# The tables building up the Data Inventory Manager are out of synch

## Find out in which table the problem is - Field

SELECT

customdefinedfield.name,

customdefinedfield.cdf\_datatype,

customdefinedfield.entitytype

FROM

customdefinedfield

Left Join `field` ON customdefinedfield.cdf\_id = `field`.cdf\_guid

WHERE

`field`.cdf\_guid IS NULL

**Note!** in this document there are NO instructions on how to fix problems of this kind.

## Find out in which table the problem is - CustomDefinedField

SELECT

`field`.property\_name,

`field`.fieldtype,

`field`.display\_mechanism,

`field`.cdf\_guid

FROM

customdefinedfield

Right Outer Join `field` ON customdefinedfield.cdf\_id = `field`.cdf\_guid

WHERE

customdefinedfield.cdf\_id IS NULL AND

`field`.cdf\_guid IS NOT NULL AND

(`field`.fieldtype = 'cdf' OR

`field`.fieldtype = 'select\_cdf')

ORDER BY

`field`.fieldtype ASC

## How to fix second problem

There is row(s) missing in the *customdefinedfield*. It is NOT recommended to delete them from the *field* table because they may be referenced from other places in IMSMA:

* saved searches;
* Data Entry Templates;
* user preferences;
* etc.

##### Which datatype should it have?

In the table *field* there are three different field type for CDFs:

* cdf
* select\_cdf
* text\_cdf

select\_cdf is ONLY used for single-select and distinguish between radio buttons and combo box (RADIO\_BUTTONS and COMBO\_BOX as display mechanism).

text\_cdf is new for 6.0 and distinguish between area and field (TEXT\_FIELD and TEXT\_AREA as display mechanism).

SELECT

`field`.field\_guid,

`field`.category\_guid,

`field`.sequence\_number,

`field`.cdf\_guid,

`field`.property\_name,

`field`.fieldtype,

`field`.display\_mechanism

FROM

`field`

WHERE

`field`.cdf\_guid = 'c0a8-d801-13302a33727-5c82315b-1e-f7e'

If you do not get any guidance here then next place to get guidance from is the table *cdfvalue*.

SELECT DISTINCT

cdfvalue.`position`,

cdfvalue.value\_type,

cdfvalue.stringvalue,

cdfvalue.numbervalue,

cdfvalue.datevalue,

cdfvalue.organisation\_value,

cdfvalue.place\_value,

cdfvalue.gazetteer\_value

FROM

cdfvalue

WHERE

cdfvalue.cdf\_id = 'c0a8-d801-13302a33727-5c82315b-1e-f7e'

If there are values in number, date, organisation, place or gazetteer then you have the answer.

If there are values in string then it could either be a text or a multi-select.

Which you will see in the table *allow\_value\_set*.

SELECT

allowed\_value\_set.allowed\_value\_set\_type,

allowed\_value\_set.data\_type,

allowed\_value\_set.allows,

allowed\_value\_set.value

FROM

allowed\_value\_set

WHERE

allowed\_value\_set.cdf\_id = 'c0a8-d801-13302a33727-5c82315b-1e-f7e'

If you find rows here it is a multi-select (if it was a single-select you would already have identified that in table *field*).

If you have not been able to identify data type 100% by now then I would use text.

##### Which item and category did it belong to?

SELECT

category.pojo\_parent,

category.name\_translation\_key,

category.category\_guid

FROM

`field`

Inner Join category ON `field`.category\_guid = category.category\_guid

WHERE

`field`.cdf\_guid = 'c0a8-d801-13302a33727-5c82315b-1e-f7e'



1. Open table *customdefinedfield* in Navicat
2. Scroll/page to the end



1. Click on + button



1. Copy and paste the cdf\_id into the column.
2. Name we cannot know so give it e.g. cdf\_recreated\_qa
3. Set the **correct** value for cdf\_datatype and entitytype (see below).

|  |  |  |
| --- | --- | --- |
| **cdf\_datatype** |  | **entitytype \*** |
| DATE |  | Accident |
| GAZETTEER |  | Gazetteer |
| MULTI\_SELECT |  | GEOPOINT |
| NUMBER |  | Hazard |
| ORGANISATION |  | HAZARD\_DEVICE |
| PLACE |  | Hazard Reduction |
| SINGLE\_SELECT |  | HAZARD\_REDUCTION\_DEVICE |
| TEXT\_FIELD |  | Location |
|  |  | MRE |
|  |  | Organisation |
|  |  | Place |
|  |  | QA |
|  |  | Task |
|  |  | Victim |

\* Note there are more entity types than these but these are the most common used

1. Write the same for label and description as you did for Name
2. dataentrydate will be set automatically when you save
3. dataenterer = migration
4. isactive = 1
5. Save by moving the cursor to another row.
6. Run the queries in ‎1.1 Find out in which table the problem is - Field and ‎1.2 Find out in which table the problem is - CustomDefinedField **again**.
7. If there is now no rows in the result then you have fixed the problem.
8. Verify by opening the DIM (you could have done another mistake when you re-created the row in the table *customdefinedfield* e.g. misspelling of cdf\_datatype and entitytype)



And the CDF is back in the item and category it should be ☺