

More Instant Messaging Interoperability  
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K. Kohbrok  
R. Robert  
Phoenix R&D  
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MIMI Identifiers  
draft-kohbrok-mimi-identifiers-01

Abstract

TODO Abstract

About This Document

This note is to be removed before publishing as an RFC.

The latest revision of this draft can be found at <https://kkohbrok.github.io/draft-kohbrok-mimi-identifiers/draft-kohbrok-mimi-identifiers.html>. Status information for this document may be found at <https://datatracker.ietf.org/doc/draft-kohbrok-mimi-identifiers/>.

Discussion of this document takes place on the More Instant Messaging Interoperability Working Group mailing list (<mailto:mimi@ietf.org>), which is archived at <https://mailarchive.ietf.org/arch/browse/mimi/>. Subscribe at <https://www.ietf.org/mailman/listinfo/mimi/>.

Source for this draft and an issue tracker can be found at <https://github.com/kkohbrok/draft-kohbrok-mimi-identifiers>.

Status of This Memo

This Internet-Draft is submitted in full conformance with the provisions of BCP 78 and BCP 79.

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This Internet-Draft will expire on 24 October 2026.

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## 1. Introduction

- \* MIMI currently doesn't make assumptions about names beyond the URI format introduced in [I-D.draft-ietf-mimi-protocol]
- \* Different messaging applications use different schemes
- \* MIMI should be able to support at least the most widely used ones

## 2. Identifier types

## 2.1. Identifiers for connection establishment

- \* Globally unique
- \* User-facing

- \* Often chosen by user
- \* Multiple identifiers per user possible
- \* User can add/delete identifiers dynamically
- \* Examples:
  - Phone numbers
  - Signal-style usernames
  - Matrix-style usernames
  - Administrative identifiers

## 2.2. Administrative identifiers

- \* Globally unique
- \* Generally not user-facing
- \* Generally not chosen-facing
- \* Can be provider-generated
- \* Server might not be able to link admin to connection establishment identifiers
- \* Immutable
- \* Examples
  - UUIDs
  - Matrix-style usernames

## 2.3. Display names (decorative identifiers)

- \* Not globally unique
- \* Not necessarily visible to provider
- \* User-facing
- \* User-chosen

### 3. Proposal for MIMI

#### 3.1. Connection establishment

- \* Multiple options for connection establishment identifiers
  - Phone numbers (draft WIP)
  - Usernames (user chosen names, potentially with format restrictions)
- \* No requirement for providers to be able to link connection establishment identifiers with administrative identifiers
- \* Ephemeral identifiers should be allowed

#### 3.2. Administrative identifiers

- \* Should be unique within domain of provider
- \* Should be immutable
- \* No other requirement w.r.t. format, i.e. both Matrix-style and UUIDs allowed
- \* No requirement for user-readability
- \* These are used for authentication and are included in MLS credentials

#### 3.3. Display names

- \* No strict requirement for hub/provider to have access to display names, may be subject to policy

### 4. Security Considerations

TODO Security

### 5. IANA Considerations

This document has no IANA actions.

### 6. Normative References

[I-D.draft-ietf-mimi-protocol]  
Barnes, R., Hodgson, M., Kohbrok, K., Mahy, R., Ralston, T., and R. Robert, "More Instant Messaging

Interoperability (MIMI) using HTTPS and MLS", Work in Progress, Internet-Draft, draft-ietf-mimi-protocol-05, 20 October 2025, <<https://datatracker.ietf.org/doc/html/draft-ietf-mimi-protocol-05>>.

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#### Authors' Addresses

Konrad Kohbrok  
Phoenix R&D  
Email: [konrad@ratchet.ing](mailto:konrad@ratchet.ing)

Raphael Robert  
Phoenix R&D  
Email: [ietf@raphaelrobert.com](mailto:ietf@raphaelrobert.com)