

# Media Types

Register media types useful for REST API

HTTPAPI-WG @ IETF-121

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

# 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

# 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:

- [#115](#) ([#117](#)) track obsolete media types (e.g. vnd.oai.openapi)
- [#110](#) ([#118](#)) [Object Type parameter for OAS media type](#) (e.g. convey that the content is not a complete OAS file but only a referenceable part, like a single Schema)

...

# 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](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

