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

ASSET = Project's Codename

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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 Selec...		Edd Trent	05-Dec-2014 15:05	✏️
037618	1		Parallel Desktop 10	Software	IA	29	[not selected]	19-Oct-2014 20:00	✏️

InfoCapture **Tickets**

InfoCapture Project users view

144 = Projects ID Search

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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
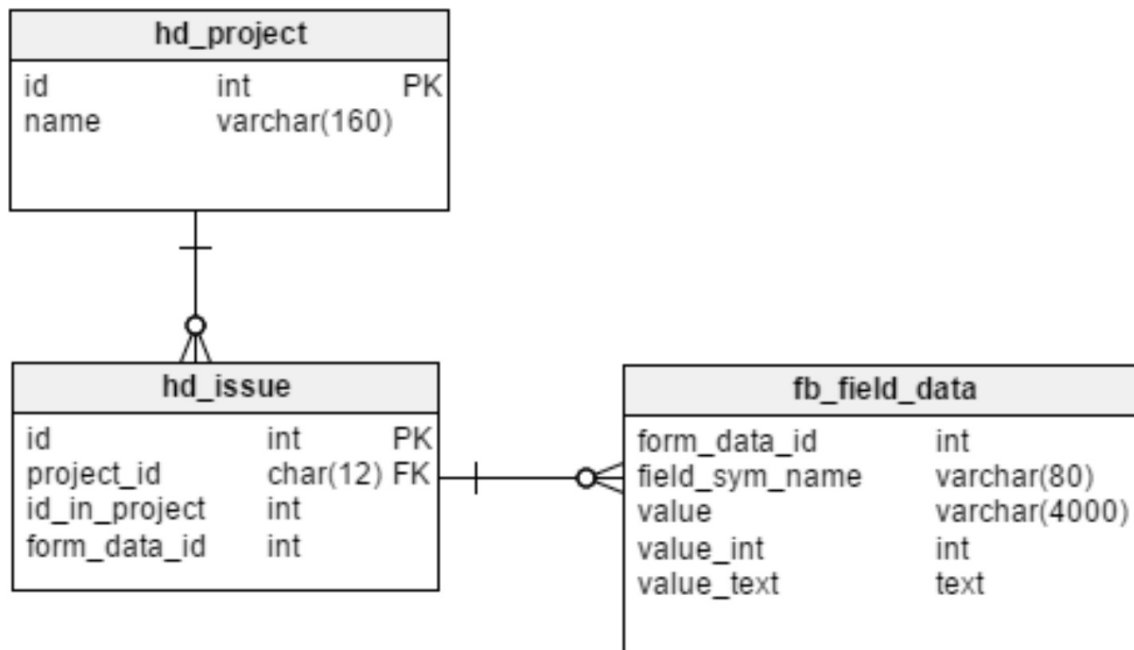Project issues have its own numeration if prefix is set

Codename   ☑ ASSET
If specified, the project will have its own URL /forms/{codename}/

Plugin class name   ICPluginLegacy

Change Icon

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

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

id= project ID
name = project name

hd_issues

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

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

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