vCon for MIMI instant messages
Instant Messaging Use cases

• 1) IM applications allow multiple clients for the same user (ex: laptop and mobile, or old mobile phone migrating to new mobile phone)

• Securely share message history from an existing device to a new device = nice way to share messages that the new client could not have an end-to-end session for.

• 2) Group chat with substantive discussion, then add some users

• Allow an admin to “catch them up” by sharing message history from some relevant point in the past
Example syntax

code
```
vcon {
  parties [
    { name: Alice, imUri: im:@alice@example.com },
    { name: Bob, imUri: im:@bob@example.com }
  ],
  dialog {
    messageId: 28fd19857ad7@example.com,
    start: 2022-02-08T22:13:45-00:00,
    type: text,
    parties: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12],
    originator: 2,
    mimeType: "text/markdown;charset=utf-8",
    body: "Hi everyone, we just shipped release 2.0. __Good work__!",
    disposition: render,
  },
  // Reply
  messageId: e701beee59f9@example.com,
  start: 2022-02-08T22:13:57-00:00,
  type: text,
  parties: [0, 1, 2, 3, 7, 8, 9, 10, 11, 12, 13, 14],
  originator: 4,
  inReplyTo:messageId: 28fd19857ad7@example.com,
  mimeType: "text/plain;charset=utf-8",
  body = "Right on! _Congratulations_ y’all!"
  },
  // Like
  messageId: 1a771ca1d84f@example.com,
  start = 2022-02-08T22:13:57-00:00,
  type: text,
  parties: [0, 1, 2, 3, 7, 8, 9, 10, 11, 12, 13, 14],
  originator: 5,
  inReplyTo:messageId: 28fd19857ad7@example.com,
  disposition = reaction,
  mimeType: "text/plain;charset=utf-8",
  body = "—"
  },
  // Mention
  messageId: 4dcab7711a77@example.com,
  start: 2022-02-08T22:14:03-00:00,
  type: text,
  parties: [0, 1, 2, 3, 7, 8, 9, 10, 11, 12, 13, 14],
  originator: 14,
  inReplyTo:messageId: 28fd19857ad7@example.com,
  disposition = render,
  mimeType: "text/markdown;charset=utf-8",
  body = "Kudos to [@Alice Smith](im:alice-smith@example.com) for making the release happen!"
  },
  // Edit
  messageId: 89d3472622a4@example.com,
  start: 2022-02-08T22:14:08-00:00,
  replaces: e701beee59f9@example.com,
  type: text,
  parties: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14],
  originator: 4,
  inReplyTo:messageId: 28fd19857ad7@example.com,
  disposition = render,
  mimeType: "text/markdown;charset=utf-8",
  body = "Right on! _Congratulations_ y’all!"
  },
  // Delete
  messageId: 89d3472622a4@example.com,
  start = 2022-02-08T22:14:08-00:00,
  replaces: e701beee59f9@example.com,
  type: text,
  parties: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14],
  originator: 4,
  inReplyTo:messageId: 28fd19857ad7@example.com,
  disposition = render,
  mimeType: "text/markdown;charset=utf-8",
  body = null
  }
}
```