



# 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

http://nentis.com/forms/ASSET

ASSET = Project's Codename

Intranet Search 11:06

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## Claromentis Asset Records

InfoCapture Project Name

Jump Claromentis Asset Records

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

### InfoCapture Project users view

http://nentis.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

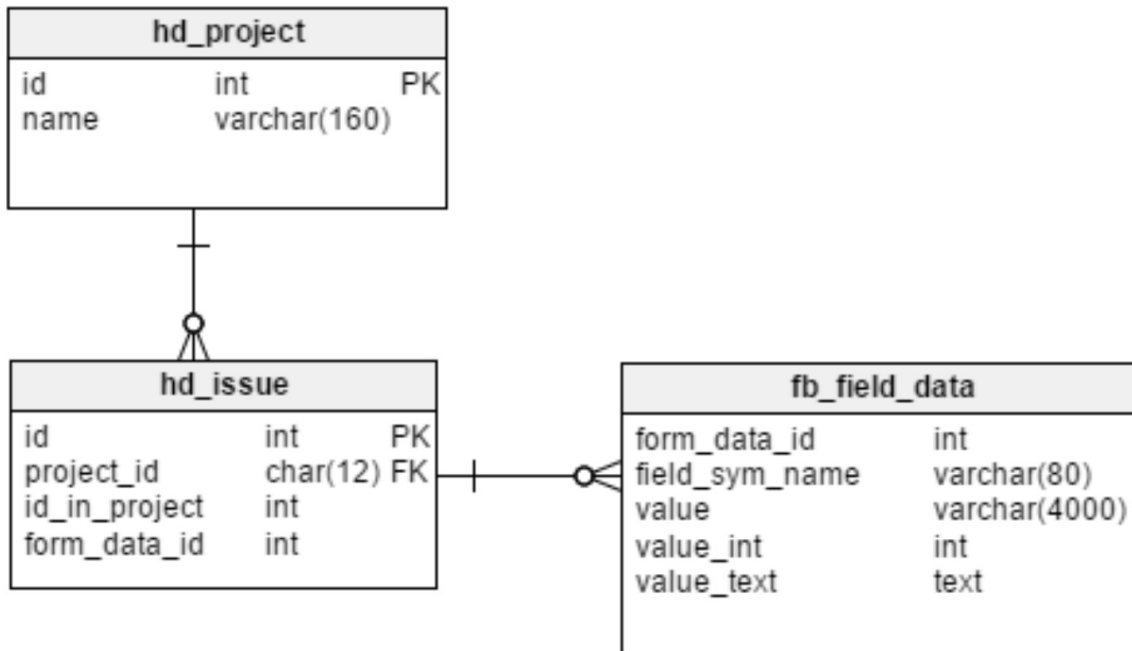
Codename: ☒ ASSET

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

Plugin class name: ICPluginLegacy

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**

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**

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

fb\_field\_data

TABLES

fb\_field\_data

Search: form\_data\_id = 40936

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\_form\_data** 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](#)