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**An IETF URN Sub-Namespace for OAuth  
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Abstract

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

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Table of Contents

- [1. Introduction . . . . .](#) [3](#)
- [2. Notational Conventions . . . . .](#) [3](#)
- [3. Registration Template . . . . .](#) [3](#)
- [4. Security Considerations . . . . .](#) [4](#)
- [5. IANA Considerations . . . . .](#) [4](#)
  - [5.1. IETF URN Sub-namespace Registration](#)
    - [urn:ietf:params:oauth . . . . .](#) [4](#)
- [Appendix A. Document History . . . . .](#) [4](#)
- [6. References . . . . .](#) [4](#)
  - [6.1. Normative References . . . . .](#) [4](#)
  - [6.2. Informative References . . . . .](#) [5](#)
- [Authors' Addresses . . . . .](#) [5](#)



## **1. Introduction**

Various extensions and companion specifications to The OAuth 2.0 Authorization Protocol [[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 look like 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 the registrant wishes to have a URI assigned, then a URN of the form urn:ietf:params:oauth:<class>:<id> will be assigned where <class> is the category of the parameters being registered and <id> is a unique id generated by the IANA based on any means the IANA deems necessary to maintain uniqueness and persistence. NOTE: in order for a URN of this type to be assigned, the item being registered MUST be documented in a RFC. The [RFC 3553](#) [[RFC3553](#)] URN registration template is found in the IANA consideration section of this document.

The registration procedure for new entries to the requires a request in the form of the following template:

**URN:**

The token URI that identifies the registered component. If the registrant is requesting that the IANA assign a URI then this field should be specified as "please assign".

**Common Name:**

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

**Registrant Contact:**

The individual/organization that is the registration contact for the component being registered. Ideally, this will be the name and pertinent physical and network contact information. In the case of IETF developed standards, the Registrant will be the IESG.



**Description:**

Information about the registered functionality.

**4. Security Considerations**

None not already inherent to using URNs as discussed in [RFC 3553](#) [[RFC3553](#)].

**5. IANA Considerations****5.1. IETF URN Sub-namespace Registration urn:ietf:params:oauth**

Per [RFC 3553](#) [[RFC3553](#)], IANA is requested to establish the following registry. New entries to the registry are Specification Required.

- o Registry name: urn:ietf:params:oauth
- o Specification: [Section 3](#) of this document contains the registry specification.
- o Repository: To be assigned according to the guidelines found above.
- o Index value: The class name

**[Appendix A](#). Document History**

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

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- 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>

**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.



[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.

## **6.2. Informative References**

[I-D.ietf.oauth-v2]  
Hammer-Lahav, E., Ed., Recordon, D., and D. Hardt, "The OAuth 2.0 Authorization Protocol",  
ID [draft-ietf-oauth-v2-20](#) (work in progress), July 2011.

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