Abstract

RFC 5988 [RFC5988] defined the way of indicating resources on the Web. This specification defines link relation types which may be used to express the relationships between a resource and an input form for constructing data submissions.

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Table of Contents

1. Introduction .................................................. 3
2. Notational Conventions ........................................ 3
3. Link Relations .................................................. 3
   3.1. The "create-form" Link Relation .......................... 3
      3.1.1. Using the "create-form" Link Relation ............ 3
   3.2. The "edit-form" Link Relation ............................ 4
      3.2.1. Using the "edit-form" Link Relation ............ 4
   3.3. Error Handling Example ................................. 4
4. IANA Considerations ........................................... 5
   4.1. The Link Relation Registration "create-form" ........ 5
   4.2. The Link Relation Registration "edit-form" ........ 5
5. Security Considerations ....................................... 6
6. Internationalisation Considerations .......................... 6
7. Normative References ......................................... 6
Appendix A. Acknowledgements ................................. 6
1. Introduction

RFC 5988 [RFC5988] defined the way of indicating resources on the Web. This specification defines link relation types which may be used to express the relationships between a resource and an input form for constructing data submissions.

The "create-form" and "edit-form" link relations are intentionally generic, and they can be used with multiple media types in a wide variety of use cases.

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 [RFC2119].

3. Link Relations

The following link relations are defined.

3.1. The "create-form" Link Relation

When included in a resource, the "create-form" link relation MAY identify a target resource that represents the form to append a new member to the link context.

```html
<html>
<ul>
  <li>Entry Description 1</li>
  <li>Entry Description 2</li>
</ul>
<a href="..." rel="create-form">[Add New Entry]</a>
</html>
```

or, expressed as a Link header

```plaintext
Link: <...>; rel="create-form"; title="Add New Entry"
```

3.1.1. Using the "create-form" Link Relation

Target URI specified in the form representation MUST be used for submit requests. Context URI MUST be used otherwise.

Request method specified in the form representation MUST be used for submit requests. HTTP’s POST method MAY be used otherwise.

A content type specified in the form representation MUST be used for
submitting requests, or otherwise, a content type defined in the media type specification of a form MUST be used.

3.2. The "edit-form" Link Relation

When included in a resource, the "edit-form" link relation identifies a target resource that represents the form for editing associated resource.

<html>
...<ul>
<li>
   Entry Description 1
   <a href="..." rel="edit-form">[Edit Entry]</a>
</li>
</ul>
...
</html>

or, expressed as a Link header

Link: <...>; rel="edit-form"; title="Edit Entry"

3.2.1. Using the "edit-form" Link Relation

Target URI specified in the form representation MUST be used for submit requests. Context URI MUST be used otherwise.

Request method specified in the form representation MUST be used for submit requests. HTTP’s PUT method MAY be used otherwise.

A content type specified in the form representation MUST be used for submitting requests, or otherwise, a content type defined in the media type specification of a form MUST be used.

3.3. Error Handling Example

When submitting forms in unsupported media type format, service may respond to the client with HTTP’s 415 Unsupported Media Type status code. See example below:
HTTP/1.1 415 Unsupported Media Type
Link: <...>; rel="create-form"; title="Create new entry"
Content-Type: text/html
Content-Length: ...

<html>
  Use <a href="..." rel="create-form">this form</a> to create a new entry.
</html>

4. IANA Considerations

IANA is asked to register the "create-form" and "edit-form" link relations below as per [RFC5988].

4.1. The Link Relation Registration "create-form"

Relation Name:
create-form

Description:
The target IRI points to a resource where a submission form can be obtained.

Security considerations:
Automated agents should take care when this relation crosses administrative domains (e.g., the URI has a different authority than the current document).

Reference:
See Section 3.

4.2. The Link Relation Registration "edit-form"

Relation Name:
edit-form

Description:
The target IRI points to a resource where a submission form for editing associated resource can be obtained.
Security Considerations:

Automated agents should take care when this relation crosses administrative domains (e.g., the URI has a different authority than the current document).

Reference:

See Section 3.

5. Security Considerations

See Section 7 of RFC5988 [RFC5988].

6. Internationalisation Considerations

See Section 8 of RFC5988 [RFC5988].

7. Normative References


Appendix A. Acknowledgements

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