BI & Reporting: fast connect iDempiere to Metabase

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devCoffee
SISTEMAS DE GESTÃO EMPRESARIAL

About Me

Murilo Habermann Torquato

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- co-founder devCoffee

- ***piere world since 2008

- BrERP

Some numbers…

>4,5k
active Users

>90
clients

>290k
business partners

>1,5m
sales invoices
last year

>1m
products

Agenda

1. Quick Metabase overview

2. iDempiere database connection

3. Demo panel using Garden World client data

4. Embedding Metabase inside iDempiere
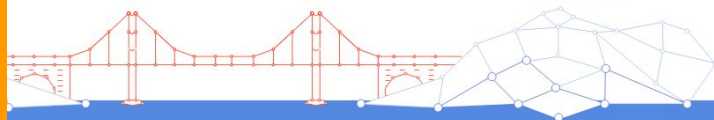
5. Core changes for better embedding (patch proposal)

1

Quick Metabase Overview

Let's start with the basics

From https://www.metabase.com/

Metabase is the **easy, open source** way for **everyone in your company** to **ask questions** and **learn from data.**

Get started

Ask your own questions

Explore on your own

Easily filter and group your data to find just what you're looking for, all without ever writing a line of sql or having to wait on a co-worker.

See connections

It just takes a click to see individual records and explore connections between your data, so you can move from who, to what effortlessly.

Visualize results

Move from your data to beautiful graphs and charts with just a few clicks.

5

Explore your own

See Connections

Visualize Results

Choose a visualization

Line	Bar	Combo
Area	Row	
Scatter	Pie	Funnel
Trend	Progress	Gauge
Number	Table	Map

SQL when you need it

And...

Dashboards

Let everyone on your team create, organize and share collections of data.

Open Source

Metabase is built and maintained by a dedicated team, and is open source.

Simple to Set Up

Start out simple and run Metabase on your own laptop, or set it up for your entire company on your own servers (java -jar or docker images)

2

iDempiere database connection

simple step...
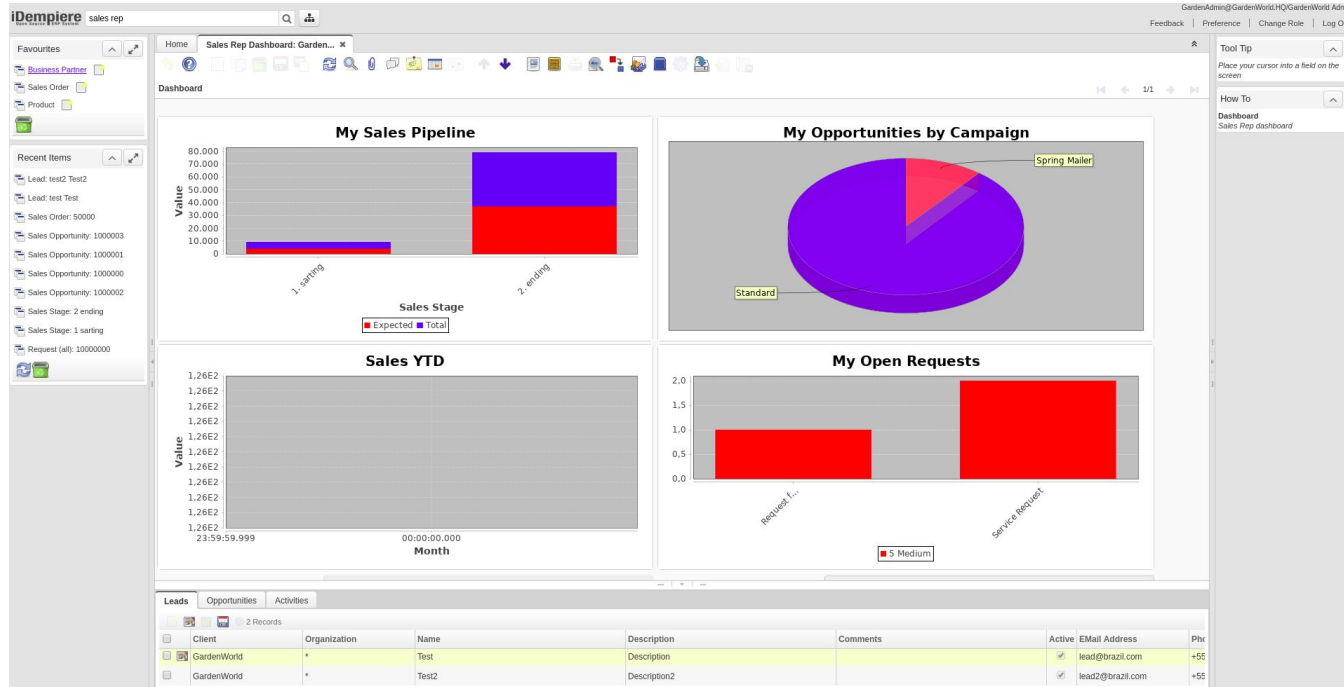
Connect to your database

Connect to your database

- Check to manually scan large production databases
- Some instances may need "sslmode=disable" for JDBC
- Explore admin general settings
  - Disable Friendly Table and Field Names
- Use a DB Replica!

Explore **this** data

3

Demo panel using Garden World client data

simple step...

Sales Rep Dashboard Window

Sales Rep Dashboard (metabase)
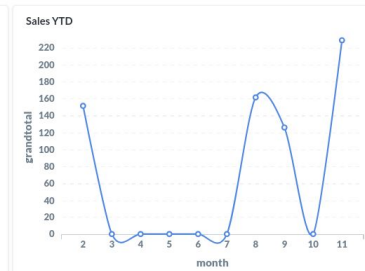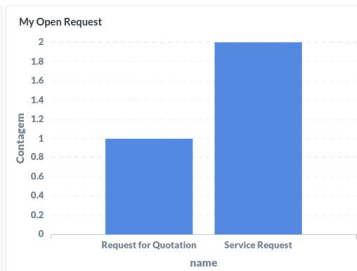
4

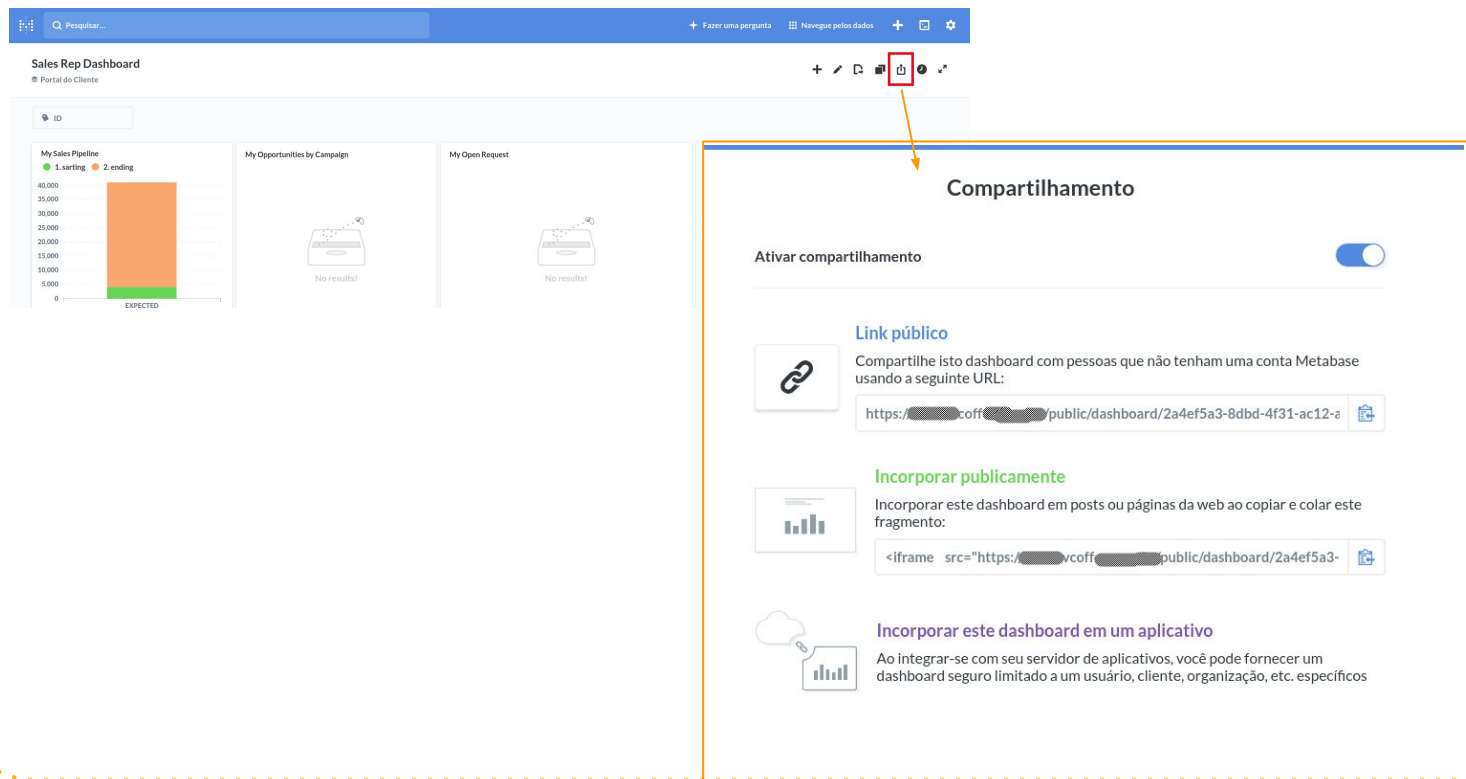# Embedding Metabase inside iDempiere

simple step...

Share metabase dashboard with others

Embbed as Dashboard Content

Embbed as Dashboard Content

Embbed as Context Help
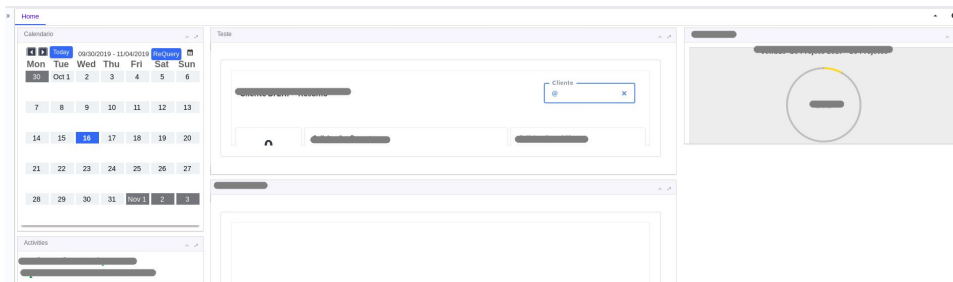

** also possible as UI Virtual Column (HTML), QuickInfo...

5

Core changes for better embedding

simple step...

Small core modifications...

- IDEMPIERE-4057
  - Branch default-IDEMPIERE-4057 at https://bitbucket.org/devcoffee/idempiere
  - Dashboard panel configures column width as proportional by comma separator (logilite)
    - By default all panel columns are equal

  - Dashboard Content enhancement to parse context variables on HTML field content
    - Allows injection of UUID or other information for filtering users data from context (maybe it's helpfull a login validator for some cases)

Any Questions?

Thank you!

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