The application/opensearchdescription+xml media type

draft-ellermann-opensearch-00

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Abstract

This memo defines the application/opensearchdescription+xml media type for OpenSearch descriptions. Atom and XHTML <link rel="search" .../> elements are examples where this media type is used.

Editorial note

In Section 3 RFCXXXX is a placeholder for this memo. This note and the document history (Appendix A) should be removed before publication. The draft can be discussed on the <mailto:opensearch@googlegroups.com> mailing list.
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1. Introduction

TBD - this is a DRAFT, see "Status of this Memo" above

2. Internationalization Considerations

TBD - this is a DRAFT, see "Status of this Memo" above

3. IANA Considerations

IANA is asked to create one URL for each registered atom:link relation below <http://www.iana.org/assignments/relation/> as specified in [RFC4287] section 4.2.7.2. All existing atom:link relation templates should get the corresponding URLs, e.g., "current" at <http://www.iana.org/assignments/relation/current>.

For the remaining registered atom:link relations without template the corresponding URLs should redirect to the atom:link relation registry, e.g., for "alternate" the URL <http://www.iana.org/assignments/relation/alternate> can be redirected to the atom:link relation registry. For consistency the URL <http://www.iana.org/assignments/relation/> should be used for the atom:link registry.

3.1. atom:link rel="search"

Below you find the [RFC4287] registration template for the atom:link "search" relation under <http://www.iana.org/assignments/relation/>:

Attribute Value: search

Description: TBD

Expected display characteristics: TBD

Security considerations:
All general security and privacy considerations for sending queries to servers specified in an URL are applicable. See RFCXXXX Section 4 for more info.

3.2. application/opensearchdescription+xml

Below you find the [RFC4288] registraton template for the subtype "opensearchdescription+xml" of the "application" media type under <http://www.iana.org/assignments/media-types/application/>:
Type name: application

Subtype name: opensearchdescription+xml

Required parameters:
There are no required parameters.

Optional parameters:
charset (defaults to "UTF-8")

Encoding considerations:
Identical to those of "application/xml" as described in [RFC3023]; especially "UTF-8" [RFC3629] and its proper subset "US-ASCII" are supposed to work. For non-ASCII documents served as "text/xml" the "charset" parameter is required; this might be relevant when authors are unable to configure the server hosting their OpenSearch descriptions.

Security considerations:
All general security and privacy considerations for sending queries to servers specified in an URL are applicable. See RFCXXXX Section 4 for more info.

Interoperability considerations:
OpenSearch descriptions use the <http://a9.com/-/spec/opensearch/1.1/> XML name space, optionally in conjunction with other XML name spaces for extensions or for application specific purposes.

Published specification:
RFCXXXX and <http://www.opensearch.org/Specifications>

Applications that use this media type:
Various search clients including popular Web browsers, search engines, and software libraries support OpenSearch descriptions.

Additional information:
TBD

Person & email address to contact for further information:
TBD
4. Security Considerations

TBD - this is a DRAFT, see "Status of this Memo" above

5. Acknowledgments

TBD

6. References

6.1. Normative References


6.2. Informative References


Appendix A.  Document History

Changes in version 00:

- This is a kind of template that could be extended to register rel="search" and application/opensearchdescription+xml if the OpenSearch community likes this approach.

- The change controller for a media type in the standards tree has to be a SDO (Standards Development Organization) recognized by the IESG or IAB on behalf of the IETF community, not necessarily the IETF itself.

- For atom:link relations IESG review is good enough. Informational IETF RFCs are approved by the IESG in a "document action", this would trigger the IANA considerations in Section 3.

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