# Trust Registry Protocol Task Force

## Update 2023-12-07

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# Major Updates

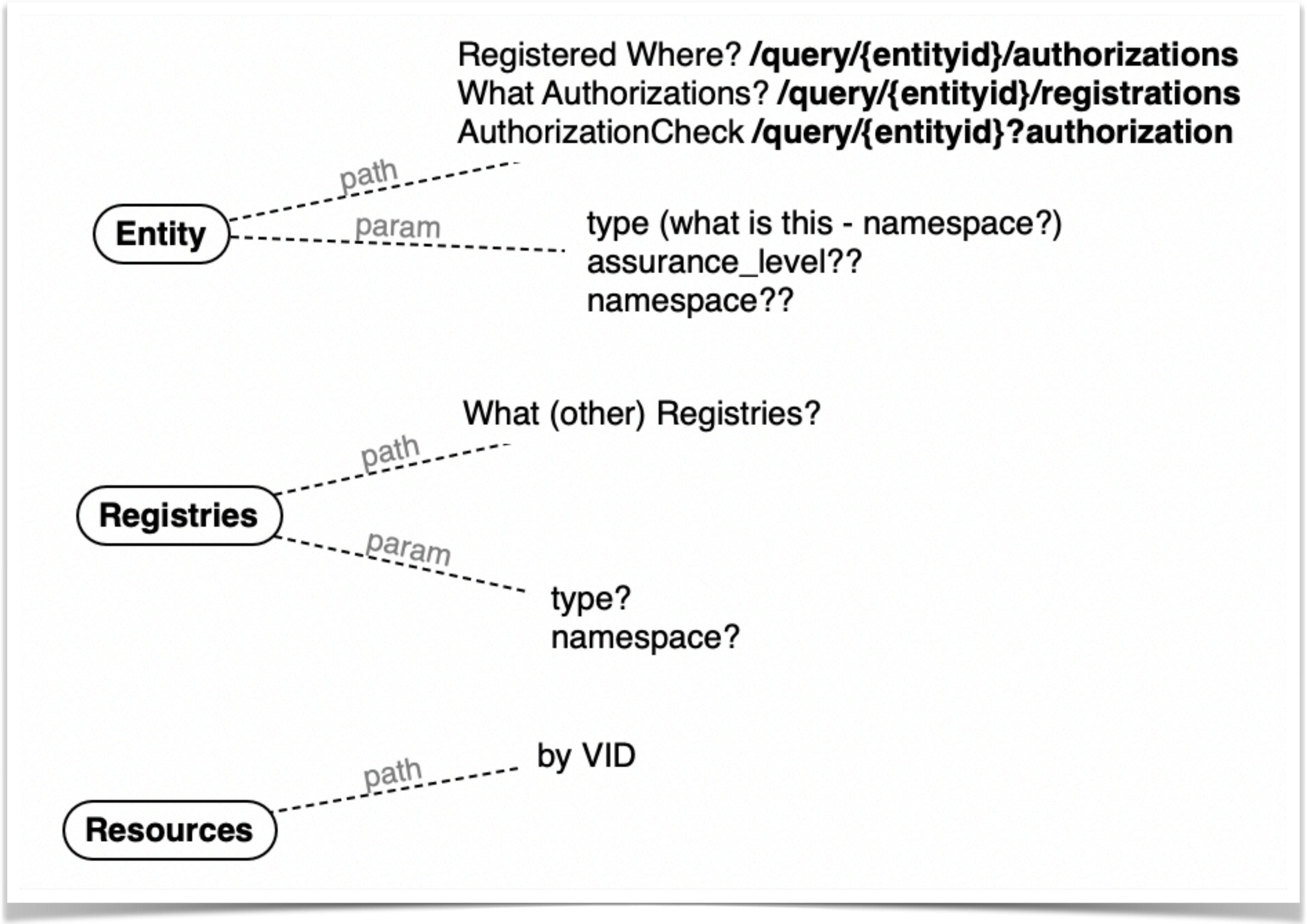
- Swagger/OAS is the “source of truth”
  - data structures, endpoints defined there
- PlantUML is manually updated and may be out of date, but the ideas are there
- Markdown:
  - requirements.md <— needs attention
  - README.md <— very much a pile of WIP

# Swagger

- Source is in github: *v2/api/WIP.toip.trustregistry.api.yaml*
  - Browse in IDE

# Path & Parameter

- */{path}/* for picking the Thing/Things
- /query/{entityid}/authorizations
- *?param* for filtering/refining



Registered Where? **/query/{entityid}/authorizations**
What Authorizations? **/query/{entityid}/registrations**
AuthorizationCheck **/query/{entityid}?authorization**

**Entity**

path

param

type (what is this - namespace?)
assurance_level??
namespace??

What (other) Registries?

**Registries**

path

param

type?
namespace?

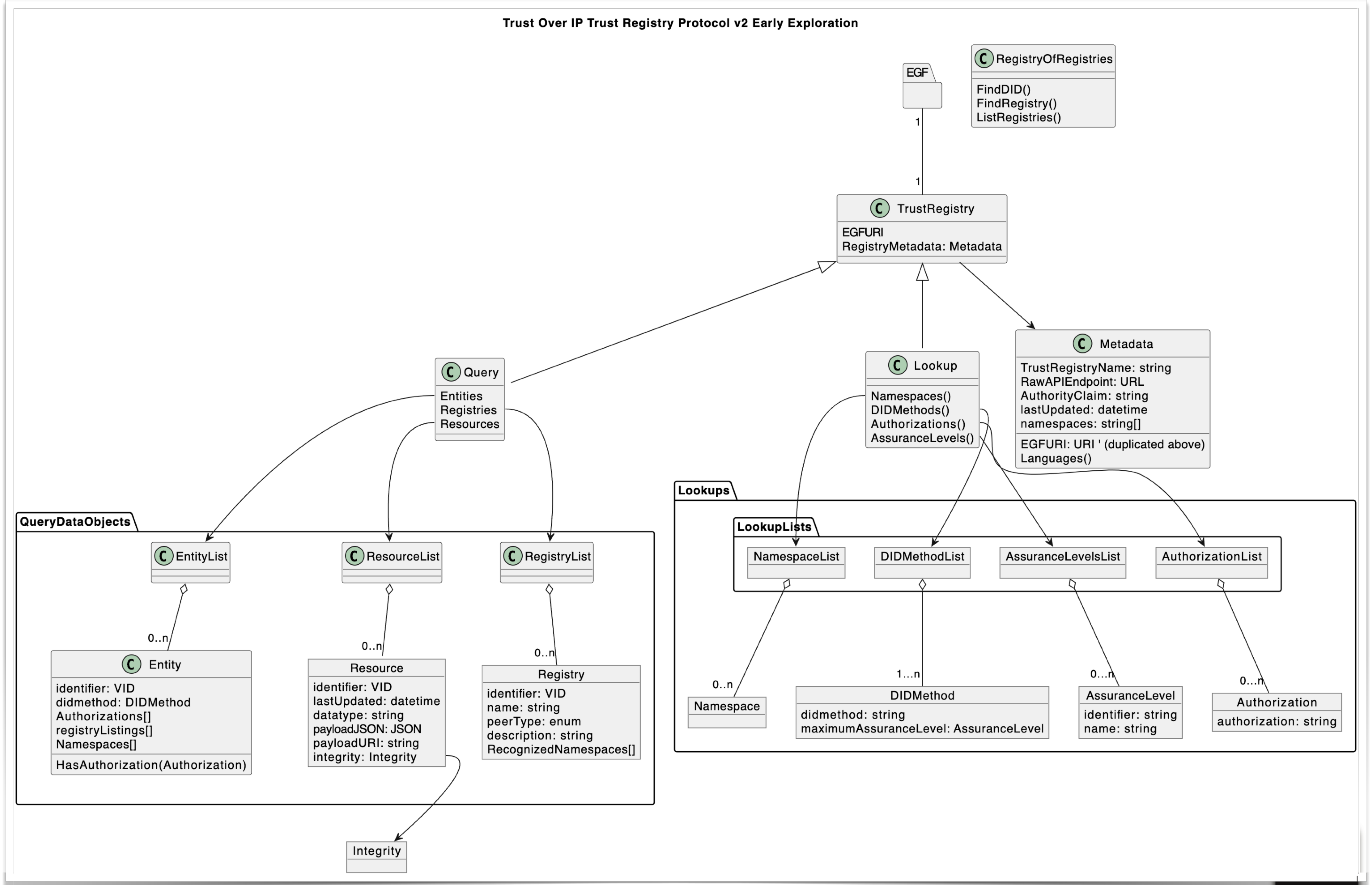
**Resources**

path

by VID

# PlantUML Object Model

- v2/README.md



# Styles/Approaches

- VIDs vs. DIDs
- object naming:
  - schema: ThingType and ThingListType
  - e.g. DIDMethodType and DIDMethodListType

# DECISION

## Serving vs. Snooping

- Browsing (snooping) vs. Simple Answers
  - RESTful APIs do NOT allow for optional Endpoints. Returning http errors is an option (weird and clunky)
  - May (LIKELY) drive the need for 2 APIs:
    - Basic for TRs that only answer basic questions (is entity authorized) and do NOT allow browsing
      - Common where there may be privacy or proprietary information (education, professionals, closed ecosystems)
      - Removes (at least) the ability to return Lists/Arrays (Entities, Entity Authorizations, Entity Registrations, Entity Namespaces, etc.)
    - “Rich” (need a better term) for full support and Registry-of-Registries capabilities
      - Common for open data (e.g. corporate registrations, public entities)
  - Opens up simpler path for TRs to monetize (appropriately) as well

# Core Trust Registry Use Cases

- (MOVE TO README.md)
  -

# Where Do We Need Help

**PLEASE** do not hesitate to contribute - your ideas and input are far more valuable than you (likely) think.

- Heaviest Lifts - **Swagger** and **requirements.md**
- Lighter Lifts - **README.md** and surrounding text/images (e.g. PlantUML)