Media Types

Register media types useful for REST API and YAML

HTTPAPI-WG @ IETF-115

ietf-httpapi-mediatypes
[see the specifications I-D YAML, 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: YAML, JSON Schema, OpenAPI, JSON-LD

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

https://github.com/ietf-wg-httpapi/mediatypes/
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**: YAML-LD moved to [W3C JSON-LD workgroup](https://www.w3.org/2014/10/), relies on I-D.ietf-httpapi-yaml-mediatypes

Legend: quick win, work needed, some disagreement

[https://github.com/ietf-wg-httpapi/mediatypes/](https://github.com/ietf-wg-httpapi/mediatypes/)
Changes from -03

YAML is in WGLC and there's positive feedback from Media Type folks:

- #69 .yaml is the preferred extension, .yml is legacy
- #67 Relations with mediaman-suffixes (no changes needed)

REST API needs more feedback from JSON Schema community.

Open issues (YAML only)

#1 engaged with media-types ML when WGLC

● #66 Do we need clipboard identifiers for windows and MacOS?

Probably, we don't need this since these registration mechanisms seem to be proprietary.

We propose to move forward and publish the specifications.

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

Roberto Polli - robipolli@gmail.com
Eemeli Aro - eemeli@gmail.com
Erik Wilde - erik.wilde@dret.net
FAQ

Q: Do we need this?

A: Yes, we do :)
Backup slides