

Data Export Tool: Tips and Tricks

- Export repeat groups
- Export a case or form in JSON representation
- 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	form.form.path.to.repeat[*]			form_id	\$.id
3				form_name	\$.form.@name
4				repeat_question1	repeat_question1
5				repeat_question2	repeat_question2

Export a case or form in JSON representation

- Set the "Data Source" to "form" or "case", depending on what is supposed to be extracted.
- Set the "Source Field" to "[*]"

	A	B	C	D	E	F
1	Data Source	Filter Name	Filter Value		Field	Source Field
2	form				Form ID	id
3					JSON doc	[*]
4						
5						

Something important to note, in this query file we are not applying any filters and considering that the "Data Source" is generic this would include all forms or cases regardless of their type.

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				

Navigation icons: Home, Left, Right, End, Add (+), Export Gender, Mappings