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

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**: `ld+yaml`

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

[https://github.com/ietf-wg-httpapi/mediatypes/](https://github.com/ietf-wg-httpapi/mediatypes/)
Communities engaged

OpenAPI

YAML

JSON Schema

JSON LD

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

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

https://github.com/ietf-wg-httpapi/mediatypes/
Changes from -00

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

FAQ

Q: Do we need this?
A: Yes, we do :)
Thanks!

Roberto Polli - robipolli@gmail.com
Backup slides