[MS-FSFDP]: Forms Services Feature Detection Protocol

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1 Introduction

The Forms Services Feature Detection Protocol enables a protocol client to detect status of **form server** features, get the form server version, and get the constructed URL that is required to render a form in a Web browser.

Sections 1.8, 2, and 3 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in [RFC2119]. Sections 1.5 and 1.9 are also normative but does not contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

The following terms are defined in [MS-GLOS]:

ASCII
Augmented Backus-Naur Form (ABNF)
authentication
Hypertext Transfer Protocol (HTTP)
Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)
Unicode
UTF-8

The following terms are defined in <a>[MS-OFCGLOS]:

200 OK absolute URI feature form form file form server form template form template (.xsn) file **HTTP** method message body query component **Request-URI** site site collection Status-Code Status-Line **Uniform Resource Identifier (URI) Uniform Resource Locator (URL)**

The following terms are specific to this document:

rendering URL: The URL that is used to render an InfoPath form in a web browser if the form cannot be opened by using Microsoft InfoPath.

MAY, SHOULD, MUST, SHOULD NOT, MUST NOT: These terms (in all caps) are used as described in [RFC2119]. All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1.2 References

References to Microsoft Open Specification documents do not include a publishing year because links are to the latest version of the documents, which are updated frequently. References to other documents include a publishing year when one is available.

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information.

[RFC1945] Berners-Lee, T., Fielding, R., and Frystyk, H., "Hypertext Transfer Protocol -- HTTP/1.0", RFC 1945, May 1996, http://www.ietf.org/rfc/rfc1945.txt

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, http://www.rfc-editor.org/rfc/rfc2119.txt

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, http://www.ietf.org/rfc/rfc2616.txt

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, http://www.ietf.org/rfc/rfc2818.txt

[RFC3986] Berners-Lee, T., Fielding, R., and Masinter, L., "Uniform Resource Identifier (URI): Generic Syntax", STD 66, RFC 3986, January 2005, http://www.ietf.org/rfc/rfc3986.txt

[RFC5234] Crocker, D., Ed., and Overell, P., "Augmented BNF for Syntax Specifications: ABNF", STD 68, RFC 5234, January 2008, http://www.rfc-editor.org/rfc/rfc5234.txt

1.2.2 Informative References

[MS-FSDAP] Microsoft Corporation, "Forms Services Design and Activation Web Service Protocol".

[MS-GLOS] Microsoft Corporation, "Windows Protocols Master Glossary".

[MS-OFCGLOS] Microsoft Corporation, "Microsoft Office Master Glossary".

1.3 Overview

This protocol enables a protocol client to communicate with a protocol server over a **Hypertext Transfer Protocol (HTTP)** connection to perform the following supported functions:

- **Form Server Detection:** Using this protocol function, the protocol client can detect if form server **features** are present and enabled on the protocol server. The protocol client sends an HTTP request to the protocol server with a parameter to detect whether form server features are enabled, and the protocol server sends back an HTTP response containing the result.
- **Form Server Version Retrieval:** Using this protocol function, the protocol client can get the form server version after detecting if form server features are present and enabled on the protocol server. The protocol client sends an HTTP request to the protocol server with a parameter to get the form server version, and the protocol server sends back an HTTP response containing the result.
- **Rendering URL Construction:** Using this protocol function, the protocol client can construct the **URL** that is required to render a new or existing **form (2)** in a Web browser. The protocol client sends an HTTP request to the protocol server, and the protocol server sends back an HTTP response containing a URL that can be used to render the form (2) in a Web browser.

1.4 Relationship to Other Protocols

For message transport, this protocol uses the HTTP/1.0 protocol, as described in [RFC1945], the HTTP/1.1 protocol, as described in [RFC2616], or the **Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)** protocol, as described in [RFC2818].

The following diagram shows the underlying messaging and transport stack used by the protocol:

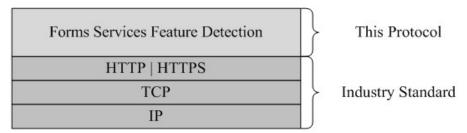


Figure 1: This protocol in relation to other protocols

This protocol is intended to be used as a prerequisite to calling the Forms Services Design and Activation Web Service Protocol, as specified in [MS-FSDAP].

1.5 Prerequisites/Preconditions

This protocol operates against a **site (2)** that is identified by a URL that is known by protocol clients. The protocol server endpoint is formed by appending "/_layouts/FormServerDetector.aspx"or "/_layouts/15/FormServerDetector.aspx" to the URL of the site (2).

This protocol assumes that authentication (2) has been performed by the underlying protocols.

1.6 Applicability Statement

The protocol client can use this protocol in the following scenarios:

- **Form Server Detection:** This function can be used by the protocol client to detect if the protocol server supports form server functionality.
- Form Server Version Retrieval: This function can be used by the protocol client to get the form server version.
- Rendering URL Construction: This function can be used to construct the required URL for rendering a form (2) in a Web browser if the form (2) cannot be opened by the protocol client.

1.7 Versioning and Capability Negotiation

This protocol uses multiple transports with either HTTP or HTTPS, as described in section 2.1.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

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2 Messages

2.1 Transport

Protocol servers MUST support HTTP, as specified in [RFC2616]. Protocol servers SHOULD additionally support HTTPS, as specified in [RFC2818], for securing communication with clients.

2.2 Message Syntax

The following subsections specify the different parts of HTTP request and response messages.

2.2.1 Request Syntax

2.2.1.1 Request HTTP Version

The HTTP version as specified in [RFC1945] section 3.1 or [RFC2616] section 3.1 MUST be either "HTTP/1.0" or "HTTP/1.1" for the requests that use this protocol.

2.2.1.2 Request HTTP Method

The **HTTP method** specified in [RFC1945] section 8 or [RFC2616] section 9 MUST be GET, as specified in [RFC1945] section 8.1 or [RFC2616] section 9.3, for the requests that use this protocol.

2.2.1.3 Request-URI Syntax

2.2.1.3.1 Request-URI Details

The **Request-URI** MUST be a valid **Uniform Resource Identifier (URI)**, as specified in [RFC3986].

The following **Augmented Backus-Naur Form (ABNF)**, as specified in [RFC5234], specifies the syntax of the **Request-URI**.

```
Request-URI = (path) "?" (query-component)
path = (base) "/_layouts" (opt_ver) "/FormServerDetector.aspx"
opt_ver = "" / "/15"
base = scheme ":" hier-part
```

The **base** ABNF rule identifies the site (2) on the server to which the request was made. The ABNF for **scheme** and **hier-part** is specified in [RFC3986] section 3.3. The **query component (1)** in the **Request-URI** is specified in the following section. The form server SHOULD support the value of "/15" **opt_ver**<1> but MAY respond with HTTP **Status-Code** 404<2>.

2.2.1.3.2 Query Component Details

The query component (1) of the **Request-URI** MUST be present. The following subsections specify the syntax of the query component (1) for the three functions that are supported by this protocol.

The following ABNF, as defined in <a>[RFC5234], specifies the syntax that the query component (1) MUST adhere to.

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```
query-component = (query-detection / query-version / query-URL)
```

The protocol server MUST interpret the value of the query component (1) as case-insensitive.

2.2.1.3.2.1 Request for Form Server Detection

To use the form server detection function, the query component (1) of the **Request-URI** MUST have the *IsFormServerEnabled* query parameter, which MUST be immediately followed by "=".

The following ABNF specifies the syntax that the query detection MUST adhere to.

```
query-detection = "IsFormServerEnabled=" query
```

The ABNF for the **query** rule is specified in [RFC3986] section 3.

If the protocol client passes any query parameters in addition to the *IsFormServerEnabled* parameter, the protocol server MUST ignore these additional parameters and the request for form server detection MUST take precedence.

2.2.1.3.2.2 Request for Form Server Version Retrieval

The protocol server SHOULD<3> support the form server version retrieval function. To use this method, the query component (1) of the **Request-URI** MUST have the *FormServerVersion* parameter, which MUST be immediately followed by "=".

The following ABNF specifies the syntax that the query version MUST adhere to.

```
query-version = "FormServerVersion=" query
```

The ABNF for the **query** rule is specified in [RFC3986] section 3.

If the *FormServerVersion* query parameter is not supported by the protocol server, this query parameter MUST be ignored. If no other supported query parameters exist in the query component (1), the protocol server MUST return Status-Code 204, as specified in section <u>2.2.2.1.1</u>.

If the protocol client passes the *IsFormServerEnabled* parameter, the request for form server detection MUST take precedence.

If the *FormServerVersion* parameter is supported by the protocol server and the protocol client passes additional parameters other than the *IsFormServerEnabled* parameter, the protocol server MUST ignore these additional parameters.

2.2.1.3.2.3 Request for Rendering URL Construction

To use the **rendering URL** construction function, the query component (1) and its query URL MUST adhere to the syntax that is specified in the following ABNF.

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The ABNF for the **scheme**, **path-absolute** and **hier-part** rules is specified in [RFC3986] section 3.

As specified in the preceding ABNF, the query component (1) supports three parameters:

- XmlLocation
- XsnLocation
- SaveLocation

The following table specifies the meaning of these parameters.

Parameter	Description	
XmlLocation	The path to a form file on the protocol server. MUST be an ASCII string that specifies the location of the form file that needs to be rendered on the protocol server. MUST follow the format specified in [RFC3986] .	
XsnLocation	The path to a form template (.xsn) file on the protocol server. MUST be an ASCII string that specifies the location of the form template , which can be used to generate a form file to be rendered on the protocol server. MUST follow the format specified in [RFC3986].	
SaveLocation	The path to a folder on the protocol server in the same site collection as FormServerDetector.aspx. MUST be an ASCII string that specifies the location where the form file can be saved, if needed. MUST follow the format specified in [RFC3986].	

The values of the parameters in the query component (1) MUST NOT contain any un-escaped characters that are listed as "reserved" in [RFC3986] section 2.2.

To construct the rendering URL for an existing form (2), the *XmlLocation* parameter MUST be specified. To construct the rendering URL for a new form (2), the *XsnLocation* parameter MUST be specified. In both cases, the *SaveLocation* parameter is optional.

Any other combination of the supported parameters MUST be treated as input that is not valid, and in such a case, the protocol server MUST return Status-Code 204, as specified in section 2.2.2.1.1. Any additional parameters, other than those specified in the preceding table, MUST be ignored by the protocol server.

The protocol server MUST NOT require that the parameters appear in a particular order.

2.2.1.4 Request Headers Syntax

The following request header is relevant to this protocol:

• **Accept:** This header is specified in [RFC1945] section D.2.1 or [RFC2616] section 14.1. The protocol client SHOULD specify this header with the value "*/*". The protocol server SHOULD ignore the value of this header.

2.2.2 Response Syntax

2.2.2.1 Response Status-Line

The response **Status-Line** MUST be valid according to [RFC1945] section 6.1 or [RFC2616] section 6.1.

2.2.2.1.1 Success Response

The protocol server MUST return HTTP Status-Code **200 OK** to indicate a success response, as specified in section 3.2.5. The response body MUST contain detailed results, as specified in section 2.2.2.3.

For success responses other than those specified for Status-Code 200 OK, the protocol server MUST return HTTP Status-Code 204 No Content as specified in section 3.2.5, and in [RFC1945] section 9.2 or [RFC2616] section 10.2.5.

2.2.2.1.2 Failure Response

The protocol server MUST return an HTTP 4xx or 5xx Status-Code, as specified in [RFC1945] section 6.1.1 or [RFC2616] section 6.1.1, to indicate that the request failed.

The protocol server SHOULD return the HTTP Status-Code 401 to indicate that the protocol client can retry the request using a different authentication (2) protocol or properties, but MAY<4> return a different code for this condition.

2.2.2.2 Response Headers

The following response headers are relevant to this protocol:

- Content-Length: Specified in [RFC1945] section 10.4 or [RFC2616] section 14.13.
- **Content-Type:** Specified in [RFC1945] section 10.5 or [RFC2616] section 14.17. MUST be present and MUST be set to "text/html; charset=utf-8" for Status-Code 200 OK.

2.2.2.3 Response Body Syntax

The response body returned from the protocol server for the functions that are supported by this protocol is specified in the following subsections. Failure responses for all functions MUST return a response with the **Content-Length** header set to zero and with no **message body (1)**. The protocol client MUST interpret the response as case-sensitive.

2.2.2.3.1 Response for Form Server Detection Request

HTTP 200 OK responses MUST return a message body (1) of **UTF-8** encoded text, as defined in [RFC5234] and specified in the following ABNF.

All white spaces MUST be preserved and any additional white spaces MUST NOT be added.

2.2.2.3.2 Response for Form Server Version Retrieval Request

If the form server supports this protocol function, HTTP 200 OK responses MUST return a message body (1) of UTF-8 encoded text, as defined in [RFC5234] and specified in the following ABNF.

```
message-body =/ "<server" %x20 "FormServerVersion" %x20 "=" %x20 "'15'" %x20 "/>"
```

All white spaces MUST be preserved and any additional white spaces MUST NOT be added.

If the form server does not support this protocol function, the protocol server MUST NOT return a response body, but instead, it MUST return Status-Code 204, as specified in section 2.2.2.1.1.

2.2.2.3.3 Response for Rendering URL Construction Request

Responses with Status-Code 200 OK MUST return a message body (1), as specified in the following ABNF.

The **rendering-url** rule in the ABNF refers to the URL that the protocol server MUST return so that the form (2) can be rendered in a Web browser. It MUST be a valid **absolute URI**, as specified in [RFC3986] section 4.3. If the form server is enabled on the protocol server, FormServer.aspx MUST exist in the site collection.

The **query-component** rule in the constructed URL MUST contain only the supported parameters that are sent from the protocol client, as specified in section <u>2.2.1.3.2.3</u>. The protocol server SHOULD return un-escaped characters when the value of the query parameter contains **Unicode** characters, but MAY return percent-encoded characters, as specified in [RFC3986] section 2.1, for the query parameter values in the query component (1). When the *SaveLocation* parameter is present in **rendering-url**, the protocol server SHOULD replace the "&" character before the *SaveLocation* parameter with a "?" character in the constructed rendering URL.

The ABNF for **scheme** and **hier-part** is specified in [RFC3986] section 3.3.

3 Protocol Details

3.1 Common Details

This section specifies details common to both protocol server and protocol client behavior.

Except where specified, protocol clients SHOULD interpret HTTP Status-Codes returned by the protocol server as specified in [RFC1945] section 9 or [RFC2616] section 10.

This protocol allows protocol servers to perform implementation-specific authorization checks and notify protocol clients of authorization faults using HTTP Status-Codes.

3.1.1 Abstract Data Model

This section specifies a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The specified organization is provided to facilitate the explanation of how the protocol behaves. This document does not mandate that implementations adhere to this model as long as their external behavior is consistent with that specified in this document.

The following paragraphs specify the following terms in the context of this protocol.

Base URL: The portion of the **Request-URI** that matches the **base** rule in the ABNF in section 2.2.1.3.1.

Query Parameters: The parameters in the query component (1) of the **Request-URI**, as specified in section 2.2.1.3.2, and its subsections.

3.1.2 Timers

None.

3.1.3 Initialization

None.

3.1.4 Higher-Layer Triggered Events

None.

3.1.5 Message Processing Events and Sequencing Rules

None.

3.1.6 Timer Events

None.

3.1.7 Other Local Events

None.

3.2 Client Details

3.2.1 Abstract Data Model

As specified in section 3.1.1.

3.2.2 Timers

None.

3.2.3 Initialization

None.

3.2.4 Higher-Layer Triggered Events

None.

3.2.5 Message Processing Events and Sequencing Rules

The Request-URI that the protocol client sends to the protocol server MUST contain the query component (1) and MUST follow the rules that are specified in section 2.2.1.3.

The protocol client MUST interpret the response based on the HTTP Status-Code as follows:

• **Status-Code** 200 OK: The request was successful and form server features are enabled on the protocol server. The response MUST be interpreted as specified in the following table.

Protocol Function	Status- Code	Meaning of Status-Code
Form Server Detection	200	Form server features are enabled on the protocol server. The response body contains the text specified in section $2.2.2.3.1$.
Form Server Version Retrieval	200	Form server features are enabled on the protocol server and the form server version was successfully returned. The response body contains the text specified in section 2.2.2.3.2 .
Rendering URL Construction	200	Rendering URL has been successfully constructed. The response body contains the rendering URL in the format specified in section 2.2.2.3.3.

 Status-Code 204: The request was successful, and the response MUST be interpreted as specified in the following table. The protocol server MUST NOT return a response body.

Protocol Function	Status- Code	Meaning of Status-Code
Form Server Detection	204	Form server features are not enabled on the protocol server.
Form Server Version Retrieval	204	The FormServerVersion query parameter is not supported by the protocol server or form server features are not enabled on the protocol server, and the form server version was not returned.
Rendering URL Construction	204	The protocol server cannot construct the rendering URL, based on the given parameters. Possible reasons can be incorrect syntax or value in the query parameter, or form server features are not enabled on the

Protocol Function	Status- Code	Meaning of Status-Code
		protocol server.

- Status-Code 302: As specified in [RFC2616] section 10.3.3.
- Status-Code 4xx/5xx: The request failed. The response body MUST NOT contain the text specified in section 2.2.2.3.1, section 2.2.2.3.2, and section 2.2.2.3.3, but can include informative text providing details of the failure.

3.2.6 Timer Events

None.

3.2.7 Other Local Events

None.

3.3 Server Details

3.3.1 Abstract Data Model

As specified in section 3.1.1.

3.3.2 Timers

None.

3.3.3 Initialization

None.

3.3.4 Higher-Layer Triggered Events

None.

3.3.5 Message Processing Events and Sequencing Rules

The protocol server MUST process request messages received from a protocol client as follows:

- the protocol server MUST validate that the request syntax matches the syntax specified in section 2.2.1.3. If the syntax is not valid, the protocol server MUST return Status-Code 204.
- before checking any of the other query parameters in the query component (1), the protocol server MUST look for the presence of the IsFormServerEnabled parameter. If the parameter IsFormServerEnabled exists:
 - •the protocol server MUST process the request as a form server detection request and MUST ignore any extra parameters.
 - •if the form server is enabled on the protocol server, the protocol server MUST return Status-Code 200 OK. For such a response, the protocol server MUST generate a response body that MUST contain the text specified in section 2.2.2.3.1.

- •if the form server is not enabled on the protocol server, the protocol server MUST return Status-Code 204 No Content.
- if the parameter *IsFormServerEnabled* does not exist in the query parameters, the protocol server SHOULD<5> look for the presence of the *FormServerVersion* parameter. If the parameter *FormServerVersion* exists and is supported by the protocol server:
 - •the protocol server MUST process the request as a form server version retrieval request and MUST ignore any extra parameters.
 - •if the form server is enabled on the protocol server, the protocol server MUST return Status-Code 200 OK. For such a response, the protocol server MUST generate a response body that MUST contain the text specified in section 2.2.2.3.2.
 - •if the form server is not enabled on the protocol server, the protocol server MUST return Status-Code 204 No Content.
- if the parameter *IsFormServerEnabled* does not exist in the query parameters, and either the form server version retrieval method is not supported or the *FormServerVersion* query parameter is not present:
 - ■the protocol server MUST verify that the parameter list conforms to one of the supported combinations specified in section 2.2.1.3.2.3. If the combination of parameters is not valid, the protocol server MUST return Status-Code 204 No Content.
 - ■the protocol server MUST validate that the values for the *XmlLocation* and *XsnLocation* parameters are valid, as specified in the table in section 2.2.1.3.2.3. If the validation fails, the protocol server MUST return Status-Code 204 No Content.
 - ■the protocol server MUST validate that the protocol client has permission to the resources specified by the parameter values. If the validation fails, the protocol server SHOULD return Status-Code 401 Unauthorized, but MAY
 6> return a different code.
 - •if the validation succeeds and form server features are enabled on the protocol server, the protocol server MUST return Status-Code 200 OK. For a response with Status-Code 200 OK, the protocol server MUST generate a response body as specified in section 2.2.2.3.3, and as shown in the example in section 4.3.2.1.
 - •if form server features are not enabled on the protocol server, the protocol server MUST return Status-Code 204 No Content.

3.3.6 Timer Events

None.

3.3.7 Other Local Events

None.

4 Protocol Examples

This section illustrates the messages exchanged when a protocol client makes a successful HTTP request to a protocol server using this protocol.

4.1 Form Server Detection

The example in the following subsections shows the client and server interaction during form server detection.

4.1.1 Client Request

The following example is a protocol client request to detect whether form server features are enabled on the protocol server.

```
GET /_layouts/FormServerDetector.aspx?IsFormServerEnabled=check HTTP/1.1
Accept: */*
Host: www.contoso.com
```

4.1.2 Server Response

4.1.2.1 Response When Form Server Is Enabled

The following example shows the response text when form server features are enabled on the protocol server.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 39
Content-Type: text/html; charset=utf-8
Server: Microsoft-IIS/6.0
X-Powered-By: ASP.NET
<server IsFormServerEnabled = 'true' />
```

4.1.2.2 Response When Form Server Is Not Enabled

The following example shows the response text when form server features are not enabled on the protocol server.

```
HTTP/1.1 204 No Content
Cache-Control: Private
Content-Length: 0
Server: Microsoft-IIS/6.0
X-Powered-By: ASP.NET
```

4.2 Form Server Version Retrieval

The example in the following subsections shows client and server interaction during the form server version retrieval.

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4.2.1 Client Request

The following example is a protocol client request to get the version of form server.

```
GET /_layouts/FormServerDetector.aspx?FormServerVersion=check HTTP/1.1 Accept: */* Host: www.contoso.com
```

4.2.2 Server Response

4.2.2.1 Response When Form Server Is Enabled

The following example shows the response text when form server features are enabled on the protocol server.

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 35
Content-Type: text/html; charset=utf-8
Server: Microsoft-IIS/6.0
X-Powered-By: ASP.NET

<server FormServerVersion = '15' />
```

4.2.2.2 Response When Form Server Is Not Enabled

The following example shows the response text when form server features are not enabled on the protocol server.

```
HTTP/1.1 204 No Content
Cache-Control: Private
Content-Length: 0
Server: Microsoft-IIS/6.0
X-Powered-By: ASP.NET
```

4.3 Rendering URL Construction

The example in the following subsections shows client and server interaction during the construction of the rendering URL.

4.3.1 Client Request

The following example is a request to obtain the rendering URL of an existing form (2) from the protocol server.

```
GET /_layouts/FormServerDetector.aspx?XmlLocation=/Folder/filename.xml HTTP/1.1
Accept: */*
Host: www.contoso.com
```

4.3.2 Server Response

4.3.2.1 Response When Form Server Is Enabled

The following example shows the response text of a request as shown in section 4.3.1, when the parameter is valid and form server features are enabled on the protocol server.

HTTP/1.1 200 OK
Cache-Control: private
Content-Length: 102
Content-Type: text/html; charset=utf-8
Server: Microsoft-IIS/6.0
X-Powered-By: ASP.NET

OpenInFormServer=http://www.contoso.com/_layouts/FormServer.aspx?XmlLocation=/Folder/filename
.xml&OpenIn=Browser

4.3.2.2 Response When Form Server Is Not Enabled

The following example shows the response text of a request as given in section 4.3.1, when form server features are not enabled on the protocol server.

HTTP/1.1 204 No Content Cache-Control: Private Content-Length: 0 Server: Microsoft-IIS/6.0 X-Powered-By: ASP.NET

5 Security

5.1 Security Considerations for Implementers

This protocol introduces no additional security considerations beyond those applicable to its underlying protocols.

5.2 Index of Security Parameters

None.

6 Appendix A: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Microsoft Office Forms Server 2007
- Microsoft Office InfoPath 2007
- Microsoft InfoPath 2010
- Microsoft InfoPath 2013
- Microsoft Office SharePoint Server 2007
- Microsoft SharePoint Server 2010
- Microsoft SharePoint Server 2013

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

<1> Section 2.2.1.3.1: SharePoint Server 2010 exposes this protocol by appending "/_layouts/FormServerDetector.aspx" to the URL of the site (2); SharePoint Server 2013 exposes this protocol by appending "/_layouts/15/FormServerDetector.aspx" to the URL of the site (2).

<2> Section 2.2.1.3.1: SharePoint Server 2010 returns HTTP Status-Code 404

<3> Section 2.2.1.3.2.2: The form server version retrieval function is only supported in SharePoint Server 2010.

<4> Section 2.2.2.1.2: Office SharePoint Server 2007 and SharePoint Server 2010 return a 401 Unauthorized Status-Code if the client is not authorized to access the path in the **Request-URI**. If the client is authorized to access the path in the **Request-URI** but is not authorized to access a resource identified by the query parameters in the **Request-URI**, SharePoint Server 2010 returns a 204 No Content Status-Code and Office SharePoint Server 2007 returns a 302 Found Status-Code.

<5> Section 3.3.5: The FormServerVersion query parameter is only supported in SharePoint Server 2010.

<a href="<><6> Section 3.3.5: If the client is authorized to access the path in the **Request-URI** but is not authorized to access a resource identified by the query parameters in the **Request-URI**, SharePoint Server 2010 returns a 204 No Content Status-Code and Office SharePoint Server 2007 returns a 302 Found Status-Code.

7 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

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