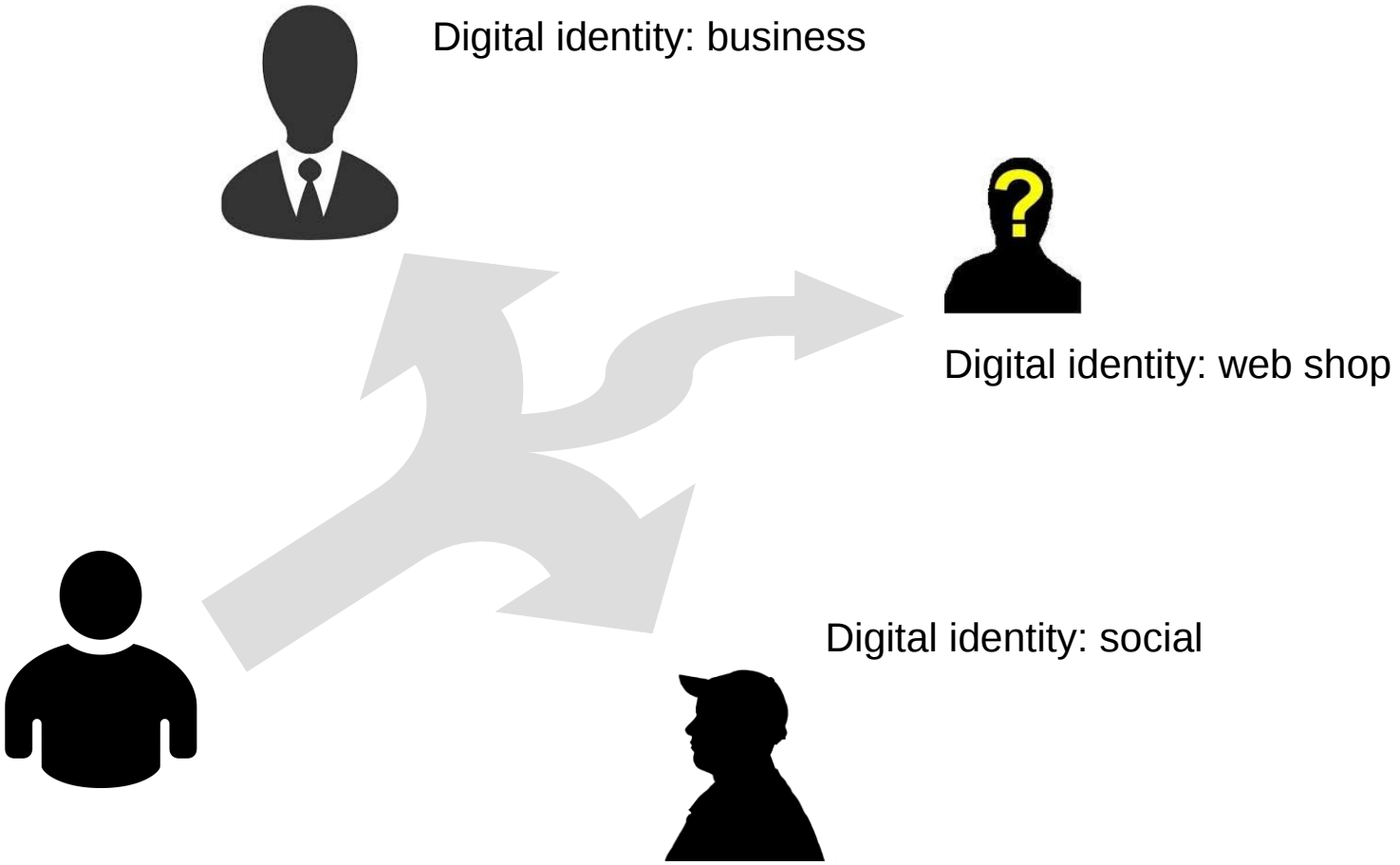
Rich Identity Provisioning

Agenda

- Introduction
- Research questions
- Related work
- RIP architecture
- Open source components
- Conclusion

Rich Identity Provisioning introduction: trigger



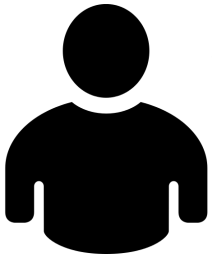
Rich Identity Provisioning introduction: trigger

Digital identity: business

- colleagues
- business card

Digital identity: web shop

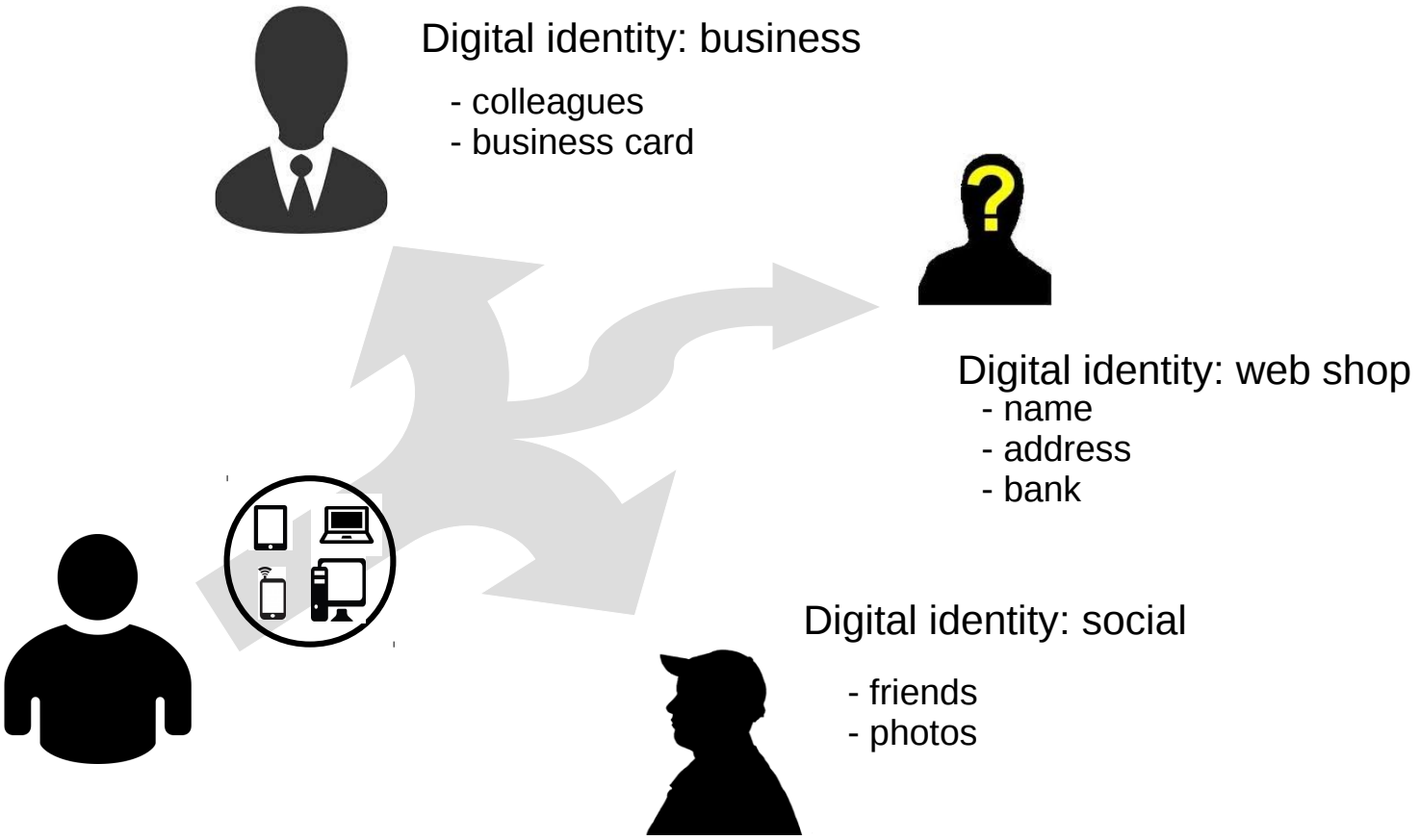
- name
- address
- bank



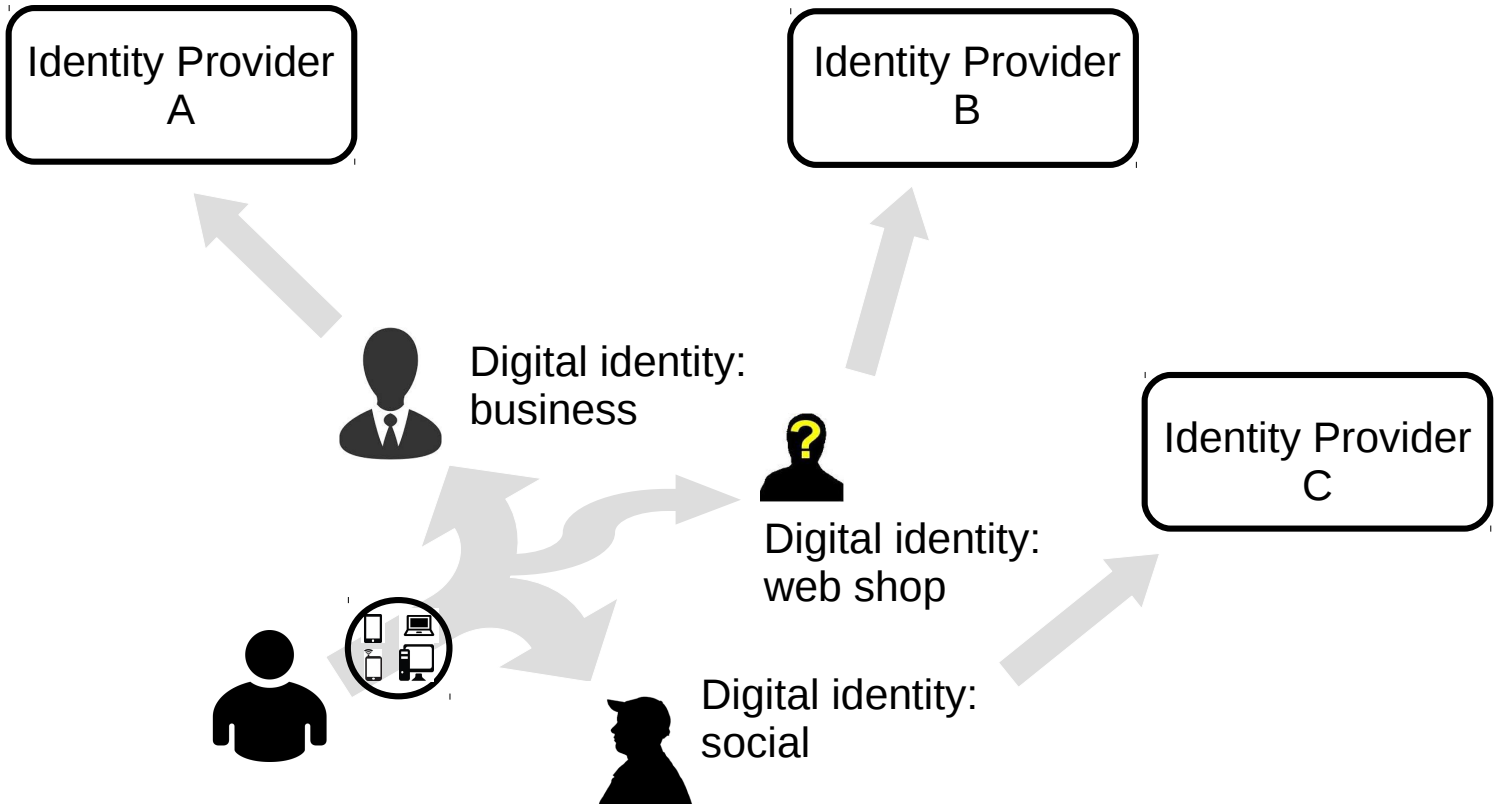
Digital identity: social

- friends
- photos

Rich Identity Provisioning introduction: trigger



Rich Identity Provisioning introduction: trigger



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Research Questions

1. *What architecture fits best to a user-centric identity provisioning system regarding Web access?*

2. *What open source components fit into such a system?*

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Related work

Reports on issues regarding Identity provisioning

- User-centric :Data-store architecture
- Security :Trusted module (SmartCard)
- Privacy :Cross-layer privacy

Project:

- Global architecture ⇨ answer research questions

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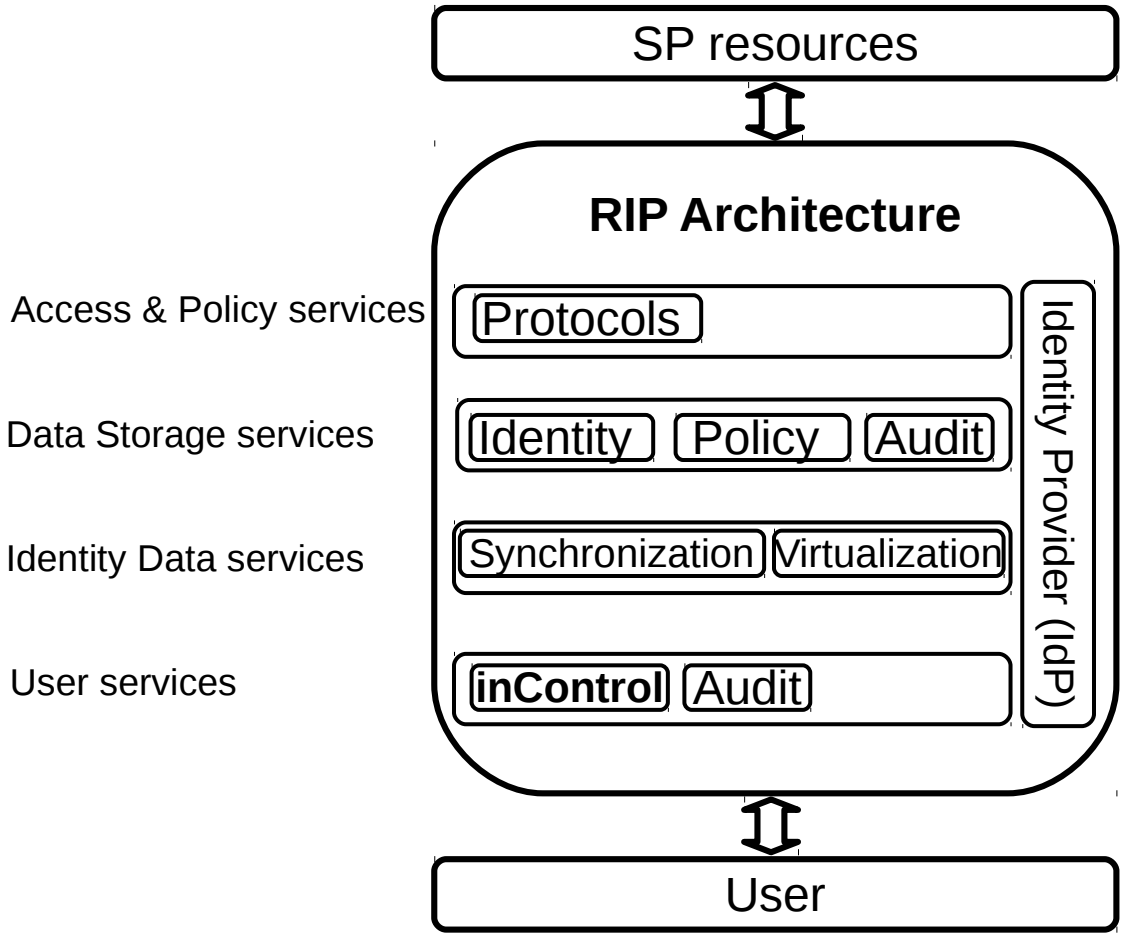
RIP Architecture



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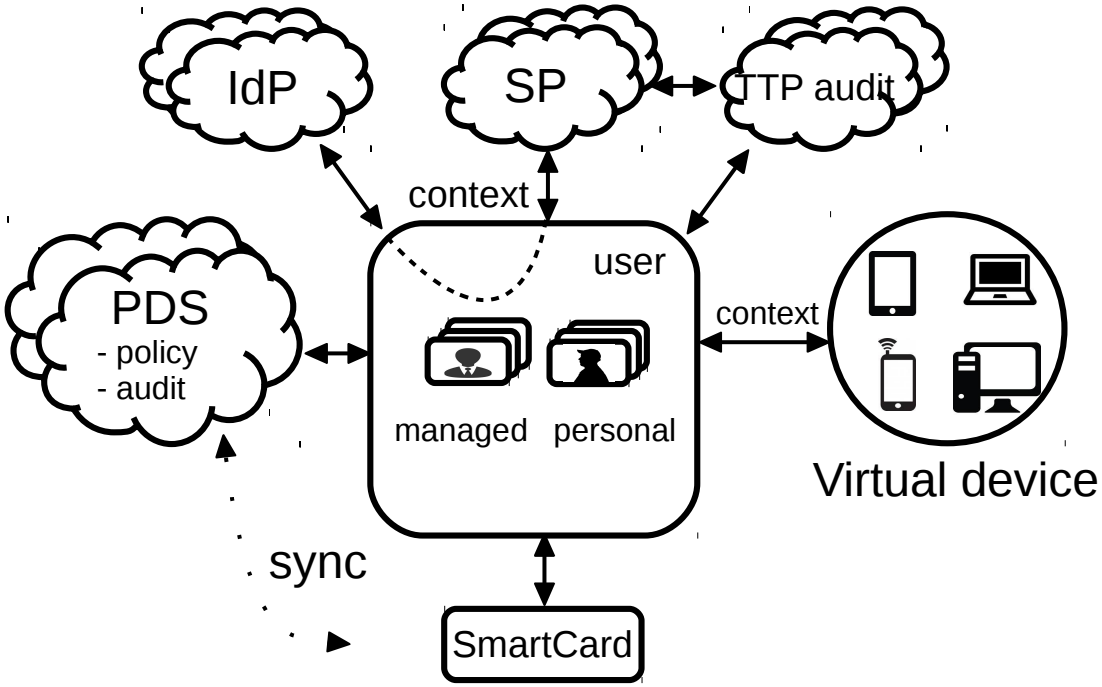
RIP Architecture



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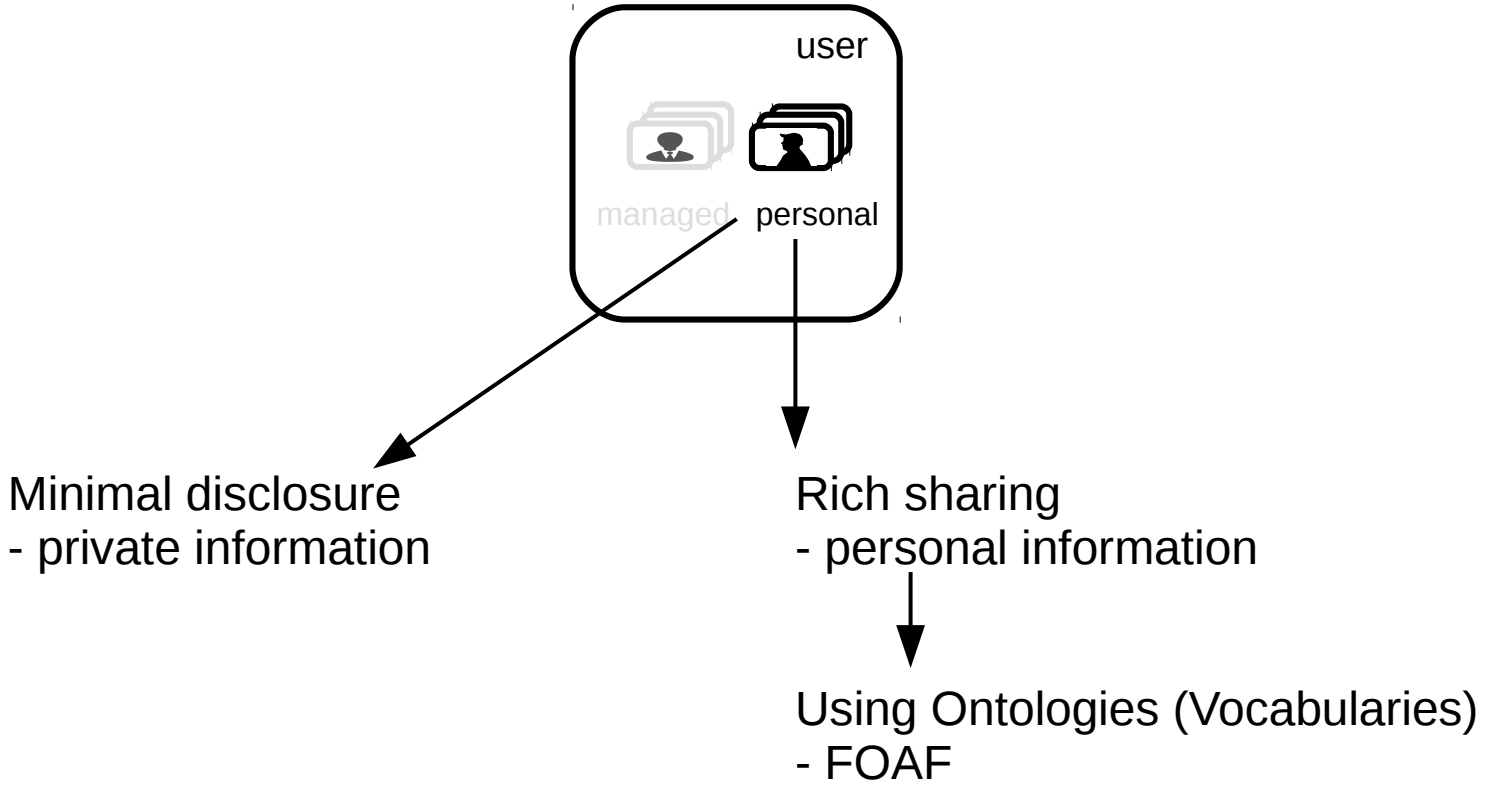
RIP Architecture



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Open source components

Implementation	Identifier used	Minimal Disclosure	Rich Sharing
BrowserID	e-mail address	√	
SQRL	site-specific key	√	
TiQR	QR code	√	
U-prove	key	√	
OpenID	URI	√	
WebFinger	e-mail address		√
WebID	URI		√

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Conclusion

RIP Architecture fits to a user-centric identity provisioning system
- User controls personal digital identities
- IdP selection context-based

Open source components that fit into the architecture
- Minimal disclosure
- Rich sharing

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