Personalized and privacy-aware route planning with Solid

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What do we need to create a personalized route planning experience?
We need data about mobility…

Preferences

Subscriptions

Requirements
How can these data be shared and consumed with privacy in mind?
Solid (Social Linked Data)
The Solid ecosystem enables you to use the apps you need, while storing your data wherever you want.

You own your data, and share it with the apps and people you choose.
Solid is about data decentralization

**Centralized Web applications**
- Facebook
  - my contact list 1
  - my pictures 1
  - my agenda 1
- LinkedIn
  - my contact list 2
  - multiple data silos
- Doodle
  - my agenda 2

**Decentralized Web applications**
- photo gallery
- social feed
- meeting scheduler
- my agenda
  - my pictures
  - personal data pod
- my contact list
The traditional way of building apps does not work well with decentralization.
Decentralized apps require ubiquitous data access
Solid defines a standard-based architecture to enable ubiquitous data access

- Data representation - **RDF**
- Universal identifiers - **WebID**
- Security and authentication - **WebID-TLS**
- Data access interfaces - **Linked Data Platform**

See Solid spec for more information: [https://github.com/solid/solid#standards-used](https://github.com/solid/solid#standards-used)
A first attempt on route planning with decentralized mobility profiles - [http://configuroute.be/](http://configuroute.be/)
We are teaming up with De Lijn to build personalized and privacy-aware route planning applications.
Solid provides the framework for creating decentralized and privacy-aware route planning applications
Yet standardized ways to model and describe personal mobility are still needed
Personalized and privacy-aware route planning with Solid

Thank you!

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