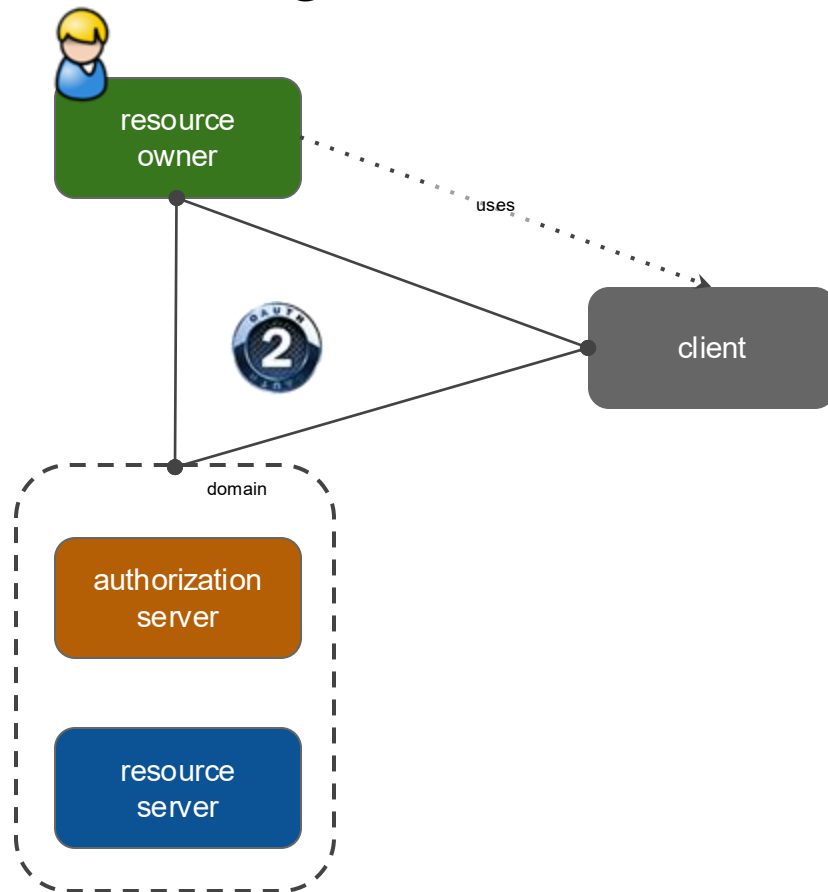


What OAuth does, in light of UMA goals

“ALICE-TO-SELF” SHARING

OAuth enables **constrained delegation** of access to **apps**, on **request**

Alice can **agree** to app connections and also **revoke** them

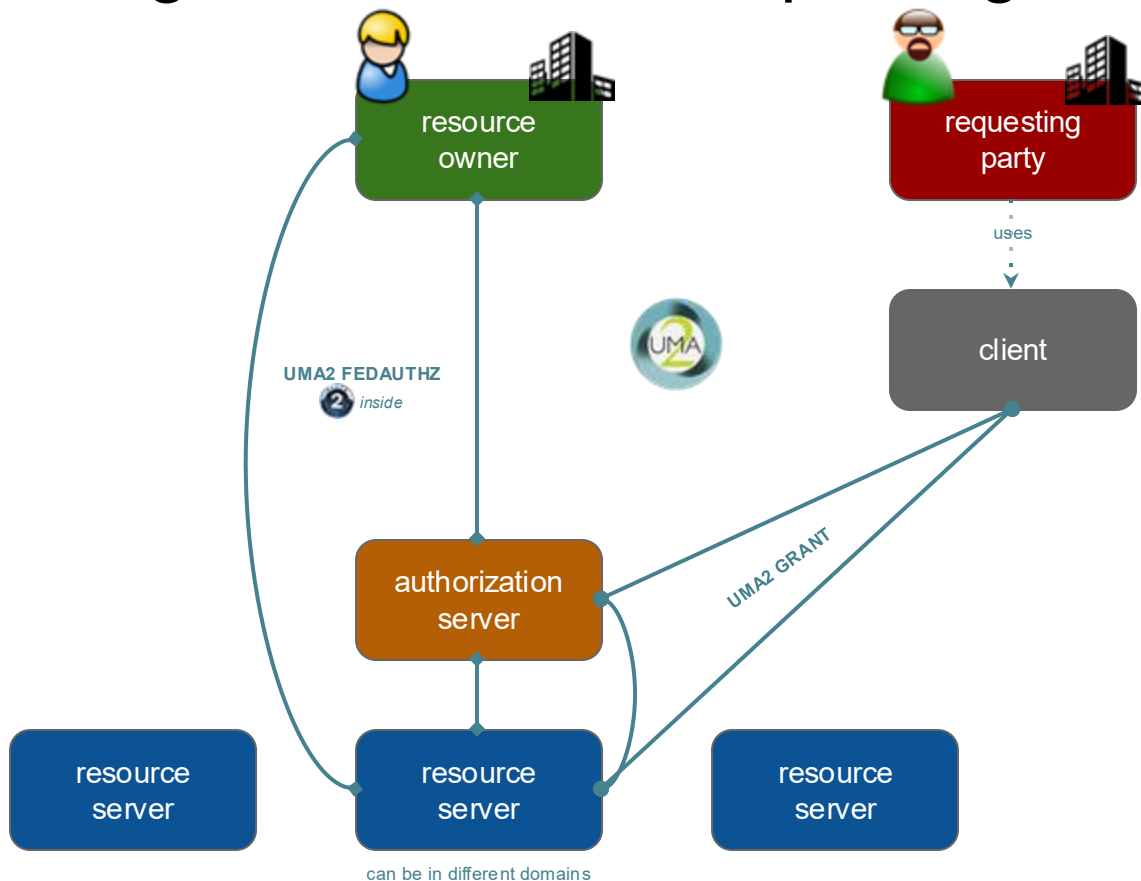


What UMA does, in light of OAuth underpinnings

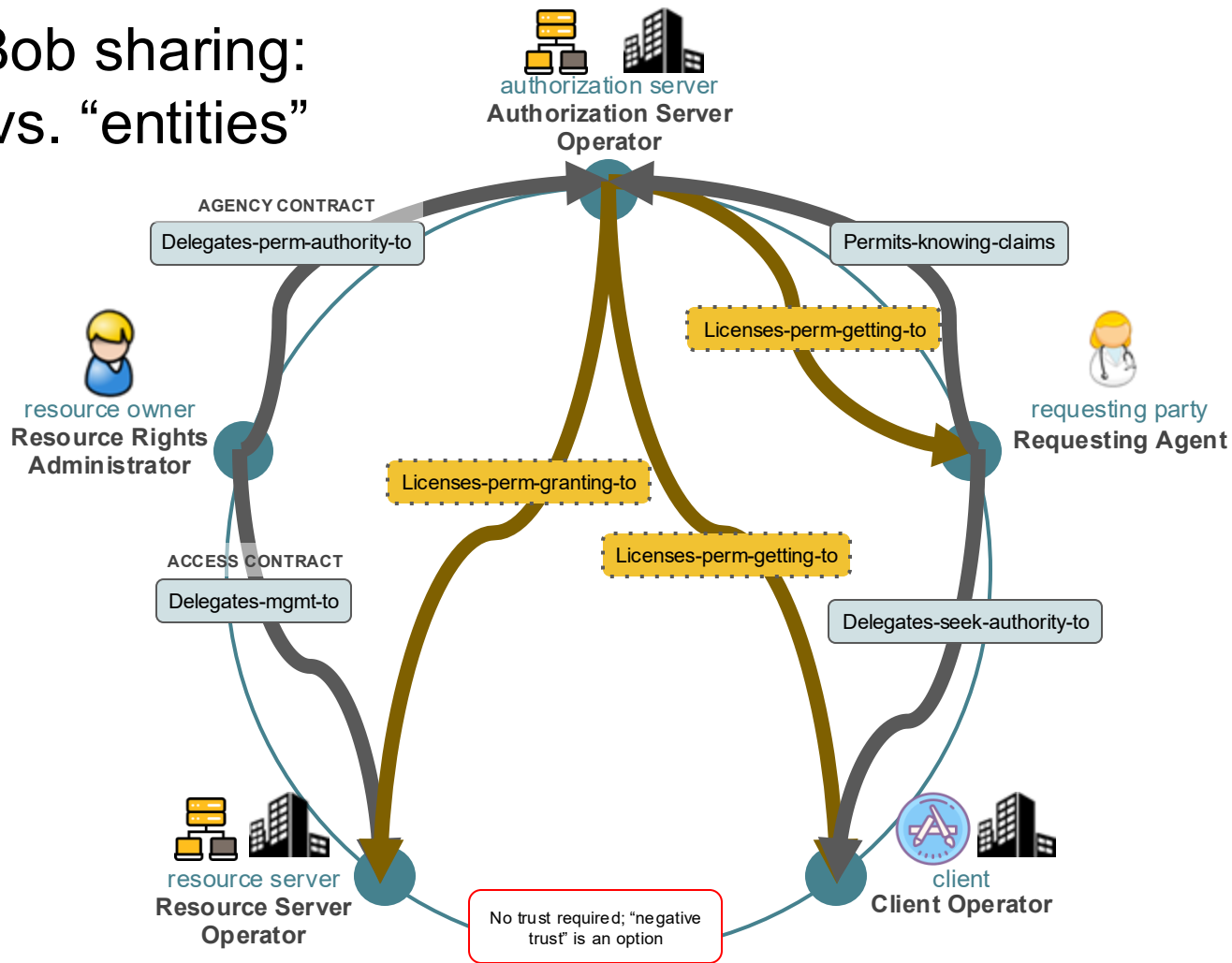
“ALICE-TO-BOB” SHARING

UMA adds **control** of **cross-party sharing**, letting Alice be **absent** when Bob uses a client to attempt access

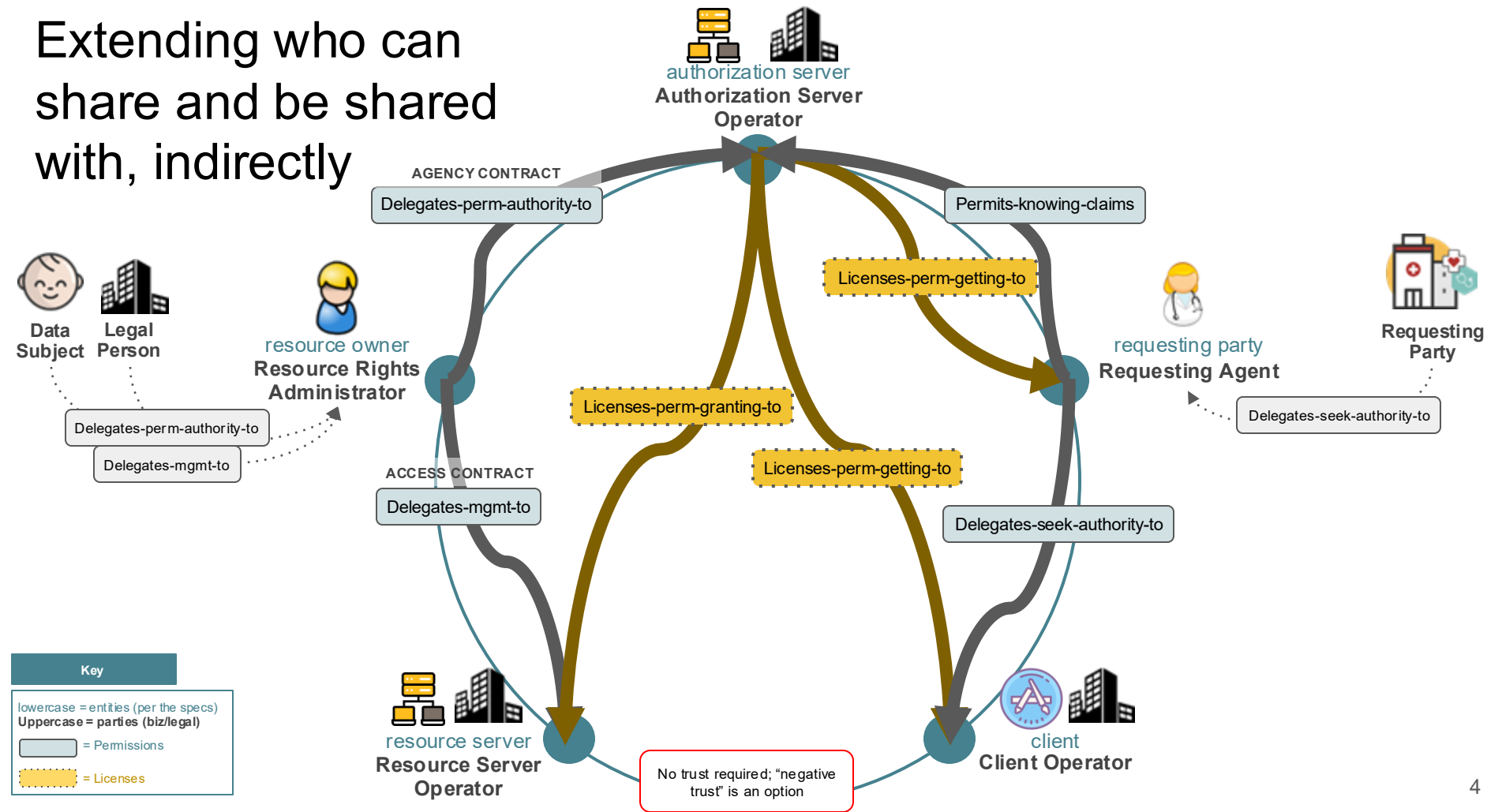
Alice **controls trust** between resource hosts and authorization services – enabling a **wide ecosystem** of resource hosts, so Alice can manage sharing **across** them



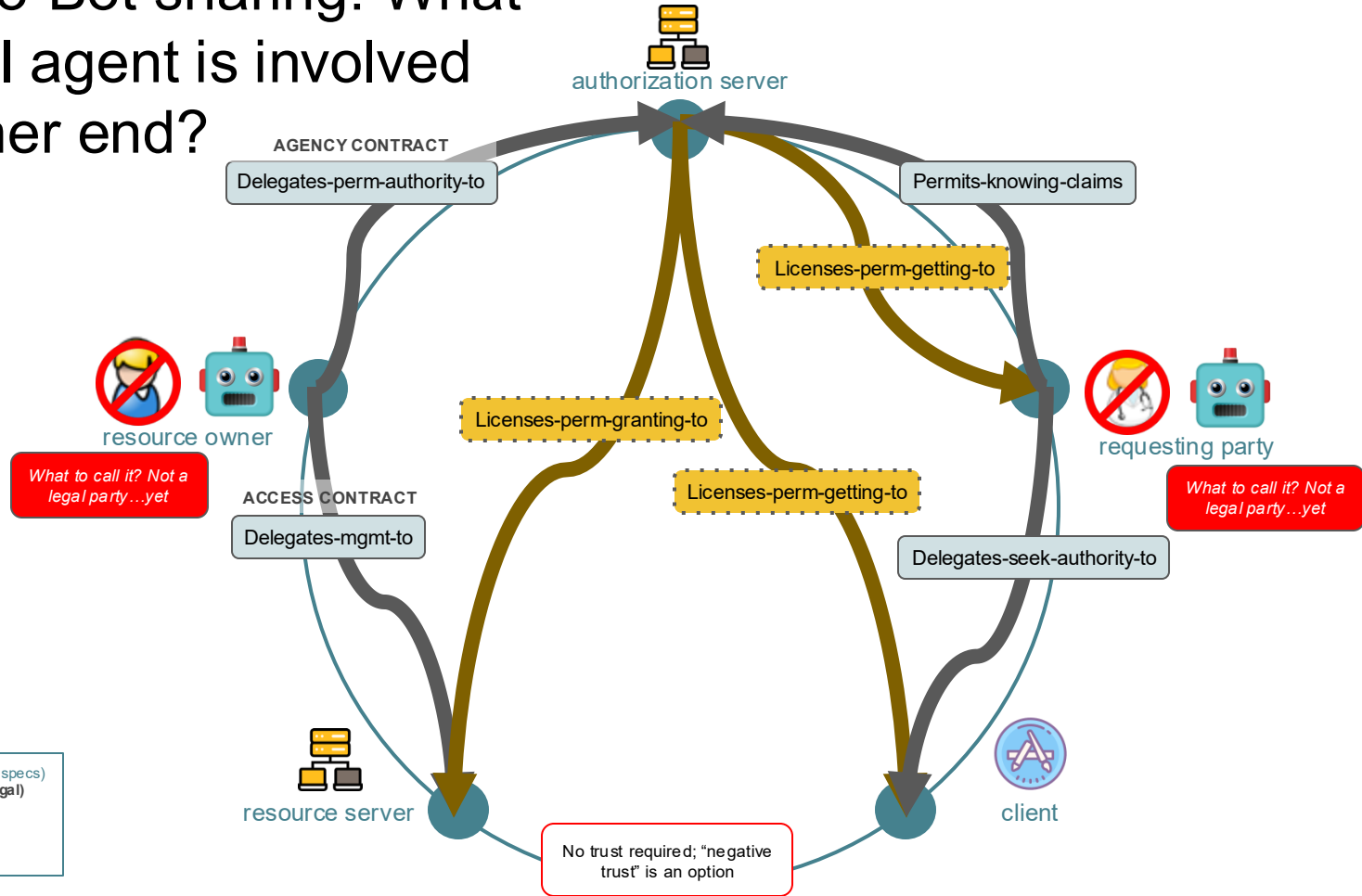
Alice-to-Bob sharing: “parties” vs. “entities”



Extending who can share and be shared with, indirectly












Alice-to-Bot sharing: What if an AI agent is involved on either end?



More background if there's time...

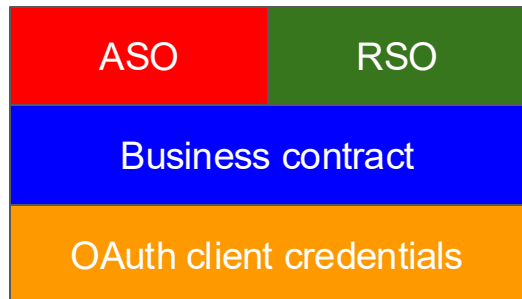
Original stack of sub-licensing intermediaries

		Individual (self - Alice)	Individual (other - Bob)	Legal Person (VendorCo)	licensee
Requesting Party Options	Resource Owner				
		TOS	TOS	TOS	
		 Client Operator	 Client Operator	 Client Operator	
Individual		TOS	 Resource Server Operator		sub-licensor
		TOS	 Authorization Server Operator		
		Individual-to-Self Sharing	Individual-to- Individual Sharing	Individual-to Vendor Sharing	Sharing Scenario

Original example of relationship, legal device, and technical artifact

Legend:

- Red: Pairwise relationship role with greater power
- Green: Pairwise relationship role with lesser power
- Blue: Legal device used between them
- Orange: Technical artifact on the UMA wire



The ASO and the RSO have a business contract wherein the ASO, as sub-licensor of resource permissions on behalf of the RO, sub-licenses to the RSO and enables the RSO to sub-license to COs and RqPs by virtue of giving access/giving content.

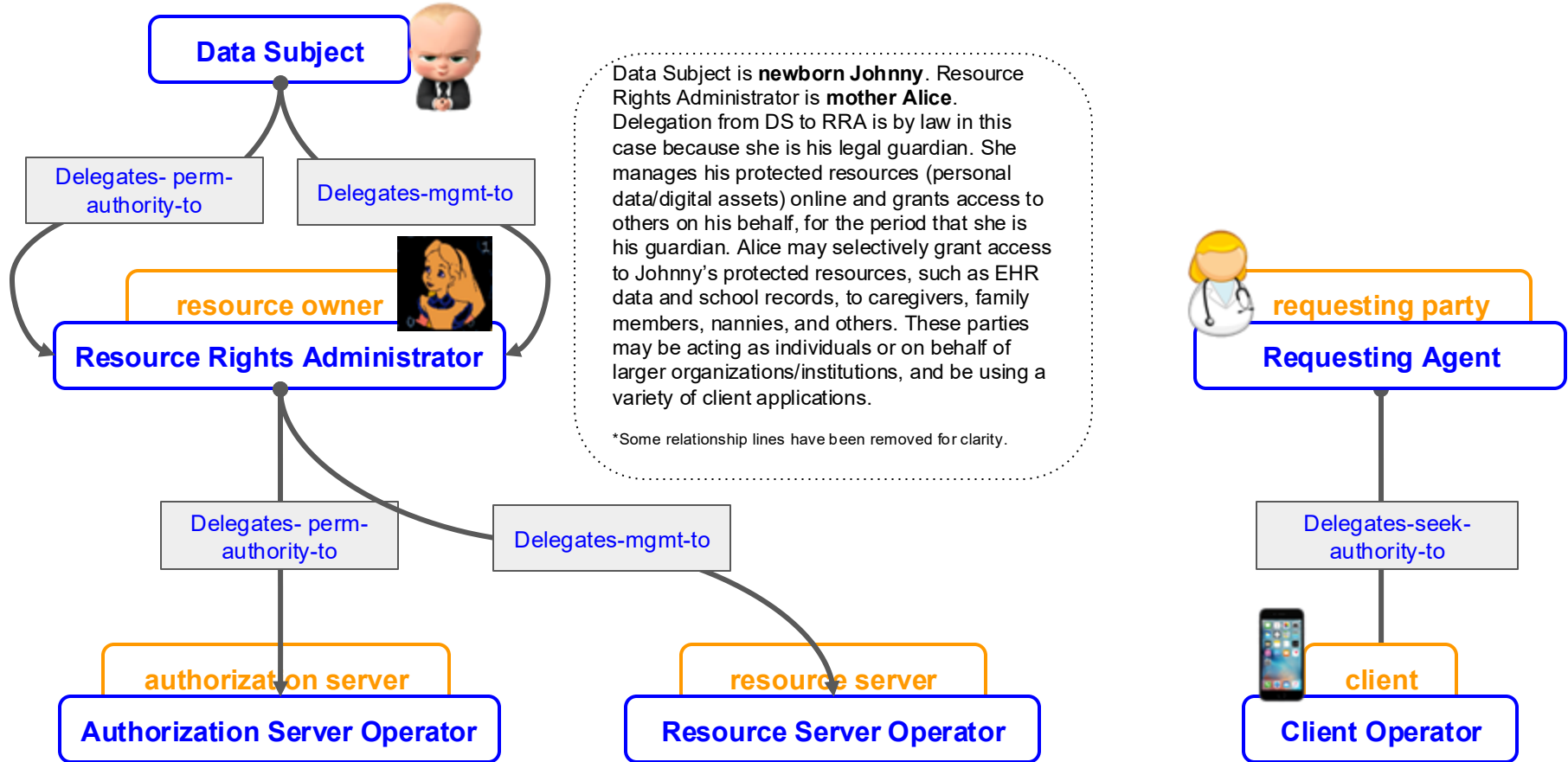
Technology/legal stack relationships

Consent Receipts?
HL7 Consents?
id-events?
PSD2 Consents?

UMA legal framework	Framework extension?
UMA protocol	Some consent tech

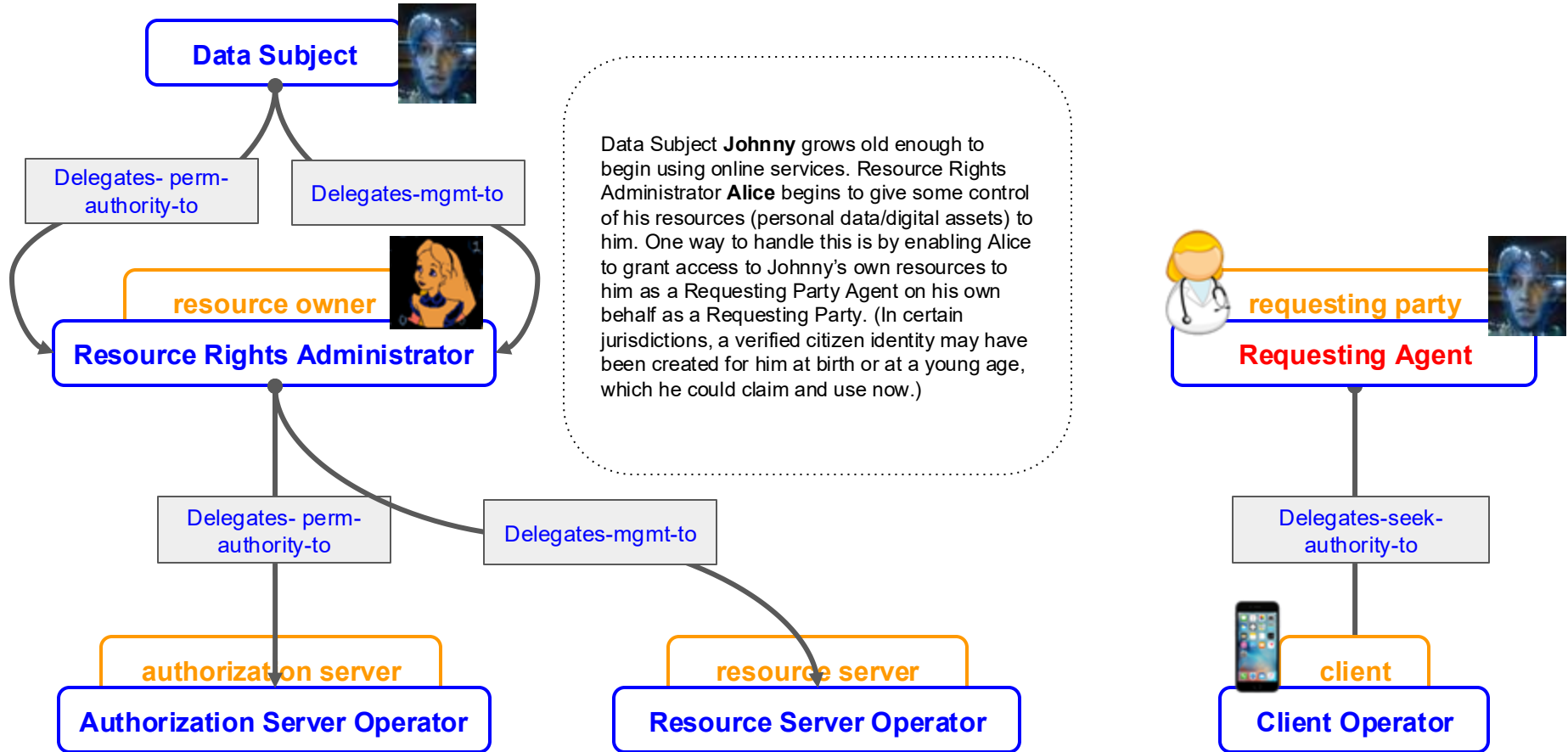
Scenario: Cradle-to-grave

1. Data Subject is too young to use digital assets



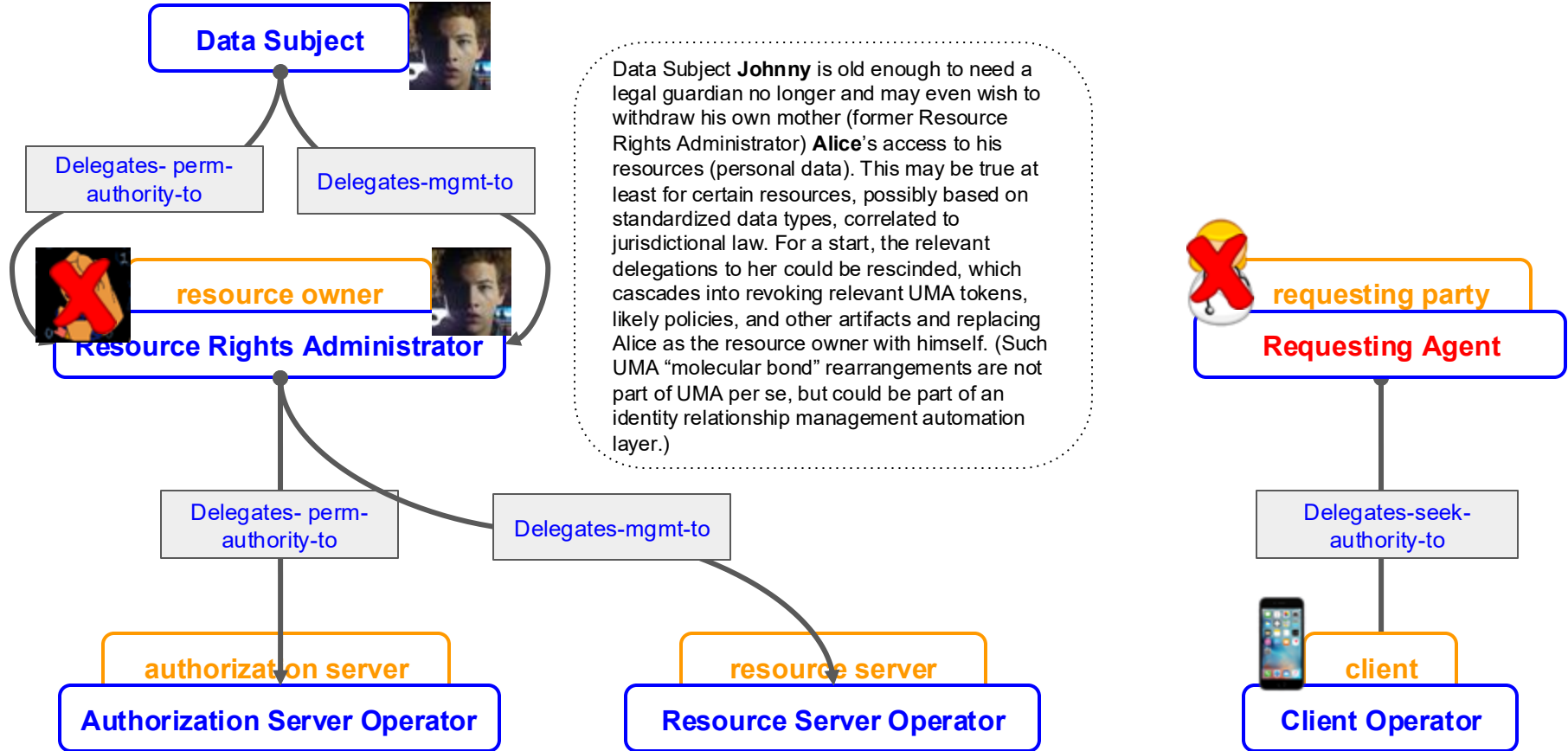
Scenario: Cradle-to-grave

2. Data Subject is old enough to use assets but too young to consent to their use



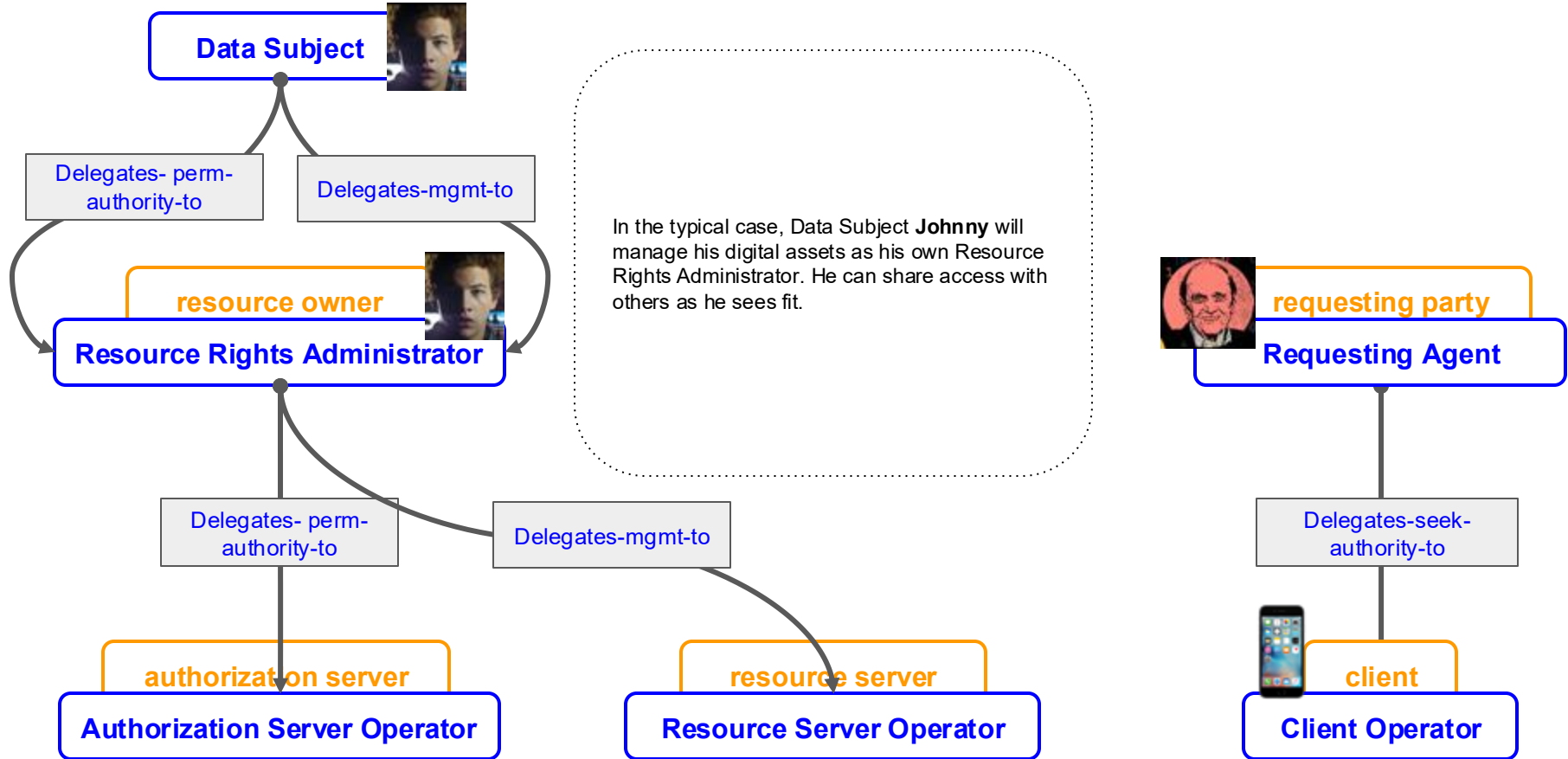
Scenario: Cradle-to-grave

3. Data Subject is old enough to consent to their use and manages digital assets themselves



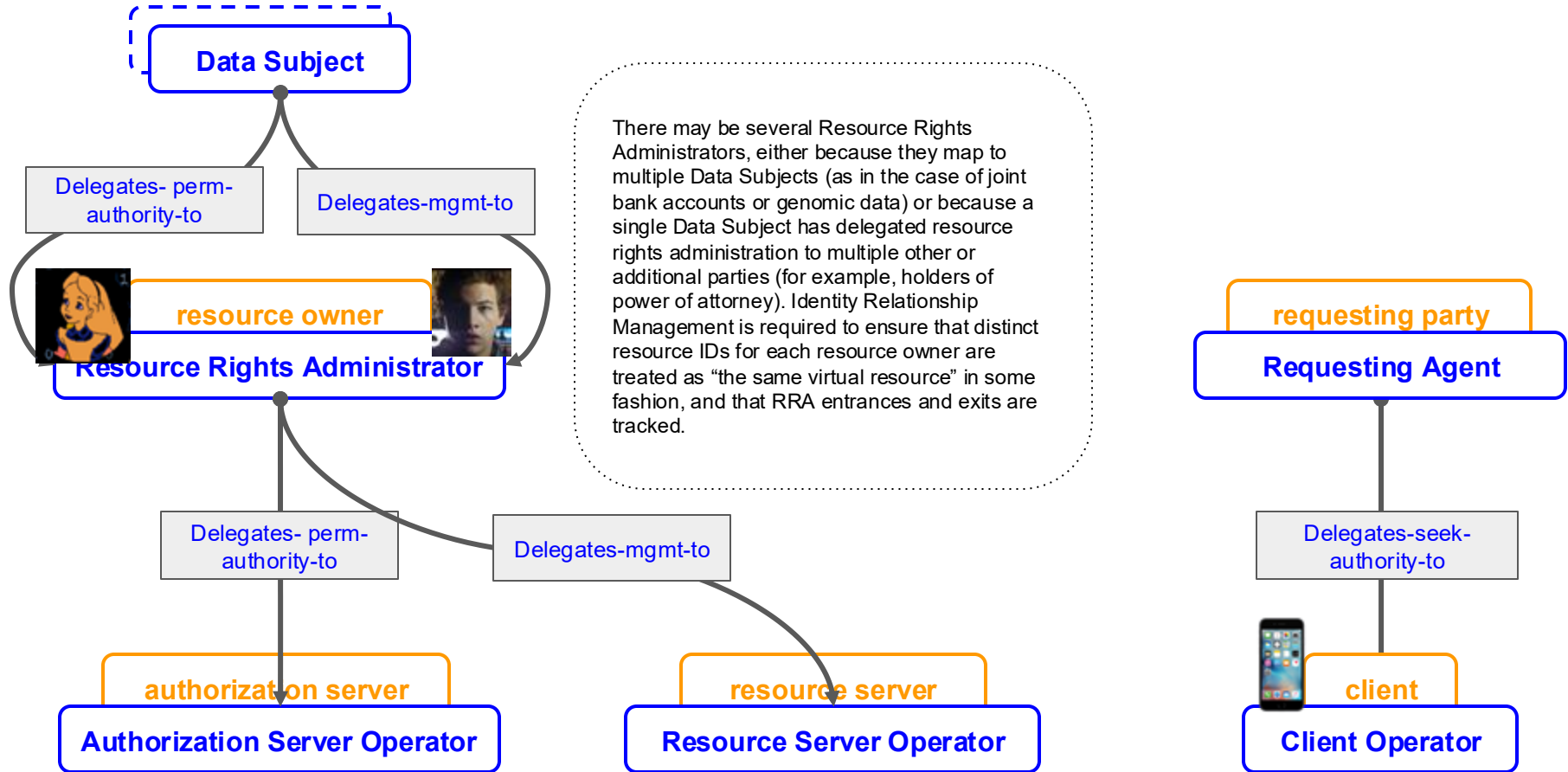
Scenario: Cradle-to-grave

3a. Steady state: Data Subject manages their own digital assets



Scenario: Cradle-to-grave

4. There are multiple administrators of resource rights



Scenario: Cradle-to-grave

5. Data Subject becomes mentally incapacitated or dies

