

Cutting Gordian's "End-User Focus" vs. "Privacy" Knot

KDE Academy 2024
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A  privact.org project together with  funded by  Prototype
Fund

The KDE Manifesto

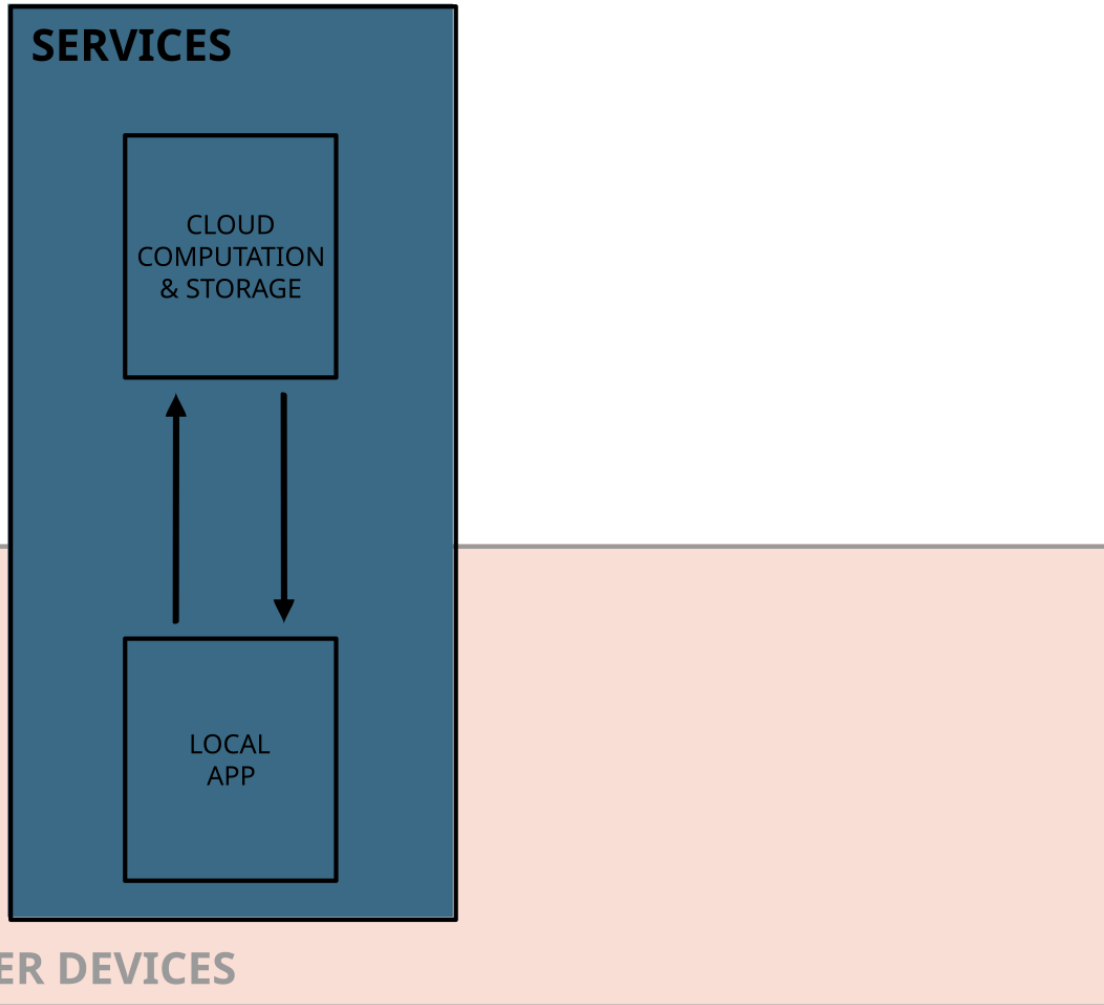
[...] End-User Focus to ensure our work is useful to all people.
[...]

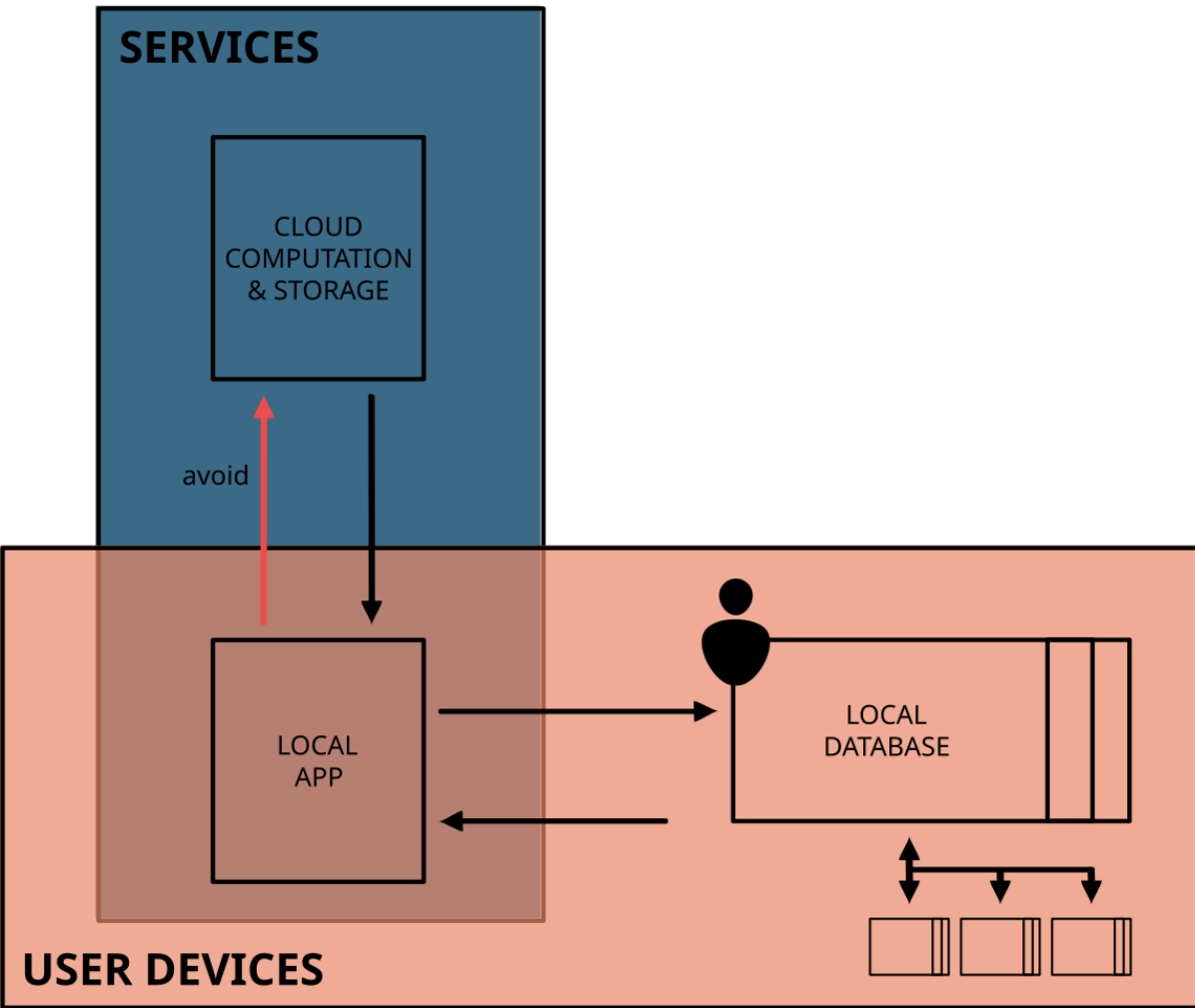
The KDE Vision

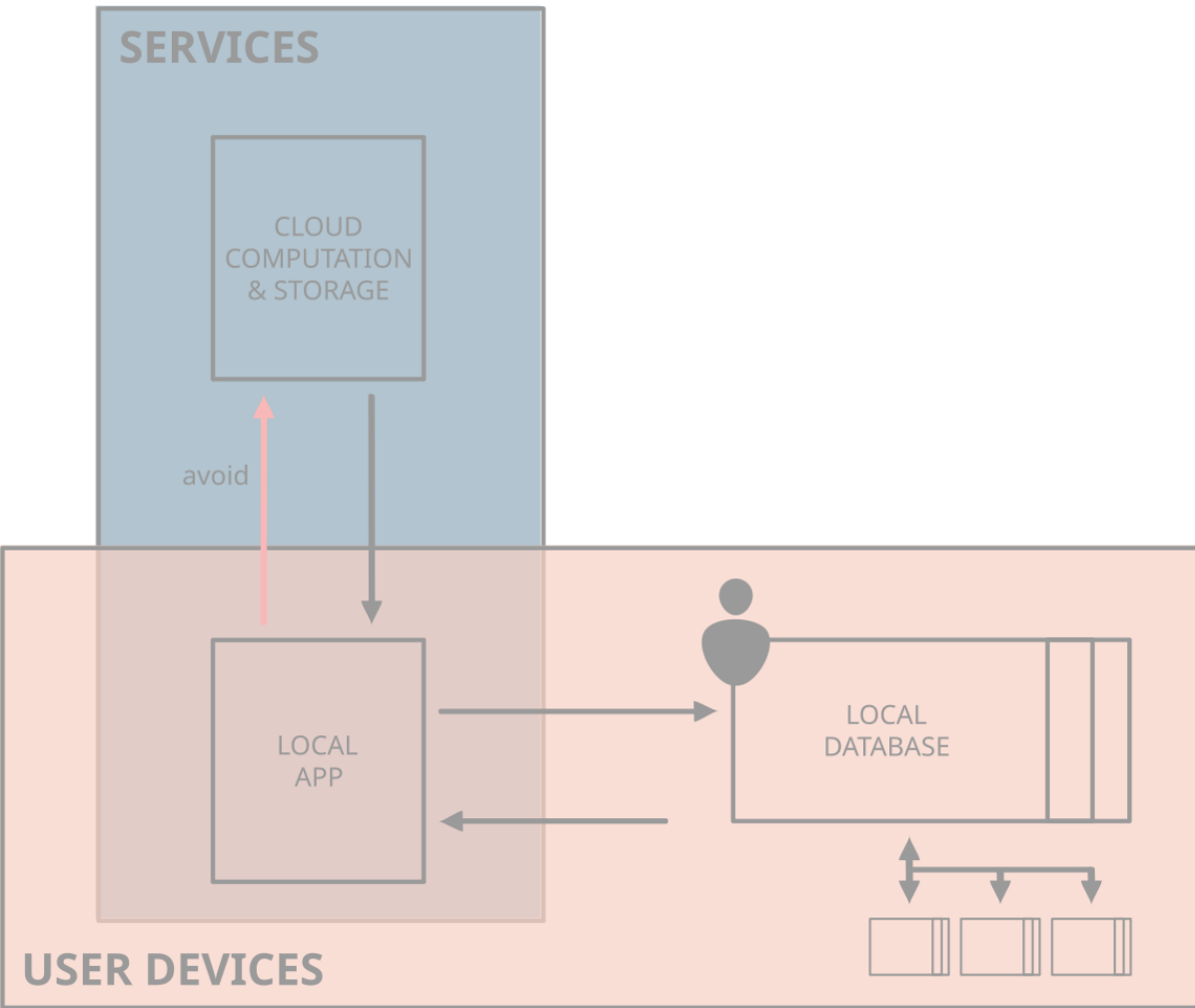
[...] Privacy: In a world where our privacy is increasingly threatened, we wanted to emphasize its importance. Freedom without the right to privacy is no freedom at all. [...]

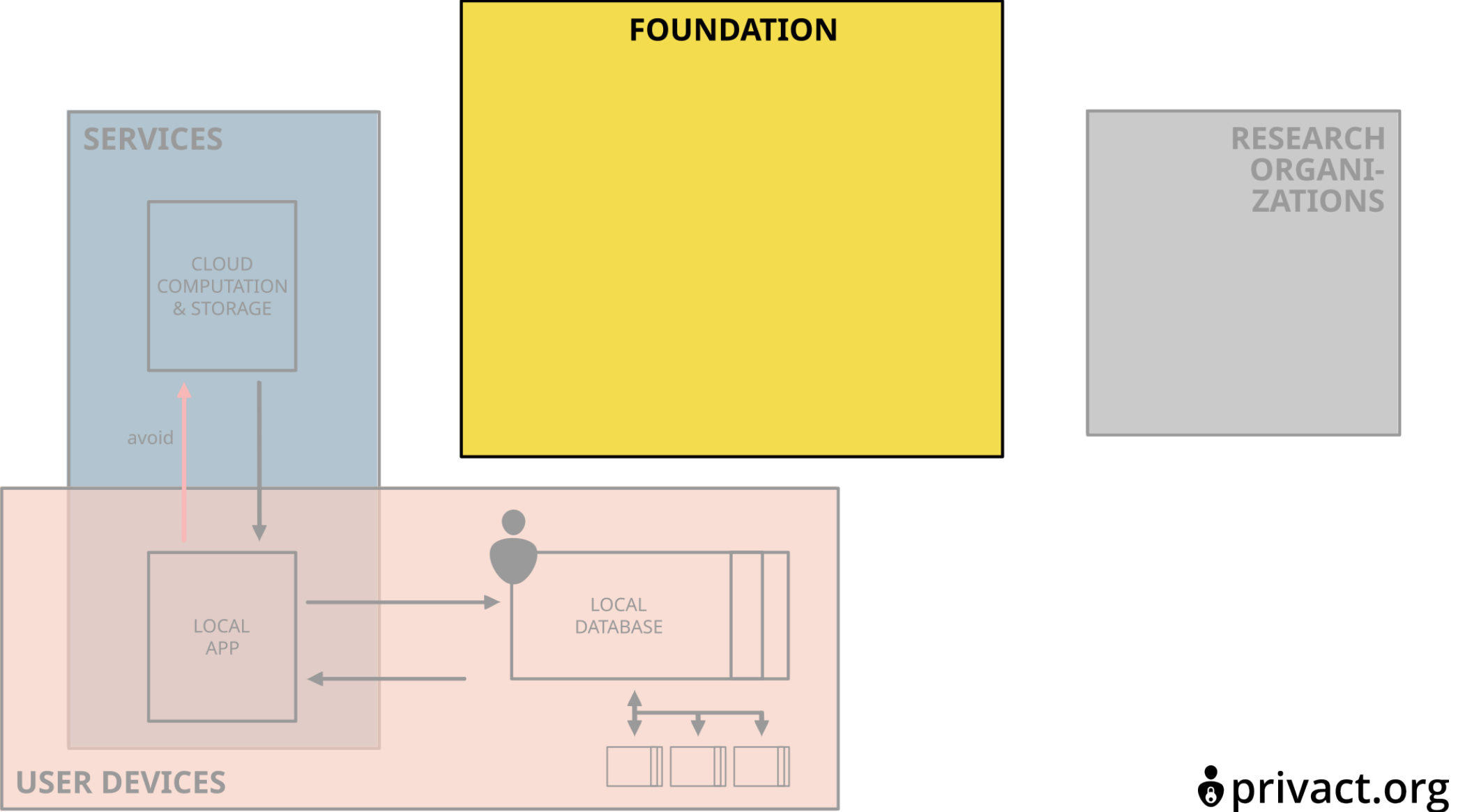


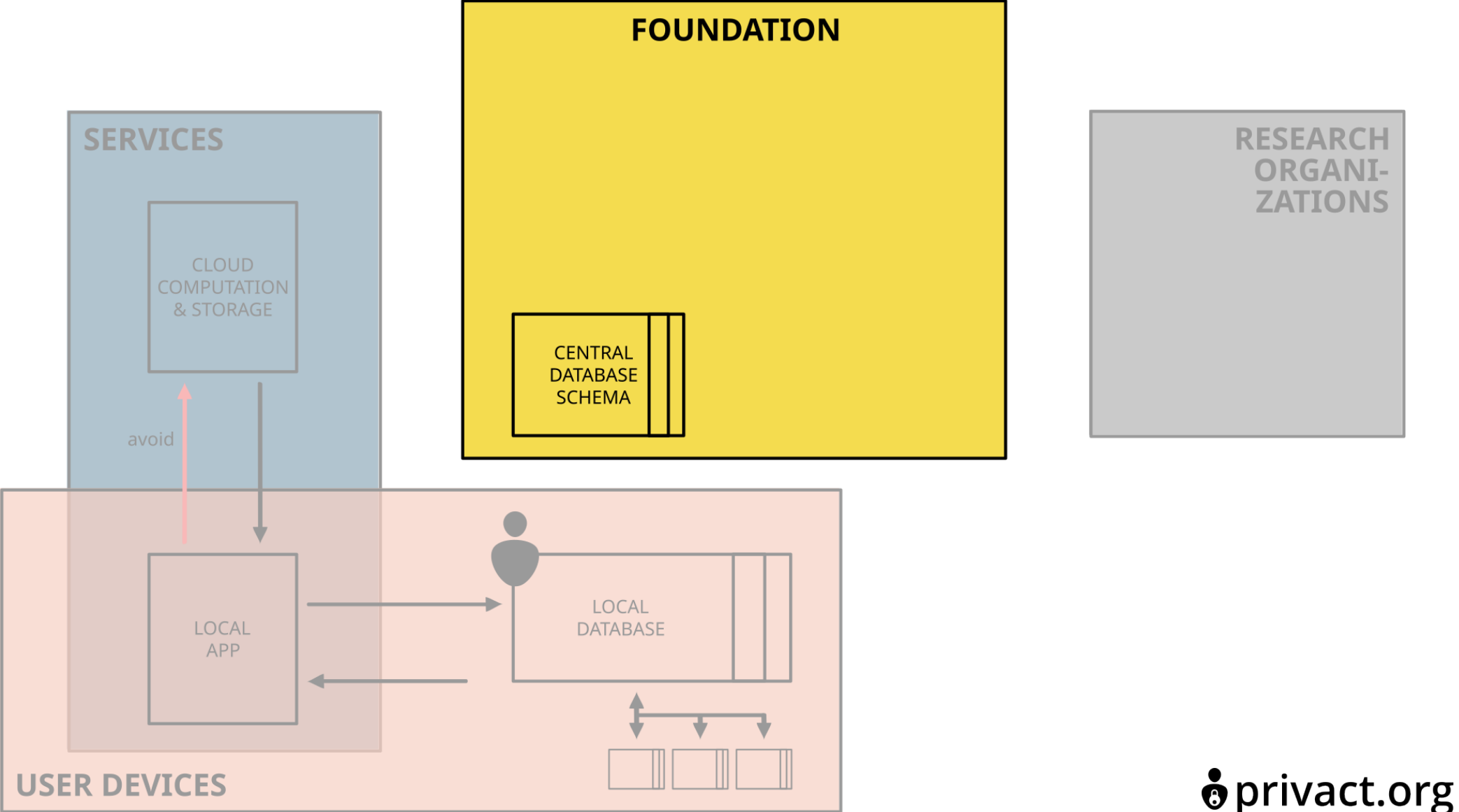
USER DEVICES

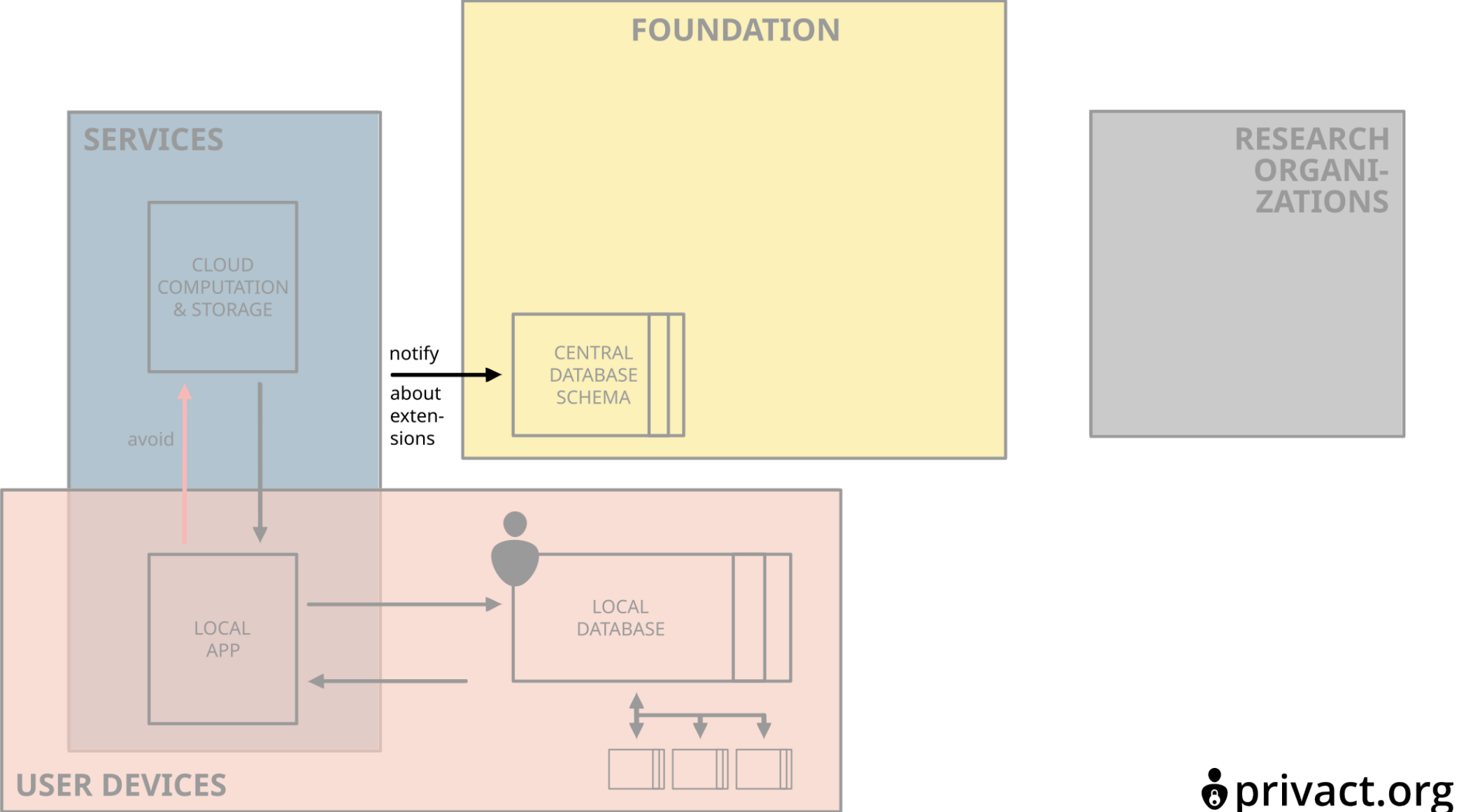


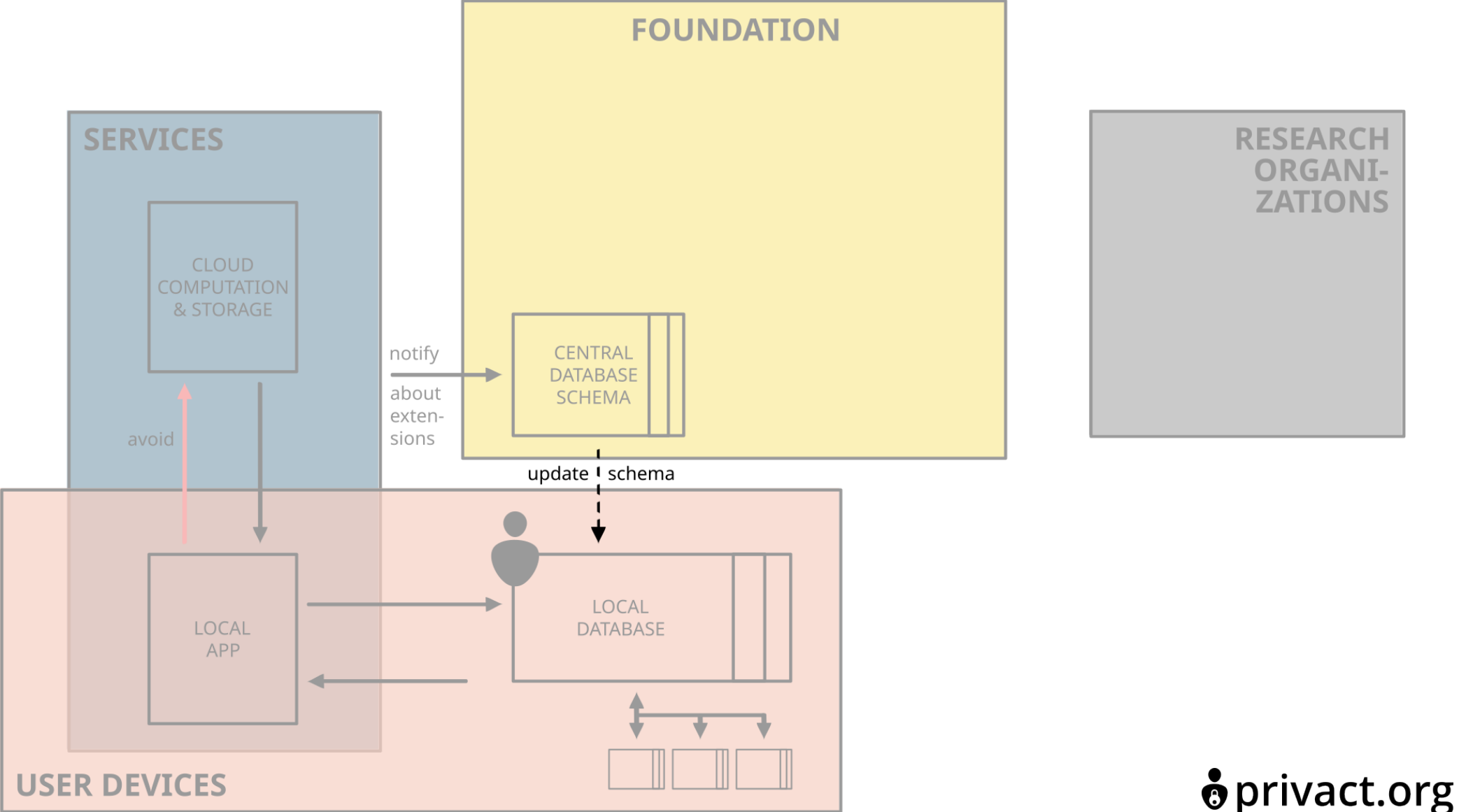


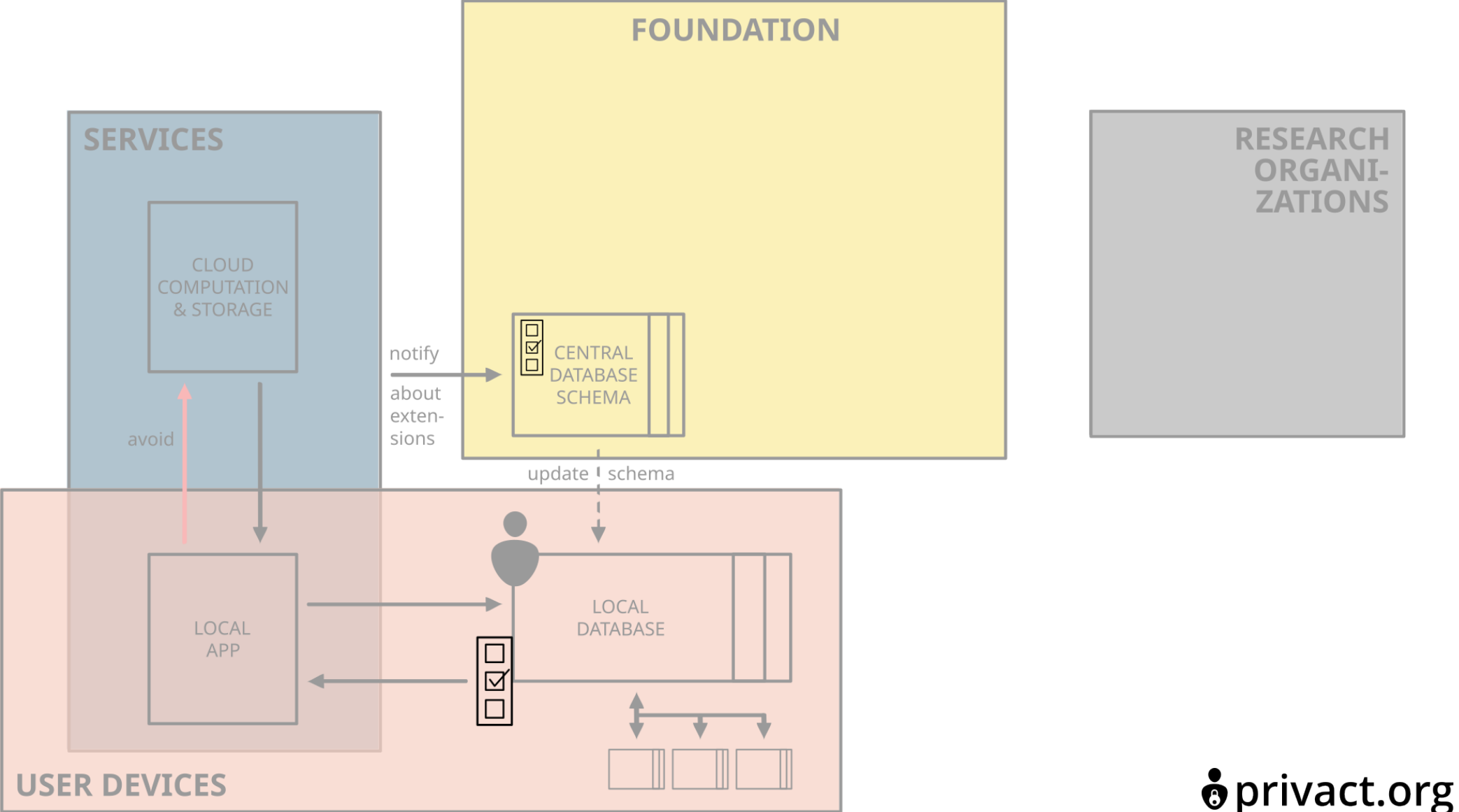


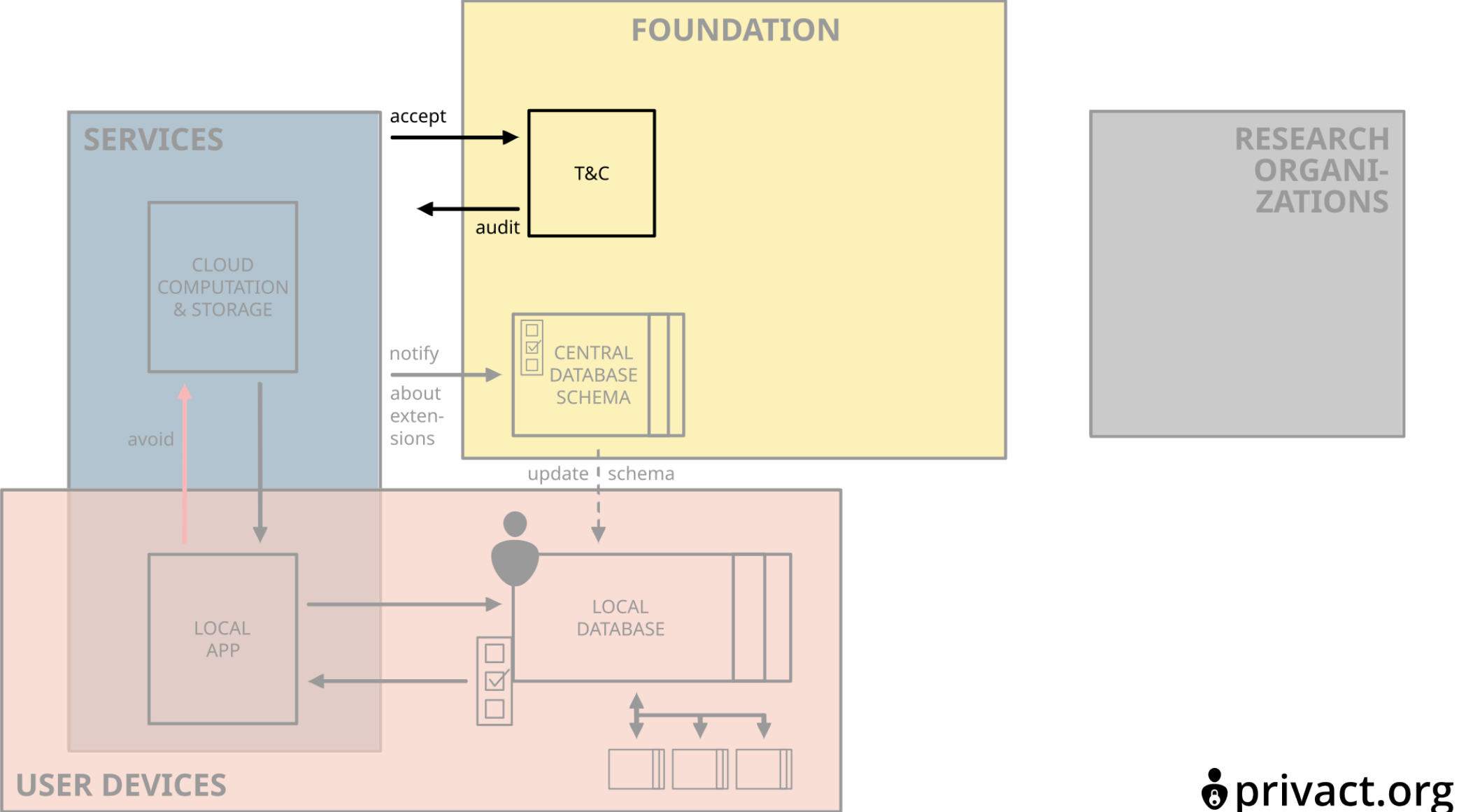


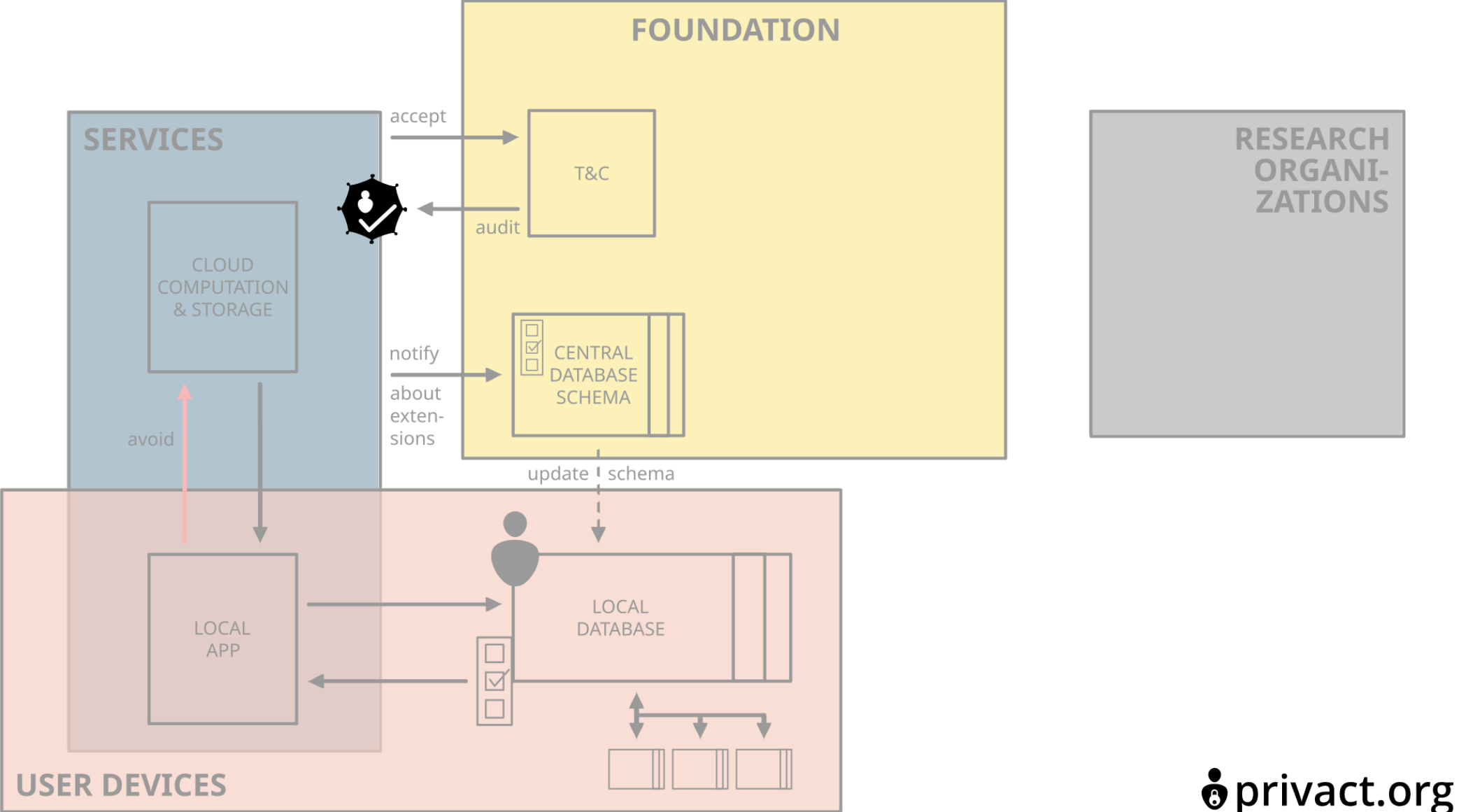


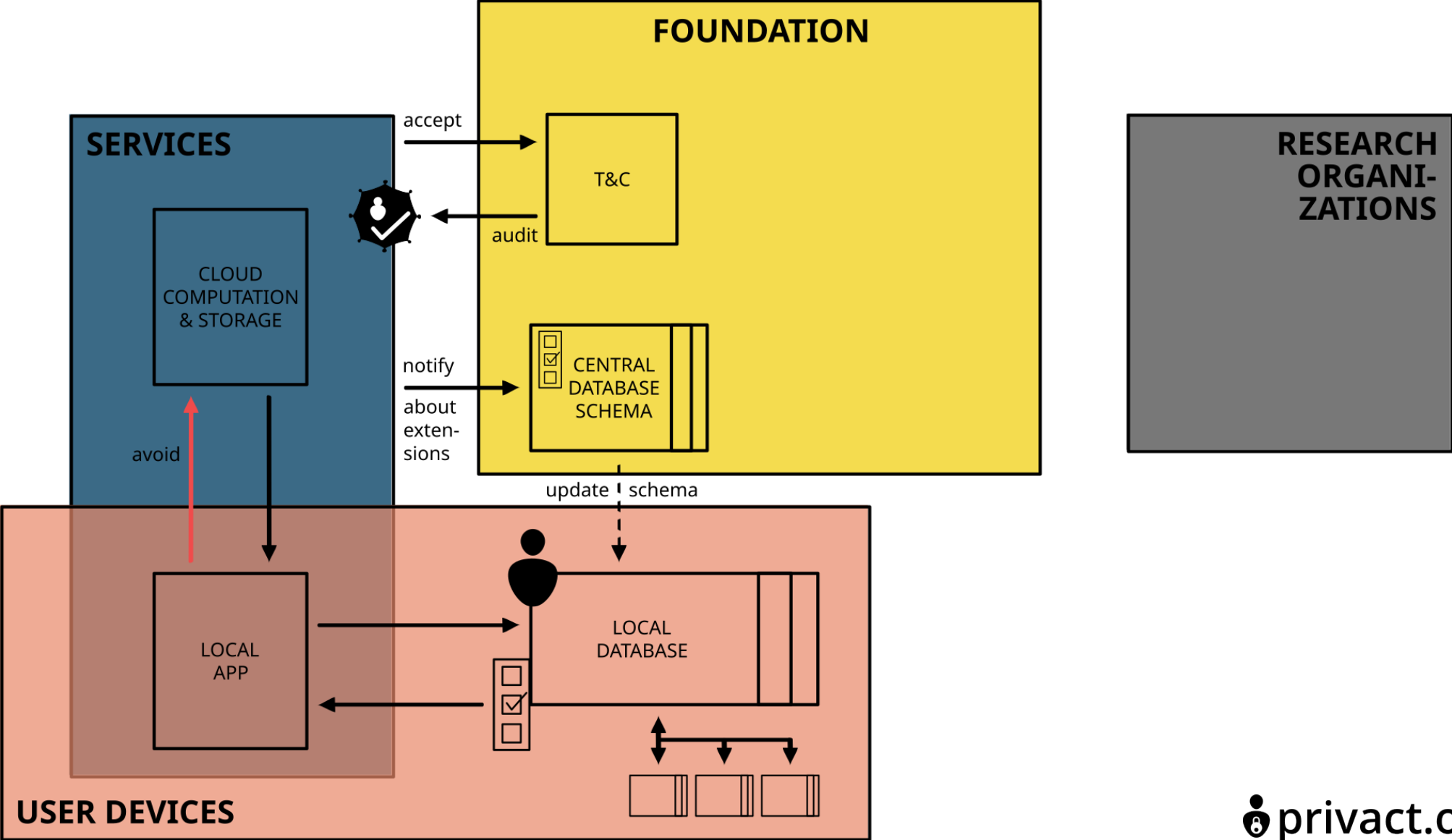


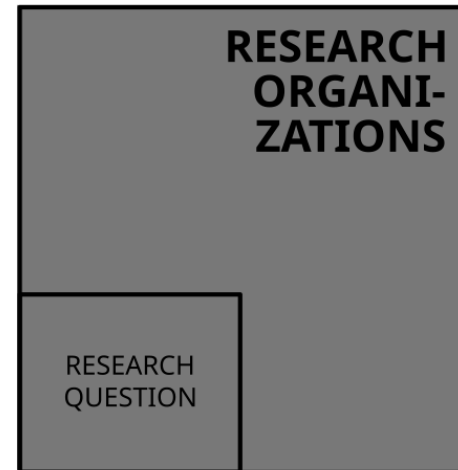
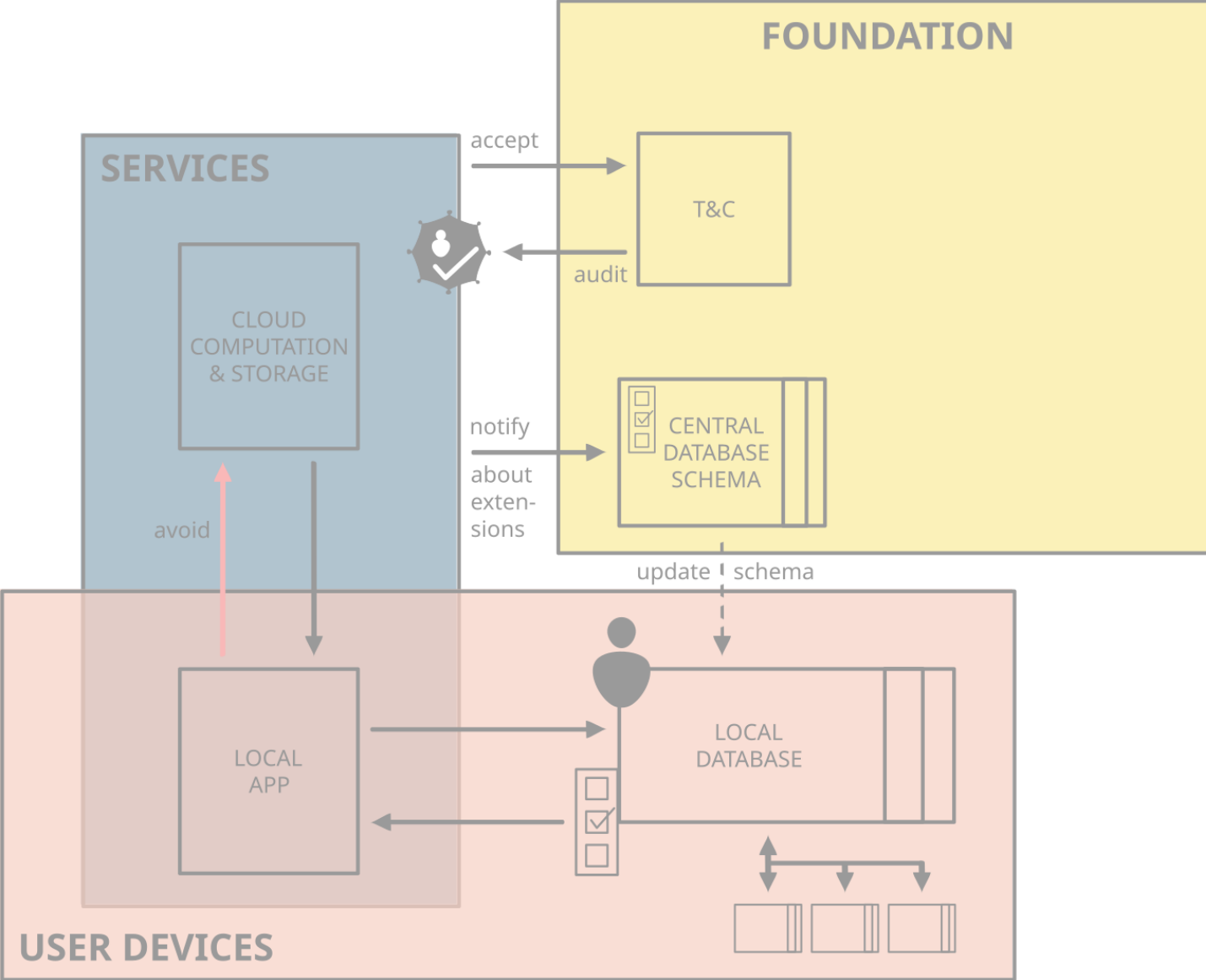


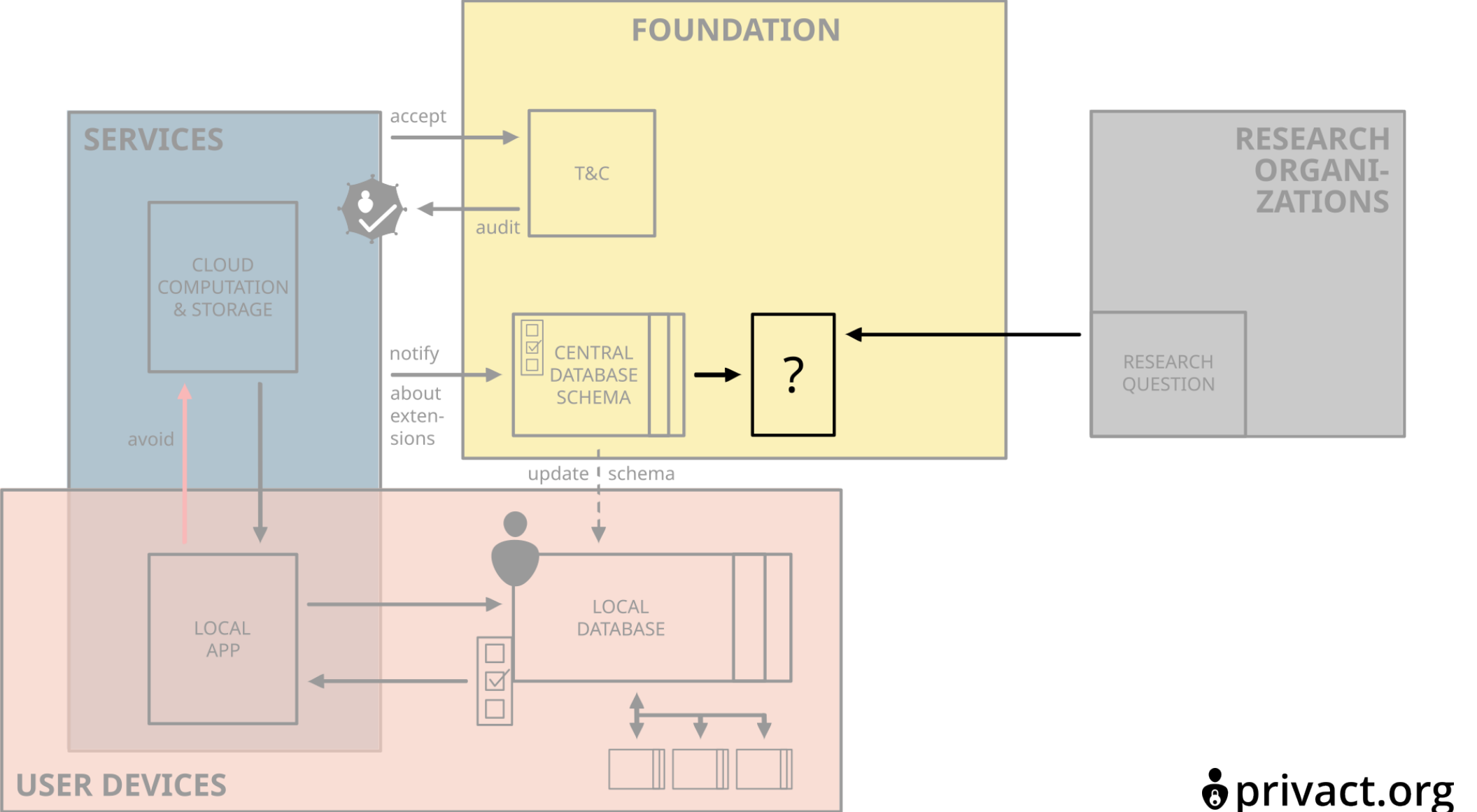


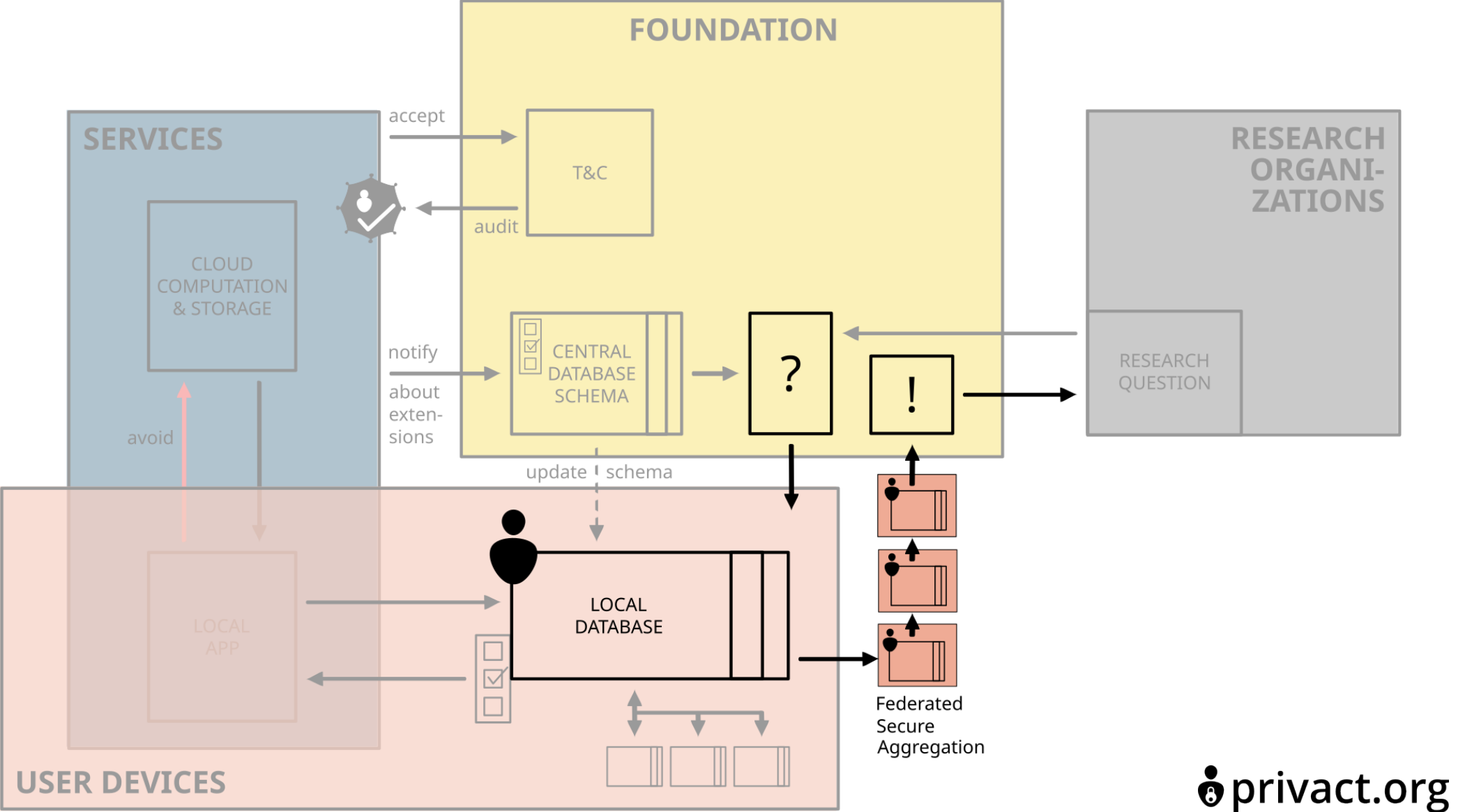


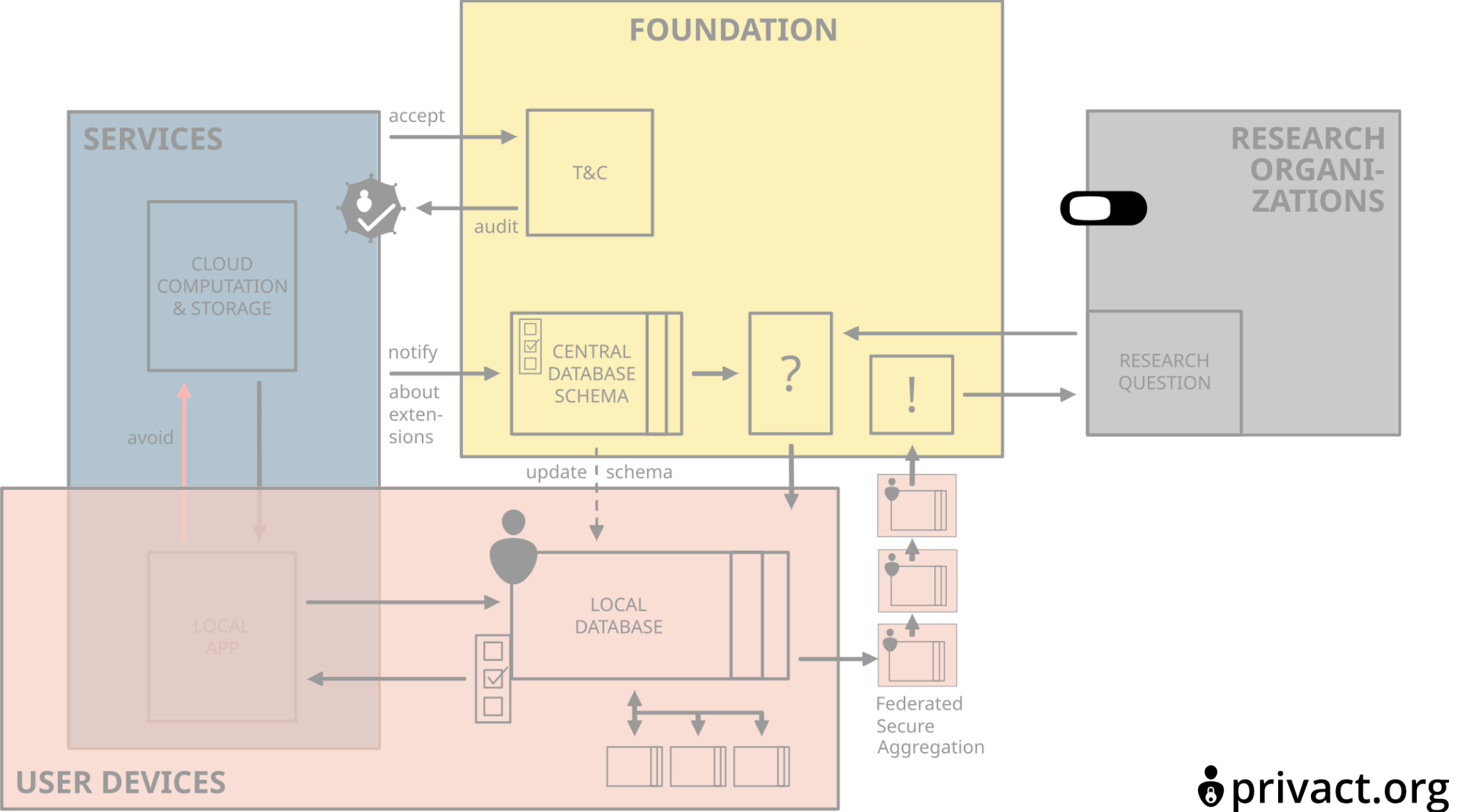


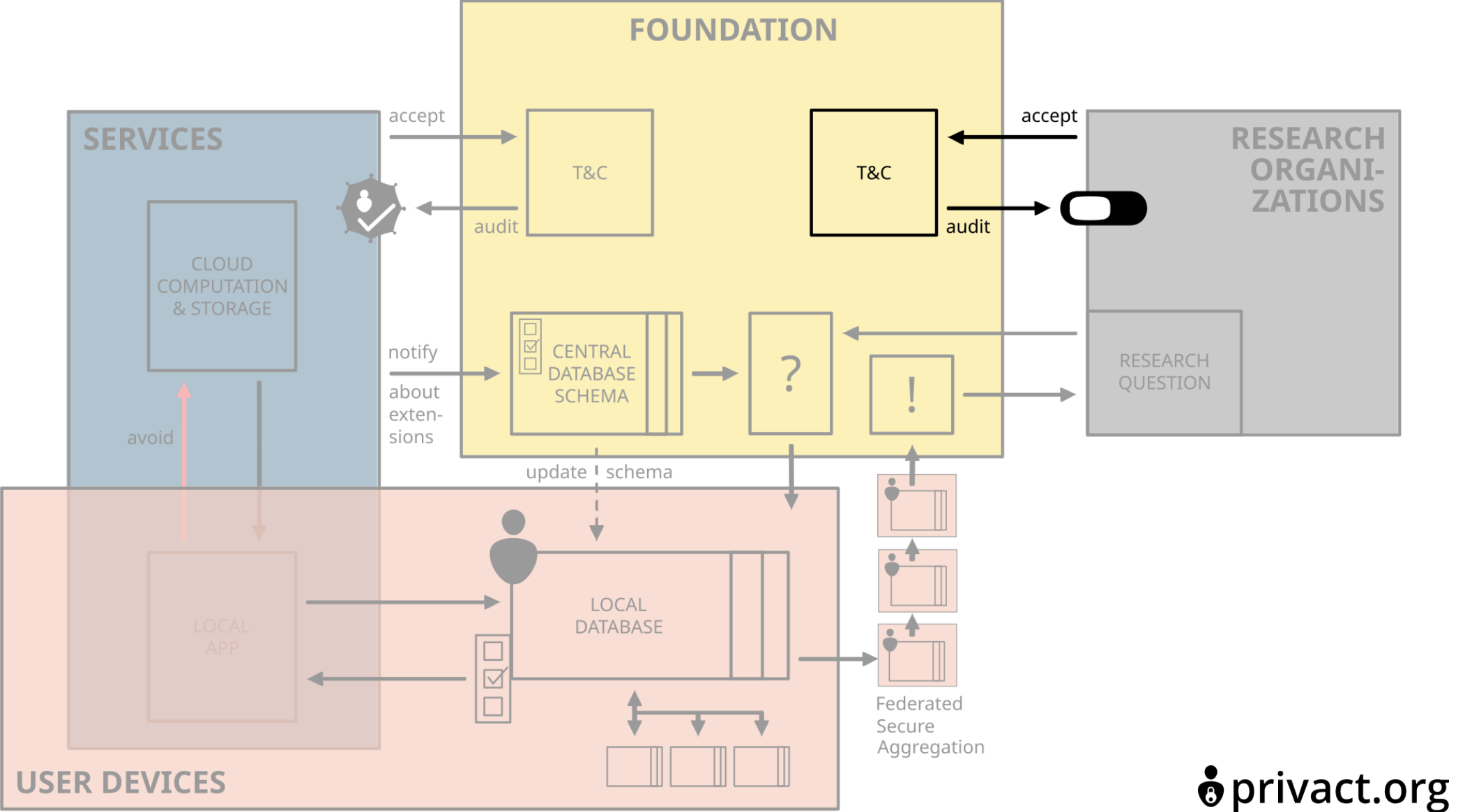


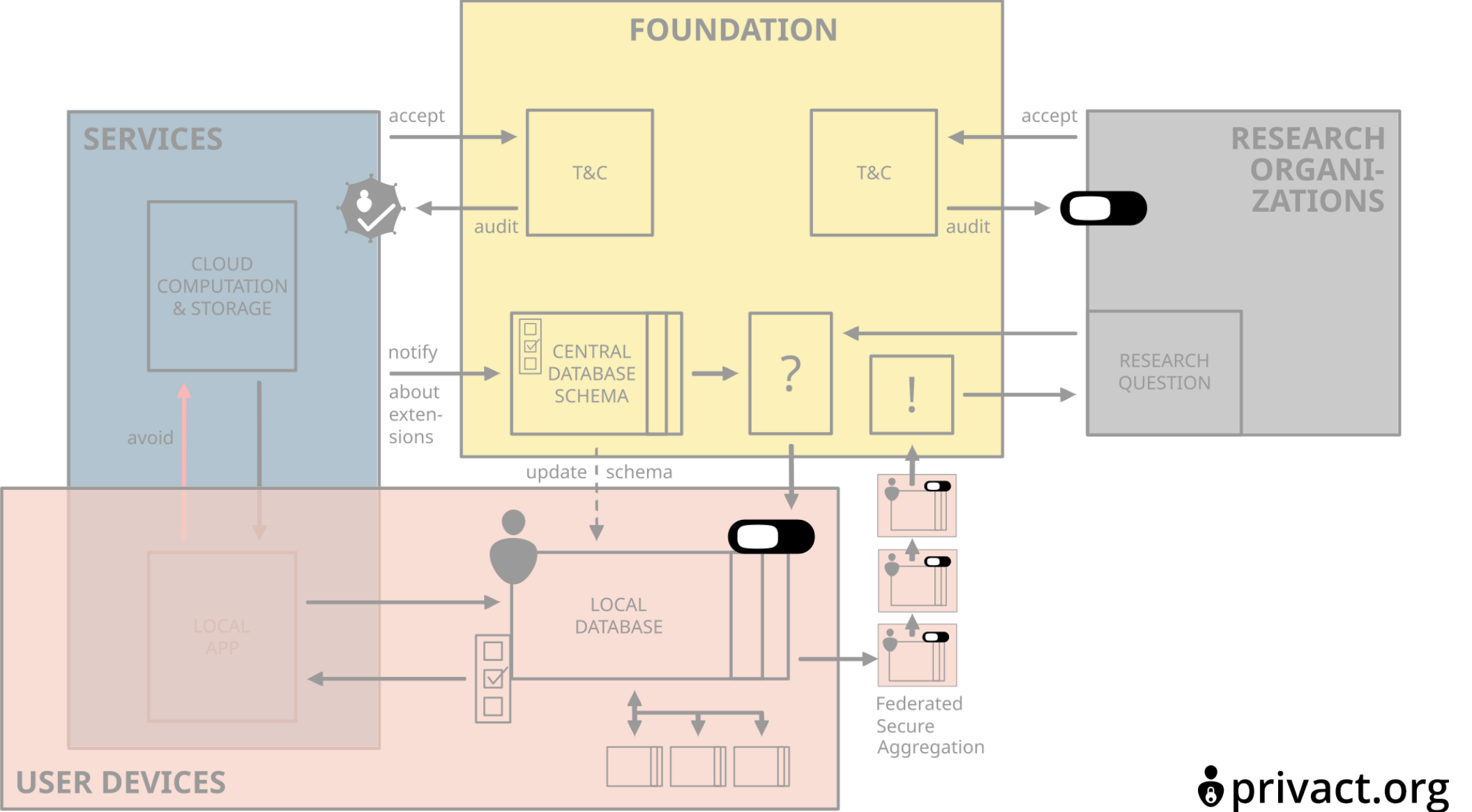




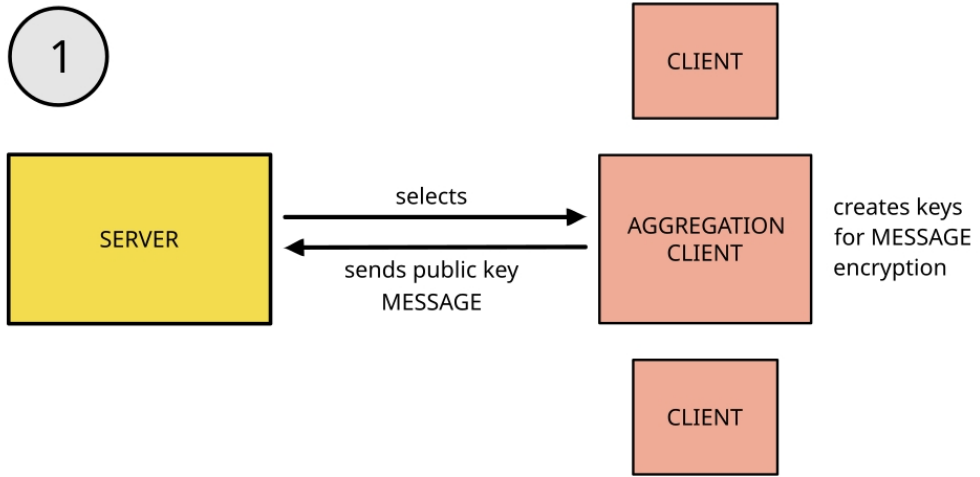


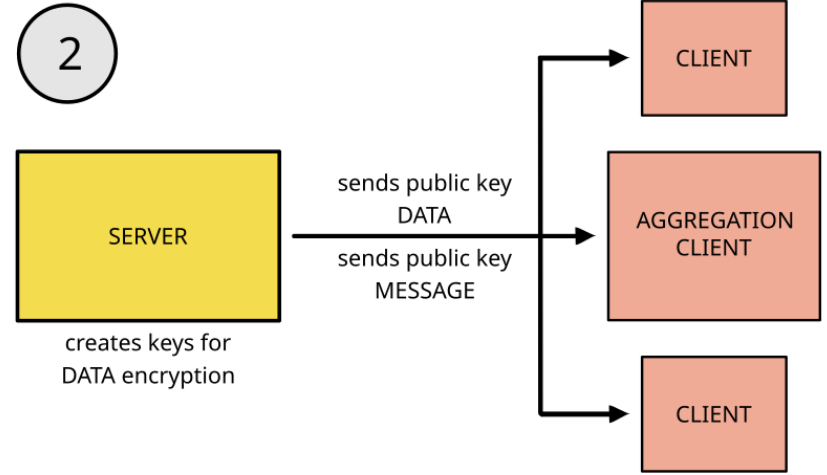
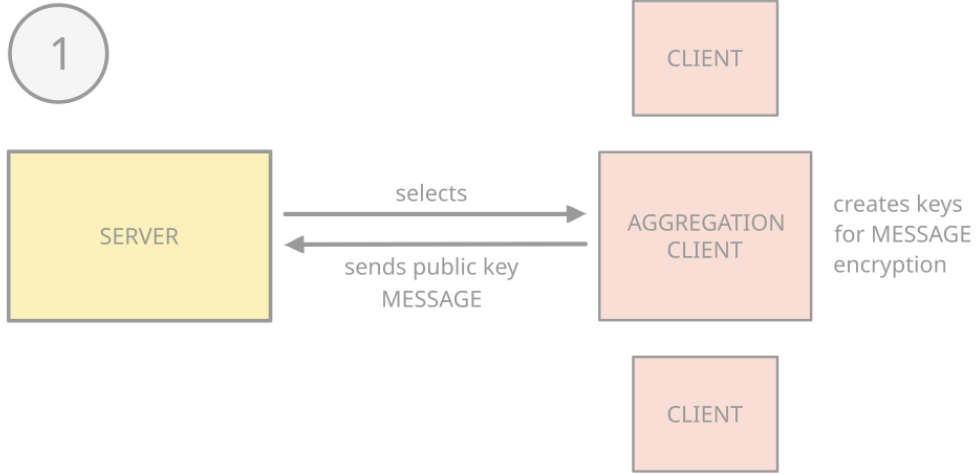




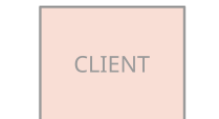
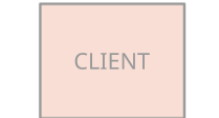
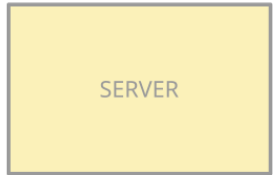


1



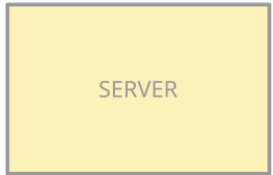


1

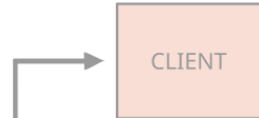


creates keys for MESSAGE encryption

2

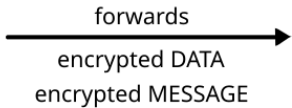
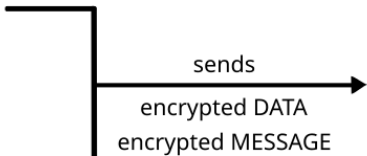


creates keys for DATA encryption



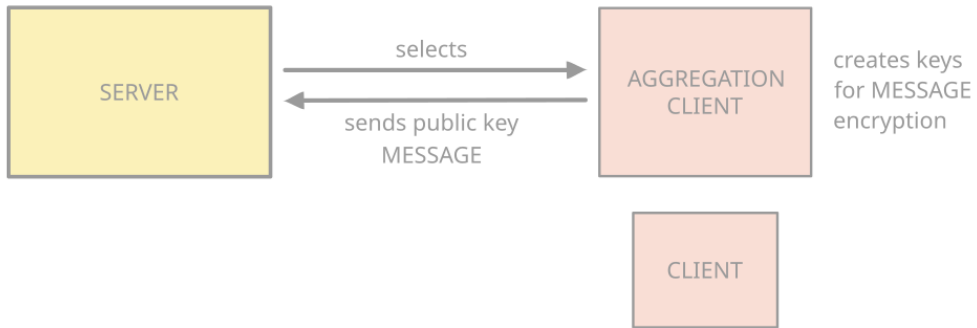
3

encrypt DATA using Paillier cryptosystem
encrypt MESSAGE using DH asymmetric cryptography

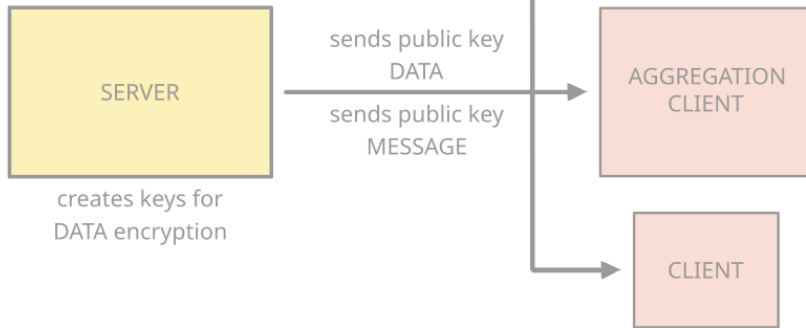


decrypts MESSAGE
aggregates encrypted DATA using Paillier cryptosystem

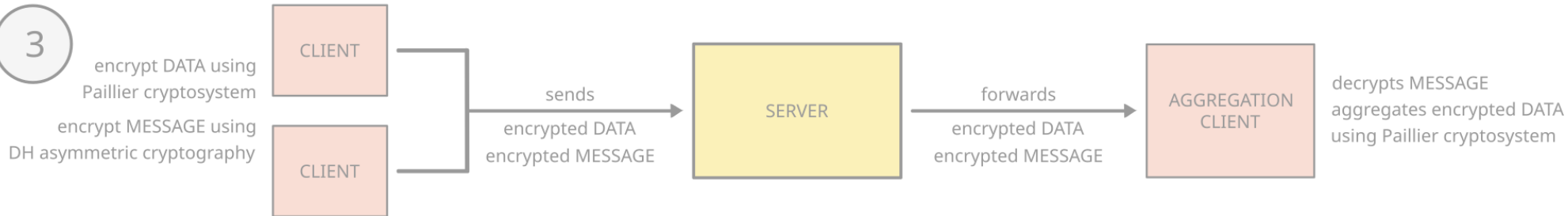
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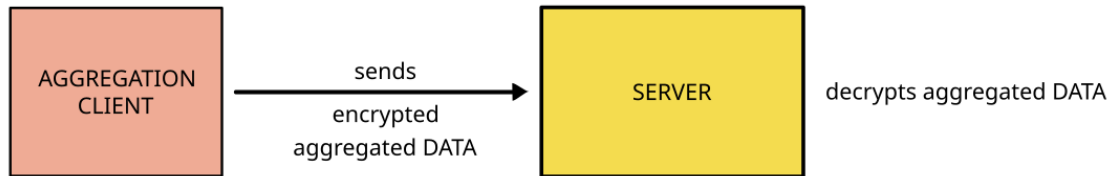
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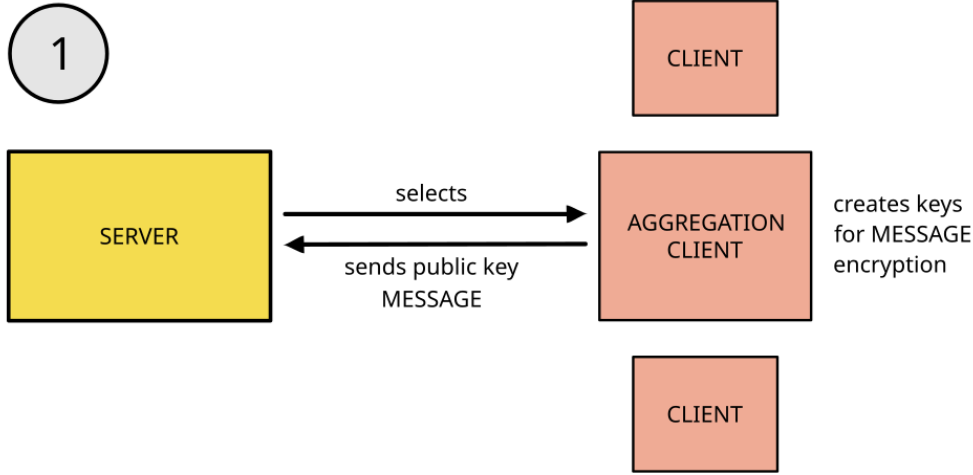
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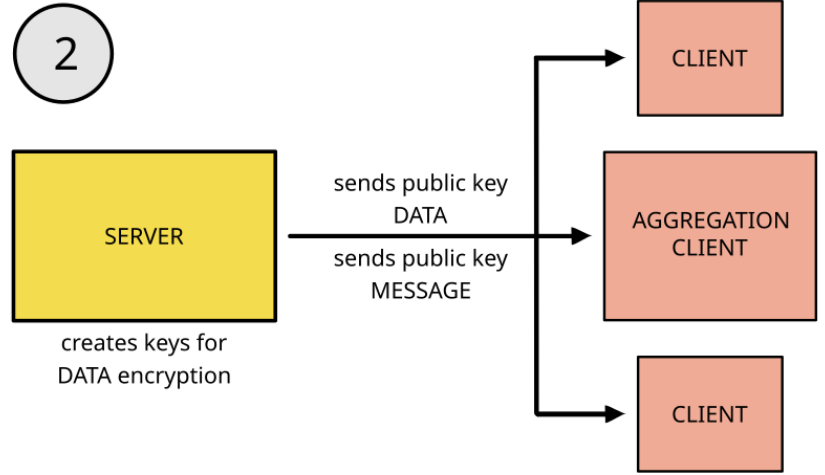
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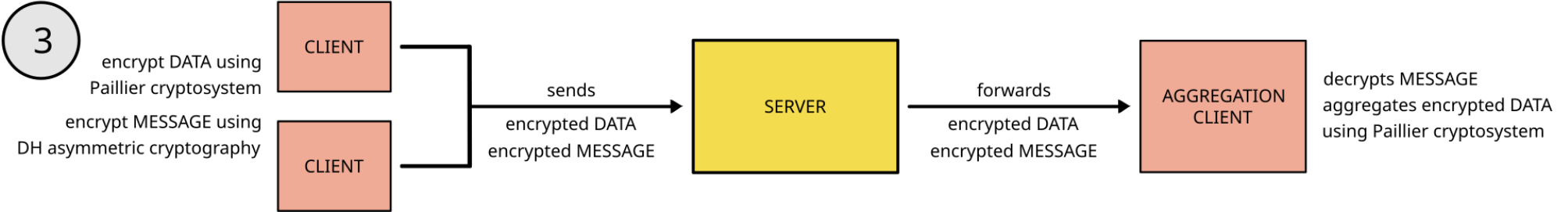
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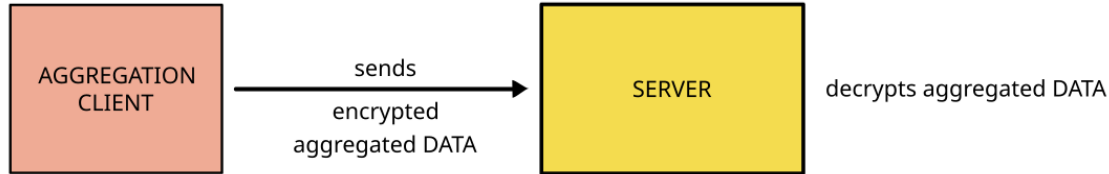
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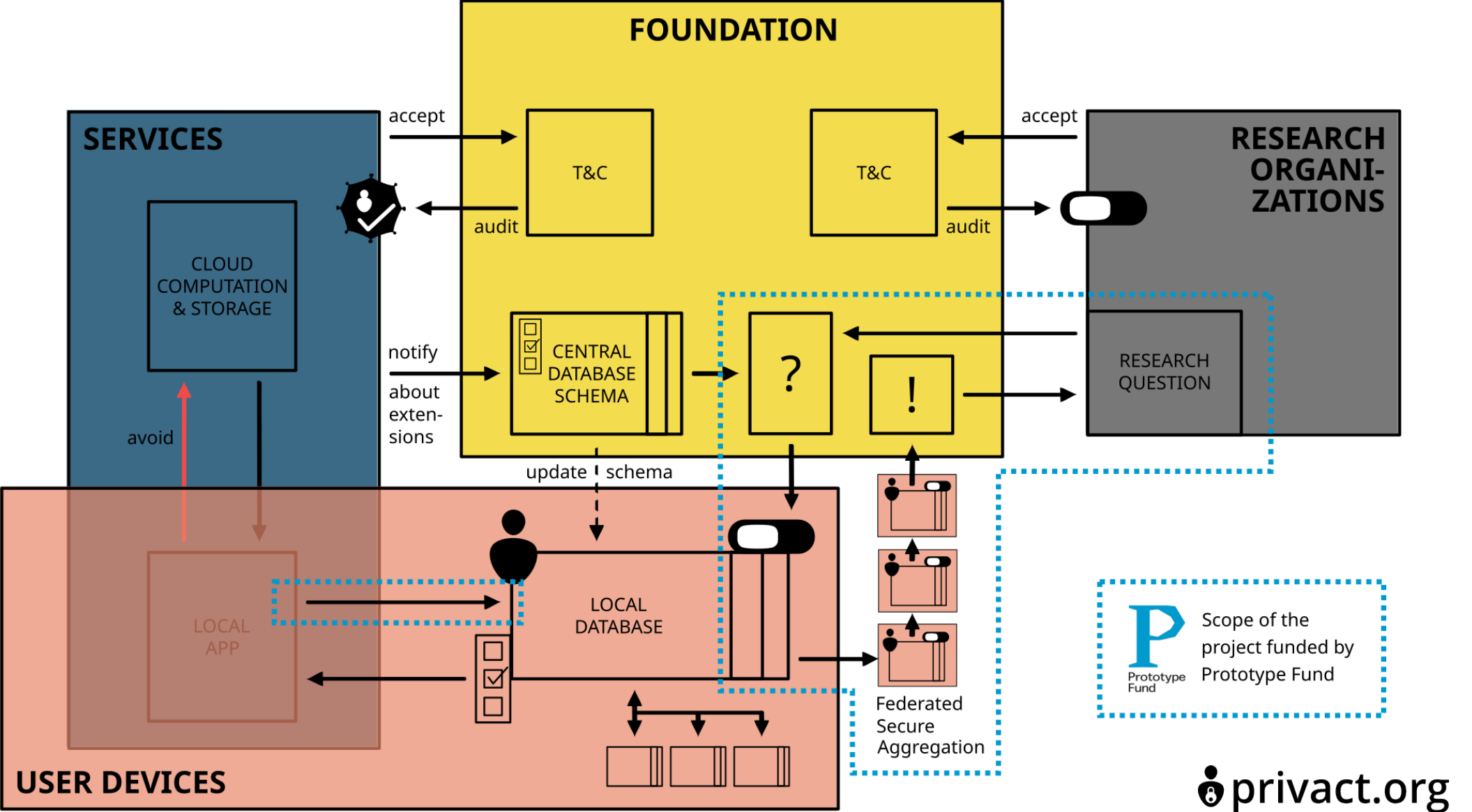


3



4





Next steps

1. Make it a product
2. KDE upstream
3. Open for other FLOSS
4. Establish Foundation
5. Open for commercial services
6. Save everyone's digital privacy

Thanks for your attention!

BoF Monday 11:00 and 14:00
with demo of the current state

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