

REST API Media Types

Register media types useful for REST API

HTTPAPI-WG @ IETF-113

ietf-httpapi-ratelimit-headers

[\[see the specifications\]](#)

Goals

- increase interoperability when processing API specification
- leverage content negotiation when exchanging API resources
- simplify cooperative development and cataloguing of API and schemes

Rationale

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

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

YAML users do not have interoperability and security considerations

Media Types application/*

YAML: `yaml` & `+yaml`, provide interoperability and security considerations, foundation for `openapi+yaml`

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

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

JSON LD: `ld+yaml`

Legend: `quick win`, `work needed`, `more work needed`, `some disagreement`

Communities engaged

OpenAPI

YAML

JSON Schema

JSON LD

Open issues

- [#1](#) engage with media-types ML when WGLC
- [#21](#) defer fragment identifier considerations
- [#22](#) normative language in media type registration
- [#8](#) JSON Id+yaml
- [#18](#) JSON schema+yaml

Changes from -00

- add JSON Schema media types application/schema+json
- add +yaml Structured Syntax Suffix
- add YAML Interoperability & Security Considerations

<https://www.ietf.org/rfcdiff?url2=draft-ietf-httpapi-rest-api-mediatypes-01>

FAQ

Q: Do we need this?

A: Yes, we do :)

Thanks!

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Backup slides