Making the World Safe for User-Managed Access

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Privacy is not about secrecy

The goal of a flexible, user-centric identity management infrastructure must be to allow the user to quickly determine what information will be revealed to which parties and for what purposes, how trustworthy those parties are and how they will handle the information, and what the consequences of sharing their information will be"

 Ann Cavoukian, Information and Privacy Commissioner of Ontario, <u>Privacy in the Clouds</u> paper



It's about context, control, choice, and respect

personal datastores vendor relationship management volunteered personal information

policy decision-making

privacy

informational digital

Self
determination

management

user centricity differentiated app behavior based on permissioned data sharing

data
portability

online the "Open social Stack"
networking

the "Connect" phenomenon

intentional vs. behaviorial data

digital shadow cruft

digital footprint dashboard

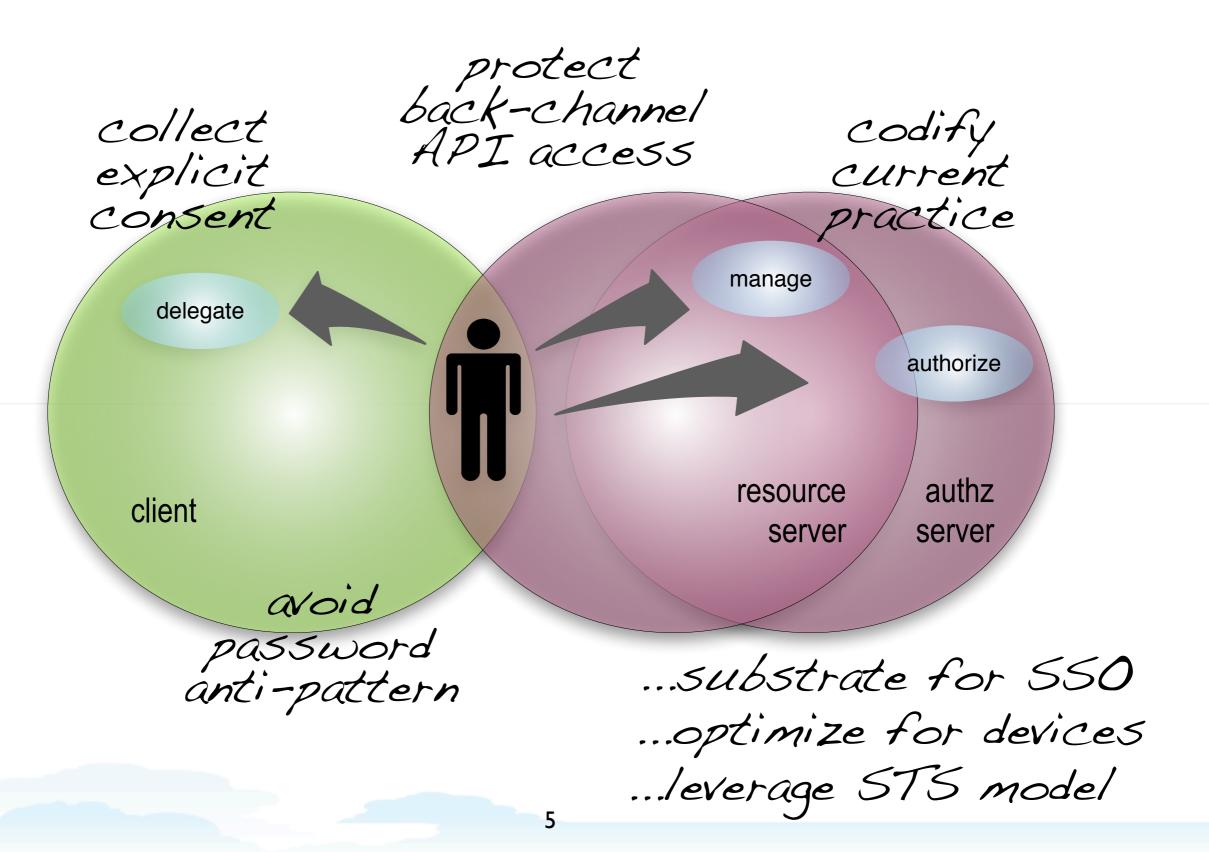


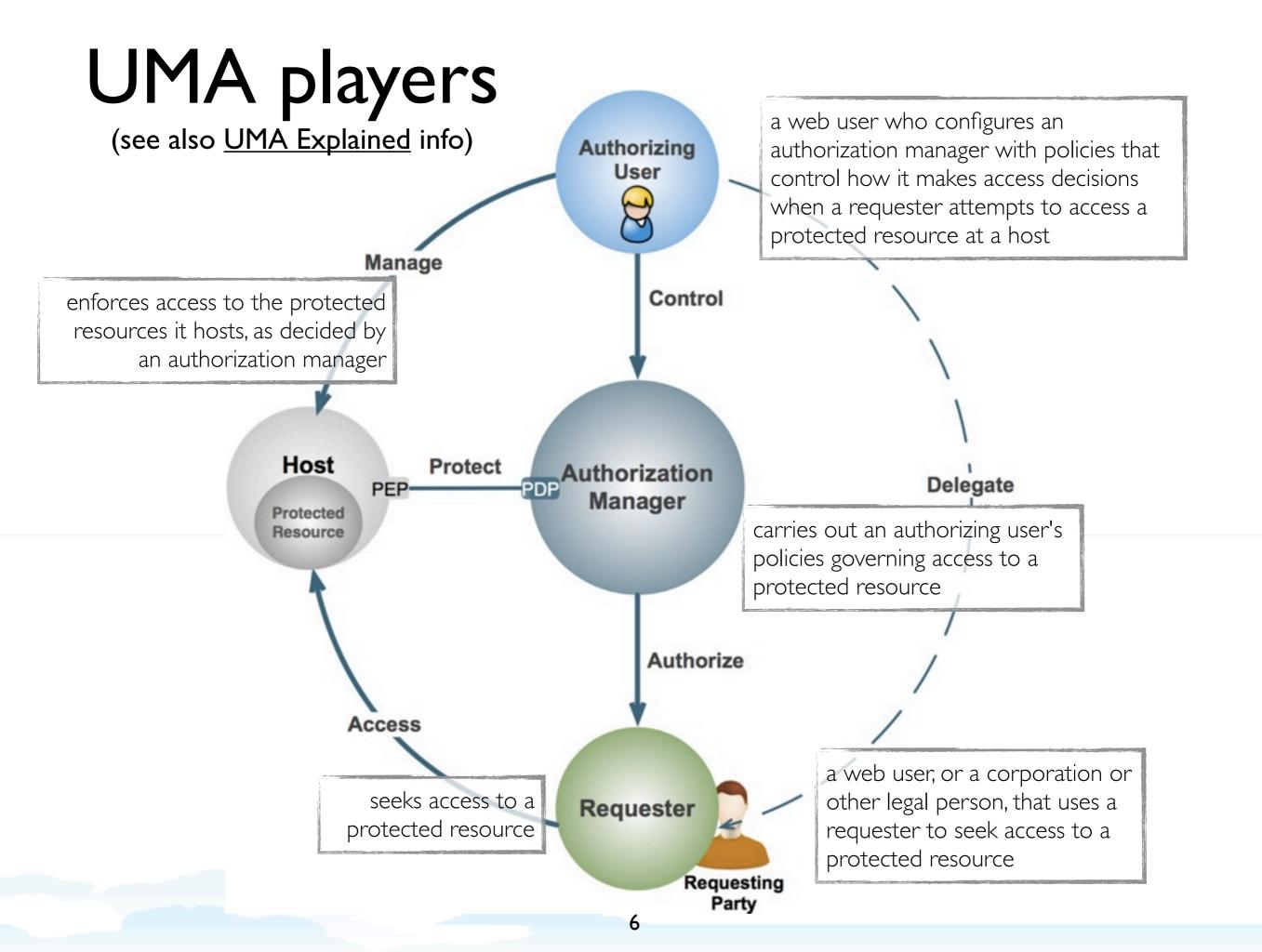
UMA is...



- A web protocol that lets you control authorization of data sharing and service access made on your behalf
- A Work Group of the <u>Kantara Initiative</u> that is free for anyone to <u>join</u> and contribute to
- A <u>set</u> of draft specifications that is free for anyone to implement
- Undergoing multiple <u>implementation</u> efforts
- Slated to be contributed to the IETF
- <u>Striving</u> to be simple, OAuth-based, identifier-agnostic, RESTful, modular, generative, and developed rapidly

OAuth themes



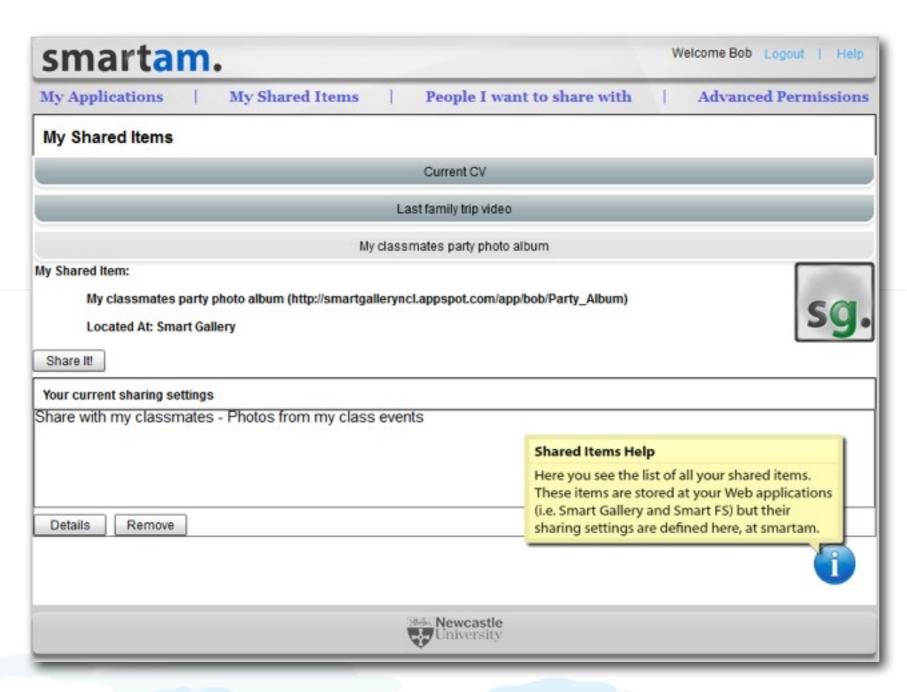


Sample scenarios

(see also scenarios and use cases doc) berson to service Financial Risk Sharing a calendar with Central credit information both vendors and friends Service Host needs multi-sourced data Packaging resources for to person to person e-commerce vendors Online personal third-party authoritative User-driven Authorization User's Bank Employer loan request Host Authorization Host Manager Distributed social graphs needs dynamic access criteria Offering photos if recipientsocial **Authorizing User** agrees to licensing online loan request CV sharing with future Financial **Employers** Service sensitive and regulated Requesting needs dynamic discovery Service Controlling access to health data

Data-sharing relationship management is bigger than protocols

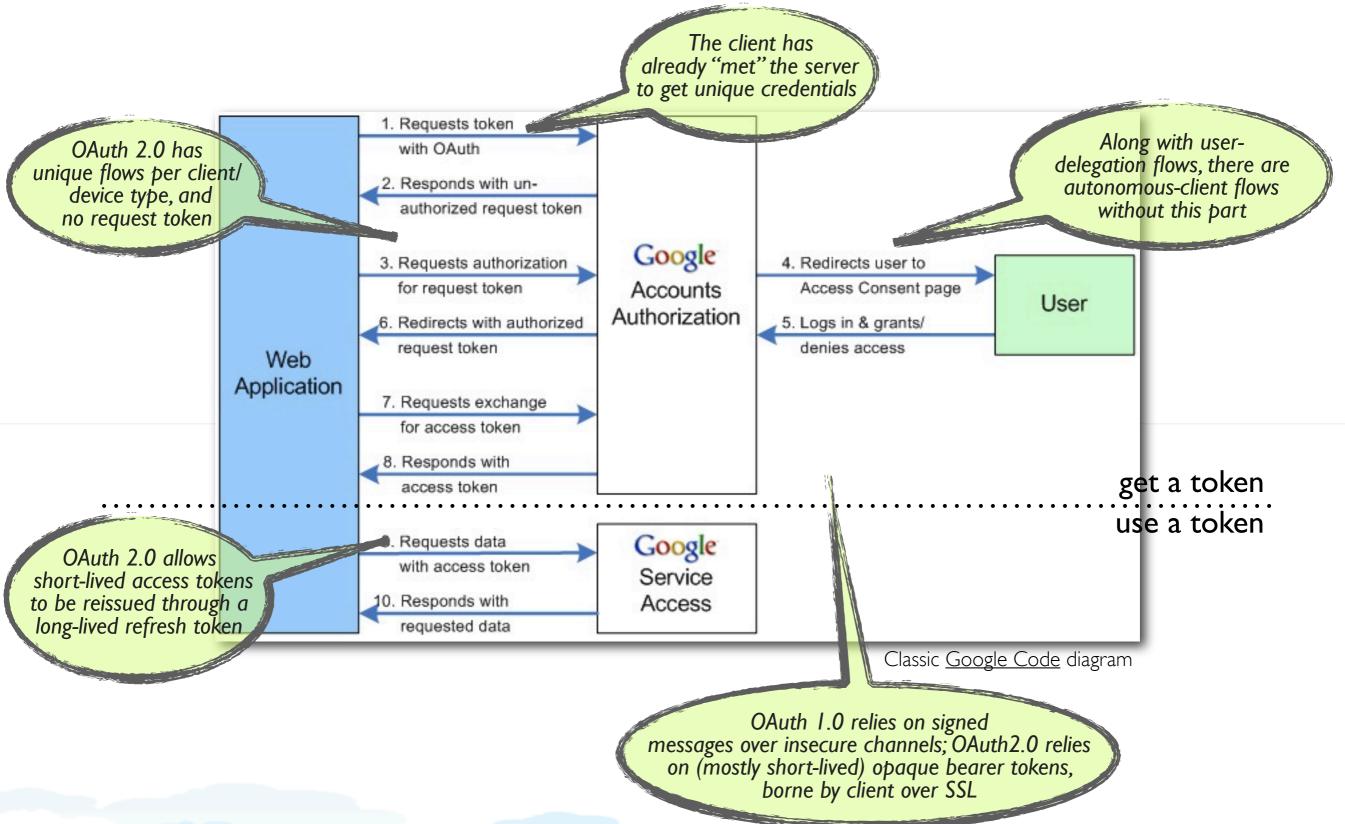
(see also <u>UX</u> and <u>implementation</u> pages)





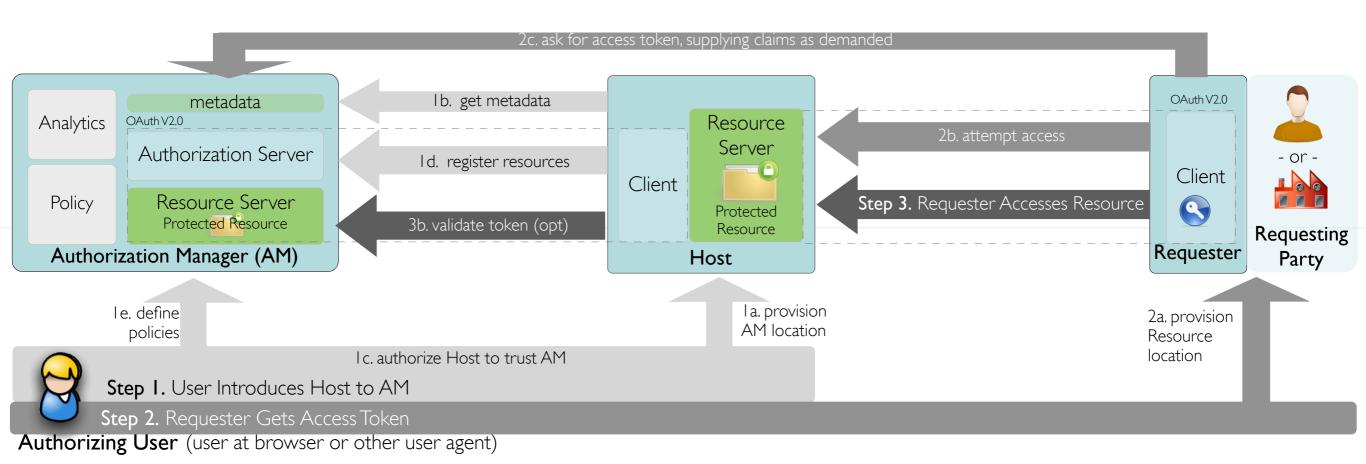
Student-Managed Access to Online Resources (SMART)

OAuth works roughly like this

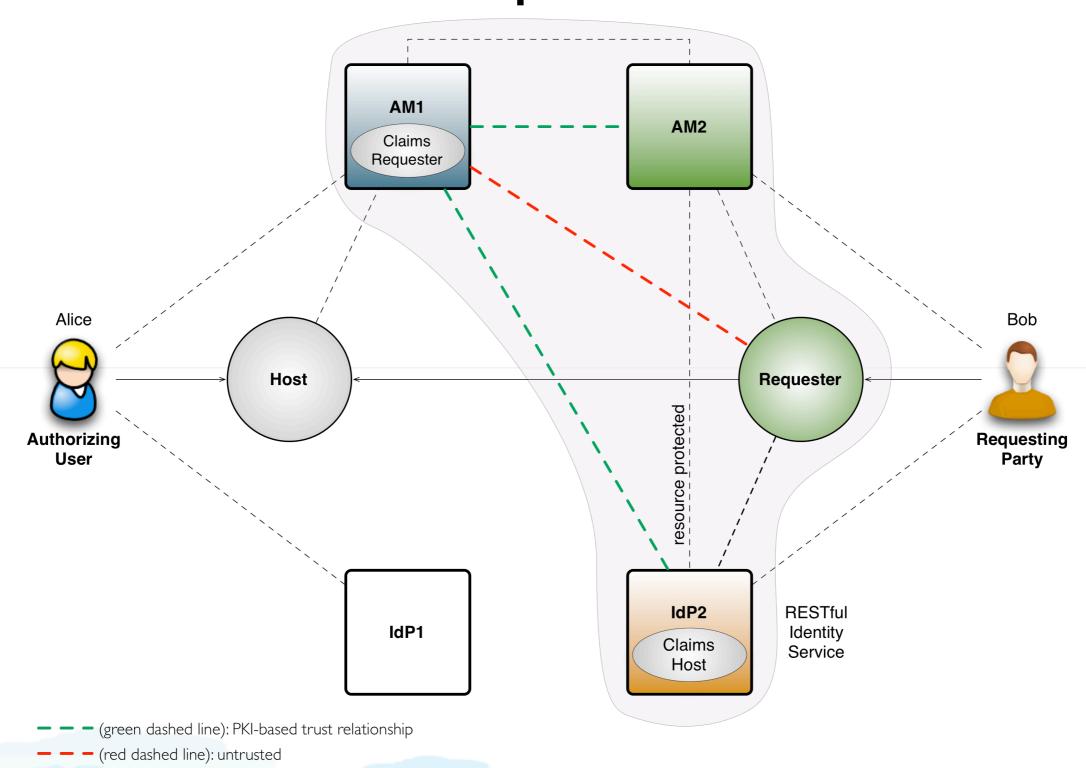


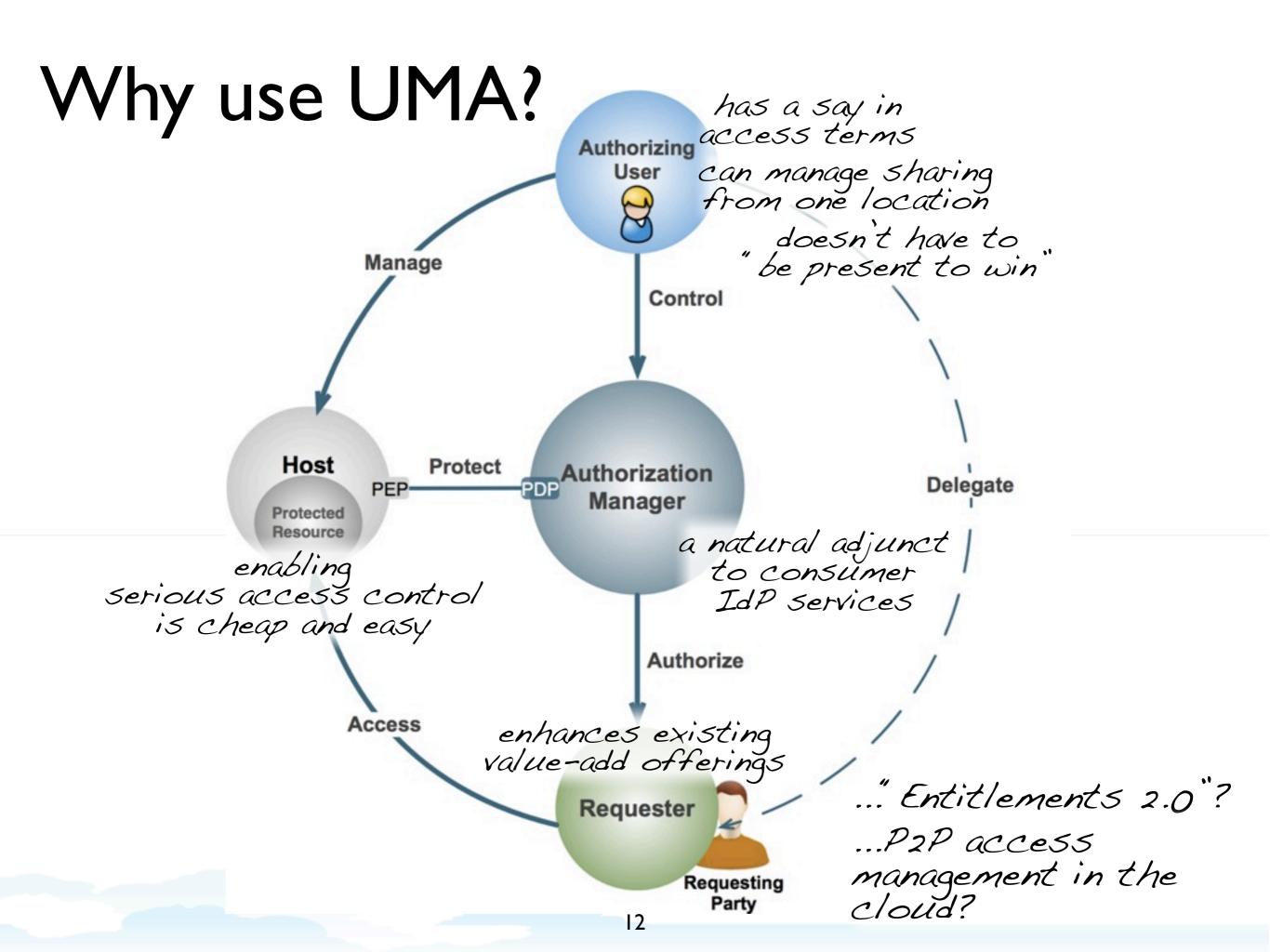
The UMA protocol in a nutshell: trust a token, get a token, use a token

(see also spec working drafts)



A potential claims trust model: make them UMA-protected resources







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