Privacy as a Service: Building an End-to-End Consent Platform

USENIX - PEPR 2019
Joined Uber in 2016
Full-stack engineer
Life goal is to be “Queen of Privacy” 🫖
Agenda

01 Why build privacy platforms?
02 End-to-end architecture
03 Lessons learned
Why build privacy platforms?
Make privacy easy
Utilize expertise
Standardize
End-to-end architecture
Basic consent flow
Entity hierarchy

Feature

Disclosure

DisclosureVersion 1.0

territory1

territory2

territory3

... LocaleCopy 1.0.0

DisclosureVersion 1.1

LocaleCopy 1.0.1

LocaleCopy 1.1.0

feature in need of consent

reconsent trigger

metadata about consent

actual copy retrieved from rosetta
Lessons learned
Be flexi aka 🙈🙉🙊
Welcome contributions
Be proactive
Thank you
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