Media Types

Register media types useful for REST API

HTTPAPI-WG @ IETF-122

ietf-httpapi-mediatypes
[see the specifications I-D REST-API]

Goals

- increase interoperability when processing API specification

- leverage content negotiation when exchanging API resources

- simplify cooperative development and cataloguing of API and schemes

- do not disrupt current implementations, respect engaged communities: JSON Schema, OpenAPI

https://github.com/ietf-wg-httpapi/mediatypes/

Rationale

OpenAPI Specification relies on JSON Schema, but media types have **not been registered**

No interoperable way of **content negotiating** OAS documents or JSON schema

https://github.com/ietf-wg-httpapi/mediatypes/

Media Types application/*

OpenAPI: `openapi+json` & `openapi+yaml`

JSON Schema: `schema+json` & `schema+yaml`

~~**JSON LD**~~: YAML-LD moved to W3C JSON-LD workgroup, relies on I-D.ietf-httpapi-yaml-mediatypes

YAML: published RFC9512

Legend: quick win, work needed, some disagreement

REST API

It's now decoupled from JSON Schema. Fragment is deferred to the OAS spec.

Issue/PR:
- #110 (#121) Interoperability considerations on referenced resources
- #125 Support all OAS versions from 2.0

After that, it's ready for WGLC :)

…

JSON Schema

JSON Schema registration requires further interactions between IETF and JSON Schema community

Should we just register the media types leaving further details to the non-IETF specifications?

https://author-tools.ietf.org/api/iddiff?doc_1=draft-ietf-httpapi-yaml-mediatypes&url_2=https://ietf-wg-httpapi.github.io/mediatypes/draft-ietf-httpapi-yaml-mediatypes.txt

Thanks!

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Backup slides