



# 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

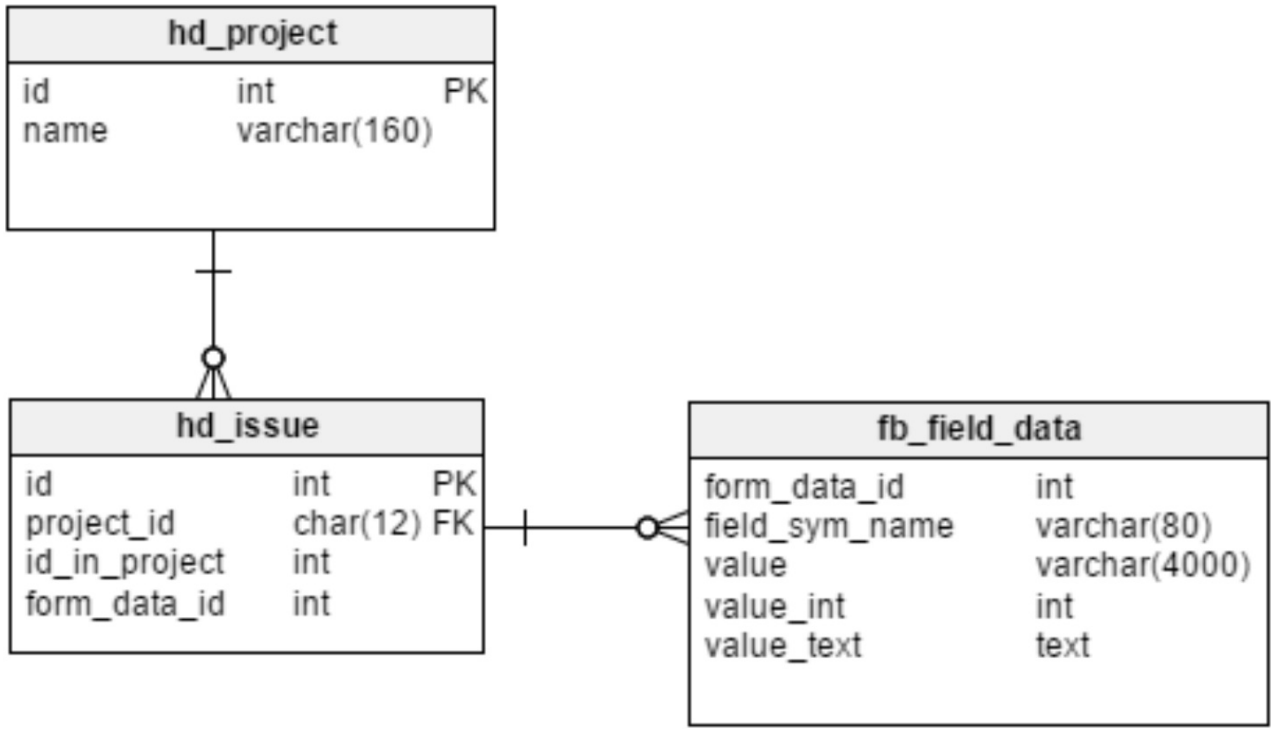
The screenshot shows the main interface of the "Claromentis Asset Records" project. At the top, the browser address bar shows "nentis.com/forms/ASSET". The navigation menu includes "HOME", "OFFICE INFO", "OUR COMPANY", "SALES", "SUPPORT", "PROFESSIONAL SERVICES", "CIIMS", "FORMS", "HR", and "COOL STUFF". The main heading is "Claromentis Asset Records". Below this, there is a search bar and a "Jump" button. A "List of issues" section contains a search input field and a "Search" button. To the right, there are "STATISTICS" (55 All, 19 Reported by me) and "OPTIONS" (Report issue, List of issues, Statistics). A table of issues is displayed below, with columns for ID, Product Make/Model, Asset Type, Department, Cost, Currently Used By, and Created. Two issues are visible: ID 039945 (JetBrains PhpStorm) and ID 037618 (Parallel Desktop 10). A yellow box highlights "ASSET = Project's Codename" in the top navigation and "InfoCapture Project Name" in the main heading area. Another yellow box highlights "InfoCapture Tickets" in the table's "Cost" column.

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		[not selected]	19-Oct-2014 20:00

### InfoCapture Project users view

The screenshot shows the "InfoCapture Project users view" configuration page. The browser address bar shows "nentis.com/intranet/panels/helpdesk\_edit\_project.php?id=144#\_project\_tab". The navigation menu includes "HOME", "OFFICE INFO", "OUR COMPANY", "MARKETING", "PROJECTS", "SALES", "SUPPORT", "PROFESSIONAL SERVICES", and "CIIMS". The page title is "Admin » Infocapture panel » Project properties". The "Project properties" section includes fields for "Name" (Claromentis Asset Records), "Project status" (Active), "Use mail fetching" (Configure), "STATUS field appears" (Manage statuses), "ASSIGNED field appears" (Configure), "Issues ID prefix" (Reset counter), "Codename" (ASSET), and "Plugin class name" (ICPluginLegacy). A yellow box highlights "144 = Projects ID" in the top navigation and "Project Name" in the "Name" field. A "Save" button is located at the bottom of the form.

### InfoCapture Database Tables



Data relational diagram between InfoCapture Project (**hd\_project**) InfoCapture Tickets (**hd\_issue**) and InfoCapture Field Data (**fb\_field\_data**)

**hd\_project**

Search: id = 144

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**

Search: id = 39945

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

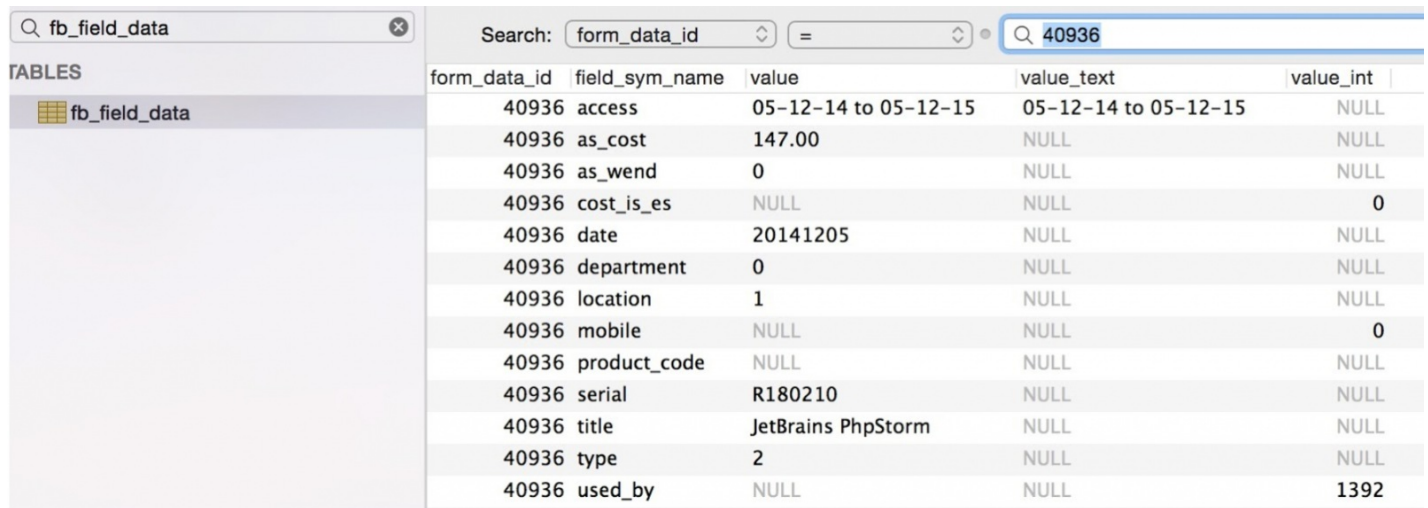
**id=** global unique id of each ticket

**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).

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Related Article

[Understanding InfoCapture Database Tables](#)

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