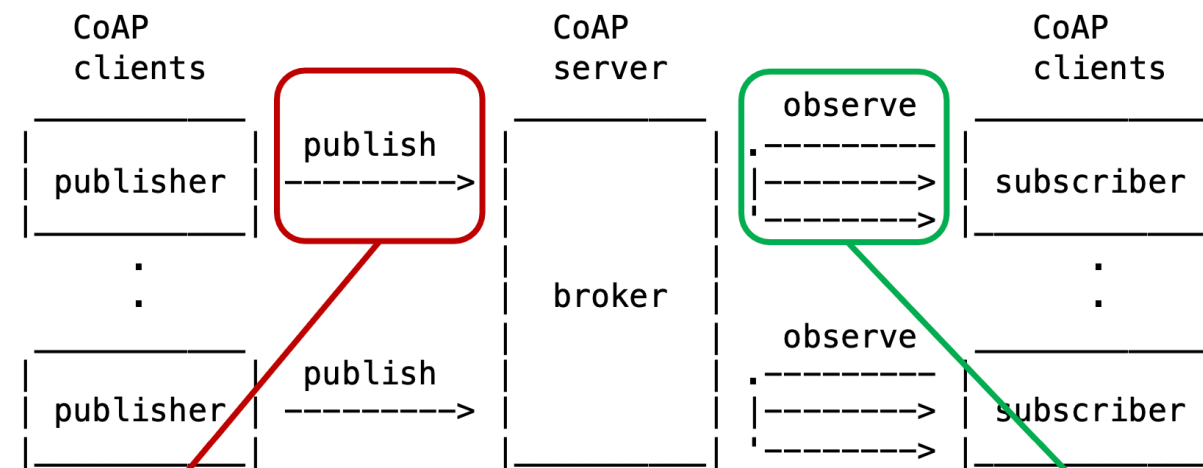


# **A pubsub architecture for CoAP draft-ietf-core-coap-pubsub**

Jaime Jiménez, IETF121, 2024-11-05

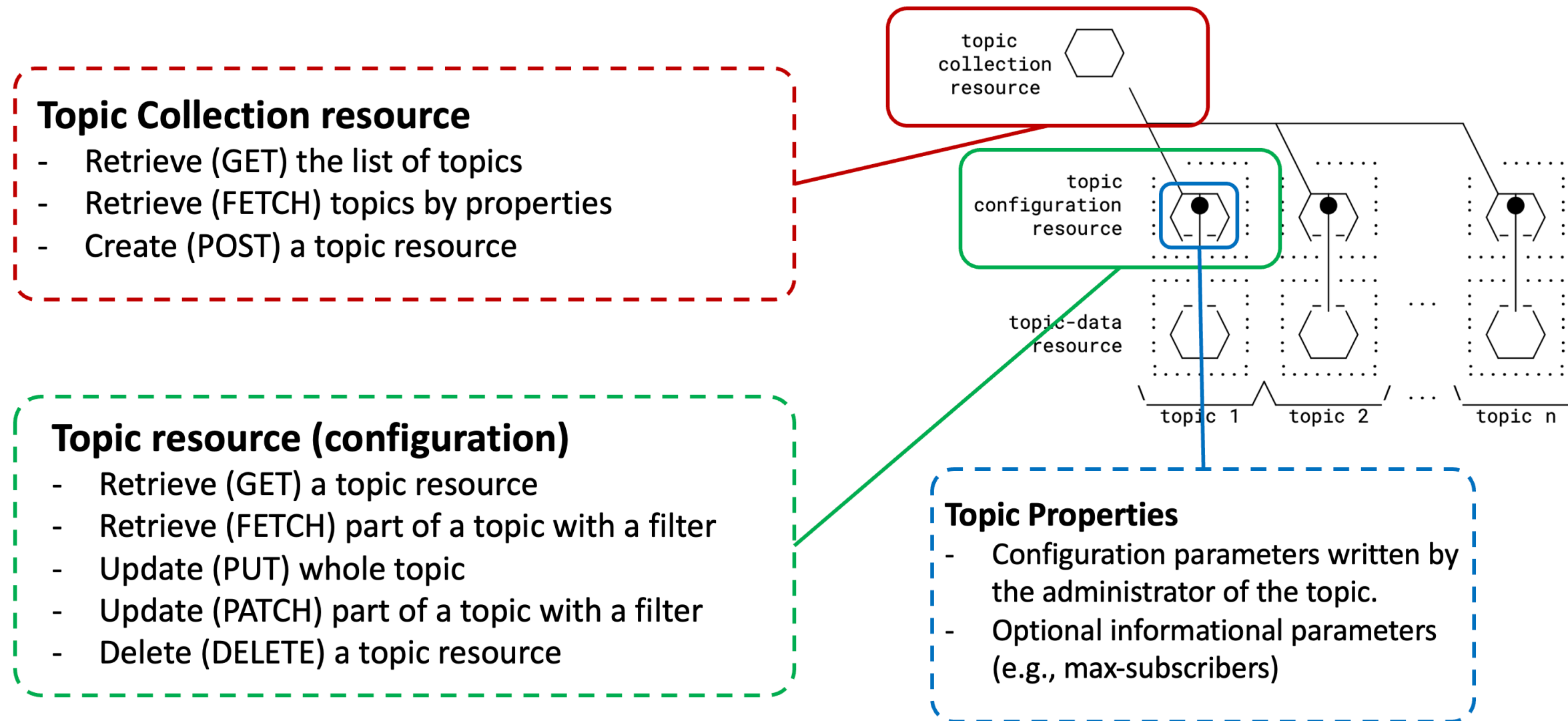
# Recap: Architecture Overview



```
0.03 PUT <broker_URI>/ps/data/225acdd =>
{
  "n": "temperature",
  "u": "Cel",
  "t": 1621452122,
  "v": 23.5
}
2.04 Changed <=>
```

```
<= 0.01 GET <broker_URI>/ps/data/225acdd
Observe: 0
=> 2.05 Content Observe: 10001
[... Payload data...]
=> 2.05 Content Observe: 10002
[... Payload data...]
...
```

# Recap: Interface Overview



# Updates v -13 to -14

- Restructured sections for readability.
- Topic Configuration clarification of parameter values.
- Revised interactions for topic configuration.
- Added a section on iPATCH.
- Added more examples for various interactions.
- Updated topic discovery section based on discussions.
- Editorial changes.

# Updates v -14 to -15

- Fixed bug in [commit f32ce486](#) by removing unnecessary code.
- Based on feedback Introduced two optional configuration parameters for topic configuration:
  - `initialize`: Optional boolean; if true, pre-populates the topic-data path, enabling default subscription without a 4.04 error.
  - `topic-history`: Optional unsigned CBOR integer; specifies the number of past resource states to store for a topic.

# Updates v -14 to -15

- Updated all examples to align with RFC9594 format.
- Implemented explicit cancellation of ongoing subscriptions upon modification of topic configuration parameters.
- Incorporated editorial revisions based on received feedback.
- Provided clarifications regarding the creation of Topic Configurations.
- Editorial changes.

# Next Steps

- **WGLC?**