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 [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 an 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].

<table>
<thead>
<tr>
<th>URN:</th>
<th>The URI that identifies the registered functionality.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Name:</td>
<td>The name by which the functionality being registered is generally known.</td>
</tr>
<tr>
<td>Change Controller:</td>
<td>For Standards Track RFCs, state &quot;IETF&quot;. For others, give the name of the responsible party. Other details (e.g., postal address, email address, and home page URI) may also be included.</td>
</tr>
</tbody>
</table>
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 of this document (Section 4).

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.

- URN: urn:ietf:params:oauth:grant-type:example
- Common Name: An Example Grant Type for OAuth 2.0
- Change controller: IETF
- 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 [OAUTH-V2].

4. IANA Considerations

IANA has created the following:

- The 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.

- A new registry called the "OAuth URI" registry for URNs subordinate to urn:ietf:params:oauth. The registry "OAuth URI" has been added to a new top-level registry called "OAuth
Parameters" as defined by [OAUTH-V2]. 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 has registered a new URN Sub-namespace, urn:ietf:params:oauth.

- Registry name: oauth
- Specification: [this document]
- Repository: [The registry created in Section 2.]
- 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


5.2. Informative Reference

Appendix A.  Acknowledgements

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