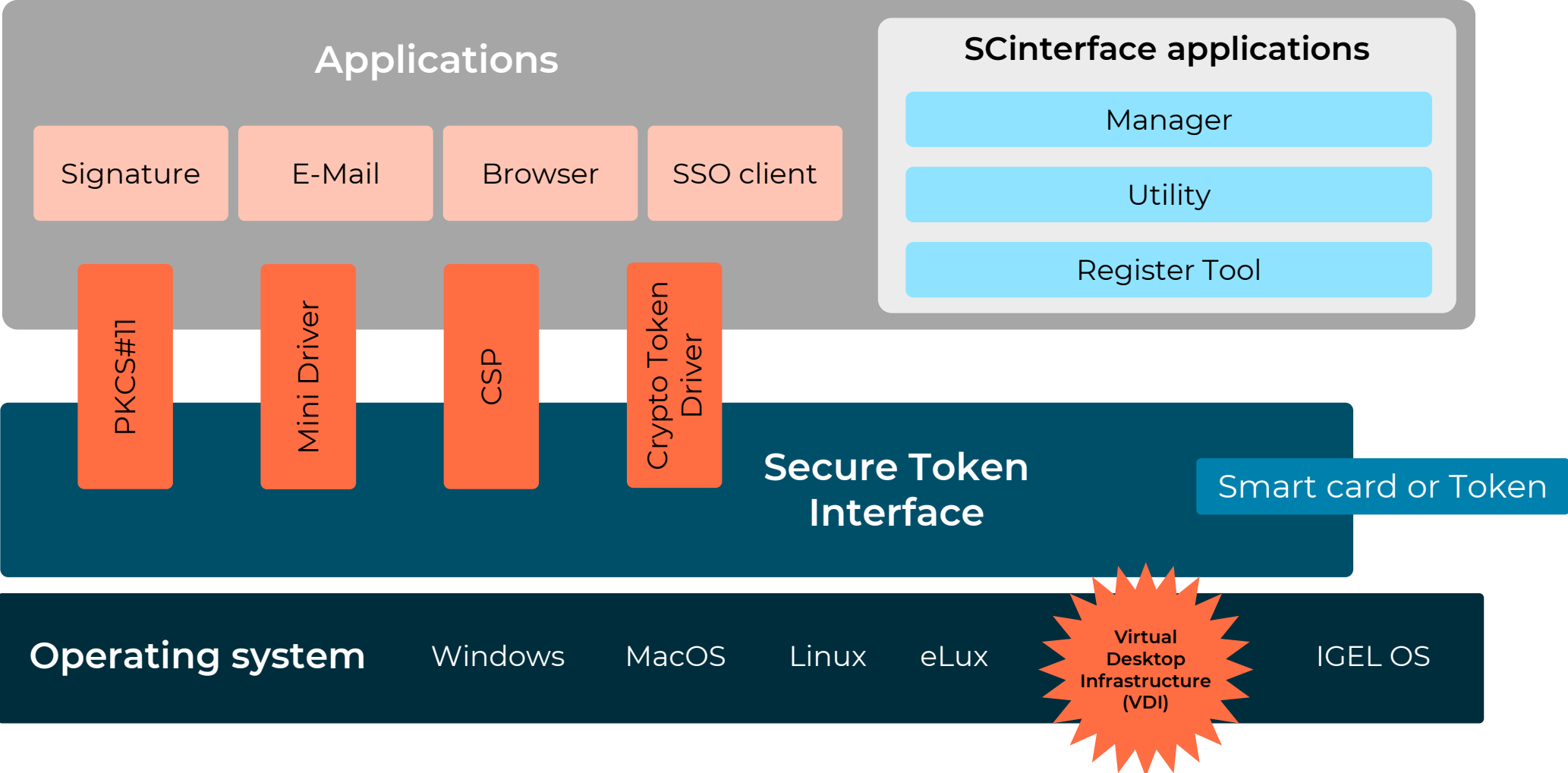
Remote
access to
private key

SCinterface Cache

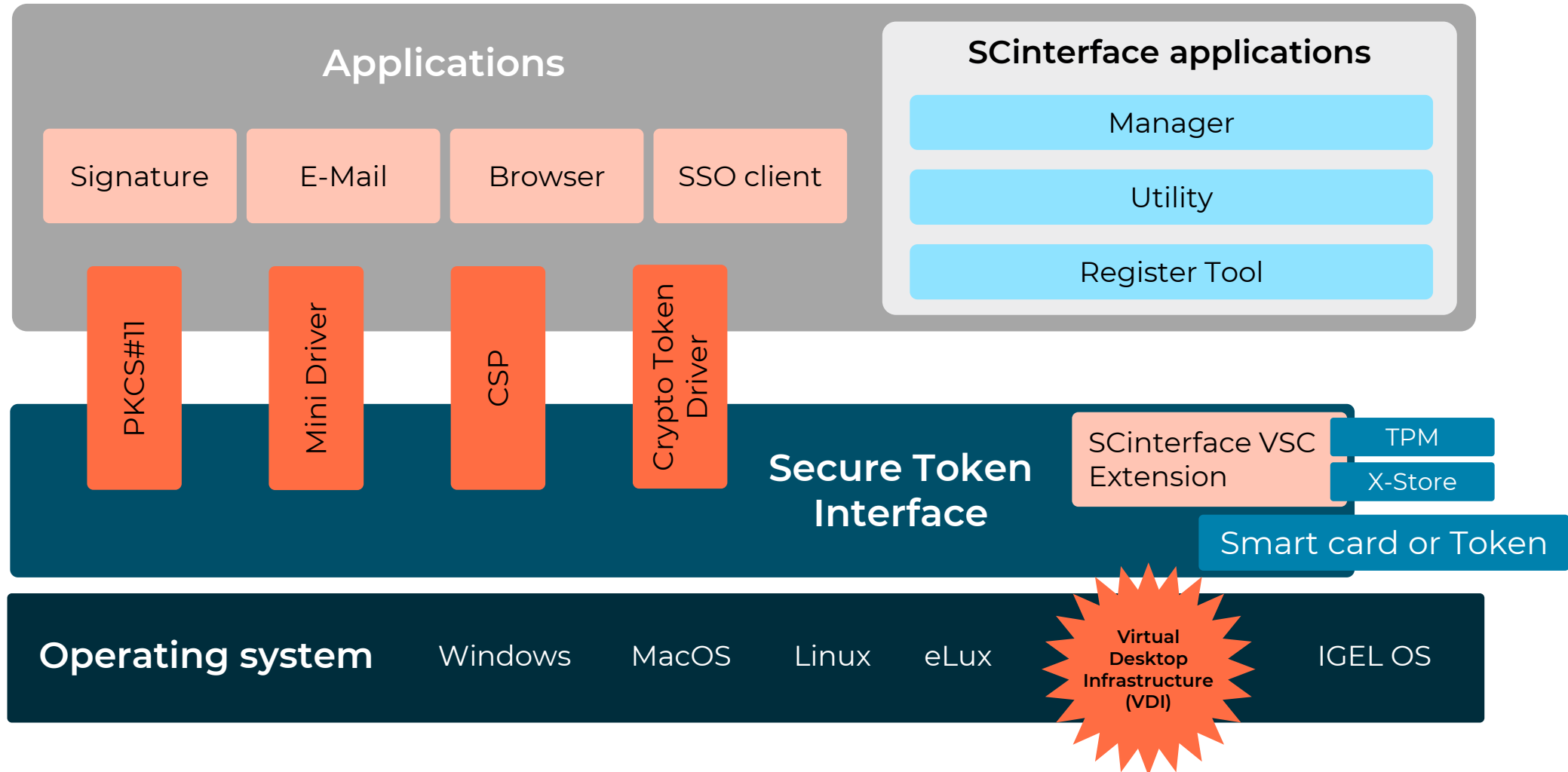


PIN caching
(cross-
application)

SCinterface architecture



SCinterface architecture



X-Store function

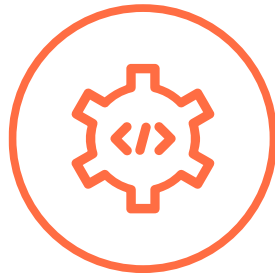
An Eviden feature



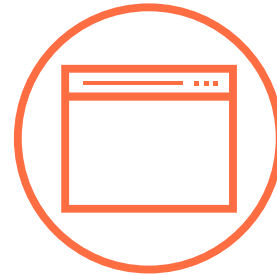
Why SCinterface VSC is flexible



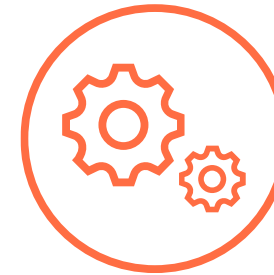
**Key handling
on TPM 2.0**



**Software tokens,
TPM-encryption
optional**



**VDI and CMS
integration**



**Compatible with
PKCS#11,
Minidriver, ...**



**Sovereign
USABILITY**

Supports all use cases
Multi-instance support
(VSC)

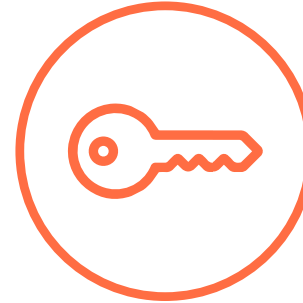
Why SCinterface VSC is secure



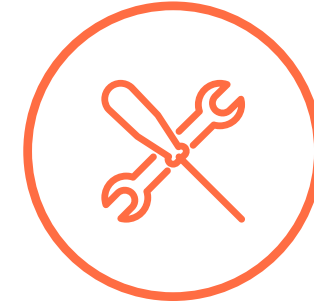
Highest
SECURITY
LEVEL



ISO 7816
compliant;
PKCS#15 profile



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



Use of Botan
crypto library for
X-Store

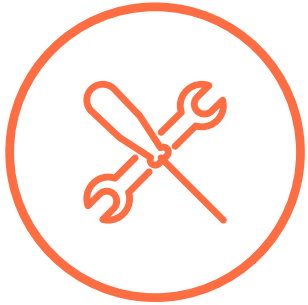
Microsoft Virtual Smart Card (VSC)



Microsoft VSC

- VSC solution by Microsoft
- Discontinued

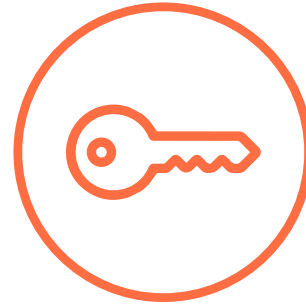
Why switching from MS VSC to Sci VSC is easy and beneficial



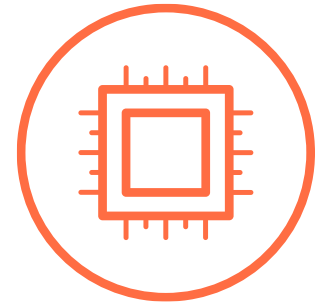
Parallel use of all options incl. MS VSC



Supports the same features as MS VSC



Secure key injection (not supported by Microsoft)

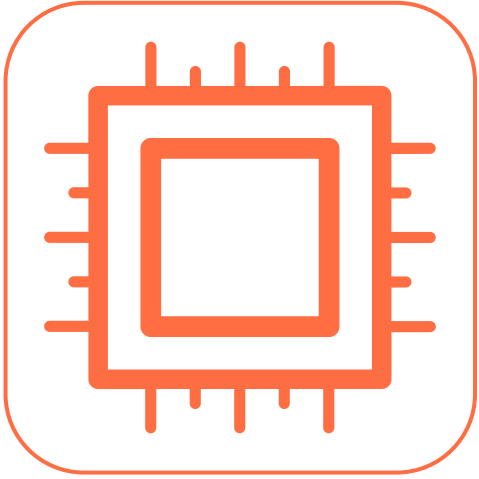


Support for future proof key material

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Summary and Conclusion

Conclusion

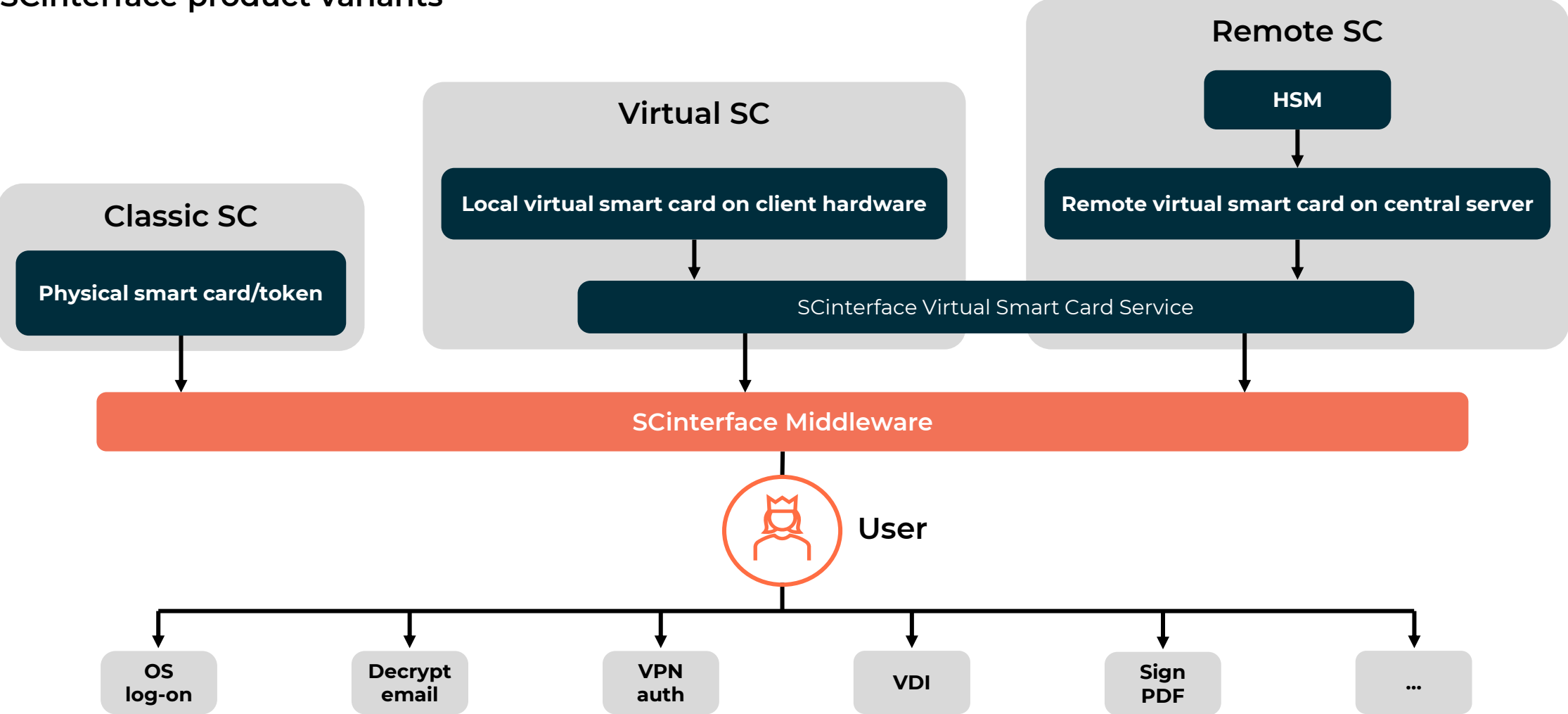


SCinterface VSC ...

- is a powerful Virtual Smart Card solution
- offers all physical token and smartcard use cases but in virtual format
- brings efficiency in cost and delivery time
- allows for easy migration from smartcard, tokens or MS VSC
- is more versatile & future proof than MS VSC

Conclusion

SCinterface product variants



SCinterface customers

Public sector



Financial sector



Industry & commerce



Others





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cryptovision

**Thank you for
your attention!**

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NOW!**

