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**An IETF URN Sub-Namespace for OAuth
draft-ietf-oauth-urn-sub-ns-06**

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. 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 4](#)) section of this document.

2.1. 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]]

3. Security Considerations

There are no additional security considerations beyond those 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](#)].

4. 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 4.1](#) 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 2](#).

4.1. 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.

5. References

5.1. Normative References

- [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.

5.2. Informative References

- [I-D.ietf-oauth-v2]
Hardt, D. and D. Recordon, "The OAuth 2.0 Authorization Framework", [draft-ietf-oauth-v2-30](#) (work in progress), July 2012.

Appendix A. Acknowledgements

The authors thank the following for their helpful contributions: Stephen Farrell, Barry Leiba, Peter Saint-Andre, Eran Hammer, John Bradley, Ben Campbell and Michael B. Jones.

Appendix B. Document History

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

[draft-ietf-oauth-urn-sub-ns-06](#)

- o Address editorial comments from Gen-ART LC Review:
<http://www.ietf.org/mail-archive/web/gen-art/current/msg07576.html>

[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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