

## The "create-form" and "edit-form" Link Relations

### Abstract

RFC 5988 standardized a means of indicating the relationships between resources on the Web. This specification defines link relation types that may be used to express the relationships between a resource and an input form for constructing data submissions.

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## 1. Introduction

RFC 5988 [RFC5988] standardized a means of indicating the relationships between resources on the Web. This specification defines link relation types that 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 Type

When included in a response, the "create-form" link relation indicates a target resource that represents a form that can be used to append a new member to the link context.

```
<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

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

##### 3.1.1. Using the "create-form" Link Relation

If the form representation includes a submission URI, this URI **MUST** be used to submit the form. The context URI **SHOULD** be used otherwise.

If the form representation includes a submission method, this method **MUST** be used for submit requests. HTTP's POST method **SHOULD** be used otherwise.

#### 3.2. The "edit-form" Link Relation Type

When included in a response, the "edit-form" link relation indicates a target resource that represents a form that can be used for updating the context 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

If the form representation includes a submission URI, this URI **MUST** be used to submit the form. The context URI **SHOULD** be used otherwise.

If the form representation includes a submission method, this method **MUST** be used for submit requests. HTTP's PUT method **SHOULD** be used otherwise.

### 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.

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 has registered 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 the 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 RFC 5988 [RFC5988].

**6. Internationalisation Considerations**

See Section 8 of RFC 5988 [RFC5988].

**7. Normative References**

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997.

[RFC5988] Nottingham, M., "Web Linking", RFC 5988, October 2010.

## Appendix A. Acknowledgements

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