



kernel

Installation
Manual

Gonzaga | Inomata | Isidoro | Socco

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1.0 System Description

Kernel is a web-based project management system especially made for Taters Enterprises, Inc. (TEI) whose main objective is to serve as a main tool for monitoring and updating projects in the project management process of the company. It will be accessible by all seven (7) of TEI's departments, Human Resource, Facilities and Administration, Finance, Management Information Systems, Procurement, Marketing, and Store Operations, as well as the company's Executives. The system has four (4) modules namely, Project Initiation and Planning, Project Monitoring, Project Control, and Project Closing. The structure and formation of the modules are modeled to reflect the project management life cycle. The functions for each module are segregated as follows:

Project Initiation and Planning	Project Monitoring	Project Control	Project Closing
<ul style="list-style-type: none"> • Project Profile • Project Templates • Scheduling • RACI Chart • Gantt Chart • Workload Assessment 	<ul style="list-style-type: none"> • Task Prioritization • Project Progress • Document Tracking • Team Gantt Chart 	<ul style="list-style-type: none"> • Request for Change • Performance Assessment 	<ul style="list-style-type: none"> • Report Generation • Project Archives

2.0 Hardware and Software Requirements

This section provides information regarding the system pre-requisites in terms of hardware and software that is needed in a user's machine.

2.1. Hardware Specifications

The minimum requirements in order for the system to run smoothly are as follows:

User

- Desktop Computer with Keyboard and Mouse / Laptop
- Processor: Dual Core 1 Ghz
- RAM: 1GB
- Disk Space: 1 GB

Server

- Processor: Quad core 2 Gz
- RAM: 5 GB
- Storage: 10GB

2.2. Software Specifications

The system can be accessed through the Internet ensuring that the device accessing it from has the following minimum requirements in order for the system to run smoothly.

- Operating System
 - Windows 7 and above
 - MacOS El Capitan and above
 - Ubuntu 14.04 and above
- ISP Web Browser
 - Internet Explorer 8+
 - Safari 9+
 - Firefox 38+
 - Chrome 45+
 - Opera 30+
- MySQL Community Server (8.0.13)
 - <https://dev.mysql.com/downloads/mysql/>
- MySQL Workbench (8.0.13)
 - <https://dev.mysql.com/downloads/workbench/>
- XAMPP (5.6.38)
 - <https://www.apachefriends.org/download.html>

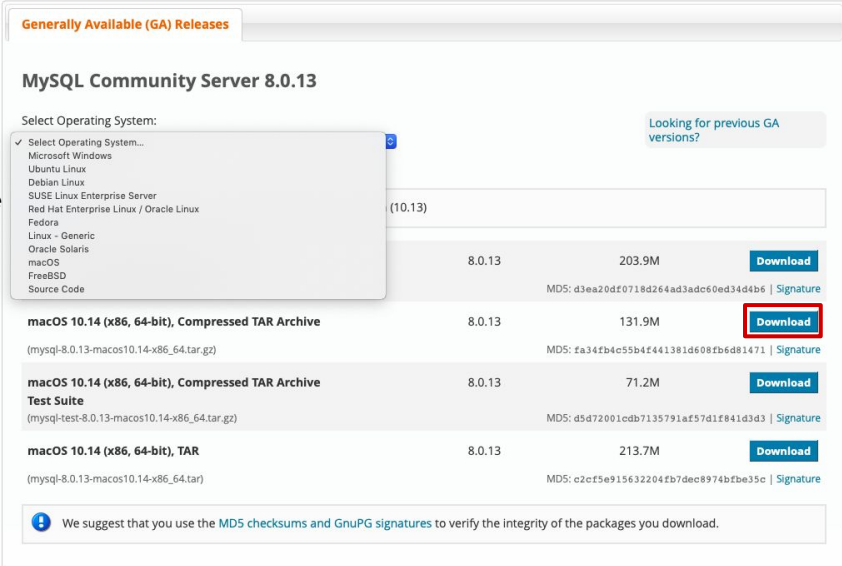
3.0. Installation Instruction

This section enumerates the step-by-step procedure to enable the system to start running on a new machine.

3.1. Database

1. Download the recommended version for MySQL Community Server (8.0.13) depending on the machine's operating system.

Choose the operating system of the machine



Generally Available (GA) Releases

MySQL Community Server 8.0.13

Select Operating System: Looking for previous GA versions?

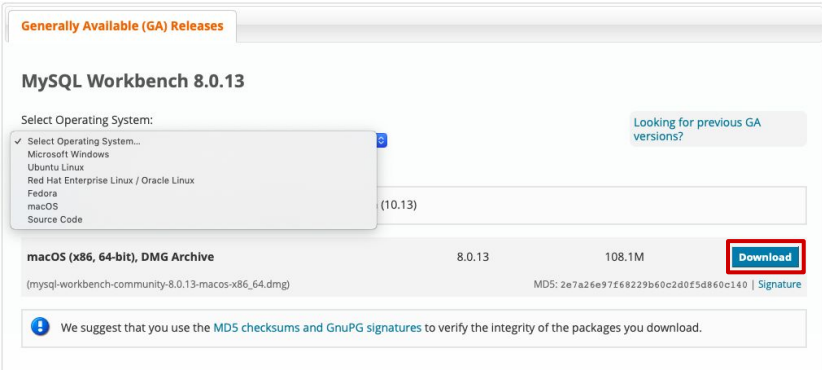
- Select Operating System...
- Microsoft Windows
- Ubuntu Linux
- Debian Linux
- SUSE Linux Enterprise Server
- Red Hat Enterprise Linux / Oracle Linux
- Fedora
- Linux - Generic
- Oracle Solaris
- macOS
- FreeBSD
- Source Code

Operating System	Version	Size	Download
MySQL Community Server (10.13)	8.0.13	203.9M	Download
macOS 10.14 (x86, 64-bit), Compressed TAR Archive	8.0.13	131.9M	Download
macOS 10.14 (x86, 64-bit), Compressed TAR Archive Test Suite	8.0.13	71.2M	Download
macOS 10.14 (x86, 64-bit), TAR	8.0.13	213.7M	Download

We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

2. Run the downloaded installer and follow the on-screen steps provided.
3. Download the recommended version for MySQL Workbench depending on the machine's operating system.

Choose the operating system of the machine



Generally Available (GA) Releases

MySQL Workbench 8.0.13

Select Operating System: Looking for previous GA versions?


- Select Operating System...
- Microsoft Windows
- Ubuntu Linux
- Red Hat Enterprise Linux / Oracle Linux
- Fedora
- macOS
- Source Code

Operating System	Version	Size	Download
MySQL Workbench (10.13)	8.0.13	108.1M	Download
macOS (x86, 64-bit), DMG Archive	8.0.13	108.1M	Download

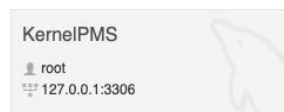
We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

4. Run the .dmg file and drag it to the applications folder (OS X method) or run the .exe file and follow the on-screen instructions (Windows method).

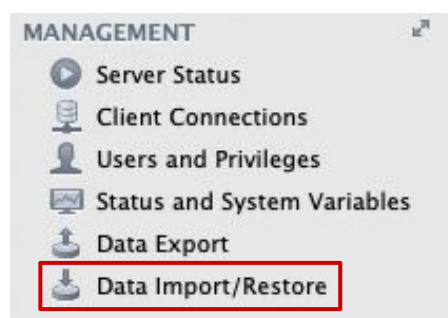
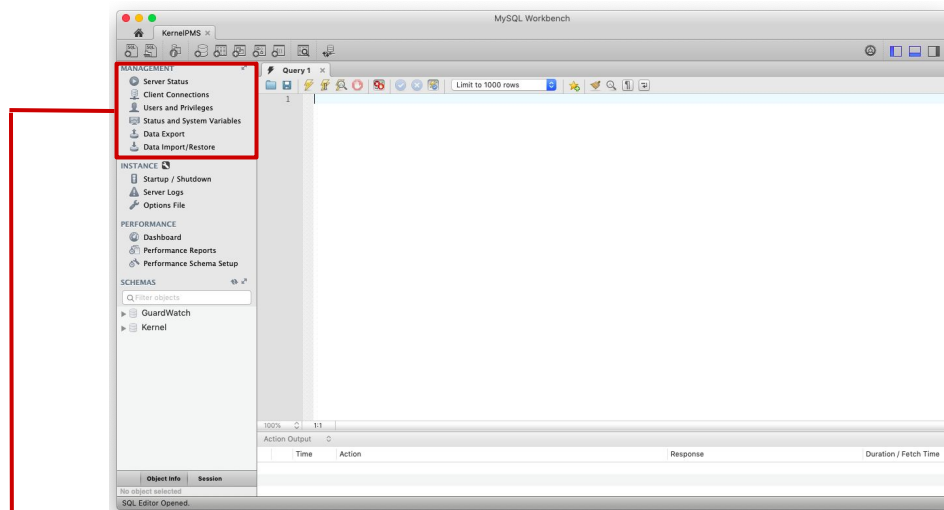
5. Open **MySQL Workbench**. 

6. Create a new connection by clicking the  button. Enter the necessary information (*Connection Name: KernelPMS*) and click **OK**.

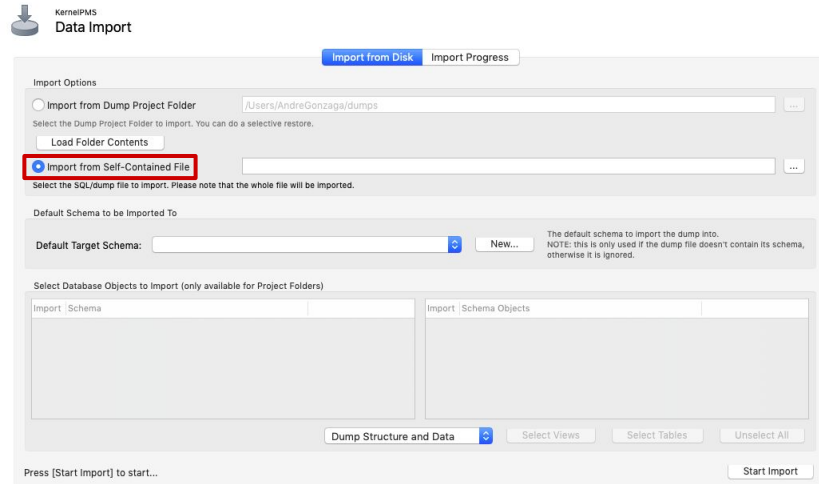
7. The new connection will appear in the homepage. Click it to proceed to the next step.



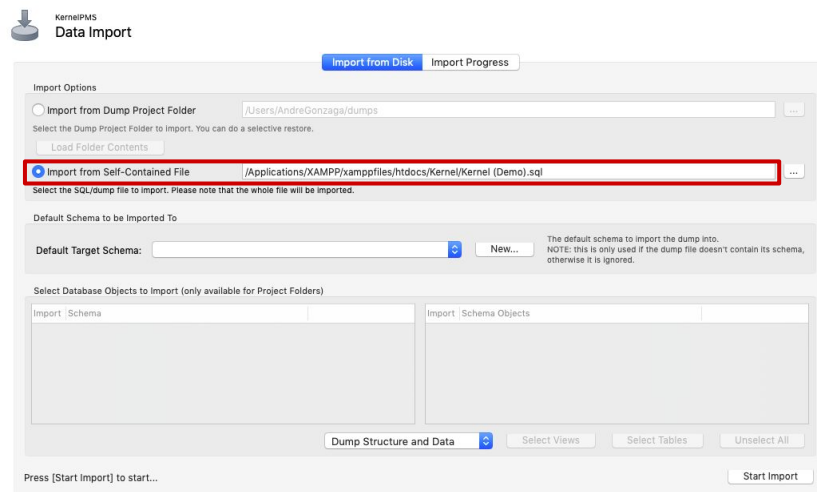
8. On the left pane, under *Management*, click on **Data Import/Restore**.




9. Choose **Import from Self-Contained File** and click the  to choose a file.

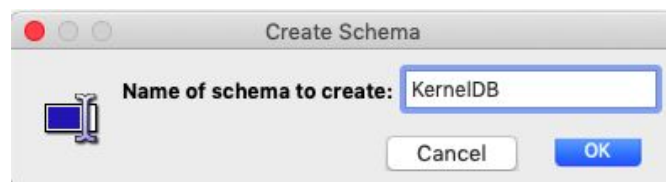


10. From the Kernel System folder, choose the **Kernel (Demo).sql** file.

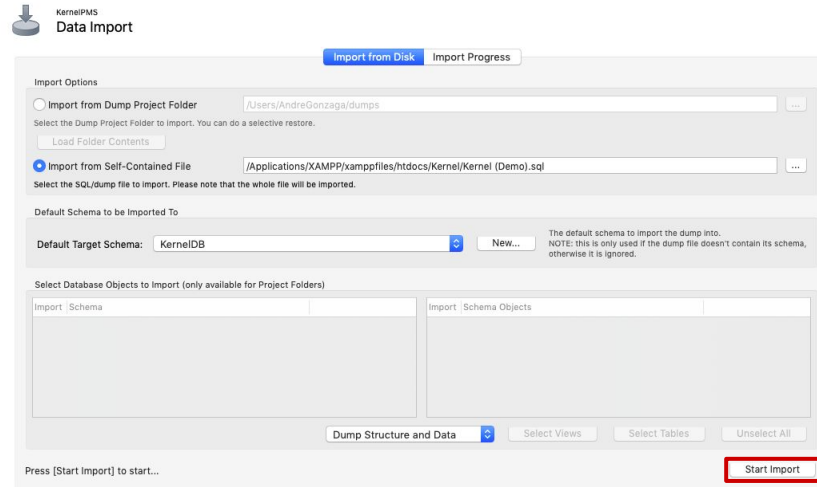


11. Create a new schema by clicking 

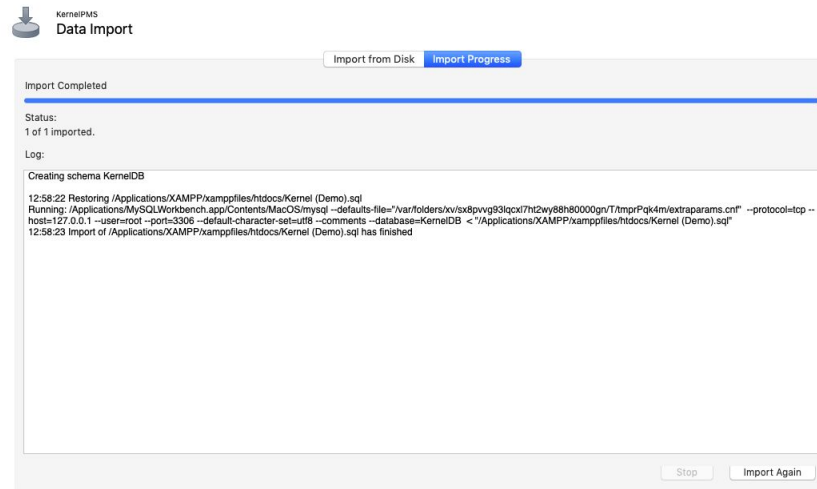
12. A pop-up will appear prompting the user to enter a schema name. (*Schema Name: KernelDB*).




13. Click **Start Import**.

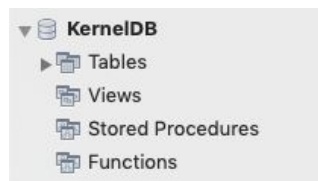


14. Import logs should appear with no errors, to consider it as successful.




15. On the lower left pane, under schema, click  to add KernelDB to the schema list.

16. Double click on **KernelDB** to select it as the working schema.



3.1. XAMPP


1. Download the recommended version for XAMPP depending on the machine's operating system.

 XAMPP for **Windows** 5.6.38, 7.0.32, 7.1.23 & 7.2.11

Version	Checksum	Size
5.6.38 / PHP 5.6.38 What's Included?	md5 sha1 Download (32 bit)	110 Mb
7.0.32 / PHP 7.0.32 What's Included?	md5 sha1 Download (32 bit)	121 Mb
7.1.23 / PHP 7.1.23 What's Included?	md5 sha1 Download (32 bit)	121 Mb
7.2.11 / PHP 7.2.11 What's Included?	md5 sha1 Download (32 bit)	123 Mb


[Requirements](#) [Add-ons](#) [More Downloads »](#)

Windows XP or 2003 are not supported. You can download a compatible version of XAMPP for these platforms [here](#).

 XAMPP for **OS X** 5.6.38, 7.0.32, 7.1.23, 7.2.11, XAMPP-VM & XAMPP-VM

Version	Checksum	Size
5.6.38 / PHP 5.6.38 What's Included?	md5 sha1 Download (64 bit)	144 Mb
7.0.32 / PHP 7.0.32 What's Included?	md5 sha1 Download (64 bit)	145 Mb
7.1.23 / PHP 7.1.23 What's Included?	md5 sha1 Download (64 bit)	146 Mb
7.2.11 / PHP 7.2.11 What's Included?	md5 sha1 Download (64 bit)	146 Mb
XAMPP-VM / PHP 7.1.23 More Info about XAMPP-VM	md5 sha1 Download (64 bit)	325 Mb
XAMPP-VM / PHP 7.2.11 More Info about XAMPP-VM	md5 sha1 Download (64 bit)	326 Mb

[Requirements](#) [Add-ons](#) [More Downloads »](#)

 XAMPP for **Linux** 5.6.38, 7.0.32, 7.1.23 & 7.2.11

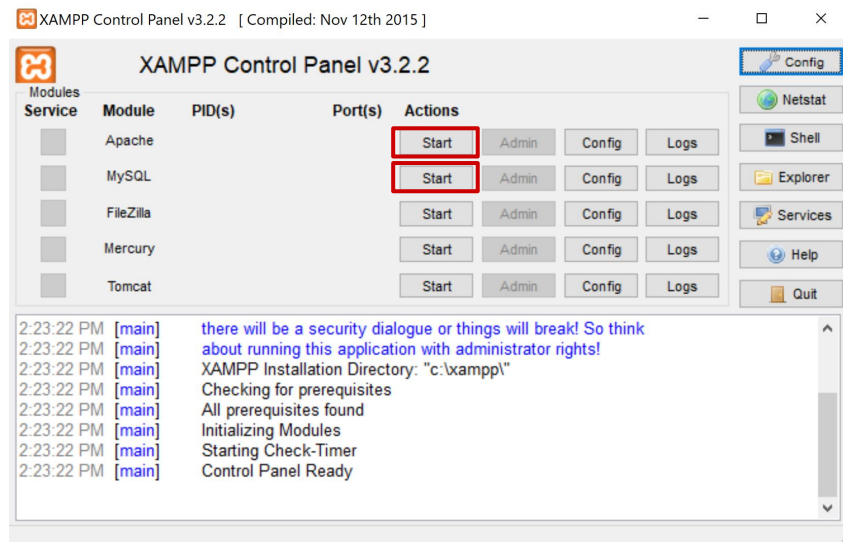
Version	Checksum	Size
5.6.38 / PHP 5.6.38 What's Included?	md5 sha1 Download (64 bit)	135 Mb
7.0.32 / PHP 7.0.32 What's Included?	md5 sha1 Download (64 bit)	134 Mb
7.1.23 / PHP 7.1.23 What's Included?	md5 sha1 Download (64 bit)	133 Mb
7.2.11 / PHP 7.2.11 What's Included?	md5 sha1 Download (64 bit)	134 Mb

[Requirements](#) [Add-ons](#) [More Downloads »](#)

2. Run the downloaded installer and follow the on-screen instructions.
3. Place the Kernel folder in the htdocs folder. You can find htdocs within the XAMPP folder in the location you initially set during installation.



4. Open the XAMPP Control Panel (manager-osx for Max OS X) and run MySQL and Apache.



5. Open the ISP Web browser of choice and enter this url:

<http://localhost/Kernel/index.php/controller/login>

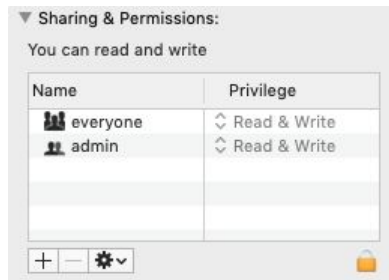
3.3. Sharing and Permissions

1. Go to the Kernel folder inside the htdocs folder and right click on the **assets** folder.



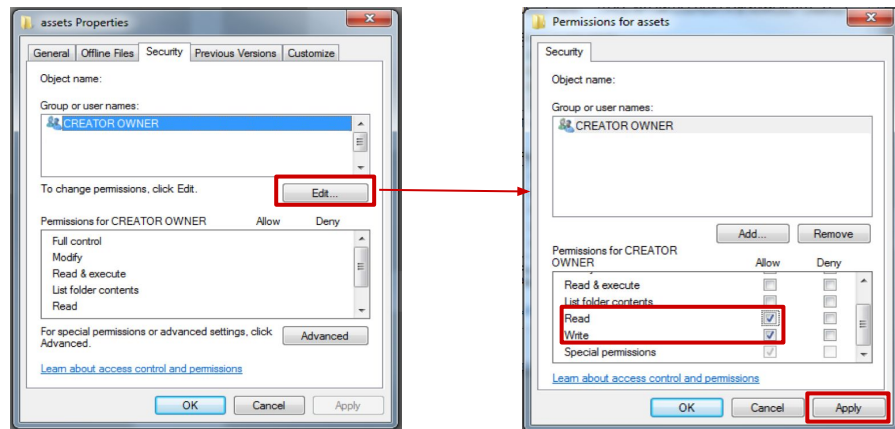
For Mac OS X:

Choose **Get Info**. Under the Sharing & Permissions section, click the privilege cell and choose Read & Write.

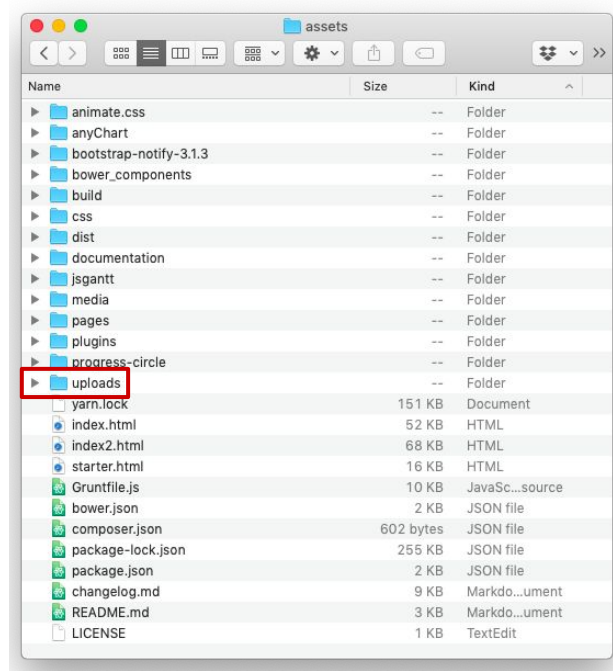


For Windows:

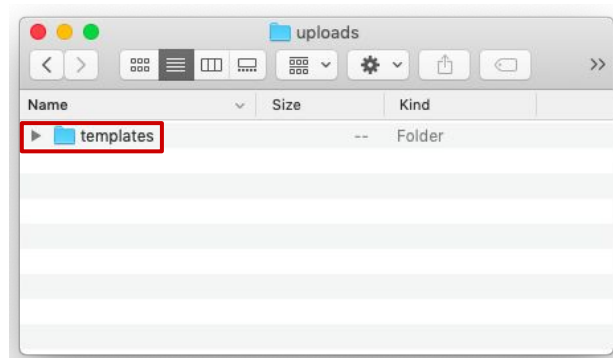
Choose **Properties**. Go to the Security tab and click **Edit**. Check "Read" and "Write" checkbox under the Allow column and apply changes.



2. Repeat step 1 for the **uploads** folder within the assets folder.



3. Repeat step 1 for the **templates** folder within the uploads folder.





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