Abstract

The Mathematical Mesh 'The Mesh' is an infrastructure that facilitates the exchange of configuration and credential data between multiple user devices and provides end-to-end security. This document describes the

This document is also available online at http://mathmesh.com/Documents/draft-hallambaker-mesh-constrained.html

Status of This Memo

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

Internet-Drafts are working documents of the Internet Engineering Task Force (IETF). Note that other groups may also distribute working documents as Internet-Drafts. The list of current Internet-Drafts is at https://datatracker.ietf.org/drafts/current/.

Internet-Drafts are draft documents valid for a maximum of six months and may be updated, replaced, or obsoleted by other documents at any time. It is inappropriate to use Internet-Drafts as reference material or to cite them other than as "work in progress."

This Internet-Draft will expire on October 6, 2019.

Copyright Notice

Copyright (c) 2019 IETF Trust and the persons identified as the document authors. All rights reserved.

This document is subject to BCP 78 and the IETF Trust’s Legal Provisions Relating to IETF Documents (https://trustee.ietf.org/license-info) in effect on the date of publication of this document. Please review these documents carefully, as they describe your rights and restrictions with respect to this document. Code Components extracted from this document must

Hallam-Baker Expires October 6, 2019
include Simplified BSD License text as described in Section 4.e of the Trust Legal Provisions and are provided without warranty as described in the Simplified BSD License.

Table of Contents

1. Introduction ................................. 2
2. Definitions .................................. 2
   2.1. Requirements Language .................. 2
   2.2. Defined Terms ............................ 2
   2.3. Related Specifications .................. 2
   2.4. Implementation Status ................... 3
3. Security Considerations ..................... 3
4. IANA Considerations ........................... 3
5. Acknowledgements ............................. 3
6. References .................................... 3
   6.1. Normative References ..................... 3
   6.2. Informative References ................... 3
   6.3. URIs .................................... 4
Author’s Address ............................... 4

1. Introduction

2. Definitions

This section presents the related specifications and standard, the terms that are used as terms of art within the documents and the terms used as requirements language.

2.1. Requirements Language

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC2119].

2.2. Defined Terms

The terms of art used in this document are described in the Mesh Architecture Guide [draft-hallambaker-mesh-architecture].

2.3. Related Specifications

The architecture of the Mathematical Mesh is described in the Mesh Architecture Guide [draft-hallambaker-mesh-architecture]. The Mesh documentation set and related specifications are described in this document.
2.4. Implementation Status

The implementation status of the reference code base is described in the companion document [draft-hallambaker-mesh-developer].

3. Security Considerations

The security considerations for use and implementation of Mesh services and applications are described in the Mesh Security Considerations guide [draft-hallambaker-mesh-security].

4. IANA Considerations

All the IANA considerations for the Mesh documents are specified in this document.

5. Acknowledgements

Thanks are due to Viktor Dukhovni, Damian Weber and an anonymous member of the cryptography@metzdowd.com list for assisting in the compilation of the table of prime values.

6. References

6.1. Normative References

[draft-hallambaker-mesh-security]
"[Reference Not Found!]".


6.2. Informative References

[draft-hallambaker-mesh-architecture]

[draft-hallambaker-mesh-developer]
6.3. URIs


Author’s Address

Phillip Hallam-Baker

Email: phill@hallambaker.com