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An IETF URN Sub-Namespace for OAuth
draft-ietf-oauth-urn-sub-ns-05

Abstract

This document establishes an IETF URN Sub-namespace for use with OAuth related specifications.

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1. Introduction

Various extensions and companion specifications to The OAuth 2.0 Authorization Framework [[I-D.ietf-oauth-v2](#)] utilize URIs to identify the extension in use or other relevant context. This document creates and registers an IETF URN Sub-namespace, as documented in [RFC 3553](#) [[RFC3553](#)], for use with such specifications. The new 'oauth' sub-namespace is urn:ietf:params:oauth and OAuth relevant parameters will be established underneath it.

2. Notational Conventions

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 [RFC 2119](#) [[RFC2119](#)].

3. Registration Template

If a registrant wishes to have a OAuth URI registered, then a URN of the form urn:ietf:params:oauth:<value> will be requested where <value> is a suitable representation of the functionality or concept being registered.

The registration procedure for new entries requires a request in the form of the following template and is Specification Required per [RFC 5226](#) [[RFC5226](#)].

URN:

The URI that identifies the registered functionality.

Common Name:

The name by which the functionality being registered is generally known.

Change Controller: For standards-track RFCs, state "IETF". For others, give the name of the responsible party. Other details (e.g., postal address, e-mail address, home page URI) may also be included.

Specification Document(s): Reference to the document that specifies the URI, preferably including a URI that can be used to retrieve a copy of the document. An indication of the relevant sections may also be included, but is not required.

The registration request for the urn:ietf:params:oauth URN Sub-namespace is found in the IANA Considerations ([Section 5](#)) section of

this document.

[3.1.](#) Example Registration Request

The following is an example registration request for a URI underneath the urn:ietf:params:oauth sub-namespace. The requested URI represents a new OAuth 2.0 grant type.

This is a request to IANA to please register the value "grant-type:example" in the registry urn:ietf:params:oauth established in An IETF URN Sub-Namespace for OAuth.

- o URN: urn:ietf:params:oauth:grant-type:example
- o Common Name: An Example Grant Type for OAuth 2.0
- o Change controller: IETF
- o Specification Document: [[the document URI]]

[4.](#) Security Considerations

None not already inherent to using URNs. Security considerations for URNs in general can be found in [RFC 2141](#) [[RFC2141](#)].

Any work that is related to OAuth would benefit from familiarity with the security considerations of The OAuth 2.0 Authorization Framework [[I-D.ietf-oauth-v2](#)].

5. IANA Considerations

This document makes two requests of IANA:

- o Registration of a new IANA URN sub-namespace, urn:ietf:params:oauth:, per [RFC 3553](#) [[RFC3553](#)]. The registration request can be found in [Section 5.1](#) below.
- o Establishment of a new registry for URNs subordinate to urn:ietf:params:oauth. Instructions for a registrant to request the registration of such a URN are in [Section 3](#).

5.1. IETF URN Sub-namespace Registration urn:ietf:params:oauth

Per [RFC 3553](#) [[RFC3553](#)], IANA is requested to please register a new URN sub-namespace, urn:ietf:params:oauth.

- o Registry name: oauth
- o Specification: [[this document]]
- o Repository: [[The registry created in [Section 3](#).]]
- o Index value: values subordinate to urn:ietf:params:oauth are of the form urn:ietf:params:oauth:<value> with <value> as the index value. It is suggested that <value> include both a "class" and an "identifier-within-class" component, with the two components being separated by a colon (":"); other compositions of the <value> may also be used.

6. References

6.1. Normative References

- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), March 1997.
- [RFC2141] Moats, R., "URN Syntax", [RFC 2141](#), May 1997.

- [RFC3553] Mealling, M., Masinter, L., Hardie, T., and G. Klyne, "An IETF URN Sub-namespace for Registered Protocol Parameters", [BCP 73](#), [RFC 3553](#), June 2003.
- [RFC5226] Narten, T. and H. Alvestrand, "Guidelines for Writing an IANA Considerations Section in RFCs", [BCP 26](#), [RFC 5226](#), May 2008.

[6.2.](#) Informative References

- [I-D.ietf-oauth-v2]
Hammer-Lahav, E., Recordon, D., and D. Hardt, "The OAuth 2.0 Authorization Framework", [draft-ietf-oauth-v2-27](#) (work in progress), June 2012.

[Appendix A.](#) Acknowledgements

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[Appendix B.](#) Document History

[[to be removed by RFC editor before publication as an RFC]]

[draft-ietf-oauth-urn-sub-ns-05](#)

- o Change the registration procedure from Expert Review to Specification Required per WG discussion
<http://www.ietf.org/mail-archive/web/oauth/current/msg09445.html>

[draft-ietf-oauth-urn-sub-ns-04](#)

- o Changed the Index value (and Registration Template into paragraph) from <class><id> to just <value> with a suggestion that it have both a "class" and an "identifier-within-class" parts per

<http://www.ietf.org/mail-archive/web/oauth/current/msg09381.html>

so as to be less restrictive

[draft-ietf-oauth-urn-sub-ns-03](#)

- o Changes to address comments in the message "AD review of [draft-ietf-oauth-urn-sub-ns-02](#)" at <http://www.ietf.org/mail-archive/web/oauth/current/msg09350.html> and subsequent messages in that thread
- o Update area and workgroup (now Security and OAuth was Internet and nothing)
- o Change from informational to standards-track
- o Requesting new URNs now more lightweight by changing from 'RFC Required' to 'Expert Review' ([RFC5226](#))
- o Rework much of the document to be more clear about it registering the urn:ietf:params:oauth URN sub-namespace and separately how other documents are to request URNs under that sub-namespace.
- o Removed everything about asking the IANA to generate any part of the URN.
- o Added an Example Registration Request
- o Added reference to OAuth security considerations in security considerations.
- o Added Acknowledgements

[draft-ietf-oauth-urn-sub-ns-02](#)

- o fix typo: "The registration procedure for new entries to the requires a request ..." --> "The registration procedure for new entries requires a request ..."

[draft-ietf-oauth-urn-sub-ns-01](#)

- o security considerations now points to [RFC 2141](#) rather than [RFC 3553](#) per

<http://www.ietf.org/mail-archive/web/oauth/current/msg07880.html>

[draft-ietf-oauth-urn-sub-ns-00](#)

- o change doc name from [draft-campbell-oauth-urn-sub-ns](#) to [draft-ietf-oauth-urn-sub-ns](#) per <http://www.ietf.org/mail-archive/web/oauth/current/msg07384.html>

[draft-campbell-oauth-urn-sub-ns-01](#)

- o minor editorial changes

[draft-campbell-oauth-urn-sub-ns-00](#)

- o initial draft based on <http://www.ietf.org/mail-archive/web/oauth/current/msg06949.html>

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