

2.4 Data Web Service

This service provides API methods for manipulating CRF item data in OpenClinica. The WSDL file associated with this service could be found here:

<http://host:8080/OpenClinica/ws/data/v1/dataWSDL.wsdl> .

Approved for publication by Cal Collins. Signed on 2014-04-02 3:53PM

Not valid unless obtained from the OpenClinica document management system on the day of use.

2.4.1 Import

Usage

This web service inserts CRF item data. The data supplied to the method should be in [CDISC ODM XML format](#).

Starting with OpenClinica release 3.6, the **UpsertOn** tag and **OpenClinica:Status** clause are available. Details are provided in [CDISC ODM XML format](#)

Starting with OpenClinica release 3.1.3 if you have [Rules](#) attached to your CRF, you can run them when uploading data from web services by turning on ImportDataEntry flag in rules definition. For example, in order to enable a discrepancy note rule action executed on import the rule should have ImportDataEntry flag set to true:

```
<?xml version="1.0" encoding="UTF-8"?>
<RuleImport>
  <RuleAssignment>
    <Target>I_RULES_WEIGHT</Target>
    <RuleRef OID="RU2">
      <DiscrepancyNoteAction IfExpressionEvaluates="false">
        <Run AdministrativeDataEntry="true"
          InitialDataEntry="true" DoubleDataEntry="true"
          ImportDataEntry="true" Batch="false"/>
      </DiscrepancyNoteAction>
    </RuleRef>
  </RuleAssignment>
  <Message>This is a discrepancy note test</Message>
```

```

    </DiscrepancyNoteAction>

</RuleRef>

</RuleAssignment>

<RuleDef OID="RU2" Name="Blank exam date">

    <Description>CRF can not be blank.</Description>

    <Expression>I_RULES_HEIGHT eq "100"</Expression>

</RuleDef>

</RuleImport>

```

SOAP XML Request and Response Template

```

<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://openclinica.org/ws/data/v1"
xmlns:OpenClinica="http://www.openclinica.org/ns/odm_ext_v130/v3.1"
>
  <soapenv:Header>
    <wsse:Security soapenv:mustUnderstand="1"
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
-wssecurity-secext-1.0.xsd">
      <wsse:UsernameToken wsu:Id="UsernameToken-27777511"
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-utility-1.0.xsd">
        <wsse:Username>user</wsse:Username>
        <wsse:Password
Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-usern
ame-token-profile-1.0#PasswordText">password</wsse:Password>
      </wsse:UsernameToken>
    </wsse:Security>
  </soapenv:Header>
  <soapenv:Body>
    <v1:importRequest>
      <odm><![CDATA[
<ODM ....
.....
</ODM>]]>
    </odm>
  </v1:importRequest>
</soapenv:Body>
</soapenv:Envelope>

```

```

<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Header/>
<SOAP-ENV:Body>

    . . . . .
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parameters

Request Parameters

Parameter	UI	Domain	DB	Validations	Datatypes	Examples	Required
studyRef:identifier	Unique Protocol ID	StudyBean:identifier	study:unique_identifier	N/A	String	<identifier>study identifier</identifier>	Y
siteRef:identifier	Unique Protocol ID	StudyBean:identifier	study:unique_identifier	N/A	String	<identifier>site identifier</identifier>	N

Response Parameters

Parameter	UI	Domain	DB	Result on success	Result on fail
result	n/a	n/a	n/a	<result>Success</result>	<result>Fail</result>
warning	n/a	n/a	n/a	<warning>A warning message</warning>	n/a
error	n/a	n/a	n/a	n/a	<error>An error message indicating reason of failure</error>