

TWiki . EBR . FormsXmlSystem

Table Of Contents

- [Table Of Contents](#)
- [Introduction](#)
- [How to configure/customise your service](#)
- [Mapping Common User Interface services to Ebr Services](#)
- [Schema](#)
 - [FormsXml Attributes](#)
 - [FormsXml Content](#)
 - [Understanding FormsXml Fields](#)
 - [Referencing Table Codes](#)
 - [Using Address Line](#)
- [Problem Solving](#)
- [Comments / Feedback](#)

Introduction

The request [EbrMessages](#) have multiple fields, some of which [EbrGateways](#) are unable to support. It is undesirable to display these unsupported fields to the [CommonUserInterface EbrUser](#), therefore each [EbrGateway](#) should be able to configure the fields that are displayed when querying their [DataSource](#).

Therefore, the [FormsXml](#) system allows [EbrOperators](#) to define which fields their [EbrGateway](#) accepts. It also allows the definition of rules to be applied on the fields. The combination of fields and rules is defined via a simple XML structure.

Each [EbrService](#) called by the [CommonUserInterface](#) relies on the existence of a [FormsXmlFile](#) for the service, see [FormsXmlMappings](#) to understand the mappings between [CommonUserInterface](#) services and [EbrServices](#).

How to configure/customise your service

When accessing a service at the Cui, a [FormsXmlFile](#) is loaded to create the input form displayed to the user. The default view will be created by loading the [FormsXmlFile](#) in the [GlobalFormsXmlFolder](#) folder. In order to configure which fields are displayed you must ensure that a version of the [FormsXmlFile](#) exists in your [LocalFormsXmlFolder](#) folder.

When calling the `EBR_CompanyProfile_1` service at the [CommonUserInterface](#) attempts to load the [FormsXmlFile](#) `CUI_CompanyProfile_1.xml`, see [FormsXmlMappings](#) for more information. There are two possible places the [FormsXmlFile](#) can be located:


- First it looks in your [LocalFormsXmlFolder](#) folder for the [LocalFormsXmlFile](#)
- If that failed it will look in the [GlobalFormsXmlFolder](#) folder for the [GlobalFormsXmlFile](#)

Example: Consider the directory listing:

data/CUI/cui/forms/CUI_CompanySearch_1.xml	GlobalFormsXmlFile
data/CUI/cui/forms/CUI_CompanySearch_1advanced.xml	GlobalFormsXmlFile
data/EBR_NG_test/cui/forms/CUI_CompanySearch_1.xml	LocalFormsXmlFile

In the example above:

- A request for CUI_CompanySearch_1 will return the [LocalFormsXmlFile](#) data/EBR_NG_test/cui/forms/CUI_CompanySearch_1.xml
- A request for CUI_CompanySearch_1advanced.xml will return the [GlobalFormsXmlFile](#) data/CUI/cui/forms/CUI_CompanySearch_1advanced.xml

 - **WARNING:** The [CommonUserInterface](#) uses [GlobalFormsXmlFiles](#) as the default field display, unless a file with the same name is placed into the nodes [LocalFormsXmlFolder](#) (the [LocalFormsXmlFile](#)).

Mapping Common User Interface services to Ebr Services

A service at the [CommonUserInterface](#) calls an [EbrService](#), although the name of the [EbrService](#) is implied by the name of the [FormsXmlFile](#), we have listed the mappings below to avoid any confusion.

CuiService?	EbrService
CUI_CompanySearch_1	EBR_CompanySearch_1
CUI_CompanySearch_1advanced	EBR_CompanySearch_1
CUI_OfficialSearch_1	EBR_OfficialSearch_1
CUI_OfficialSearch_1advanced	EBR_OfficialSearch_1
CUI_CompanyProfile_1	EBR_CompanyProfile_1
CUI_CompanyOfficials_1	EBR_CompanyOfficials
CUI_OfficialProfile_1	EBR_OfficialProfile
CUI_ProductSearch_1	EBR_ProductSearch_1

Schema

The [FormsXmlSchema](#) is supplied to help [EbrDevelopers](#) understand the structure of the [FormsXmlFiles](#), it can be found in the datalayer folder: data/CUI/cui/forms/ebr-forms.xsd

FormsXml Attributes

The root element form, must contain five attributes id, name, toggle, level and xmlns.

Attribute	Description	Content
id	The node id that FormsXmlFile belongs to.	Node id
level	Determines the level of the form	simple OR advanced

name	The name of the EbrService that the form links to (e.g. EBR_CompanySearch_1)	Service id
toggle	Determines if the ComplexityToggle should be displayed.	FormsXmlComplexityToggle
xmlns	The FormsXmlFile Namespace	http://ebr.orctel.com/ebr/xml/v2_0_0/forms

Example:

```
<form name="EBR_CompanyProfile_1" id="GBR_NG_orchid" xmlns="http://ebr.orctel.com/ebr/xml/v2_0_0/forms" toggle="none">
...
</form>
```

FormsXml Content

A form may contain [1..*] fields.

Example:

```
<form name="CUI_OfficialSearch_1" ID="EBR_NG_test">
<field name="FirstName" mandatory="true" minLength="2" maxLength="30" type="text"/>
<field name="FamilyName" mandatory="true" minLength="2" maxLength="30" type="text"/>
</form>
```

Understanding FormsXml Fields

Each input item to be represented at the CUI is configured using a `field`. The `field` specifies how a corresponding input field should be displayed, if a value must be given and the permitted lengths for a value supplied.

Table 13.4. Field Validation Attributes


Attribute	Description	Mandatory?
name	The field name (unique for the form)	Y
mandatory	If 'true' the field must be supplied, default value is false	N
minLength	The minimum length allowed for the field (if supplied)	N
maxLength	The maximum length allowed for the field (if supplied)	N
minOccurs	The minimum number of fields that is required to be a valid request	N
value	default value	N
type	The type that the field represents, ['text', 'password', 'date', 'table-codes']	Y
excluded	See FormsXmlFieldExcludedAttribute	N
required	See FormsXmlFieldRequiredAttribute	N


 - *NOTE:*For simplicity, when declaring a local [FormsXmlFile](#) please ensure that you maintain the same 'type' as the corresponding Field in the global file.

Referencing Table Codes


A special case arises where the `type` attribute is set to 'table-codes'. In this case the field must contain an element named `table` which is a reference to the [TableDataSystem](#). The Cui will locate the table and display it's contents as a list of options.

Attribute	Description	Mandatory?
owner	The TableData owner	Y
version	The TableData version	Y
id	The TableData id	Y
table	The TableData table to reference	Y
code	This should be a space separated list of codes, if this is given then only the codes specified will be accepted for the service	N

 - **NOTE:** if `code` is not supplied then the entire contents of the table are permitted.


 - **WARNING:** if the table referenced cannot be found the `field` will not be displayed, if the field is mandatory then you must ensure that a default value is given for the field.


```
<form name="CUI_CompanySearch_1" id="EBR_NG_test" toggle="none" xmlns="http://ebr.
orctel.com/ebr/xml/v2_0_0/forms">
<field name="CompanyName" mandatory="true" maxLength="50" type="text"/>
<field name="StatusGroupTD" mandatory="false" type="table-codes">
<table owner="EBR" version="1" id="default" table="StatusGroup" code="AC NA"/>
</field>
<field name="RegistrationAuthorityTD" mandatory="true" type="table-codes">
<table owner="GBR_NG_ngc" version="1" id="default" table="RegistrationAuthority"/>
</field>
</form>
```

 - **NOTE:** See the [TableCodes](#) section for more information about Table Data and Codes.

Using Address Line


Addresses are handled as text fields, each form contains multiple fields that relate to the address. This enables each gateway to configure which parts of the address they allow in service requests.

 - **NOTE:** 'Code' is the [TableData](#) Code that will be used in the request message for the Ebr Address Line Type TD.

 - **NOTE:** You can determine which address fields are appropriate for each service by referring to the [GlobalFormsXmlFolder](#).

Field 'name'	Code	Order
CareOf	COF	1
OfficeName	NAM	2

StreetNumber	NBR	3
Street	STR	4
Locality	TWN	5
PostalCode	CPT	6
POBox	BOX	7

 - **NOTE:** See the [TableCodes](#) section for more information about Table Data and Codes.

Problem Solving

Problem	Solution
form never validates	Check excludes, required logic and ensure any table-code table references are valid or have a default value
field not displayed at CUI	Check local the field name is correct against GlobalFormsXmlFolder file
GlobalFormsXmlFolder file is always loaded	Check that the name of the LocalFormsXmlFolder file matches the GlobalFormsXmlFolder file name, and that it exists in your local cui-forms folder
Drop down lists are not displayed properly	This is most probably due to an invalid table-codes table reference. Check the table child of the field. You may need to create a local Forms XML file changing the owner attribute to your Node ID.

Comments / Feedback

Your post will appear before this form in chronological order (newest at bottom)

----- Revision r1.11 - 15 Mar 2004 - 10:54 GMT - [MartinWood](#)

Copyright © 1999-2003 by the contributing authors. All material on this collaboration platform is the property of the contributing authors. Ideas, requests, problems regarding TWiki? [Send](#) feedback.