

Data Export Tool: Tips and Tricks

- Export repeat groups
- Export one row for each case that was altered by a form
- Determine if a case was created, update or closed by a form
- Determine if a form was submitted from a mobile phone or via some other means (API, bulk upload, Cloucare etc)
- Convert output values based on a mapping

Export repeat groups

- Set the "Data Source" to be the path of your repeat group e.g. "form.form.question_group.repeat_group[*]"
- Reference the questions directly i.e. instead of "form.question_goup.repeat_group.question1" you should use "question1"
- Reference root properties of the form with: \$
 - e.g. \$.form.@name, \$.id
- Reference the id of the repeat group with: id

	A	B	C	D	E
1	Data Source	Filter Name	Filter Value	Field	Source Field
2	<u>form.form.path.to.repeat[*]</u>			form_id	\$.id
3				form_name	\$.form.@name
4				repeat_question1	repeat_question1
5				repeat_question2	repeat_question2

Export one row for each case that was altered by a form

- Use "form[*].form..case" as the data source.
- reference case properties directly e.g. @case_id
- reference root properties of the form with '\$' e.g. \$.domain, \$.form.@name

	A	B	C	D	E	F	G
1	Data Source	Filter Name	Filter Value		Field	Source Field	Map Via
2	form[*].form..case				case_id	@case_id	
3					form_name	\$.form.@name	
4					domain	\$.domain	
5					user_id	\$.metadata.userID	
6					starttime	\$.metadata.timeStart	
7					endtime	\$.metadata.timeEnd	
8					form_id	\$.id	
9							

Determine if a case was created, update or closed by a form

- Use the technique above to export one row for each case in the form
- Reference the 'create', 'update' and 'close' fields in the case and map them via the 'bool' mapping

This will produce a 'True' or 'False' value in the output.

	A	B	C	D	E	F	G
1	Data Source	Filter Name	Filter Value		Field	Source Field	Map Via
2	form[*].form..case				case_id	@case_id	
3					form_name	\$.form.@name	
4					domain	\$.domain	
5					user_id	\$.metadata.userID	
6					starttime	\$.metadata.timeStart	
7					endtime	\$.metadata.timeEnd	
8					form_id	\$.id	
9					created	create	bool
10					updated	update	bool
11					closed	close	bool

Determine if a form was submitted from a mobile phone or via some other means (API, bulk upload, Cloucare etc)

- Reference the 'is_phone_submission' property of the form

	A	B	C	D	E	F
1	Data Source	Filter Name	Filter Value		Field	Source Field
2	form				form_name	form.@name
3					form_id	id
4					is_phone_submission	is_phone_submission
5						

Convert output values based on a mapping

 Available in version 0.12.5 and above.

In some instances you may want to convert an output value to something else by doing a 'lookup'. For example:

Convert this output	To this output
Gender	Gender
m	Male
f	Female

To do this we need to add a 'Mappings' sheet to our configuration file which contains the lookups for the fields we want to convert.

Here is our configuration sheet:

	B	C	D	E	F
1	Filter Name	Filter Value		Field	Source Field
2	xmlns:exact	http://openrosa.org/formdesi		Gender	form_gender
3					
4					

Export Gender Mappings

And here we've added a new sheet called "Mappings" which contains 3 columns:

- Mapping Name - this must match the name of a "Field" in the main configuration sheet
- Source - this is the value that you want to convert from
- Destination - this is the value that you want to convert to

Here is the Mapping sheet from our example:

	A	B	C
1	Mapping Name	Source	Destination
2	Gender	m	Male
3	Gender	f	Female
4			

Export Gender Mappings