



LUND
UNIVERSITY

eID in Mobile Devices

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Campus Cards Today

- Many universities have physical cards
- The identity of the user is verified manually
- Lots of different system uses the card
- The card is in practice and id both within and outside the university

Lund University

- We have had a campus card since 2005
 - Identities are checked at the card office
- 10% less cards issued during autumn 2020
 - The university is officially open but online education is recommended
- Mobile credentials could be interesting
 - Most students would prefer mobile solution instead of a card
 - We probably still need a card
 - Would the benefit be greater than the work/cost?



The Future ?

- Issuing mobile credentials is the “easy” part
- There are security benefits
 - It's easier to update/revoke a mobile credential
 - People don't share their phone
- How about compatibility with existing systems
 - NFC/Host Card Emulation in mobile devices could be an option
 - Readers could support other technologies i.e. Bluetooth
 - Replace everything... probably not an option.
- How do we verify the identity?
 - Should we do the verification or who do we trust

Card Technology and Combability

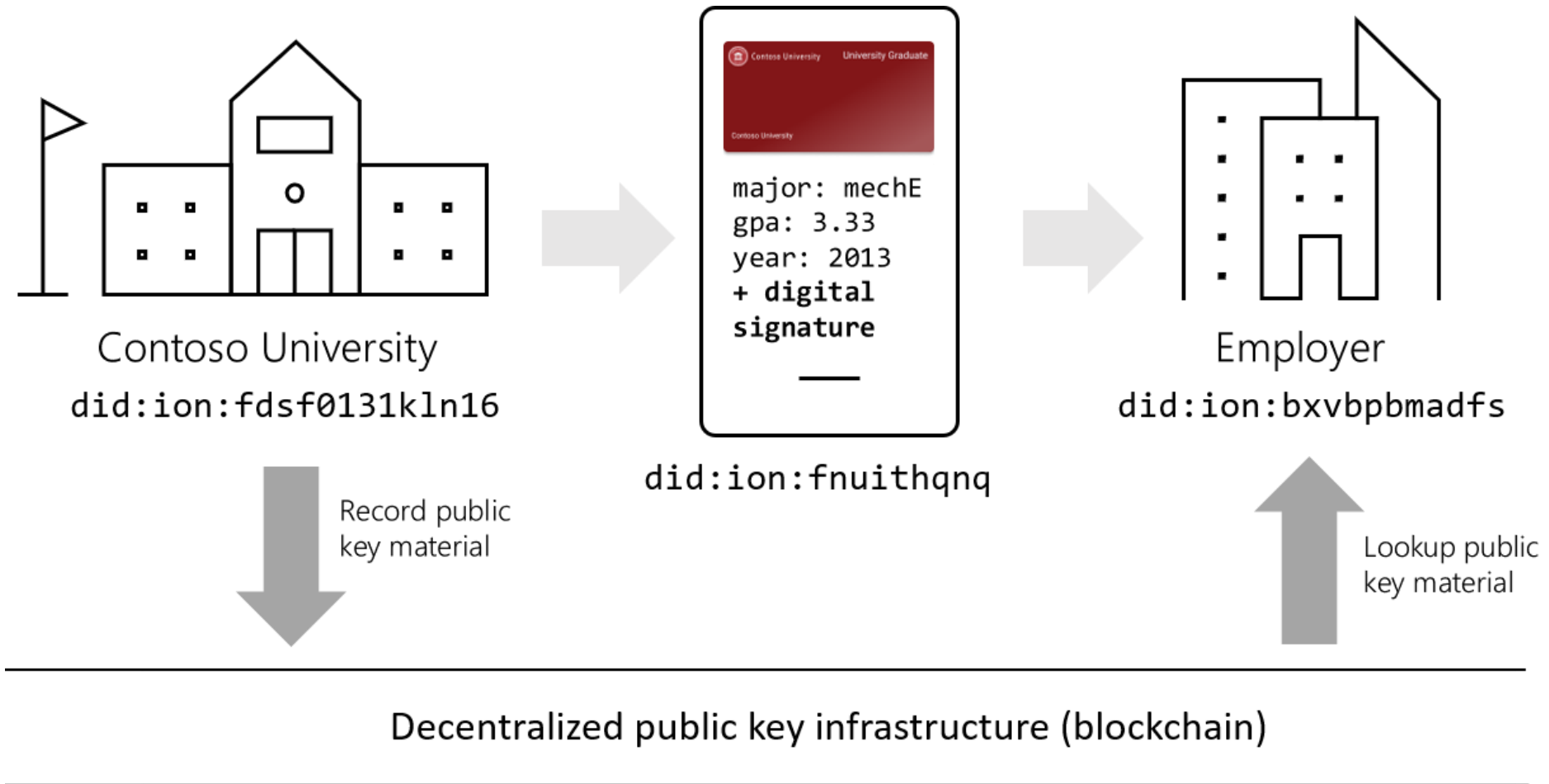
- What do we want
- What can our suppliers provide
- One app or many
- Vendor specific app(s) or integrated in a university app
- Only phone or should we support other devices (smart watches)
- The transition will take some time – start planning

Electronic Identities

- We could start using electronic identities today
 - Fully automated campus card issuing?
 - What do we want to check even if we trust the identity?
- In/from Sweden
 - BankID (<https://www.bankid.com/en/>), about 80% of the population
 - Freja eID (<https://org.frejaeid.com/en/freja-eid-corporate/>), connected to eIDAS
 - 365id (<https://365id.com/chip-verification/?lang=en>), verification of physical id



Microsoft Verifiable Credentials



<http://aka.ms/didfordevs>

Who do we trust / who trusts us

- Most solutions are based on a manual verification of a physical id at some stage
- We don't want to add information in our credentials that hasn't been verified
- We don't want to add information to the wrong identity
- Don't forget about GDPR

Questions ?