

User-Managed Access (UMA) Working Group

Eve Maler, WG chair

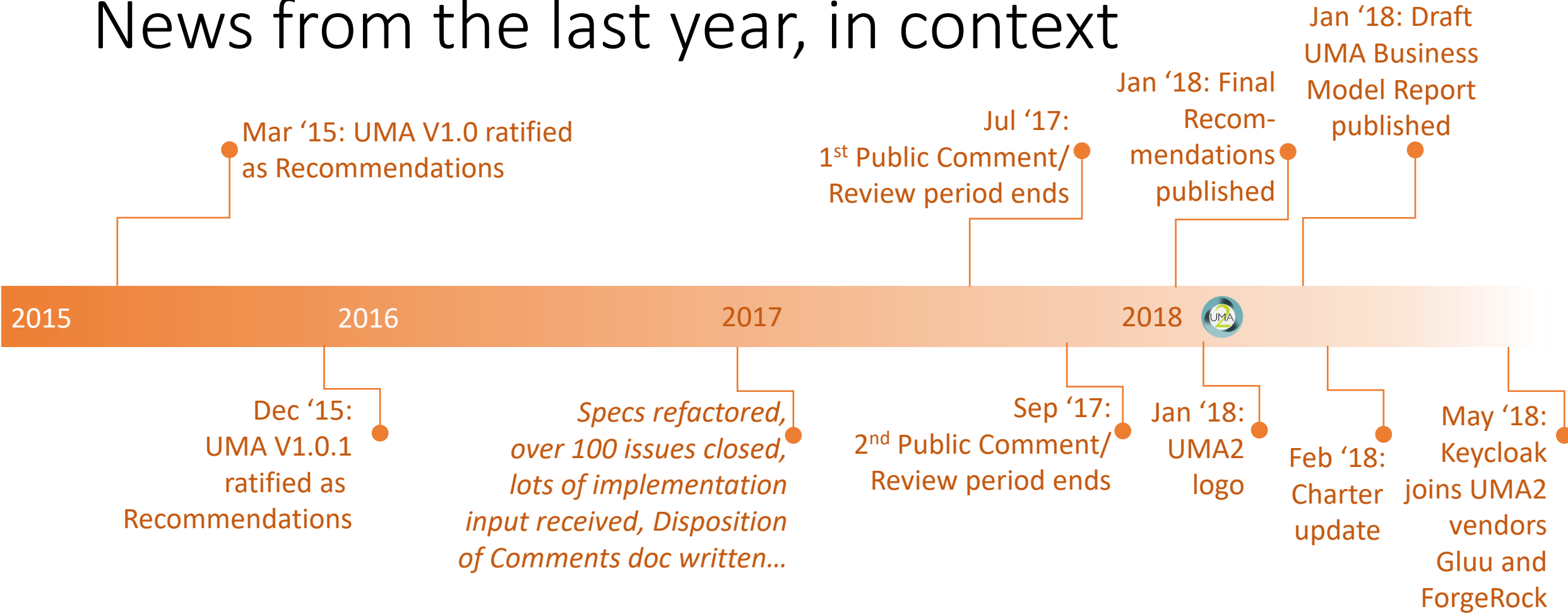
eve.maler@forgerock.com | @xmlgrri

15 May 2018

<http://tinyurl.com/umawg/> | @UMAWG

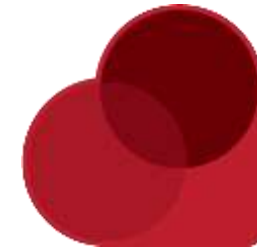
First: Shall we do an UMA
explainer?

News from the last year, in context

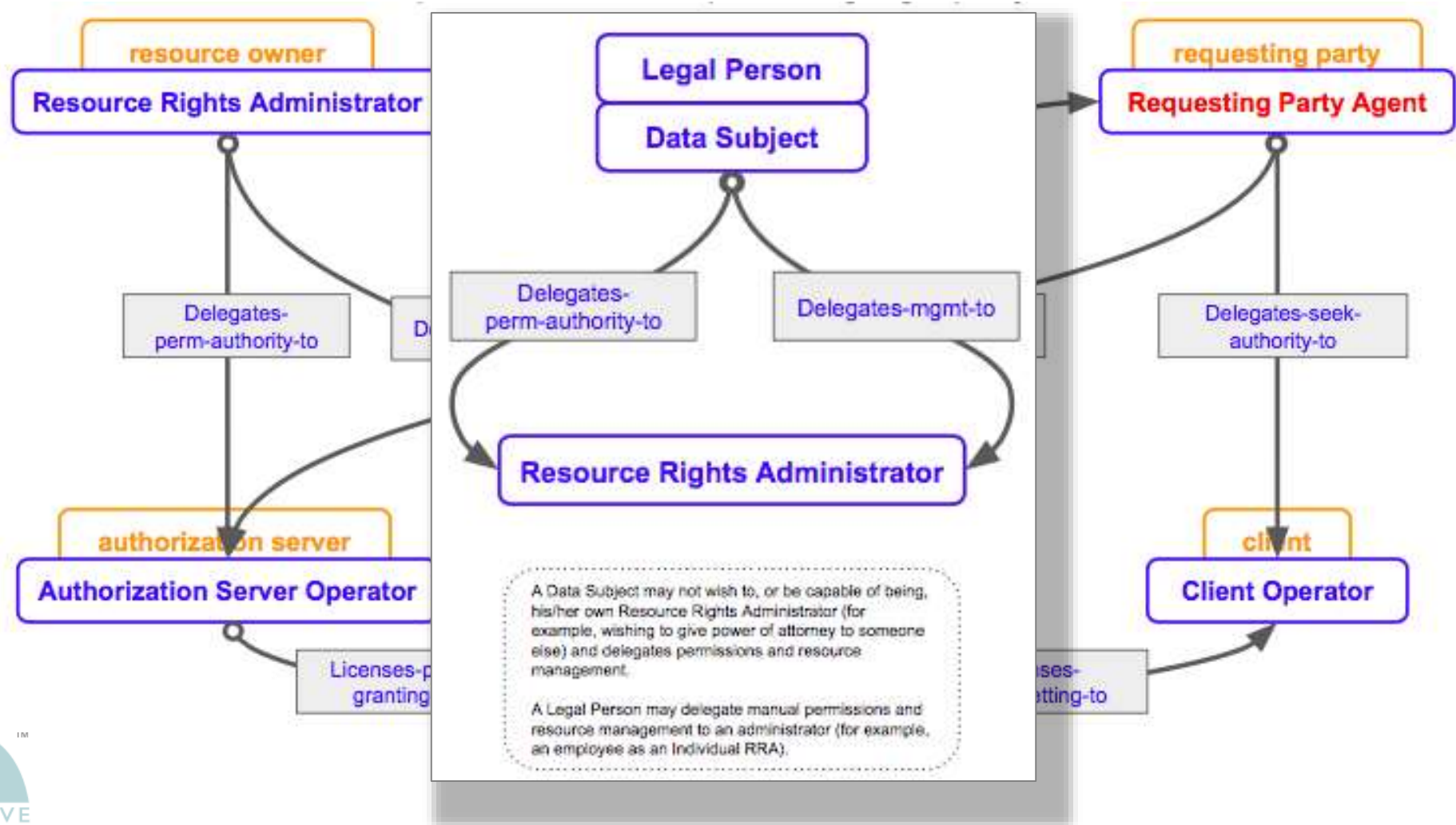


Some use cases/ecosystems involving UMA

- Financial
 - UK Pensions Dashboard Project / OIX / Origo
 - Examining suitability for a set of Open Banking use cases
- IoT
 - “ACE actors” architecture identifies requirements for authorization to an RqP
- Healthcare
 - Profiled in Health Relationship Trust (HEART) at OpenID Foundation
 - Part of the new OpenMedReady framework, along with HEART



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



Key benefits of UMA to service providers

True security of delegated access



Scalability of resource permissioning



API-first protection strategy

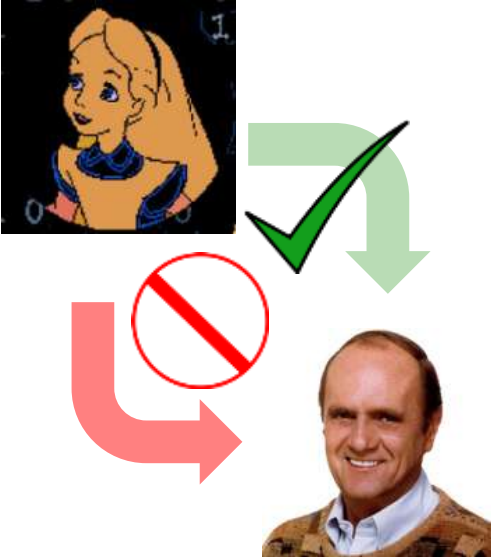


Fosters control for compliance and trust

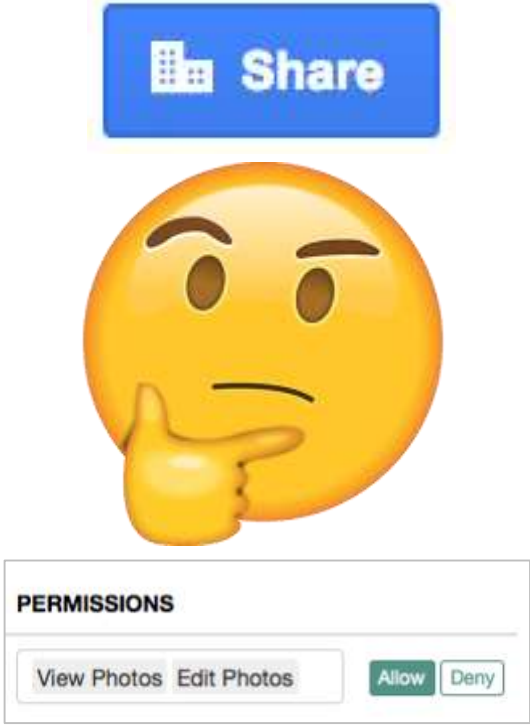


Key benefits of UMA to consumers

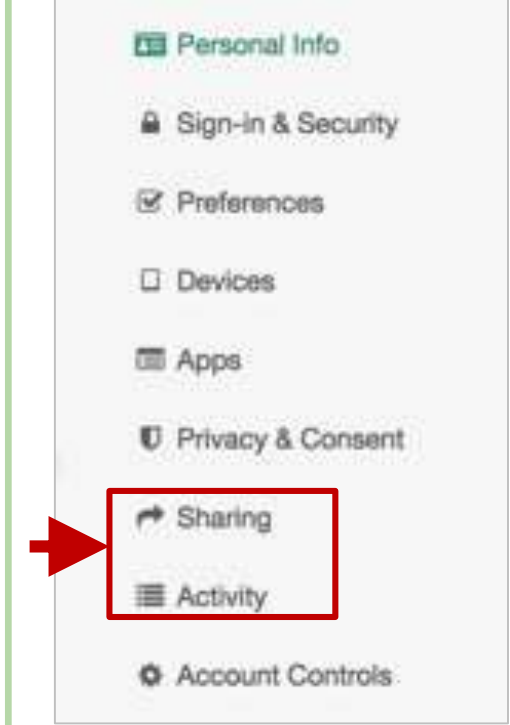
Constrained party-to-party delegation



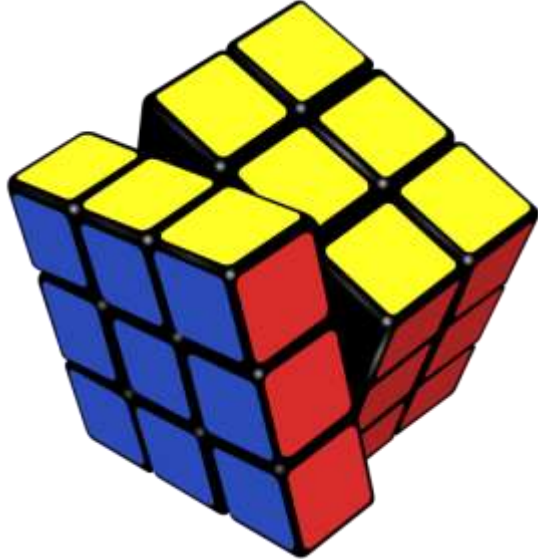
Granting consent without external influence



Centralized monitoring and management



Control of consents at a fine grain





OAuth, OIDC, and UMA2: breaking it down

OAuth is for constrained delegation to apps

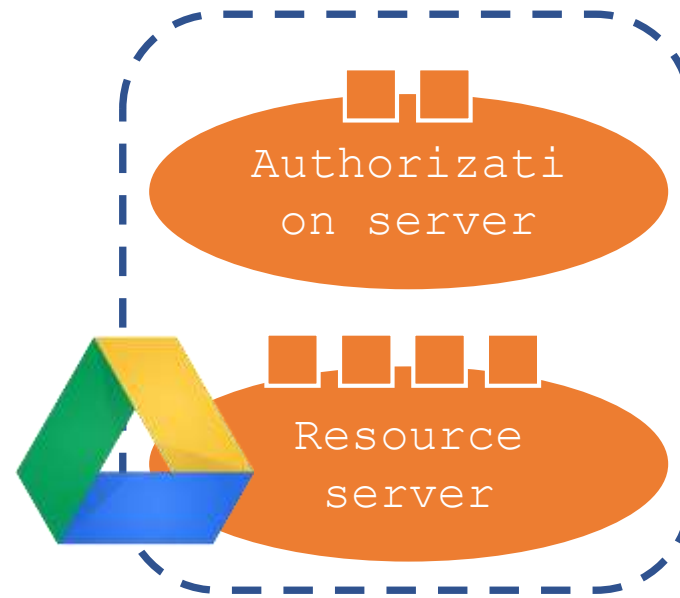
It has helped to kill the “password anti-pattern”



Resource
owner



Client



OAuth is for constrained delegation to apps

It has helped to kill the “password anti-pattern”

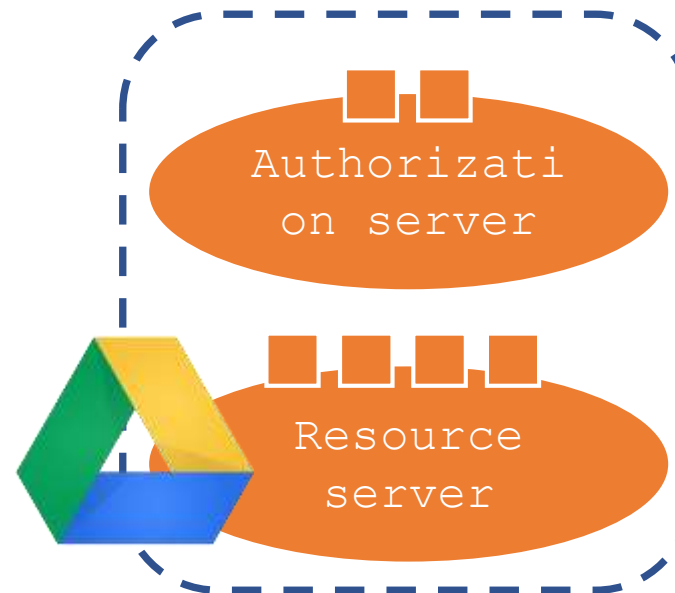


Resource
owner

Authorizes (consents) at run
time after authenticating, at
the AS

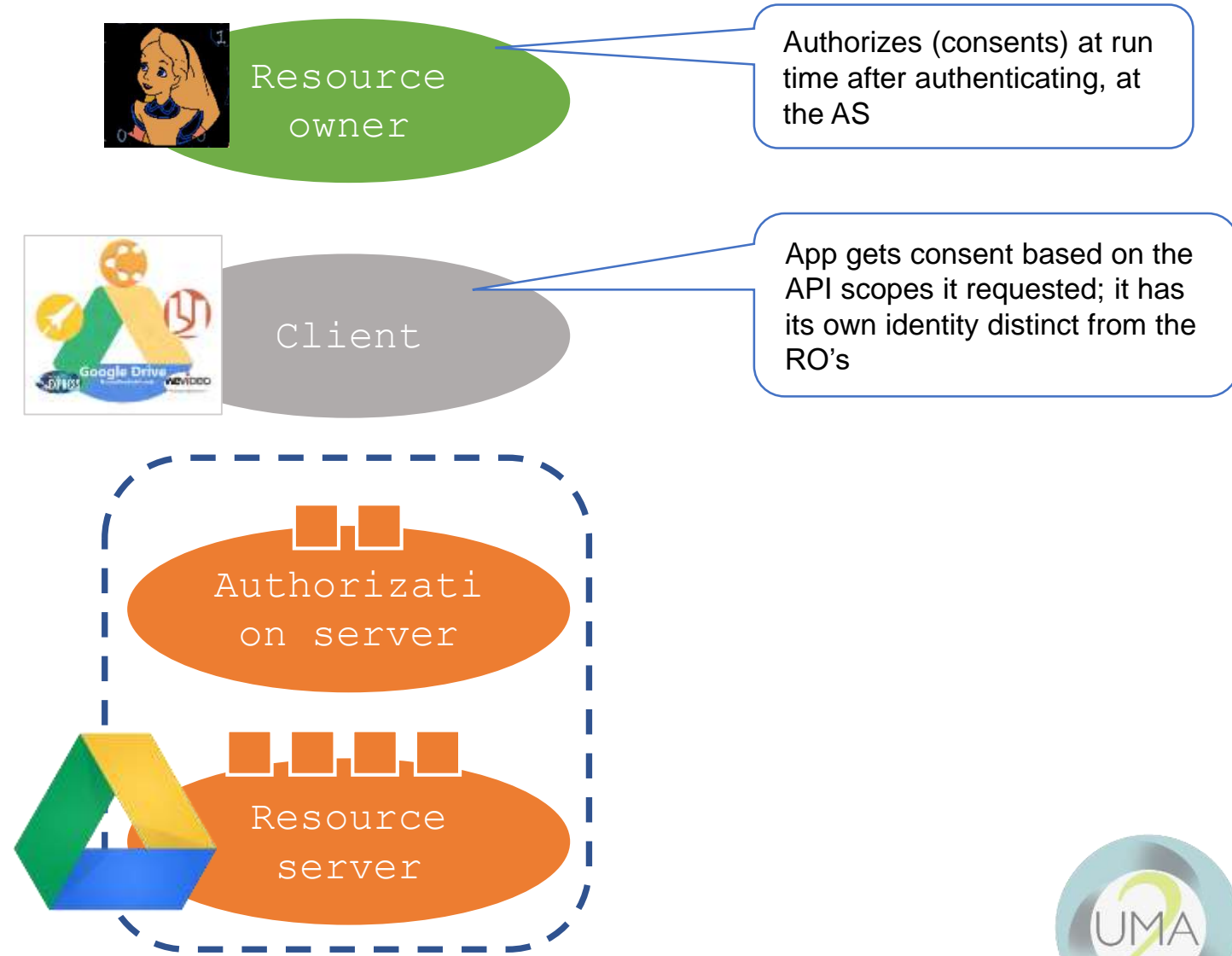


Client



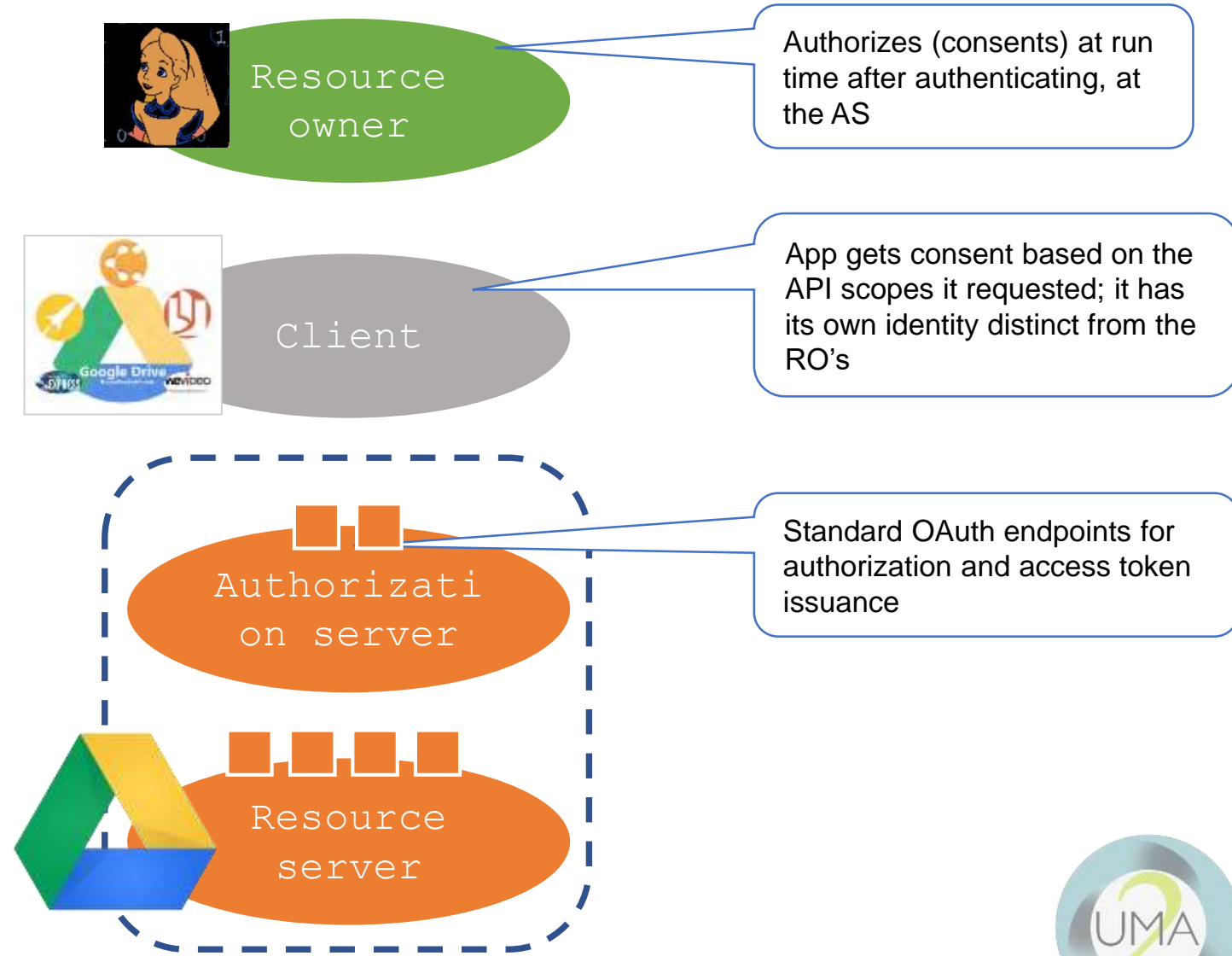
OAuth is for constrained delegation to apps

It has helped to kill the “password anti-pattern”



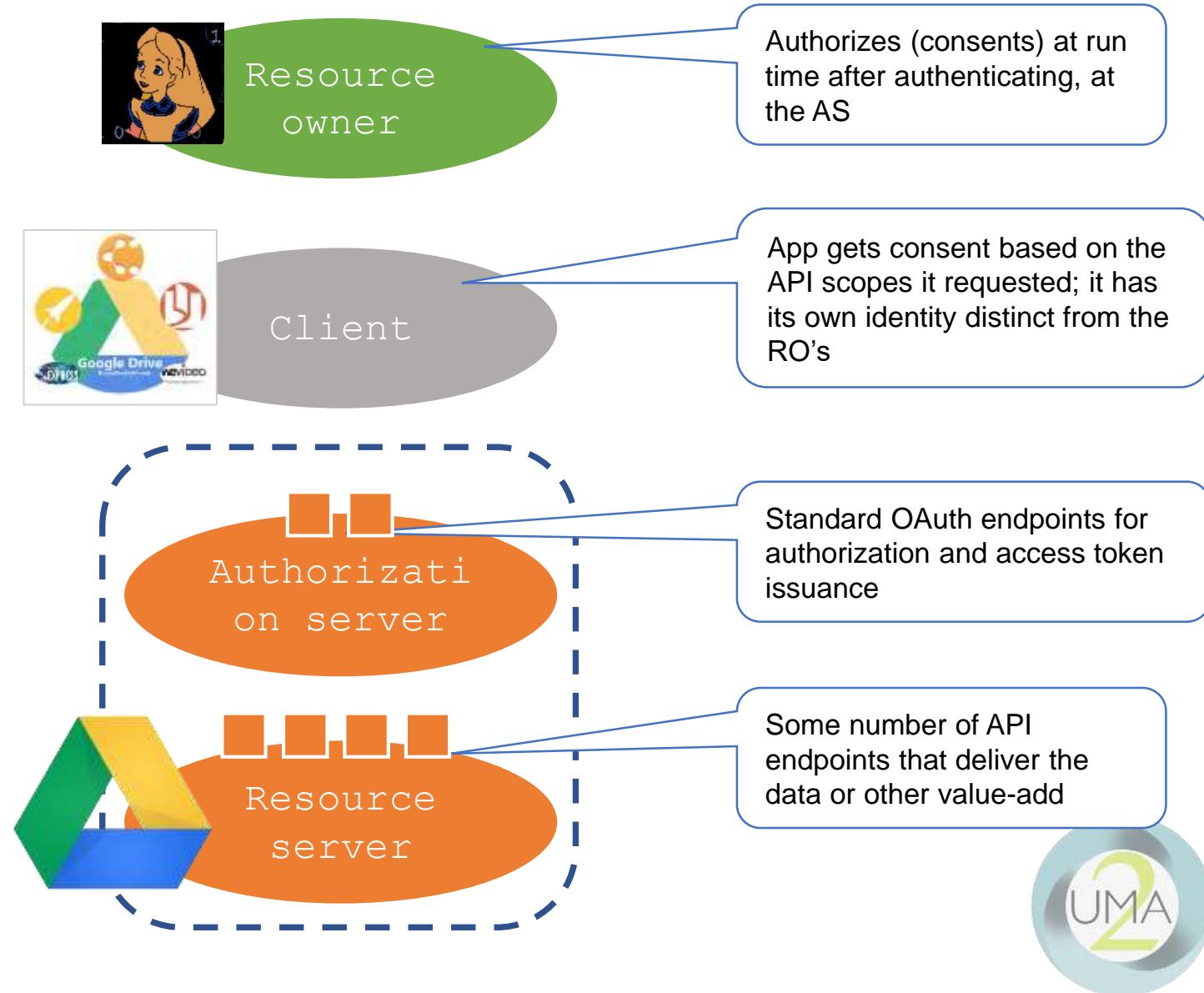
OAuth is for constrained delegation to apps

It has helped to kill the “password anti-pattern”



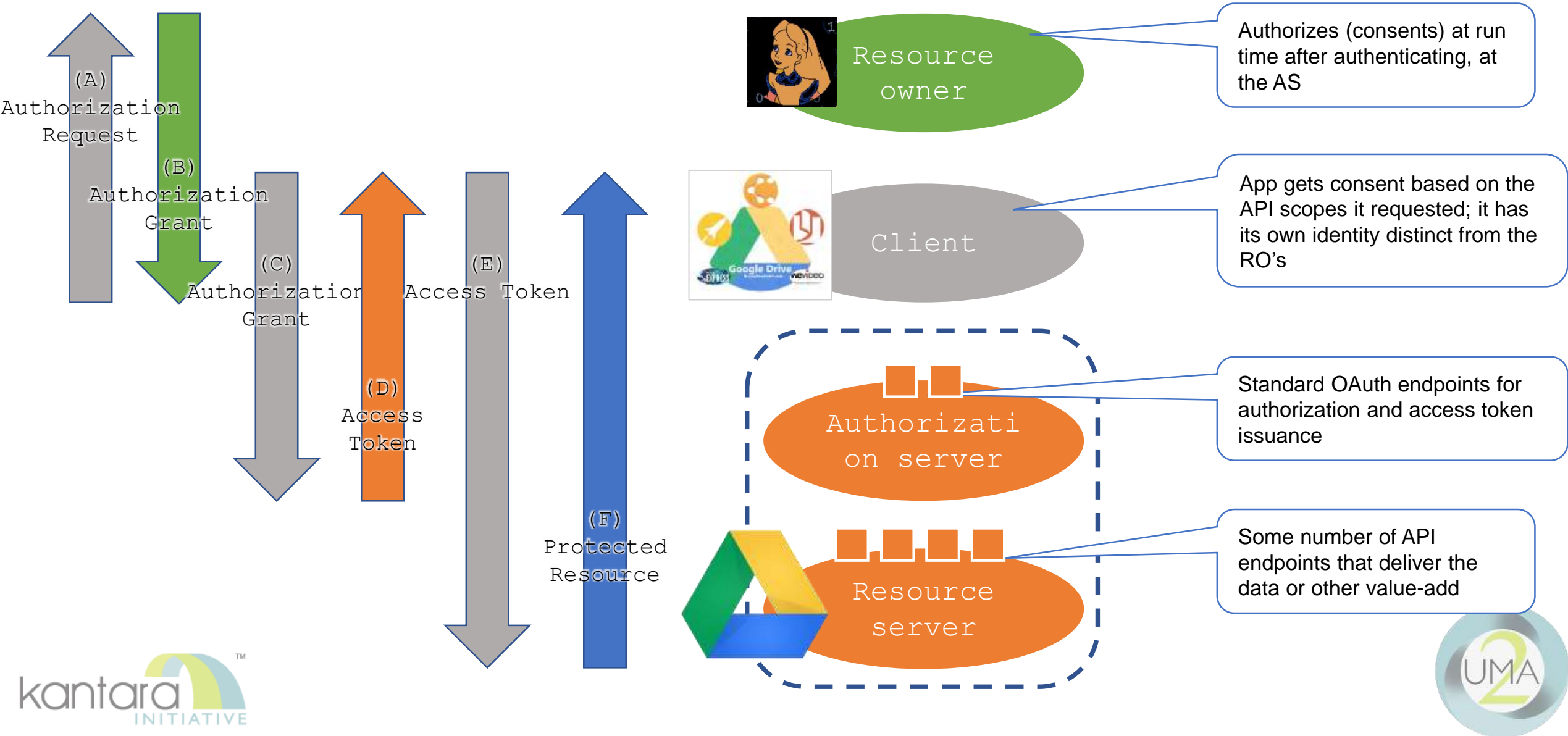
OAuth is for constrained delegation to apps

It has helped to kill the “password anti-pattern”



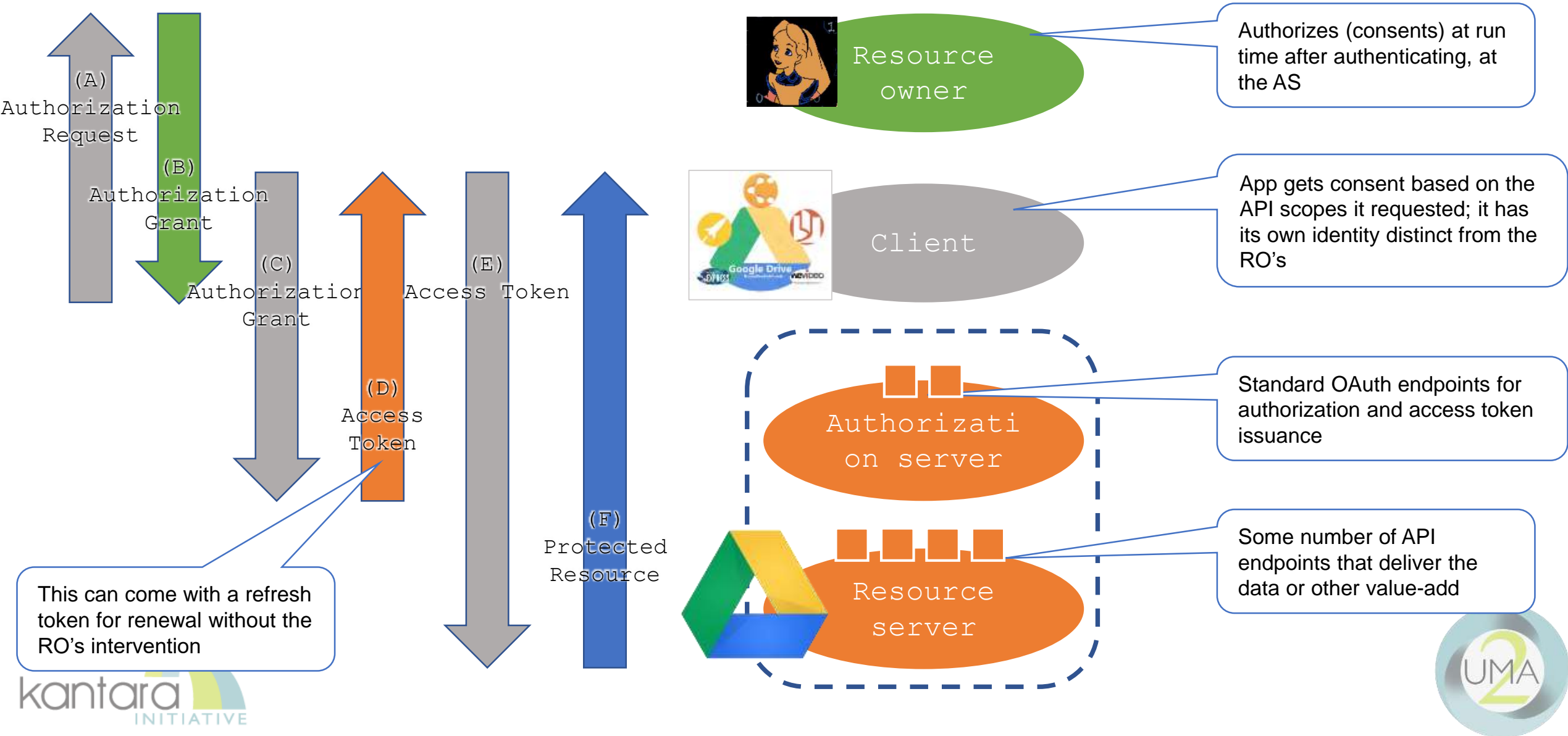
OAuth is for constrained delegation to apps

It has helped to kill the “password anti-pattern”



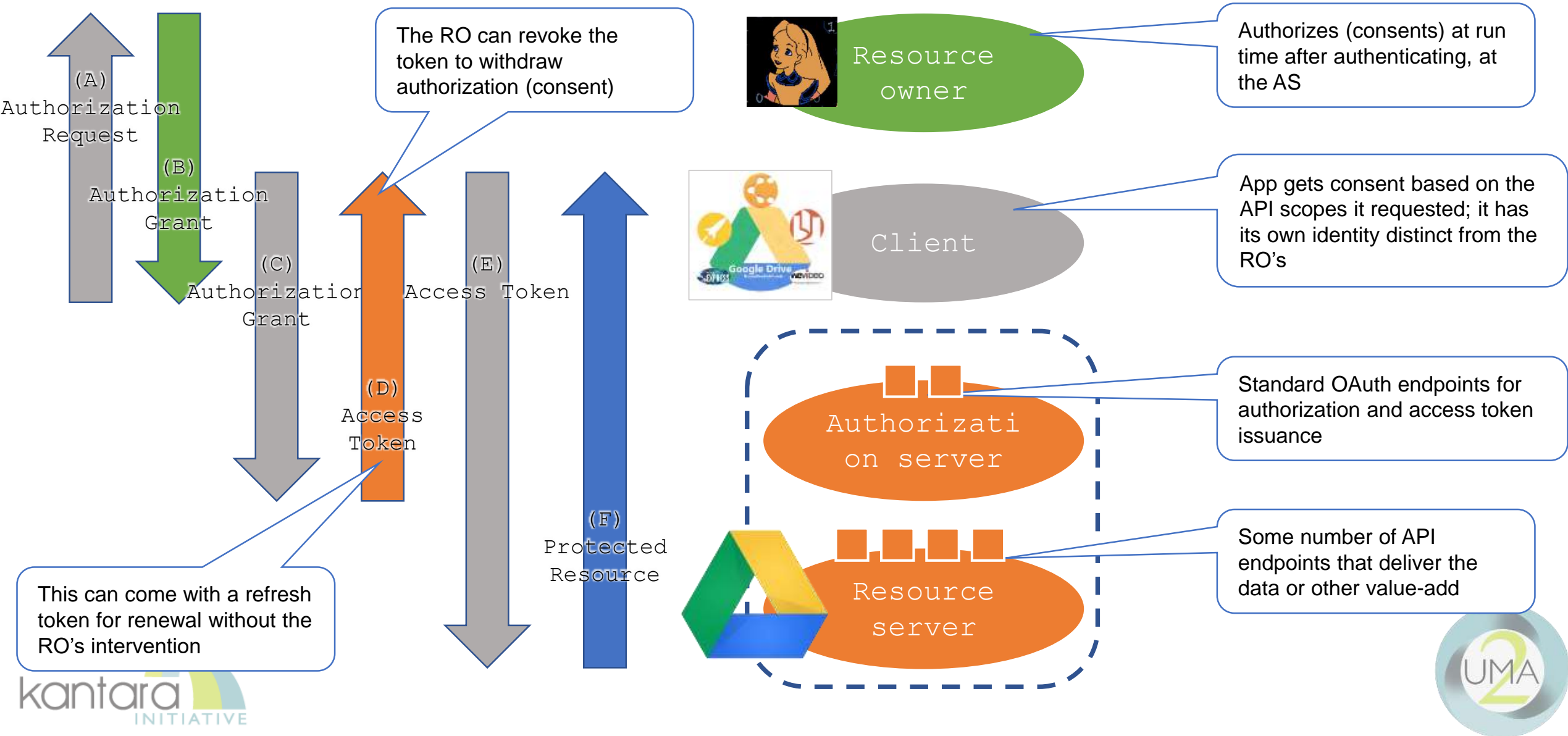
OAuth is for constrained delegation to apps

It has helped to kill the “password anti-pattern”



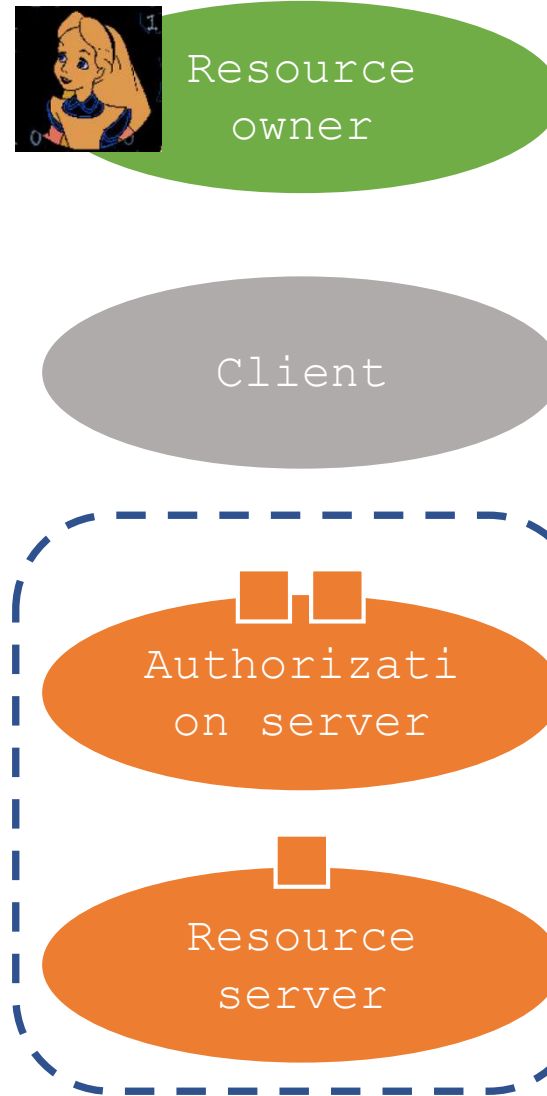
OAuth is for constrained delegation to apps

It has helped to kill the “password anti-pattern”



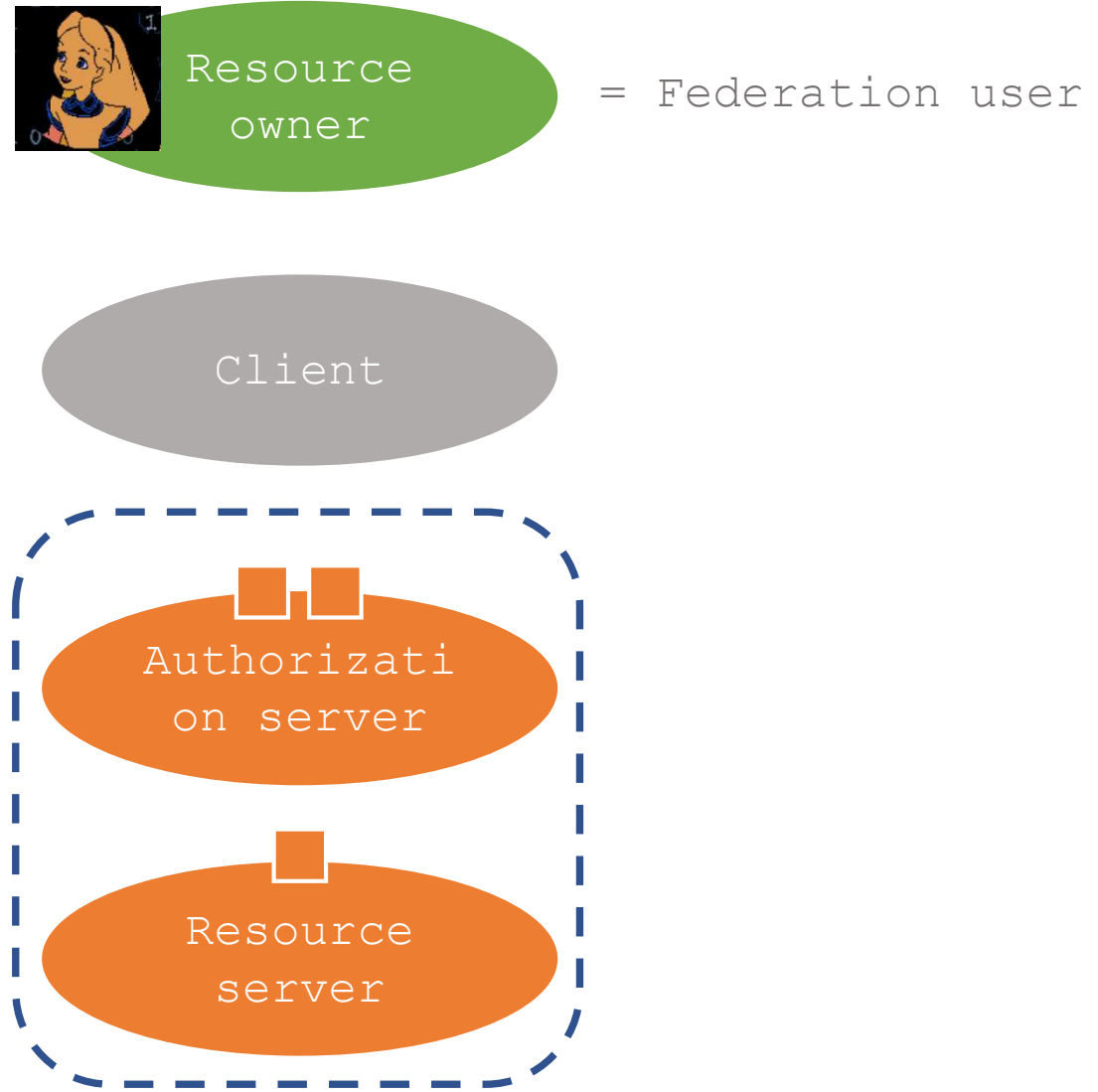
OpenID Connect does modern-day federation

It is an OAuth-protected identity API, plus a bit more



OpenID Connect does modern-day federation

It is an OAuth-protected identity API, plus a bit more



OpenID Connect does modern-day federation

It is an OAuth-protected identity API, plus a bit more



Resource
owner

= Federation user

Client

= Relying party

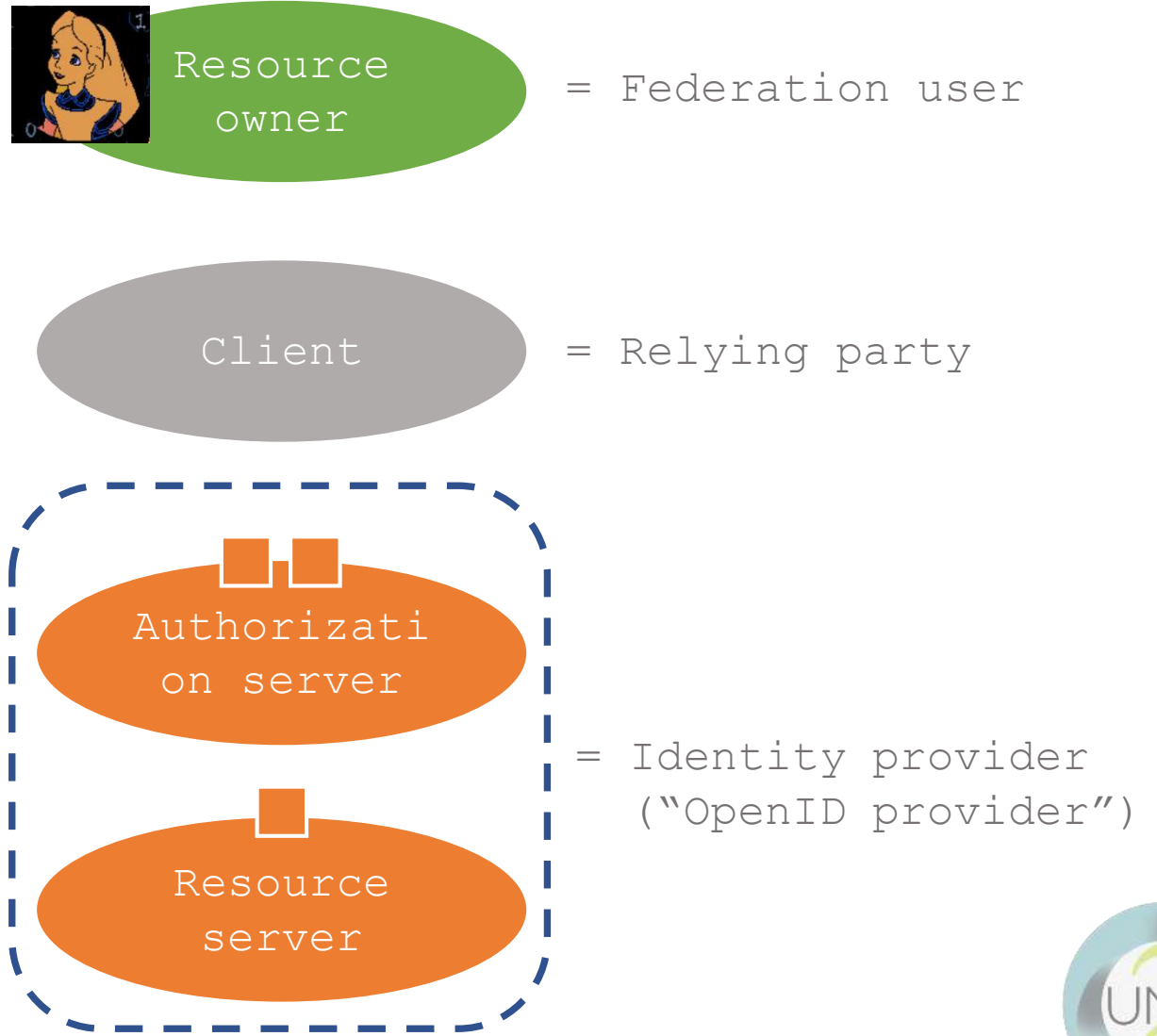
Authorizati
on server

Resource
server



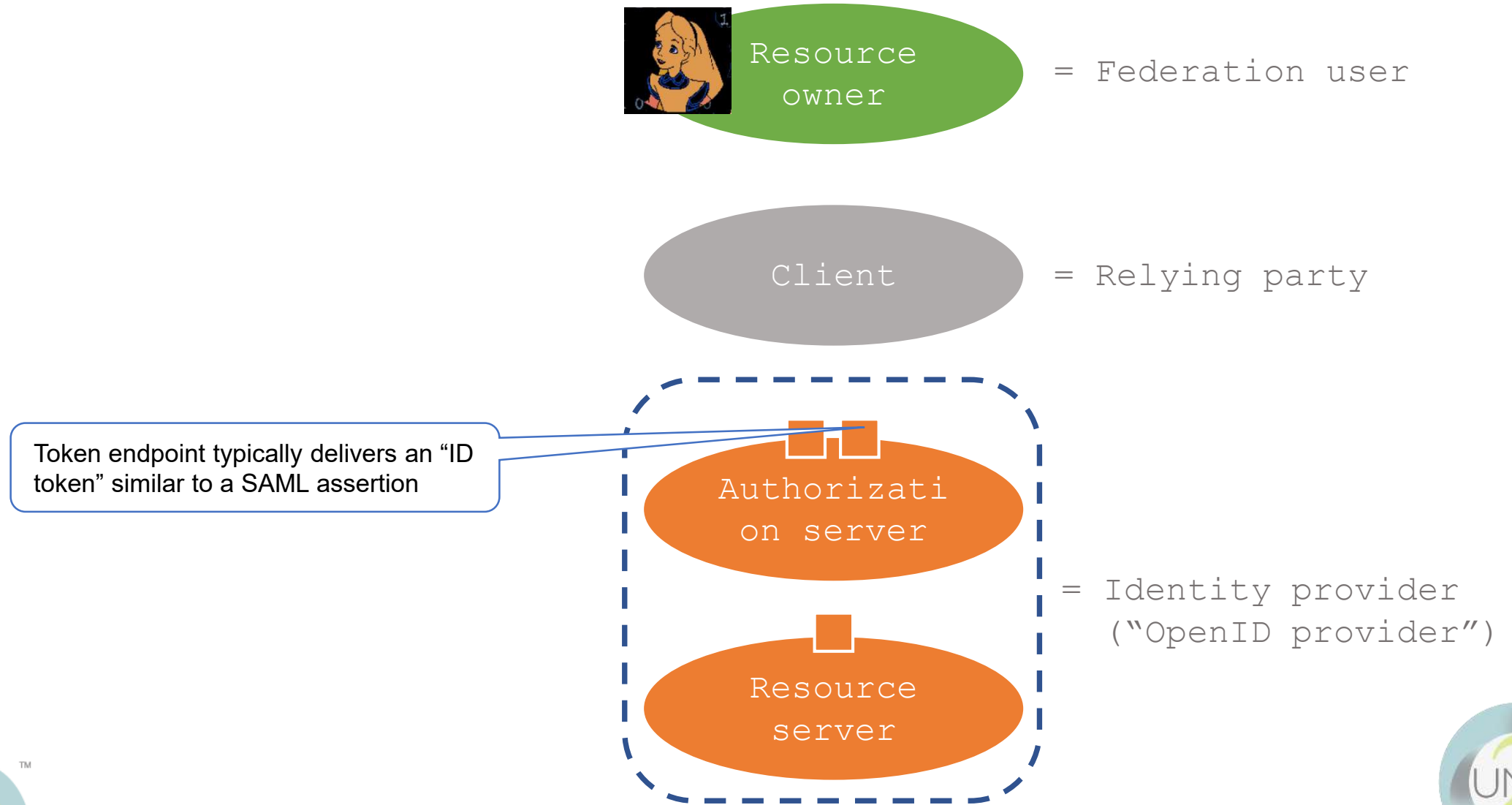
OpenID Connect does modern-day federation

It is an OAuth-protected identity API, plus a bit more



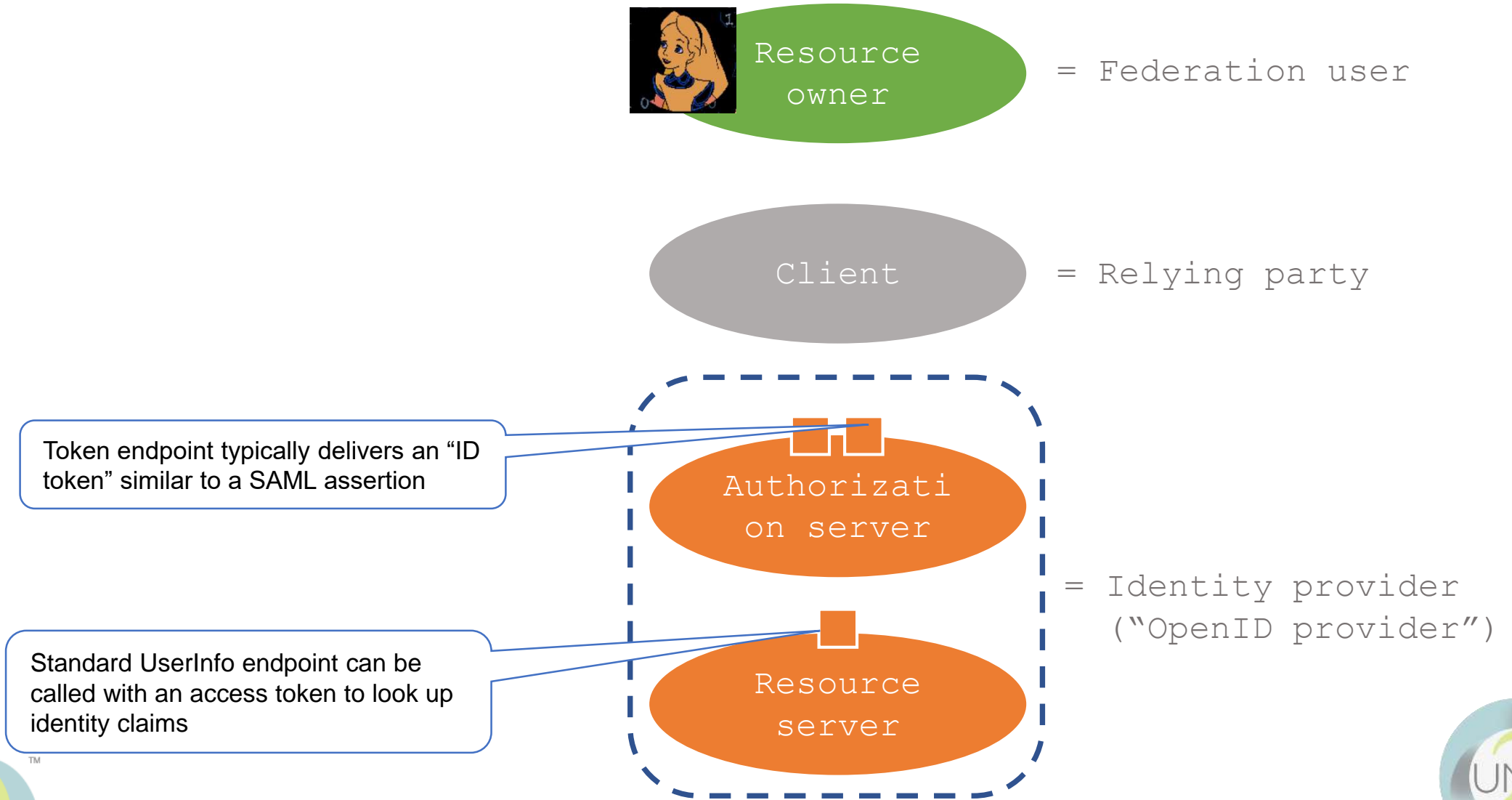
OpenID Connect does modern-day federation

It is an OAuth-protected identity API, plus a bit more



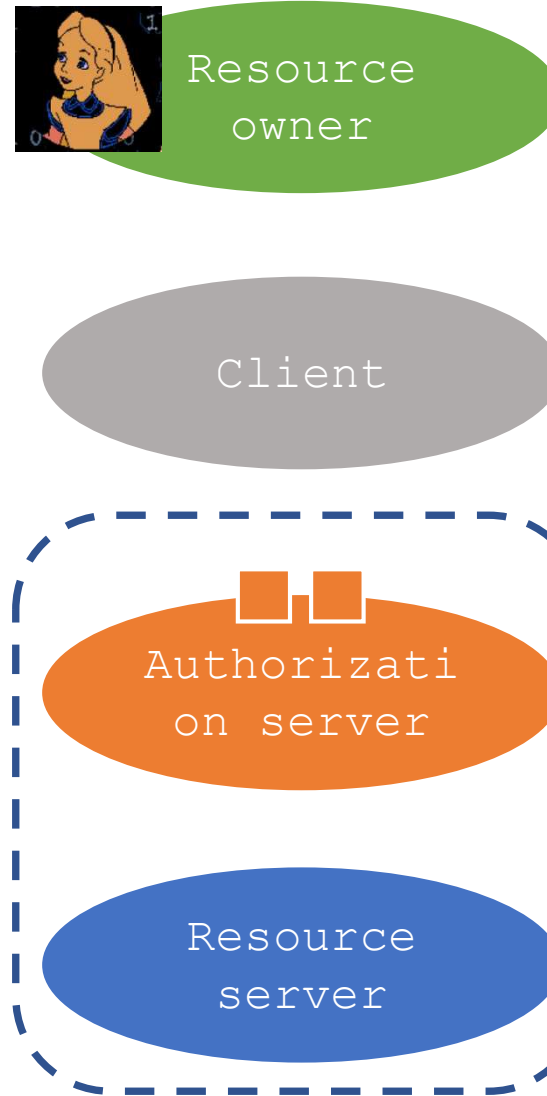
OpenID Connect does modern-day federation

It is an OAuth-protected identity API, plus a bit more



User-Managed Access is for cross-party sharing

UMA brings next-gen delegation and consent to OAuth

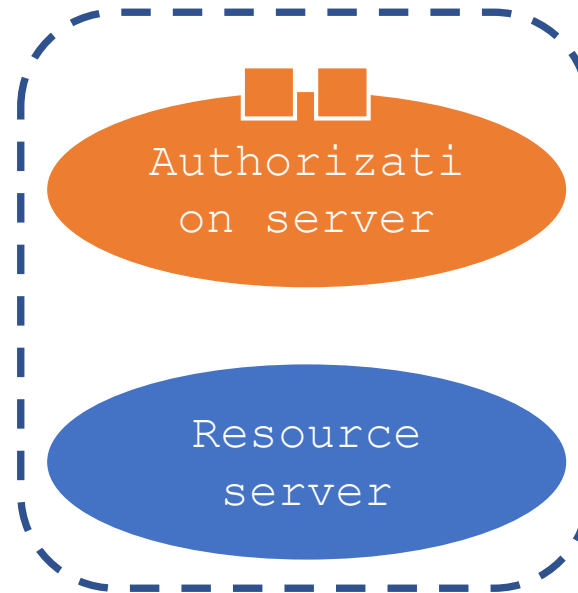


User-Managed Access is for cross-party sharing

UMA brings next-gen delegation and consent to OAuth



Resource
owner



User-Managed Access is for cross-party sharing

UMA brings next-gen delegation and consent to OAuth



Resource
owner



User-Managed Access is for cross-party sharing

UMA brings next-gen delegation and consent to OAuth



Resource
owner



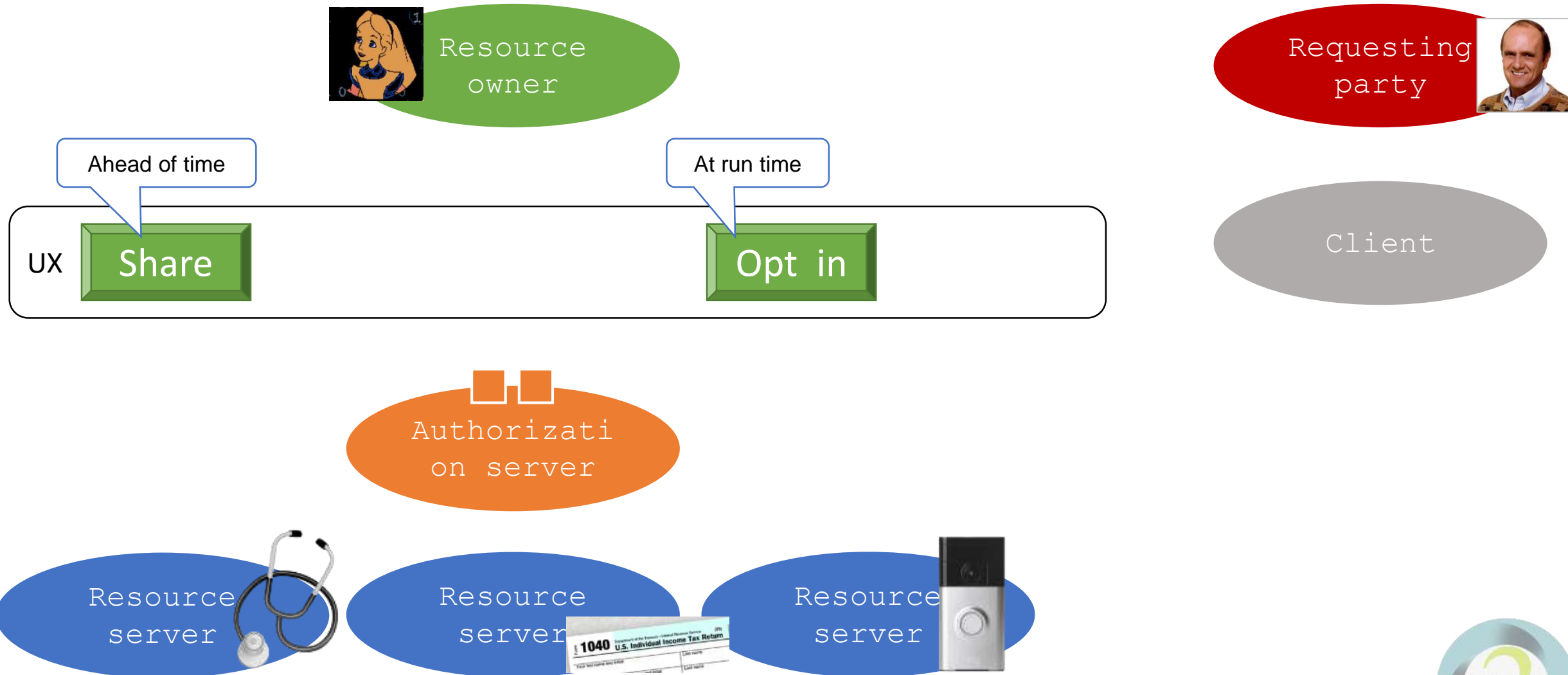
User-Managed Access is for cross-party sharing

UMA brings next-gen delegation and consent to OAuth



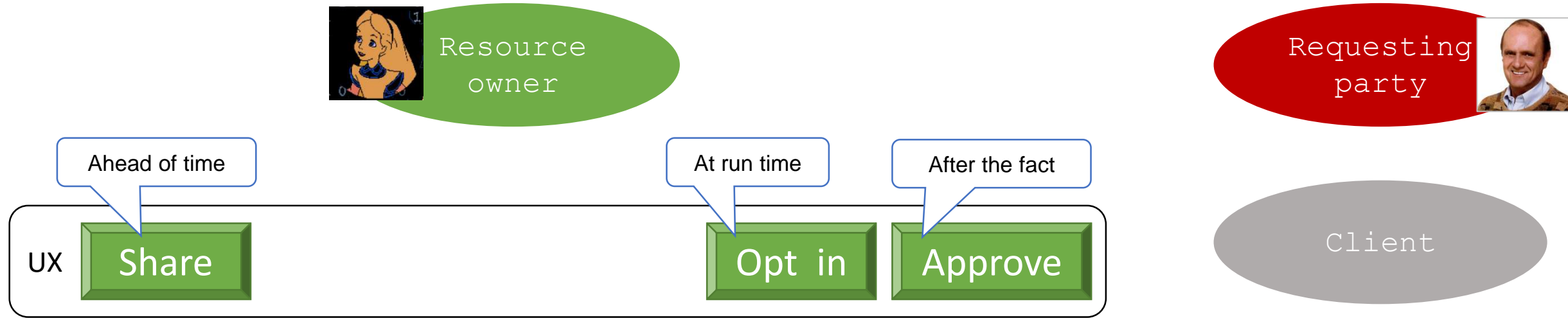
User-Managed Access is for cross-party sharing

UMA brings next-gen delegation and consent to OAuth



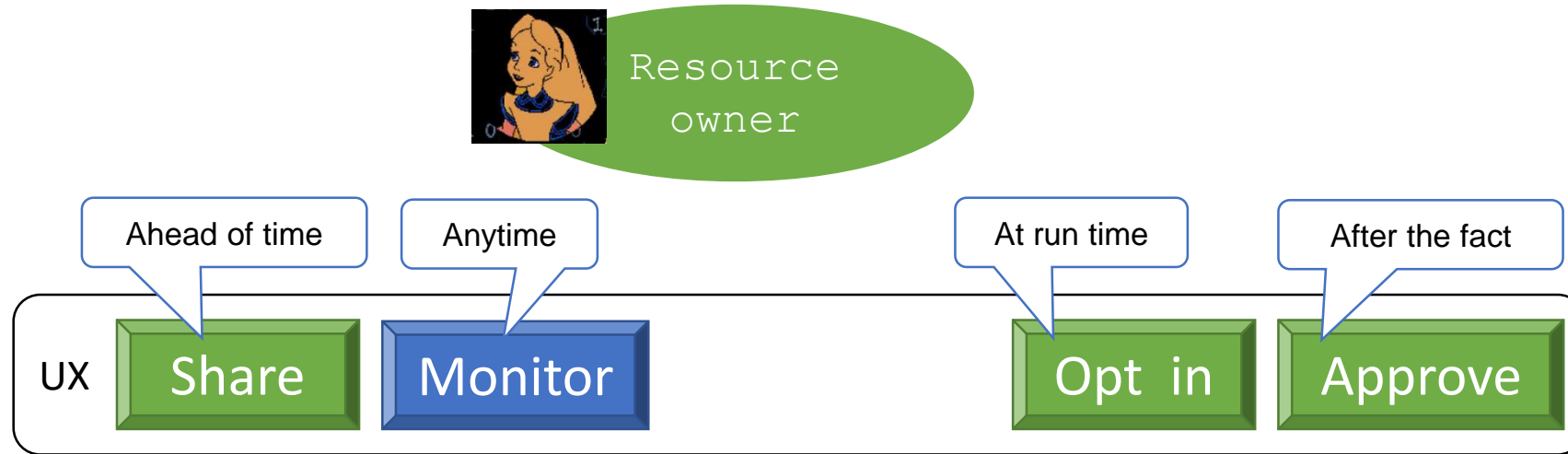
User-Managed Access is for cross-party sharing

UMA brings next-gen delegation and consent to OAuth



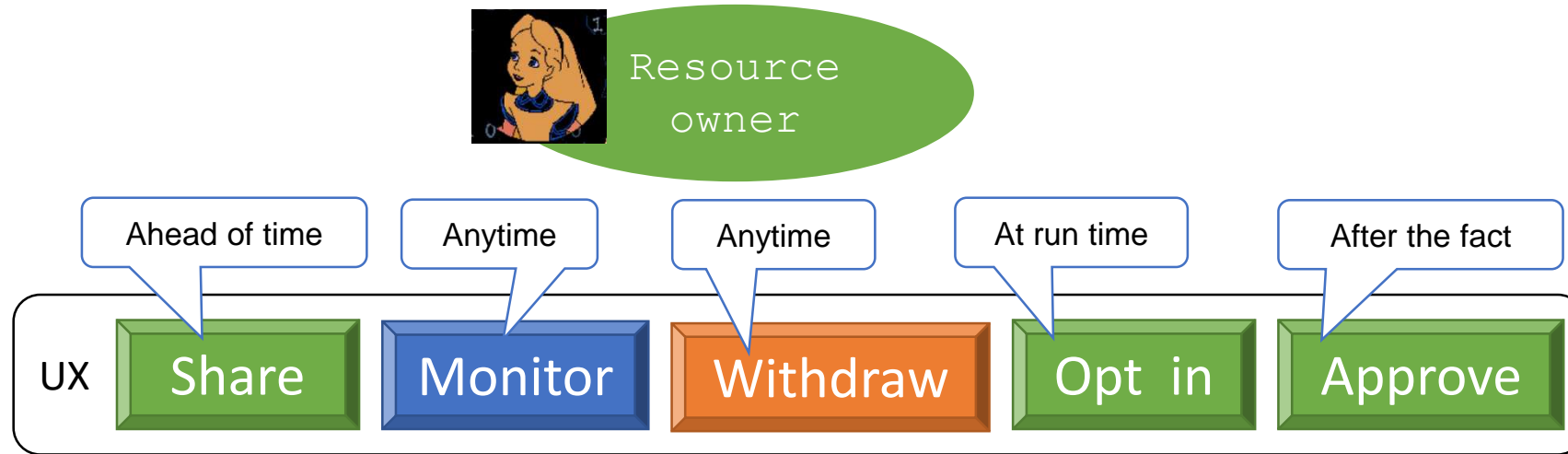
User-Managed Access is for cross-party sharing

UMA brings next-gen delegation and consent to OAuth



User-Managed Access is for cross-party sharing

UMA brings next-gen delegation and consent to OAuth



Questions? Thank you! Join us!

Eve Maler, WG chair

eve.maler@forgerock.com | @xmlgrrrl

15 May 2018

<http://tinyurl.com/umawg/> | @UMAWG