

# JSON Container for vCon

draft-ietf-vcon-vcon-container-01

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# Discussion topics for JSON vCon Container

- Use cases update
- Hackathon update
- Changes from 00
- Issues
- Still to do

# Use Cases

- Contact center  
draft-rosenberg-vcon-cc-usecases
- Messaging  
**New:** draft-mahy-vcon-mimi-messages
- ECRIT/911 call center  
volunteer(s) needed for I-D

# MIMI/vCon: Externally referenced content hash

vCon Container:

url: "https://example.com/my\_vcon"

alg: "SHA-512"

Signature: "OczZYpW\_L0B1DsMSLJqL2jTRJKoj7fTUJ2jhnX70-00"

MIME:

contentHash: "sha256:OczZYpW\_L0B1DsMSLJqL2jTRJKoj7fTUJ2jhnX70-00",

# MIMI/vCon: naming conventions

Snake case vs camel case

vCon Container:

url: "https://example.com/my\_vcon"

alg: "SHA-512"

Signature: "OczZYpW\_L0B1DsMSLJqL2jTRJKoj7fTUJ2jhnX70-00"

MIME:

contentHash: "sha256:OczZYpW\_L0B1DsMSLJqL2jTRJKoj7fTUJ2jhnX70-00",

# IETF 121 Hackathon Update

- New Rust implementation
- Further exploration **redacted**
- Exploration of **appended**

**Repo:**

**<https://github.com/py-vcon/py-vcon>**

# Changes from 00

- CBOR & CDDL removed
- Added application and interaction\_type parameters
- Removed use cases description from introduction
- Updated examples with transcribable conversation recording
- Corrected externally referenced recording link
- Added vCon with transcript/analysis example
- Added redacted example
- Added uuid parameter to JWS form of vCon header object
- Added uuid parameter to JWE form of vCon unprotected object
- Improved IANA considerations section for mediatype (not done)
- Fixed the pretty print/truncation of examples (was dropping some chars)
- Fixed some typos

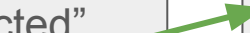
# redacted - remove inline and referenced content

- At IETG 120 Vancouver socialized the idea of removing content from Redacted Object:
  - body
  - encoding
- This leaves **uuid** and **type** and optional **url**, **alg** and **signature** in Redacted Object
- Same for **group** and **appended**

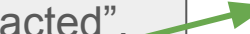


# redacted - tree

```
{  
  uid: "3333",  
  redacted:  
  {  
    type: "most redacted",  
    uuid: "2222"  
  }  
  ...  
}
```

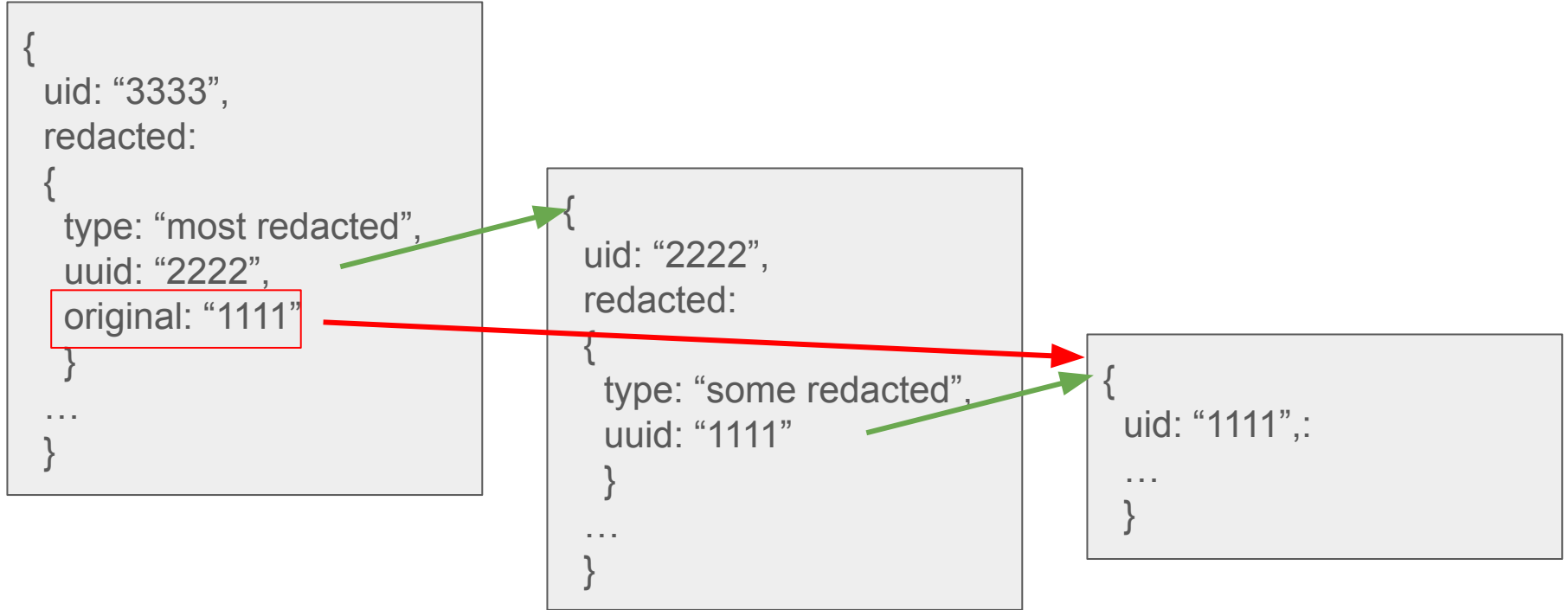


```
{  
  uid: "2222",  
  redacted:  
  {  
    type: "some redacted",  
    uuid: "1111"  
  }  
  ...  
}
```



```
{  
  uid: "1111",  
  redacted:  
  ...  
}
```

# redacted - tree



# Dialog, Attachment, Analysis Objects - redacted content

**Scenario:** redacted vCon, want to redact the entire content of a Dialog, Attachment or Analysis Object

**Solution:** leave whole Object but remove body or url parameter

**Issue:** currently I-D says Objects **SHOULD** have **body** or **url**

**Resolution:** Objects SHOULD have body or url **unless redacted**

# appended

**Scenario:** signed or encrypted vCon, that you want to add more data to

**Solution:** create a new vCon add the new content and refer to the prior, appended to vCon via UUID

**Issue:** what does the new vCon contain?

- Only incremental new content
- Deep copy of the prior version plus incremental content
- Shallow copy of the prior version with placeholders for list objects

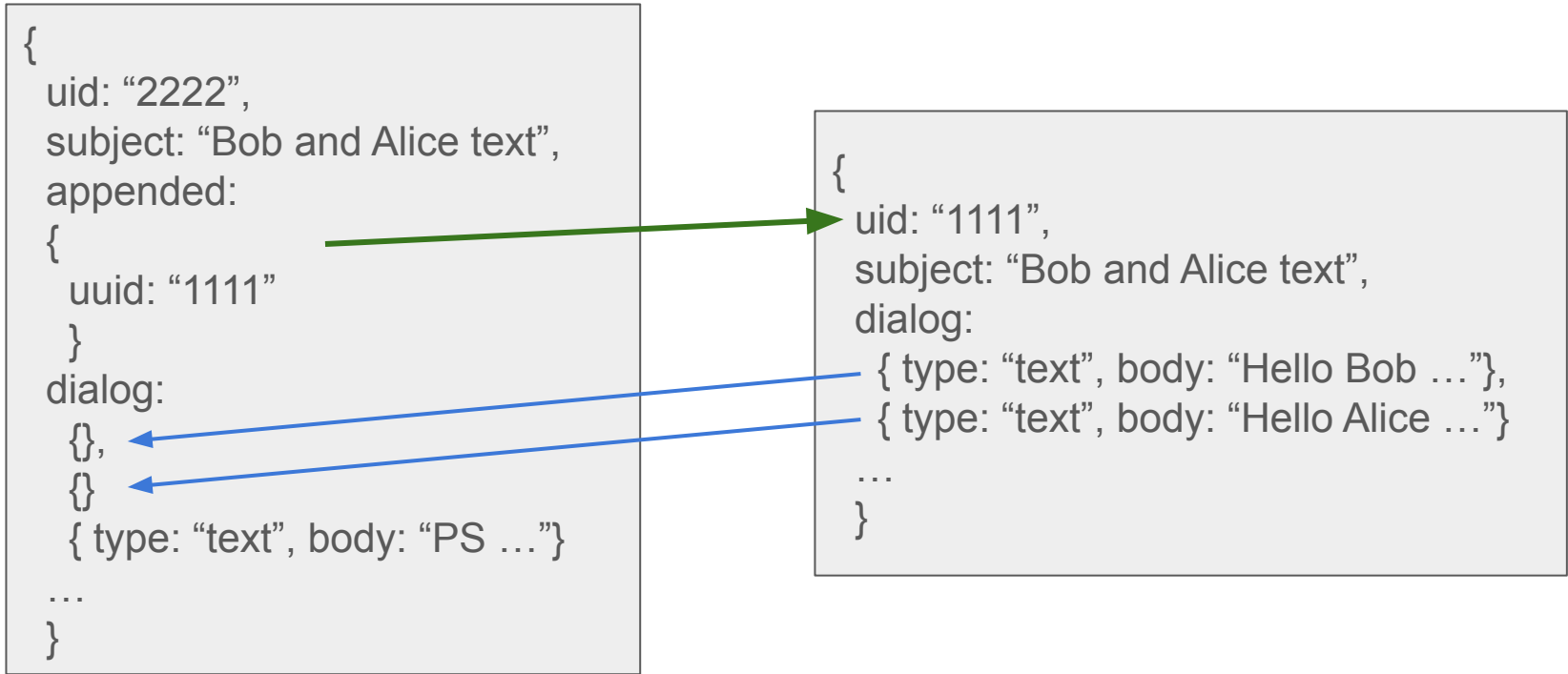
# appended

```
{
  uid: "2222",
  subject: "Bob and Alice text",
  appended:
  {
    uuid: "1111"
  }
  dialog:
  {
  },
  {
  }
  { type: "text", body: "PS ..." }
  ...
}
```



```
{
  uid: "1111",
  subject: "Bob and Alice text",
  dialog:
  { type: "text", body: "Hello Bob ..." },
  { type: "text", body: "Hello Alice ..." }
  ...
}
```

# appended



# Mediatypes for vCon

**Type:** application

**Subtypes:**

- vcon
- vcon+gzip
- vcon+jws??
- vcon+jwe??
- vcon+gzip+jws?? ...

# Still needs to be done

- Gap analysis of draft-mahy-vcon-mimi-messages
- Get example enum values for interaction type from JDR
- Add draft-rosenberg-vcon-cc-usecases to appendices
- Add examples for:
  - Appended signed
  - group
  - text messaging
- Sort out mediatypes
- Sort dialog for call with multiple recording files, one per party
- Add references/links to real JSON files for examples
- ECRIT use case
- PR with formatting cleanup from Steve Lasker