Leveraging UMA's Power for Compliance and User Control

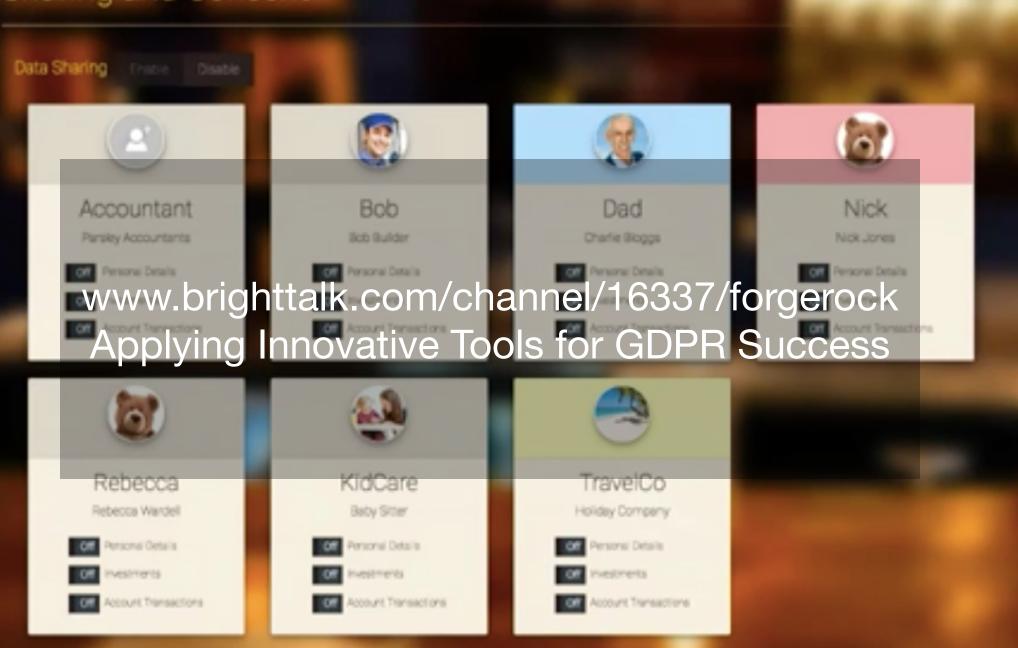
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Sharing and Consent



Some use cases/ecosystems involving UMA

Financial

- Discovering and aggregating UK pension accounts and sharing access to financial advisors
- Examining suitability for permissioning call center worker access
- IoT
 - "ACE actors" architecture identifies requirements for RqP authorization
- Healthcare
 - Profiled in Health Relationship Trust (HEART) at OpenID Foundation
 - · Part of the new OpenMedReady framework, along with HEART





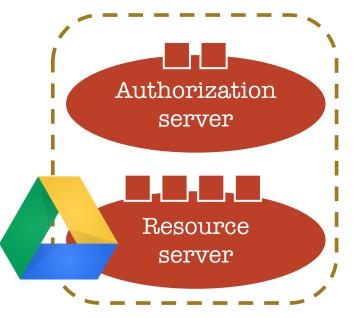


OAuth, OIDC, and UMA2: breaking it down

It has helped to kill the "password anti-pattern"

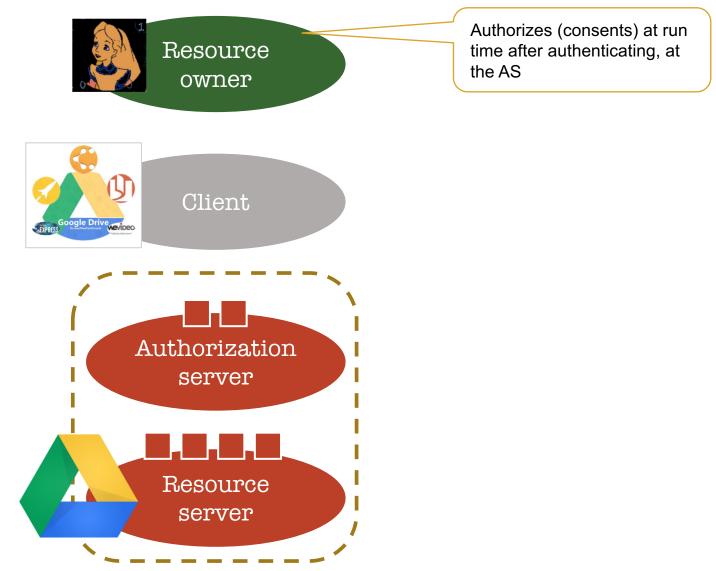




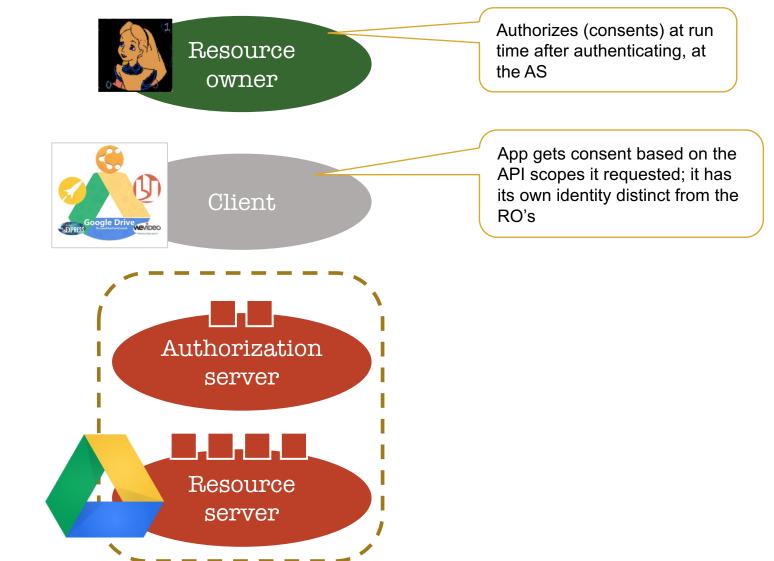




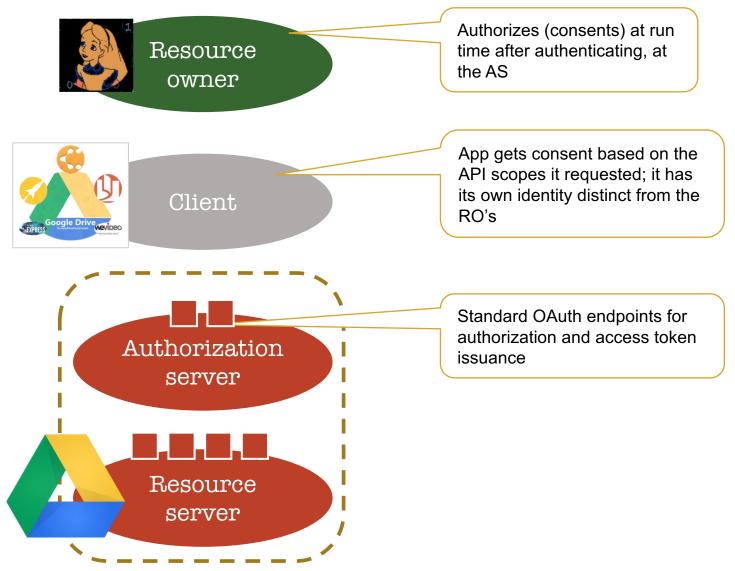
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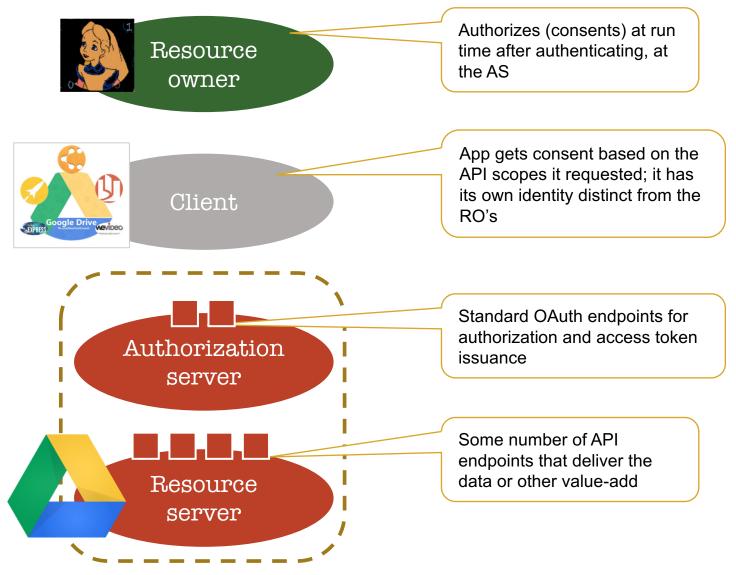
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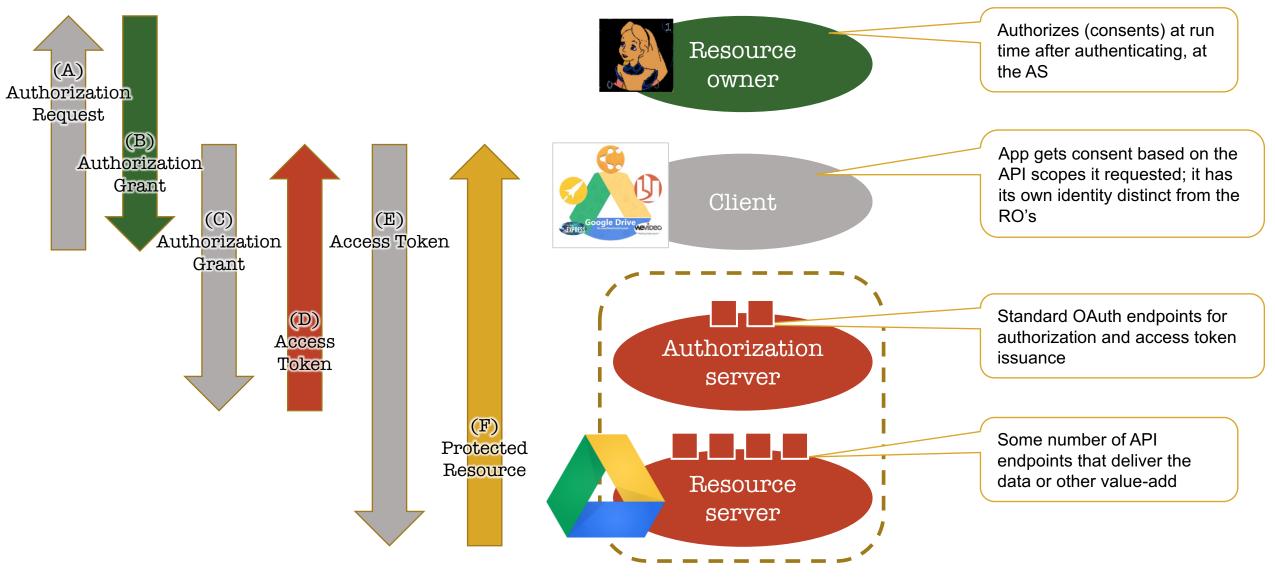
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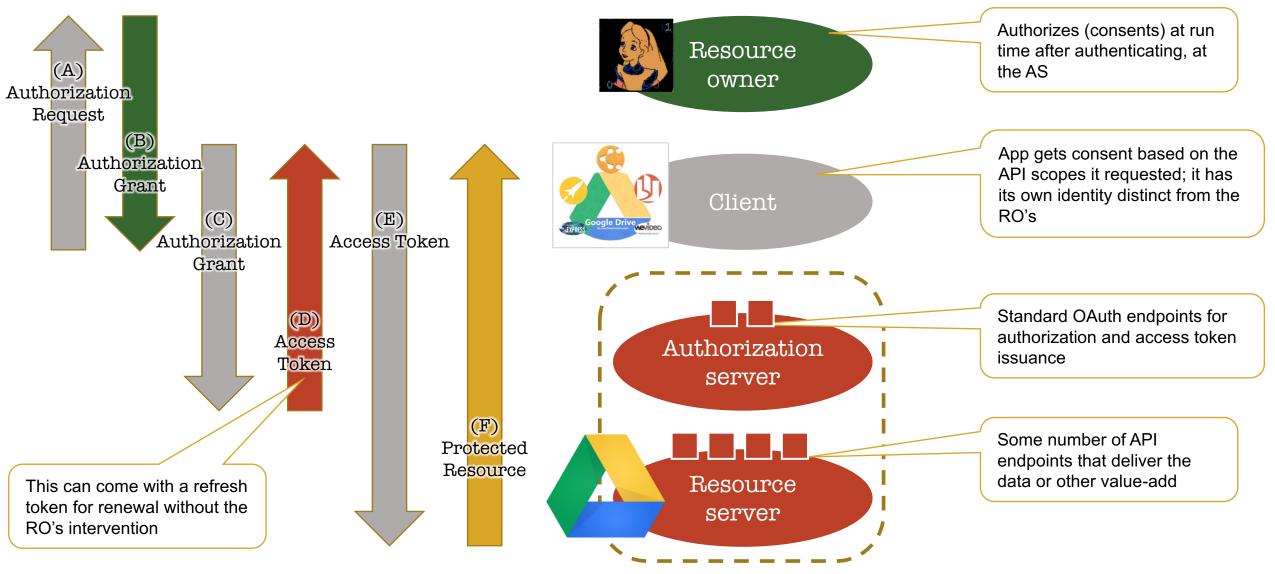
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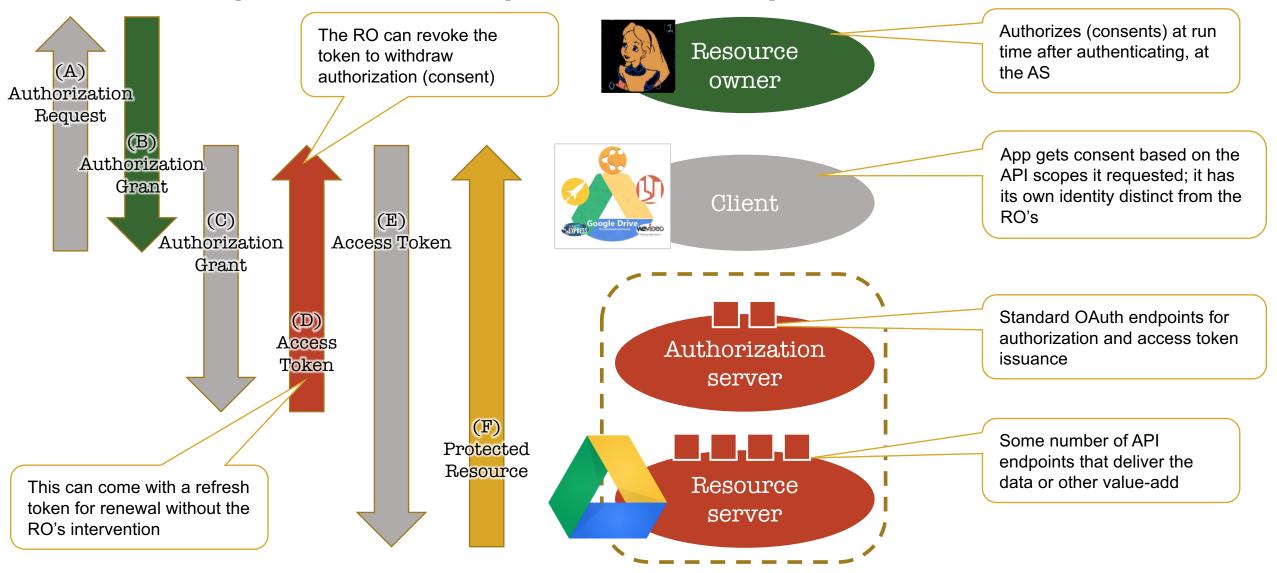
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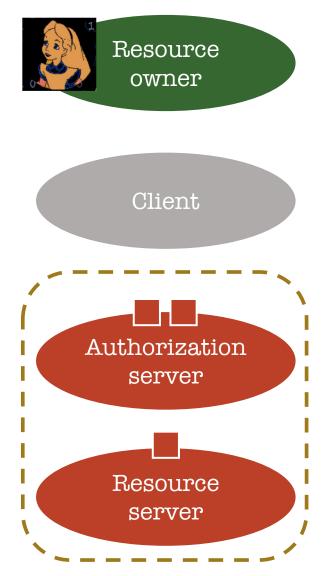


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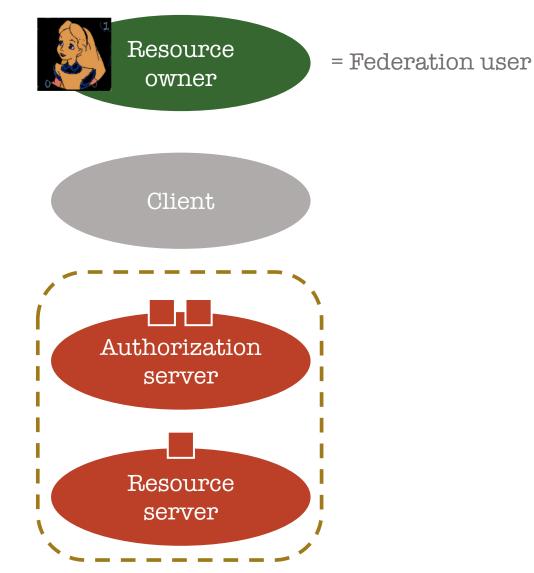


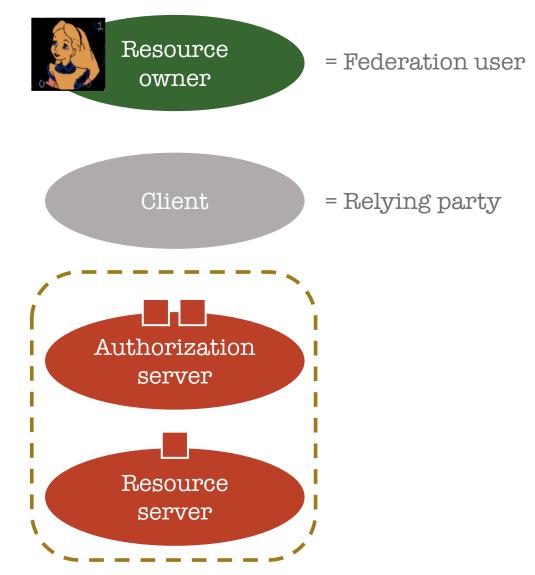
OAuth is for constrained delegation to apps It has helped to kill the "password anti-pattern"

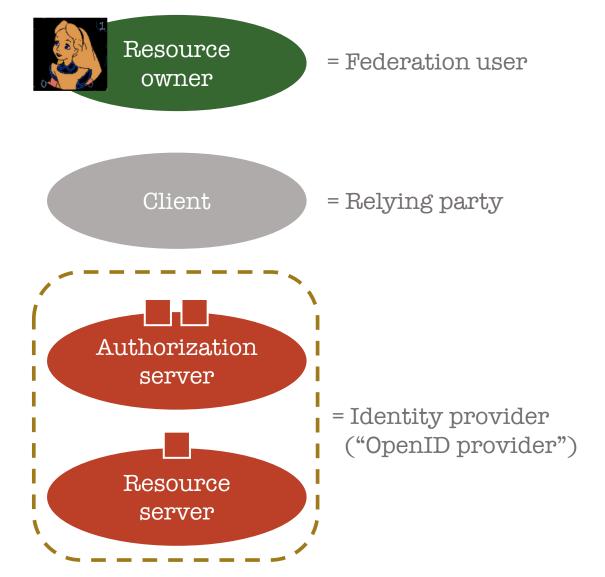


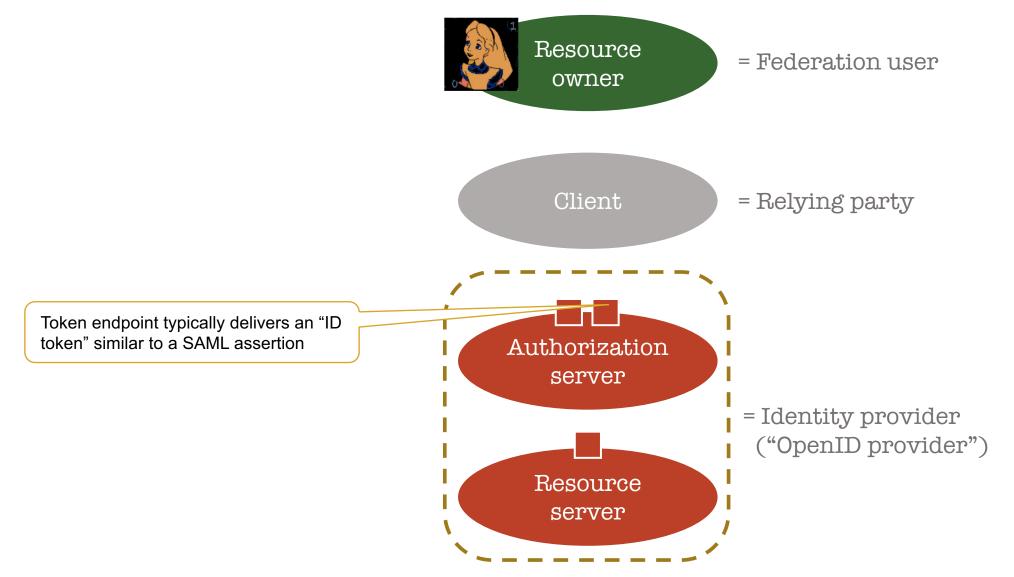


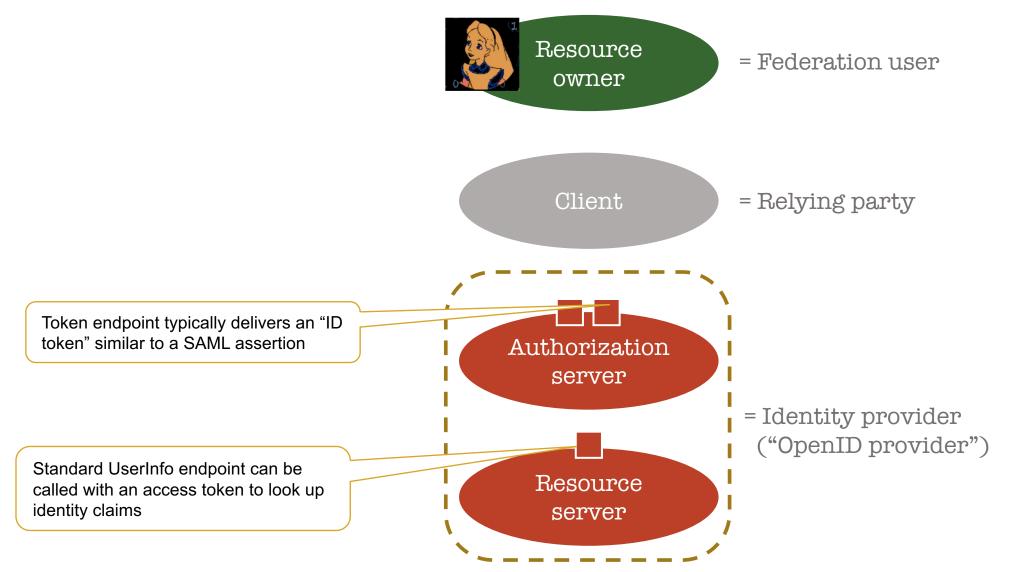


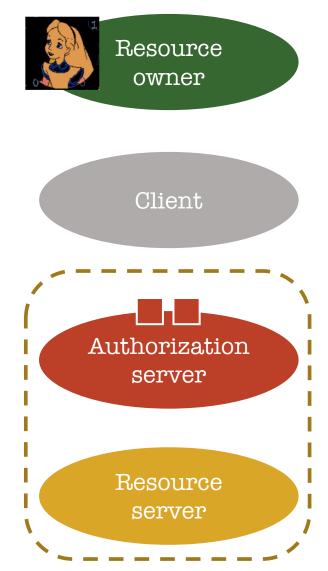












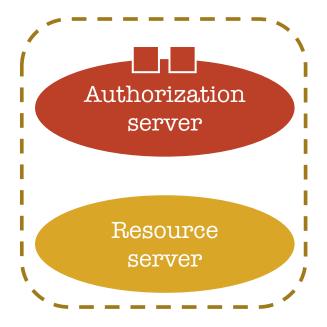








Client



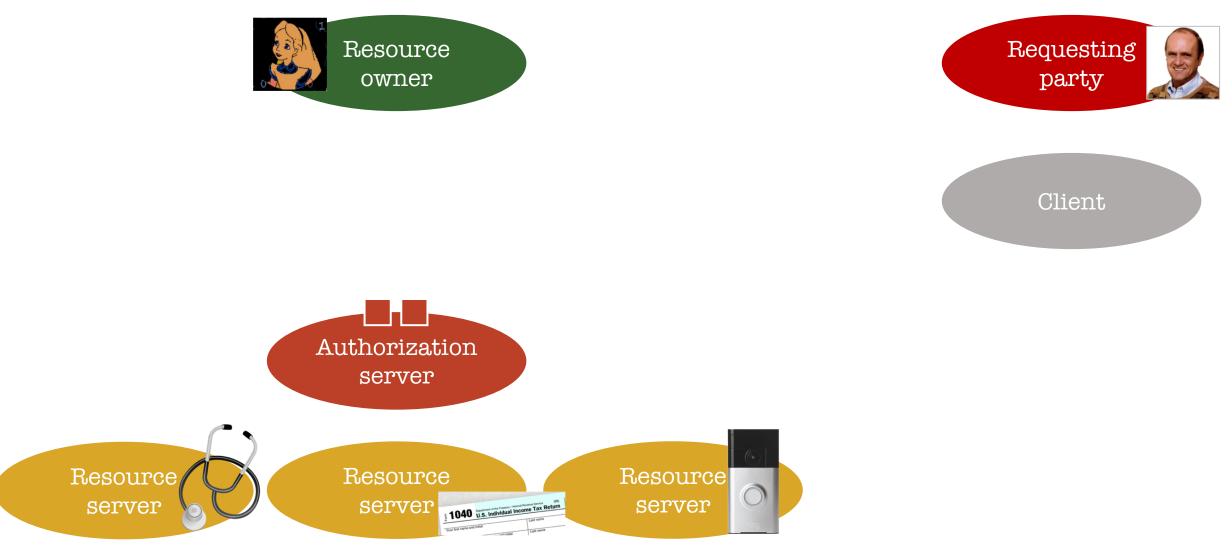


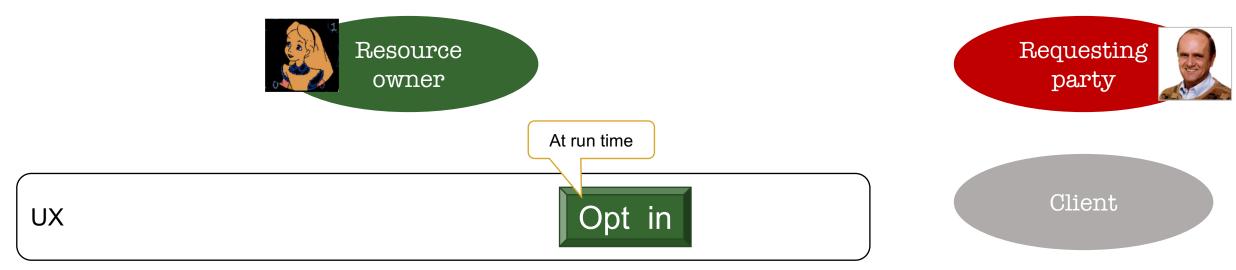


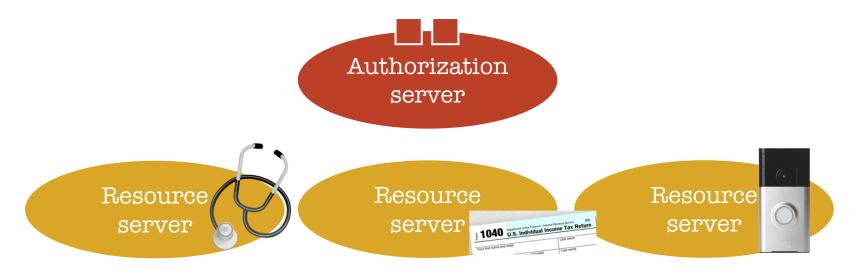
Client

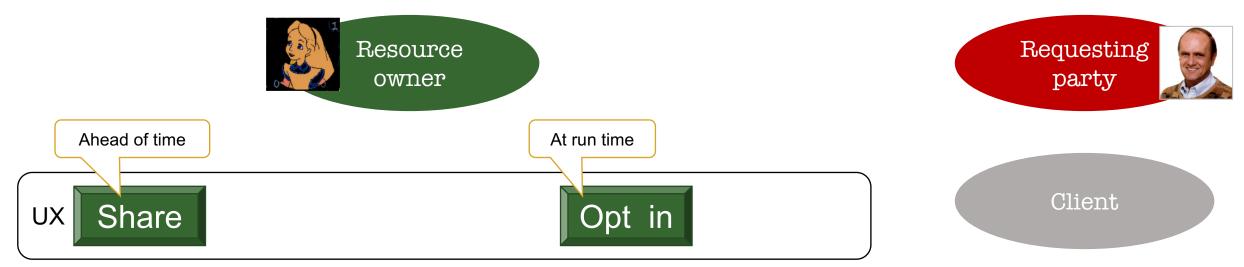


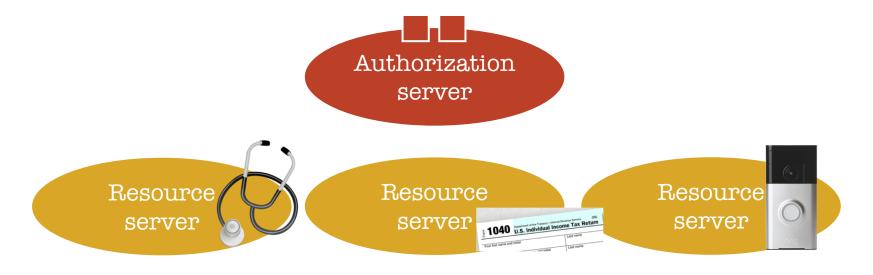
Resource server

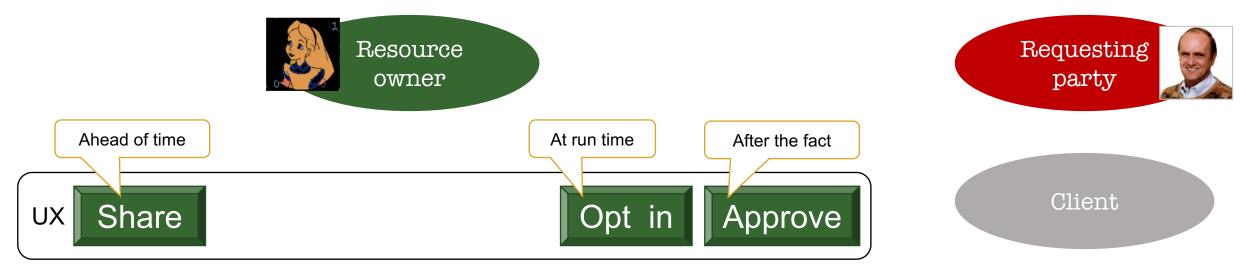


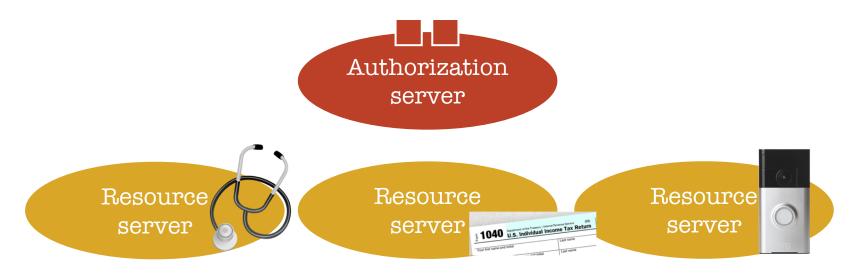


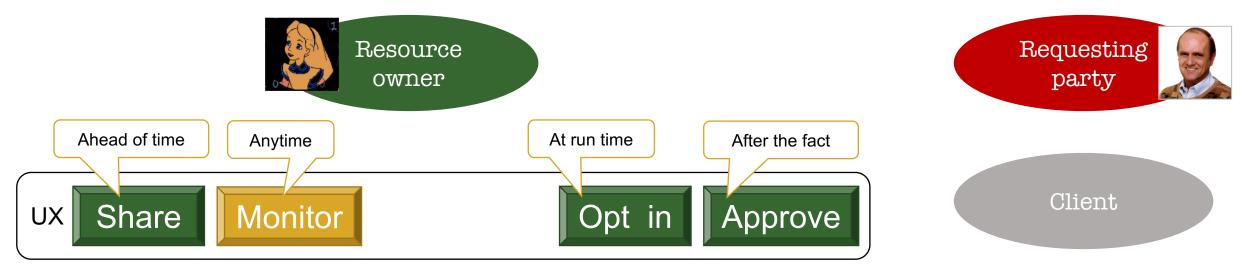


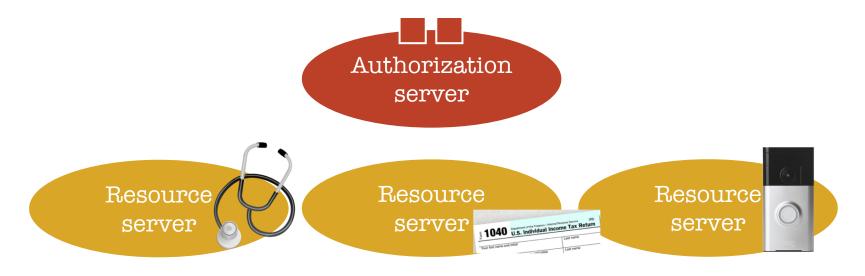


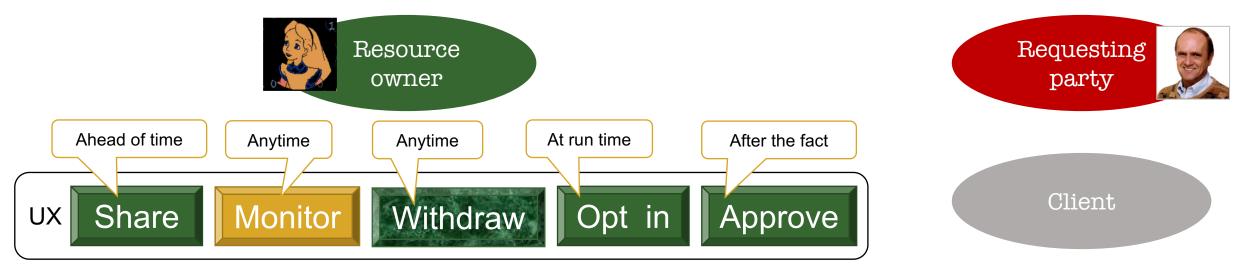


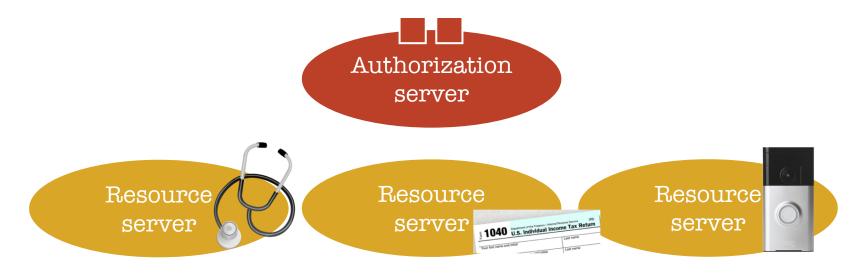




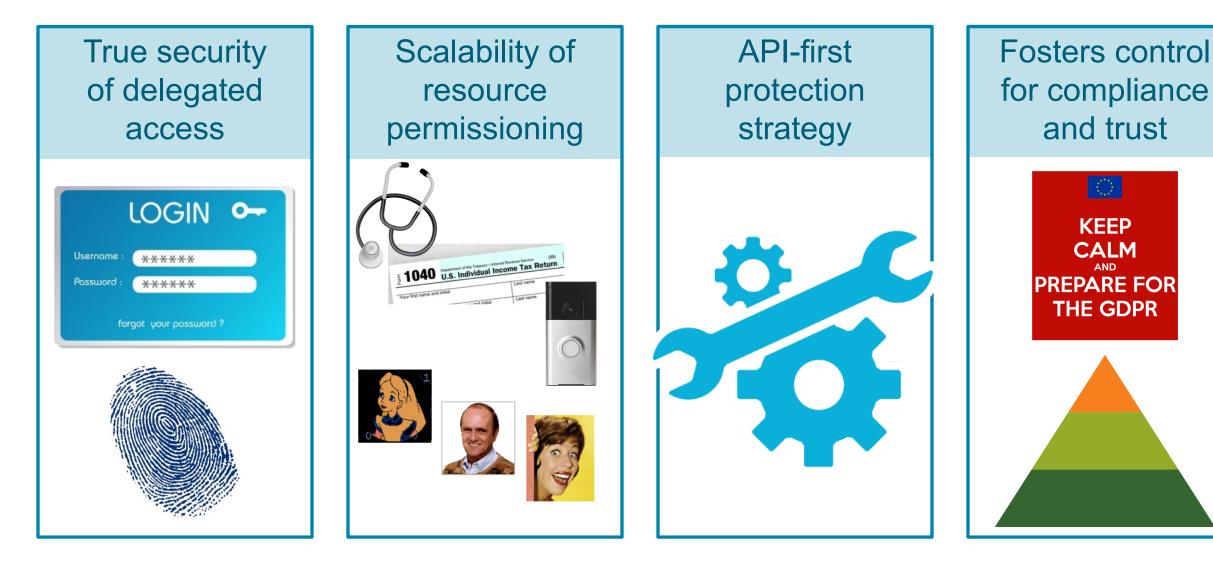








Key benefits of UMA to service providers



Key benefits of UMA to consumers

Constrained party-to-party delegation

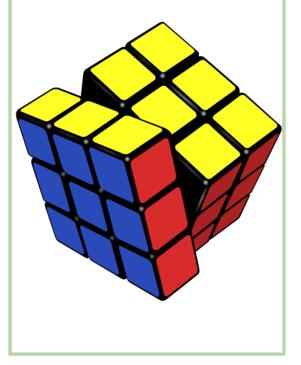


Granting consent without external influence



Centralized monitoring and management E Personal Info Sign-in & Security Preferences Devices Apps Privacy & Consent Sharin Account Controls

Control of consents at a fine grain

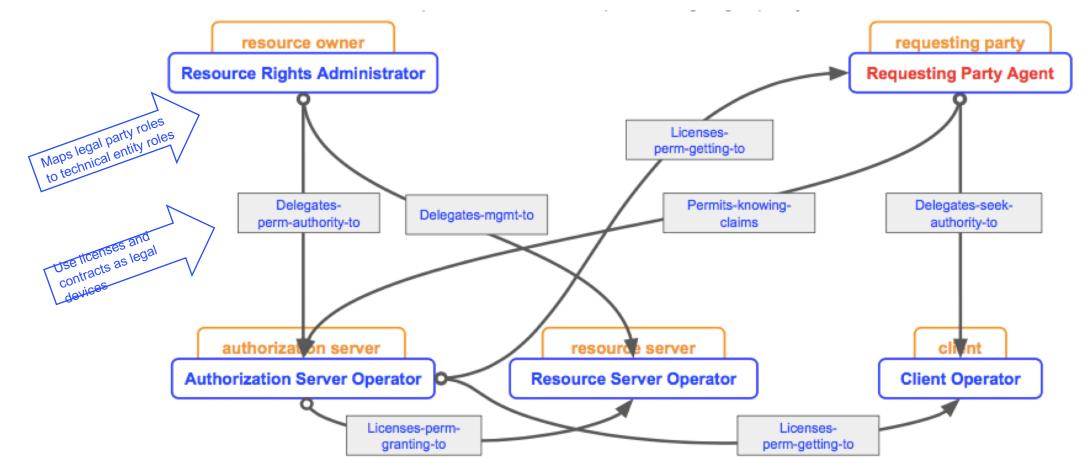


The BLT sandwich: Business scenarios needing solutions

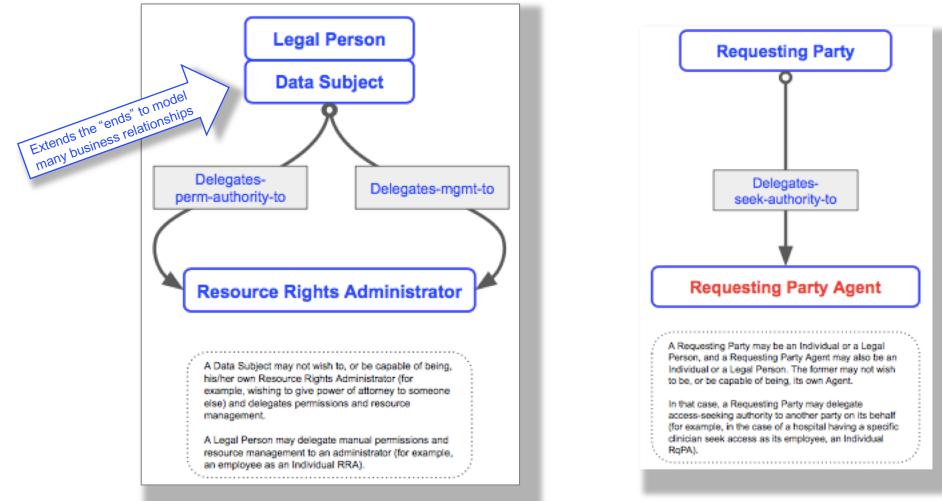
- A "too-young" individual has a legal guardian managing their digital assets
- That individual starts using digital assets but is too young to consent to their use
- Multiple individuals manage digital assets jointly
- An individual who may become mentally incapacitated or die needs to designate someone else to manage digital assets for them
 - RUFADAA in the US and other laws

Custodians of digital assets – operators of resource servers – are concerned about the liability and risk of these situations too!

The new UMA business model defines how the UMA protocol enables a license-based model for controlling access rights to personal digital assets



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UMA + identity relationship management

- Model the relationships in, say, a graph database
- Implement each life (relationship) stage in UMA
- We have mapped legal devices to technical artifacts: OAuth/UMA token, policies, etc.
 - These artifacts are auditable
 - UMA assists in unique properties for compliance and user trust
- When a relationship changes, the artifacts can be torn down and new ones can be built up
 - These changes themselves can be made auditable
 - Much like "right to erasure" workflows, they can be hardened

Thank you! Questions?

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