

Network Working Group  
Lanthaler  
Internet-Draft  
2014  
Intended status: Informational  
Expires: July 25, 2014

M.  
January 21,

**The Profile URI Registry**  
**draft-lanthaler-profile-registry-05**

Abstract

This document defines a registry for profile URIs to be used in specifications standardizing profiles.

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## **1. Introduction**

Profiles, as defined by [[RFC6906](#)], can be used to signal support for additional semantics, such as constraints, conventions, extensions, or any other aspects that do not alter the basic media type semantics. Profiles are identified by a URI and can thus be created without central coordination.

Similarly to media types and link relation types it is, in some cases, beneficial to centrally manage profile URIs to ensure interoperability and decrease the coupling between clients and servers. This allows the independent evolution of clients and servers as both are coupled to these central contracts instead of being coupled to each other. Therefore, this document establishes an IANA registry for profile URIs.

## **2. Registration Process**

All elements in this registry require a URI in order to be registered. The meaning of the profile URI should be documented in a permanent and readily available public specification in sufficient detail so that interoperability between independent implementations is possible (see the registration template in [Section 4](#)).

An exemplary registration request can be found in [Section 3](#).

## **3. Example Registration Request**

The following is an example registration request for the profile URI `http://example.com/profiles/example`.

This is a request to IANA to please register the profile URI "http://example.com/profiles/example" in the Profile URI Registry according [this document].

- o Profile URI: `http://example.com/profiles/example`
- o Common Name: Exemplary Profile URI
- o Description: An exemplary profile URI registration.
- o Specification Document: [this document]

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#### **4. IANA Considerations**

This document establishes the Profile URI registry. The registration procedure for new entries requires a request in the form of the following template and is "First Come First Served" per [RFC5226]. Instructions for a registrant to request the registration of a profile URI are in [Section 2](#).

The underlying registry data (e.g., the XML file) must include Simplified BSD License text as described in [Section 4.e](#) of the Trust Legal Provisions (<<http://trustee.ietf.org/license-info>>).

The registration template is:

- o Profile URI: The URI that identifies the registered profile.
- o Common Name: The name by which the profile being registered is generally known.
- o Description: A relatively short description of the profile. For simple profiles, this might be all the documentation that is required and there might be no reference document. In those cases, be sure this description adequately documents the profile and is suitable for interoperable implementation.
- o Specification Document: 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. This is recommended, but can be left blank if the "Description" field provides sufficient documentation.
- o Notes: [optional]

##### **4.1. Initial Registry Contents**

The Profile URI registry's initial contents are:

- o Profile URI: urn:example:profile-uri
- o Common Name: Exemplary Profile
- o Description: A profile to be used in examples.
- o Specification Document: [this document]
  
- o Profile URI: <http://dublincore.org/documents/2008/08/04/dc-html/>
- o Common Name: Dublin Core HTML meta data profile
- o Description: A set of conventions by which a Dublin Core metadata description set can be represented within an (X)HTML Web page using (X)HTML elements and attributes.





- o Specification Document: [[DC-HTML](#)]
  
- o Profile URI: <http://www.w3.org/ns/json-ld#expanded>
- o Common Name: Expanded JSON-LD
- o Description: A profile URI to request or signal expanded JSON-LD document form.
- o Specification Document: [[JSON-LD](#)]
  
- o Profile URI: <http://www.w3.org/ns/json-ld#compacted>
- o Common Name: Compacted JSON-LD
- o Description: A profile URI to request or signal compacted JSON-LD document form.
- o Specification Document: [[JSON-LD](#)]
  
- o Profile URI: <http://www.w3.org/ns/json-ld#flattened>
- o Common Name: Flattened JSON-LD
- o Description: A profile URI to request or signal flattened JSON-LD document form.
- o Specification Document: [[JSON-LD](#)]

## **5. Security Considerations**

There are no additional security considerations beyond those already inherent to using URIs. Security considerations for URIs in general can be found in [[RFC3986](#)].

## **6. Change Log**

Note to RFC Editor: Please remove this section before publication.

### **6.1. From -04 to -05**

- o Change registration process from "Specification Required" to "First Come First Served".
- o Update JSON-LD reference.
- o Update acknowledgements.

### **6.2. From -03 to -04**

- o Change title from "The IETF Profile URI Registry" to just "The Profile URI Registry".



- o Update JSON-LD reference.

### **6.3. From -02 to -03**

- o Seed registry with the profile URIs defined in [[DC-HTML](#)] and [[JSON-LD](#)].

### **6.4. From -01 to -02**

- o Do not establish a new IETF URN Sub-namespace anymore.

### **6.5. From -00 to -01**

- o Use HTTP URI instead of URN in example registration request to make it clearer that not only URNs can be registered.
- o Move security considerations to the end.

## **7. Acknowledgements**

Thanks to Dave Cridland, Barry Leiba, and Nevil Brownlee for valuable comments and suggestions.

## **8. Normative References**

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- [JSON-LD] Sporny, M., Kellogg, G., and M. Lanthaler, "JSON-LD 1.0", World Wide Web Consortium Recommendation, January 2014, <<http://www.w3.org/TR/json-ld/>>.
- [RFC3986] Berners-Lee, T., Fielding, R., and L. Masinter, "Uniform Resource Identifier (URI): Generic Syntax", STD 66, [RFC 3986](#), January 2005.
- [RFC5226] Narten, T. and H. Alvestrand, "Guidelines for Writing an IANA Considerations Section in RFCs", [BCP 26](#), [RFC 5226](#), May 2008.
- [RFC6906] Wilde, E., "The 'profile' Link Relation Type", [RFC 6906](#), March 2013.



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