

22 March 2024

# IETF 119 HTTPAPI

This session is being recorded

# Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

# Note Really Well

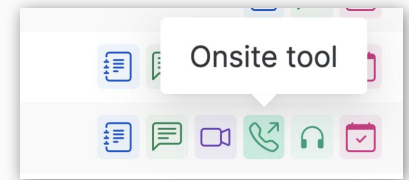
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# IETF 119 Meeting Tips

## In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the “Meetecho lite”) client to:
  - join the mic queue
  - participate in shows of hands
- *Keep audio and video off if not using the onsite version.*



## Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

# Resources for IETF 119 Brisbane

- Agenda  
<https://datatracker.ietf.org/meeting/agenda>
- Meetecho and other information:  
<https://www.ietf.org/how/meetings/preparation>
- If you need technical assistance, see the Reporting Issues page:  
<http://www.ietf.org/how/meetings/issues/>

# Administrivia

- Note taker(s)?
- Agenda; any changes needed?
  - Post-WGLC status
  - Status of current documents
    - api-catalog
    - auth-link
    - link-hints
    - rest-api-mediatypes
    - depreciation
    - idempotency
    - byterange
  - AOB

# Post-WGLC document statuses

- YAML media type is RFC 9512
- Link-template: approved by IESG, going to IETF LC
- Ratelimit headers: expired, but still being worked on

# api-catalog

example.com

/.well-known/api-catalog

```
▼ linkset [3]
  ▼ 0 [5]
    anchor : https://developer.example.com/apis/foo\_api
    ▶ service-desc [1]
    ▶ status [1]
    ▶ service-doc [1]
    ▶ service-meta [1]
  ▼ 1 [4]
    anchor : https://www.example.com/apis/bar\_api
    ▶ service-desc [1]
    ▶ status [1]
    ▶ service-doc [1]
  ▼ 2 [3]
    anchor : https://apis.example.net/apis/cantona\_api
    ▶ service-desc [1]
    ▶ service-doc [1]
```

[developer.example.com/apis/foo\\_api](https://developer.example.com/apis/foo_api)

[www.example.com/apis/bar\\_api](https://www.example.com/apis/bar_api)

[apis.example.net/apis/cantona\\_api](https://apis.example.net/apis/cantona_api)



# api-catalog

## Goal

- Aims to facilitate machine discovery and automated consumption of APIs
- Defines the 'api-catalog' well-known URI and link relation

## Key changes following feedback from IETF 118 and mailing list:

- accountedforAPI is distributed across a Publisher's multiple domains
- Support for internal discovery of private APIs
- expanded formats, recommended Linkset
- Reinstated the api-catalog link relation and clarified its usage
- Added a Profile URI to help identify an API Catalog linkset...
  - ...and hence removed the 'collection' relation, but kept 'item'
- Added 'and link relation' to the I-D title, plus general wordsmithing

# auth-link

- Just refreshed
- Going to ask security directorate (secdir) for review

# link-hints

First, last, and only issue:

"Right now the data model is JSON-based, which allows arbitrary depth and is not terribly good in HTTP fields and other places like HTML attributes.

We could subset JSON like Structured Fields does, or we could adopt the SF type system (or a subset of it)."

# rest-api-mediatypes

- Nine open issues (from early 2022)
- Additional author, not much work
- WG interest?

# depreciation

- Volunteer to help finish this?

# idempotency

- Was in WGLC
- Some issues identified (thanks Mark)
- Needs revision
- Will be a new WGLC

# byterange

- Just refreshed
- Might suggest HTTP protocol changes that are similar

AOB