A URN Namespace for XML.org

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Abstract

This document describes a URN (Uniform Resource Name) namespace that
is engineered by the Organization for the Advancement of Structured
Information Standards (OASIS) for naming persistent resources stored
in the XML.org repository (such as XML (Extensible Markup Language)
Document Type Definitions, XML Schemas, Namespaces, Stylesheets, and
other documents).

1. Introduction

The XML.org Registry is provided by XML.org as a public service where
XML schemas, DTDs, stylesheets, and other documents can be shared.
Documents are submitted to a repository then retrieved by others who
may want to use them. These documents require unique identifiers.

Motivated by these observations, XML.org would like to assign URNs to
some resources in order to retain unique, permanent location-
independent names for them.

This namespace specification is for a formal namespace.

2. Specification Template

Namespace ID:

   "xmlorg" requested.

Registration Information:

    Registration Version Number: 3
    Registration Date: 2001-02-05

Declared registrant of the namespace:

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Declaration of structure:

    The Namespace Specific String (NSS) of all URNs assigned by
    XML.org will have the following hierarchical structure:

    There is one branch at the top of the hierarchy: "objects".

    The Objects Hierarchy

        The general structure of the NSS in the names hierarchy has the
        form:

            urn:xmlorg:objects:{type}{:subtype}?:{object-id}

        where "type" identifies the document type (document, schema,
        stylesheet, entity, xmlns, etc.), the optional "subtype"
        provides additional information about the document type (for
        example, stylesheet or schema language), and "object-id" is a
        unique identifier for the document.

        The Director of Technical Operations at OASIS assigns document
        types, subtypes, and all unique identifiers.

    Relevant ancillary documentation:

        None

    Identifier uniqueness considerations:

        Identifier uniqueness will be enforced by the Director of
        Technical Operations who assigns unique identifiers to all
        documents identified by URN.

Identifier persistence considerations:

>   OASIS is committed to maintaining the accessibility and
>   persistence of all the resources that are assigned URNs.

Process of identifier assignment:

>   Assignment is limited to the owner and those authorities that are
>   specifically designated by the owner. OASIS may assign portions
>   of its namespace for assignment by other parties.

Process of identifier resolution:

>   The owner will distribute catalogs (OASIS TR9401 Catalogs) that
>   map the assigned URNs to resource identifiers (e.g., URLs). A
>   more interactive, online resolution system will also be deployed
>   in the near future.

>   The owner will authorize additional resolution services as
>   appropriate.

Rules for Lexical Equivalence:

>   URNs are lexically equivalent if they are lexically identical.

Conformance with URN Syntax:

>   No special considerations.

Validation mechanism:

>   None specified. The owner will publish OASIS TR9401 Catalogs.
>   The presence of a URN in a catalog indicates that it is valid.

Scope:

>   Global

3. Examples

The following examples are not guaranteed to be real. They are
listed for pedagogical reasons only.

```
urn:xmlorg:objects:schema:xmlschema:xcatalog
urn:xmlorg:objects:dtd:xml:docbook:v4.1.2
```

4. Security Considerations

There are no additional security considerations other than those normally associated with the use and resolution of URNs in general.

References

[1] Goldfarb, C. F., "ISO (International Organization for Standardization) ISO 8879:1986(E) Information Processing -- Text and Office Systems -- Standard Generalized Markup Language (SGML)", 1986.

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[3] W3C, Namespaces WG, "Namespaces in XML", January 1999, <http://www.w3.org/TR/REC-xml-names>.

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[5] Moats, R., "URN Syntax", RFC 2141, May 1997.

[6] Mealling, M. and R. Daniel, "URI Resolution Services Necessary for URN Resolution", RFC 2483, January 1999.

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Acknowledgement