

More Instant Messaging Interoperability
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MIMI Identifiers
draft-kohbrok-mimi-identifiers-00

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 23 April 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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