



Infocapture Database Structure Explained and How to use BI Business Intelligence (BI Tool)

Overview

A simple guide to help on-prem clients to integrate InfoCapture with their existing BI (Business Intelligence) software.

InfoCapture provides an easy and quick way to create eform, capture information and design business process for your organisation. Many enterprises may have already implemented BI (Business Intelligence) tool inhouse such as [Microsoft Power BI](#), or [Tableau](#),

Many of this tool provides connection directly to SQL database allowing data to be manipulated in realtime. This guide is to help understand how InfoCapture data is stored and structured and how to create SQL view for your BI tools.

Please note: this is only possible for on-premise deployment and you have direct access to the SQL database.

SQL View

InfoCapture tables are designed to allow your users to create form and design business process without coding knowledge. This may not provide direct view required for BI tools, in this case, the SQL view needs to be created.

SQL View: a view is a virtual table based on the resultset of an SQL statement. A view contains rows and columns, just like a real table. The fields in a view are fields from one or more real tables in the database.

Resource

How to create SQL View depends on the type of database

[MSSQL](#)

[MySQL](#)

Understanding InfoCapture Tables

InfoCapture Project

We are using an example InfoCapture Project called "Claromentis Asset Records" below

List of issues

Enter your search words... Search

STATISTICS
 55 All
 19 Reported by me

OPTIONS
[Report issue](#)
[List of issues](#)
[Statistics](#)

(1-20/55)

ID	Product Make/Model	Asset Type	Department	Cost	Currently Used By	Created
039945	JetBrains PhpStorm	Software	Please Select	InfoCapture Tickets	Edd Trent	05-Dec-2014 15:05
037618	Parallel Desktop 10	Software	IA	29	[not selected]	19-Oct-2014 20:00

InfoCapture Project users view

http://ntis.com/intranet/panels/helpdesk_edit_project.php?id=144#_project_tab

144 = Projects ID

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Admin » Infocapture panel » Project properties

Project properties Custom messages

Name: Claromentis Asset Records **Project Name**

Project status: Active

Edit project descriptions...

Use mail fetching: Configure

STATUS field appears: Manage statuses

ASSIGNED field appears:

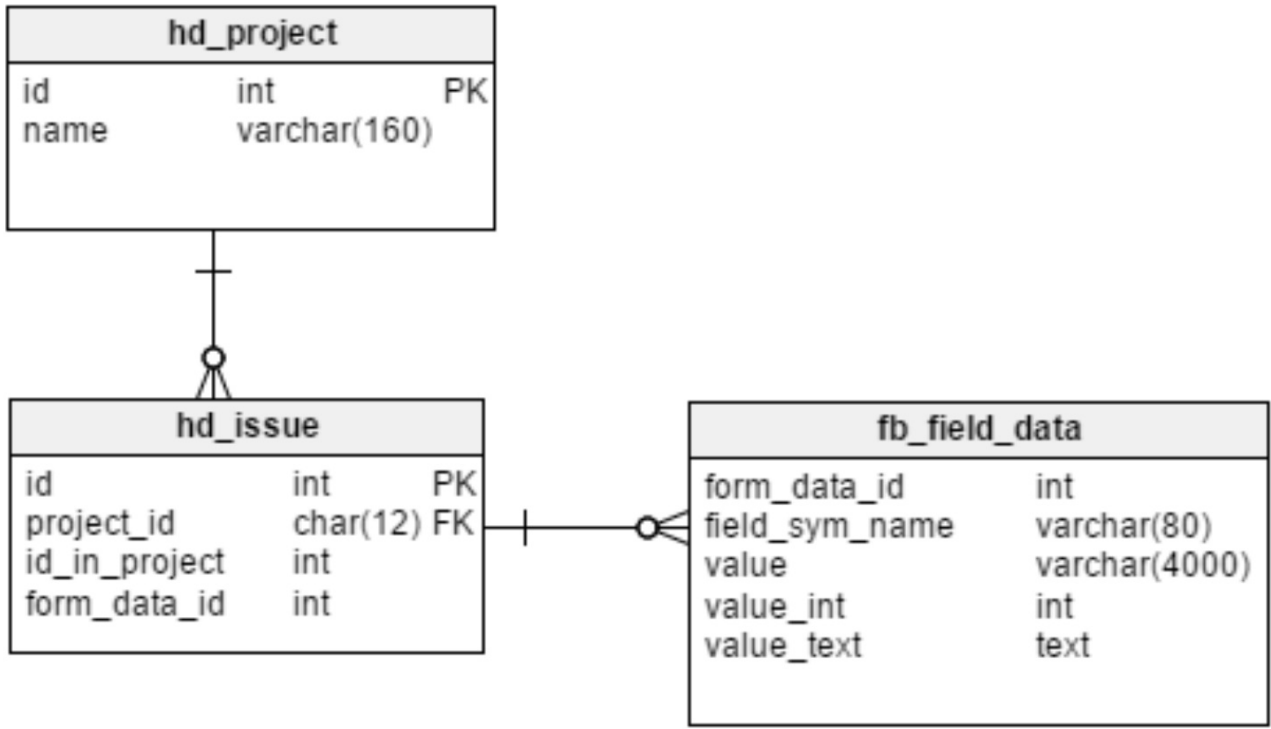
Issues ID prefix: Reset counter
Project issues have its own numeration if prefix is set

Codename: ASSET
If specified, the project will have its own URL /forms/(codename)/

Plugin class name:

Save

InfoCapture Database Tables



Data relational diagram between InfoCapture Project (hd_project) InfoCapture Tickets (hd_issue) and InfoCapture Field Data (fb_field_data)

hd_project

hd_project	Search: id = 144										
TABLES hd_project hd_project_assigning hd_project_localization	<table border="1"> <thead> <tr> <th>id</th> <th>name</th> <th>description</th> <th>status</th> <th>lis</th> </tr> </thead> <tbody> <tr> <td>144</td> <td>Claromentis Asset Records</td> <td>Project to record details of all asse...</td> <td>1</td> <td>ti</td> </tr> </tbody> </table>	id	name	description	status	lis	144	Claromentis Asset Records	Project to record details of all asse...	1	ti
id	name	description	status	lis							
144	Claromentis Asset Records	Project to record details of all asse...	1	ti							

This is the main InfoCapture project table contain information about project name, properties and other settings.

id= project ID
 name = project name

hd_issues

hd_issu	Search: id = 39945																
TABLES hd_issue hd_issue_draft hd_issue_file hd_issue_history hd_issue_note	<table border="1"> <thead> <tr> <th>id</th> <th>project_id</th> <th>form_data_id</th> <th>id_in_project</th> <th>reporter</th> <th>created</th> <th>last_modified</th> <th>status</th> </tr> </thead> <tbody> <tr> <td>39945</td> <td>144</td> <td>40936</td> <td>56</td> <td>1392</td> <td>20141205150553</td> <td>20141205150553</td> <td>1</td> </tr> </tbody> </table>	id	project_id	form_data_id	id_in_project	reporter	created	last_modified	status	39945	144	40936	56	1392	20141205150553	20141205150553	1
id	project_id	form_data_id	id_in_project	reporter	created	last_modified	status										
39945	144	40936	56	1392	20141205150553	20141205150553	1										

All tickets/issues are stored in this table

id= global unique id of each ticket
 project_id = id of the project

id_in_project =unique issue id within the project

form_data_id= reference to the form data

fb_field_data

form_data_id	field_sym_name	value	value_text	value_int
40936	access	05-12-14 to 05-12-15	05-12-14 to 05-12-15	NULL
40936	as_cost	147.00	NULL	NULL
40936	as_wend	0	NULL	NULL
40936	cost_is_es	NULL	NULL	0
40936	date	20141205	NULL	NULL
40936	department	0	NULL	NULL
40936	location	1	NULL	NULL
40936	mobile	NULL	NULL	0
40936	product_code	NULL	NULL	NULL
40936	serial	R180210	NULL	NULL
40936	title	JetBrains PhpStorm	NULL	NULL
40936	type	2	NULL	NULL
40936	used_by	NULL	NULL	1392

individual form data is stored in this table

fb_field_data has three columns

- value
- value_int
- value_text

Only one of them actually contains data, depending on the field type (which is known for each form, but also can be found in table **fb_field** by matching **fb_field.form_id** with **fb_form_data.form_id**

and **fb_field_data.field_sym_name** with **fb_field.sym_name**).

hd_issue and **fb_field_data** both have a column **form_data_id**, which is not visible in the frontend but identifies a group of fields in that issue (it's a reference to **fb_form_data**, but it's not relevant for the reporting).

Related Article

[Understanding InfoCapture Database Tables](#)

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Tags: [database](#), [infocapture](#), [sql](#), [bi](#)