

# CBRA: Cardiac Biomarkers Release Analyzer for Applications in Research and Clinical Environment

Installation Guide

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## 1 Introduction

This document describes how to install and configures CBRA application. It includes the following section:

- Setting the environment for CBRA;
- Run CBRA.

All the installation files, and the database associated to CBRA are available in GitHub page of the application.

## 2 Setting the environment for CBRA

To associate the database to CBRA, it is necessary to download and install MAMP, a local server environment that can easily work under macOS and Windows. MAMP provides all the tools needed, such as a web server, Apache, and a database server, MySQL. To use MAMP, your system must meet the following requirements:

- Operating system: Apple OS X 10.10.5 or later, or Windows 10.0 or later;
- Mac/PC with 64-Bit CPU from Intel (x84);

For a new installation:

- Download MAMP PRO from MAMP web site.
- Double click on the file `MAMP_MAMP_PRO_5.0.pkg`, for macOS, or double click on `setup.MAMP_MAMP_PRO_4.x.exe`, for Windows, in your Downloads folder.
- The System/Windows Installer will guide you through the installation process.

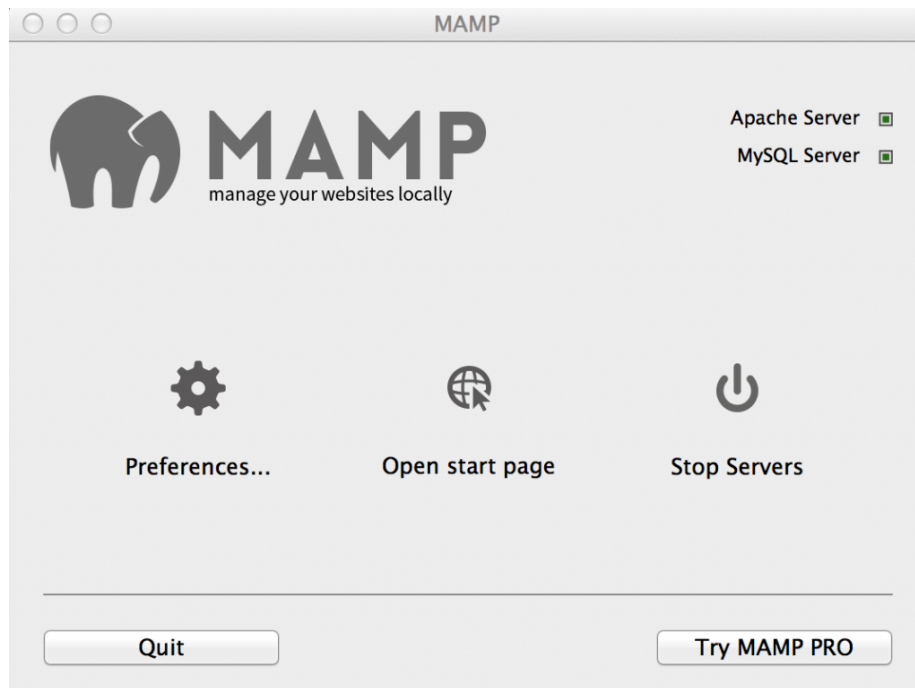


Figure 1: MAMP window



Figure 2: Mamp start page

After installation, clicking on *Start Servers* of Fig. 1, you can activate Apache and MySQL servers. After activating the servers, whose boxes will appear green, through *Open start page*, it will be possible to access to phpMyAdmin, by selecting *phpMyAdmin* from *Tools* on the top of the page, Fig. 2.

At this point it will be possible to add the CBRA database, clicking on *Import* first, and then, selecting the database file, *Biomarcatore.sql*, Fig. 3.

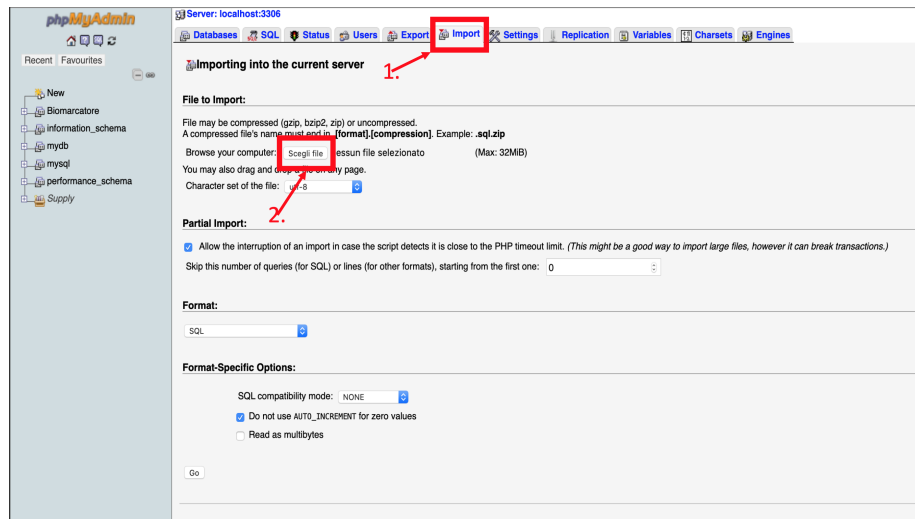


Figure 3: phpMyAdmin page

### 3 Installation of CBRA

You can download the CBRA version suitable for your operating system from GitHub pages and the associated repository. Running the CBRA application is really easy: just activate the servers from Mamp, and, then, click on CBRA.