Internet Engineering Task Force SIP WG
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The Internet Assigned Number Authority Universal Resource Identifier Parameter Registry for the Session Initiation Protocol

STATUS OF THIS MEMO

Abstract

This document creates an IANA registry for SIP URI and SIPS URI parameters. It also lists the already existing parameters to be used as initial values for that registry.

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1 Introduction

RFC3261 [1] allows new SIP URI and SIPS URI parameters to be defined.
However, RFC3261 omitted an IANA registry for them. This document creates such a registry.

2 Terminology

In this document, the key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" are to be interpreted as described in RFC 2119 [2] and indicate requirement levels for compliant SIP implementations.

3 Use of the Registry

SIP and SIPS URI parameters MUST be documented in an RFC in order to be registered by IANA. This documentation MUST fully explain the syntax, intended usage, and semantics of the parameter. The intent of this requirement is to assure interoperability between independent implementations, and to prevent accidental namespace collisions between implementations of dissimilar features.

RFCs defining SIP URI or SIPS URI parameters MUST register them with IANA as described below.

Registered SIP or SIPS URI parameters are to be considered "reserved words". In order to preserve interoperability, registered parameters MUST be used in a manner consistent with that described in their defining RFC. Implementations MUST NOT utilize "private" or "locally defined" URI parameters that conflict with registered parameters.

> Note that although unregistered SIP and SIPS URI parameters may be used in implementations, developers are cautioned that usage of such parameters is risky. New SIP and SIPS URI parameters may be registered at any time, and there is no assurance that these new registered URI parameters will not conflict with unregistered parameters currently in use.

4 IANA Considerations

Section 27 of RFC 3261 [1] creates an IANA registry for method names, header field names, warning codes, status codes, and option tags. This specification instructs the IANA to create a new sub-registry under http://www.iana.org/assignments/sip-parameters:

- SIP/SIPS URI Parameters

4.1 SIP and SIPS URI Parameters Sub-Registry

New SIP and SIPS URI parameters are registered by the IANA. When registering a new SIP or SIPS parameter, the following information MUST be provided.

- o Name of the parameter.
- o Reference to the RFC defining the parameter

Table 1 contains the initial values for this sub-registry.

Parameter Name	Reference
comp	RFC 3486
lr	RFC 3261
maddr	RFC 3261
method	RFC 3261
transport	RFC 3261
ttl	RFC 3261
user	RFC 3261

Table 1: IANA SIP and SIPS URI parameter sub-registry

4.2 Registration Policy for SIP Request-URI Parameters

As per the terminology in RFC 2434 [3], the registration policy for SIP and SIPS URI parameters shall be "Specification Required".

For the purposes of this registry, the parameter for which IANA registration is requested MUST be defined by an RFC. There is no requirement that this RFC be standards-track.

5 Security Considerations

There are no security considerations associated to this document.

6 Acknowledgements

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8 Normative References

[1] J. Rosenberg, H. Schulzrinne, G. Camarillo, A. R. Johnston, J. Peterson, R. Sparks, M. Handley, and E. Schooler, "SIP: session initiation protocol," RFC 3261, Internet Engineering Task Force, June 2002.

[2] S. Bradner, "Key words for use in RFCs to indicate requirement levels," RFC 2119, Internet Engineering Task Force, Mar. 1997.

[3] T. Narten and H. Alvestrand, "Guidelines for writing an IANA considerations section in RFCs," RFC 2434, Internet Engineering Task Force, Oct. 1998.

9 Informative References