How to config remote xdebug on docker box

This article will help you to understand how the remote xdebug work and how to config it on docker environment to debug using PHPSTORM

Enable xdebug php extension for docker box

enable xdebug

```
bin/xdebug enable
Stopping docker-magento_app_1           ... done
Stopping docker-magento_phpfpm_1        ... done
Stopping docker-magento_rabbitmq_1      ... done
Stopping docker-magento_db_1            ... done
Stopping docker-magento_elasticsearch_1 ... done
Stopping docker-magento_redis_1         ... done
Stopping docker-magento_mailhog_1       ... done
Starting docker-magento_redis_1         ... done
Starting docker-magento_rabbitmq_1      ... done
Starting docker-magento_db_1            ... done
Starting docker-magento_elasticsearch_1 ... done
Starting docker-magento_mailhog_1       ... done
Starting docker-magento_phpfpm_1        ... done
Starting docker-magento_app_1           ... done
Xdebug has been enabled.
```

Install & config xdebug-helper extension for chrome (firefox)

- This step is quite straight-forward. Go to this link and simply click add button: https://chrome.google.com/webstore/detail/xdebug-helper/eadndfjplgieldjbigjakmdgkmoaaaoc?hl=en.

  You can also find the same plugin for firefox.
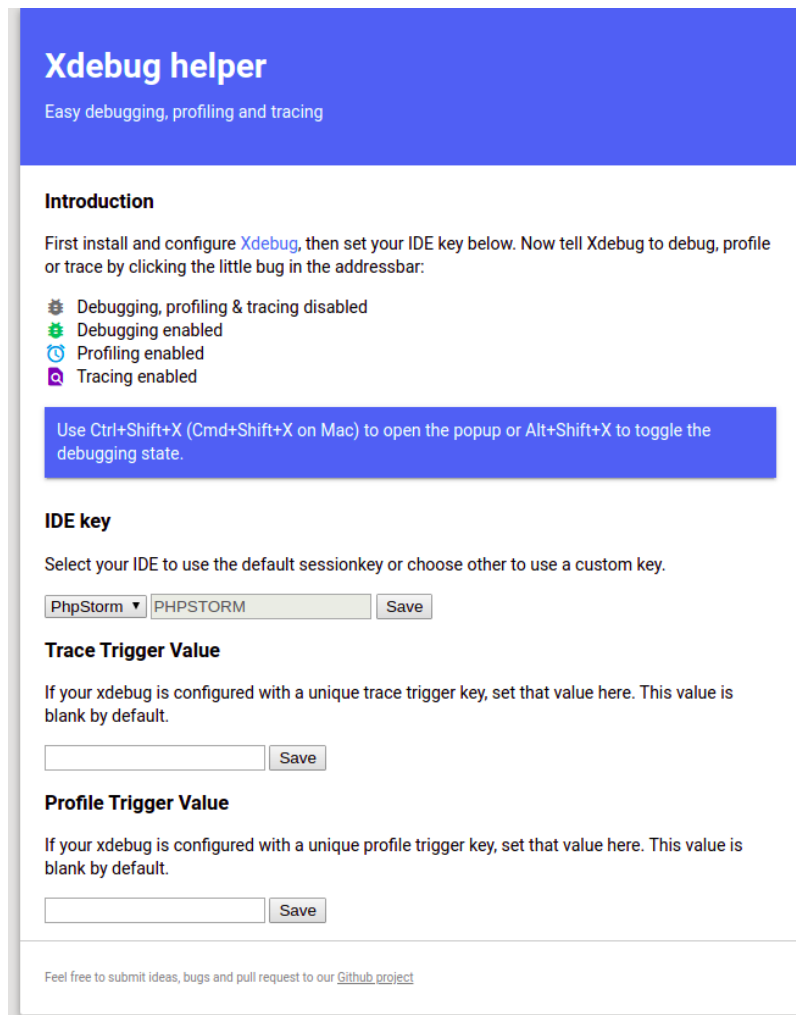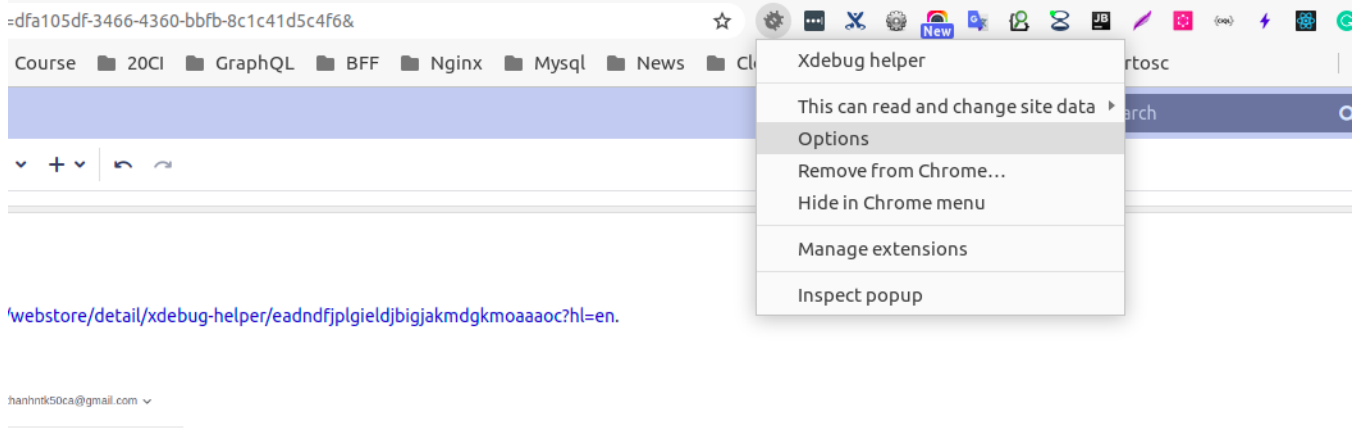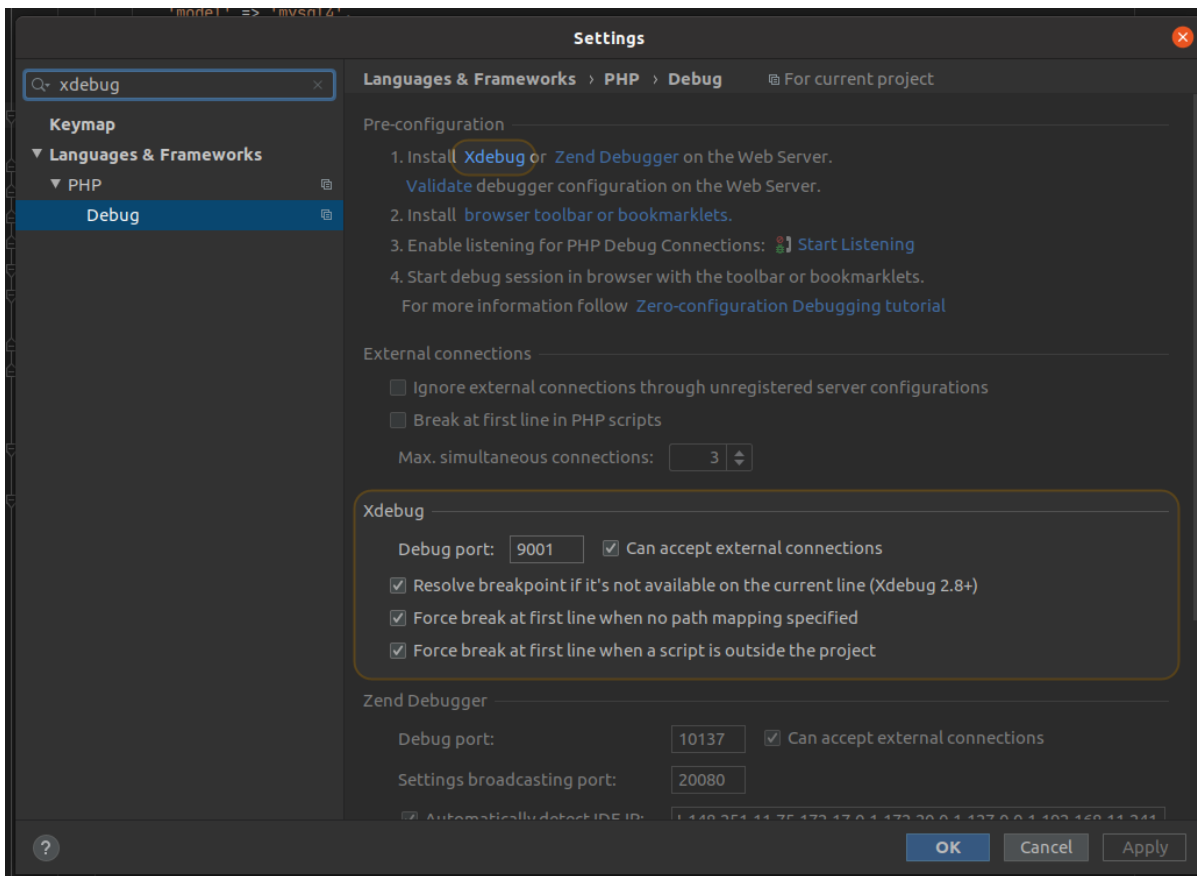
- Next config the IDE key value for the extension by right click on debug icon options and change the value to "PHPSTORM"

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Xdebug helper

This can read and change site data ▶

Options

Remove from Chrome...

Hide in Chrome menu

Manage extensions

Inspect popup

/webstore/detail/xdebug-helper/eadndfjplgieldjbigjakmdgkmoaaaoc?hl=en.

hanhntk50ca@gmail.com ⌄

Xdebug helper

Easy debugging, profiling and tracing

Introduction

First install and configure Xdebug, then set your IDE key below. Now tell Xdebug to debug, profile or trace by clicking the little bug in the addressbar:

- Debugging, profiling & tracing disabled
- Debugging enabled
- Profiling enabled
- Tracing enabled

Use Ctrl+Shift+X (Cmd+Shift+X on Mac) to open the popup or Alt+Shift+X to toggle the debugging state.

IDE key

Select your IDE to use the default sessionkey or choose other to use a custom key.

PhpStorm ▾   PHPSTORM   Save

Trace Trigger Value

If your xdebug is configured with a unique trace trigger key, set that value here. This value is blank by default.

Save

Profile Trigger Value

If your xdebug is configured with a unique profile trigger key, set that value here. This value is blank by default.

Save

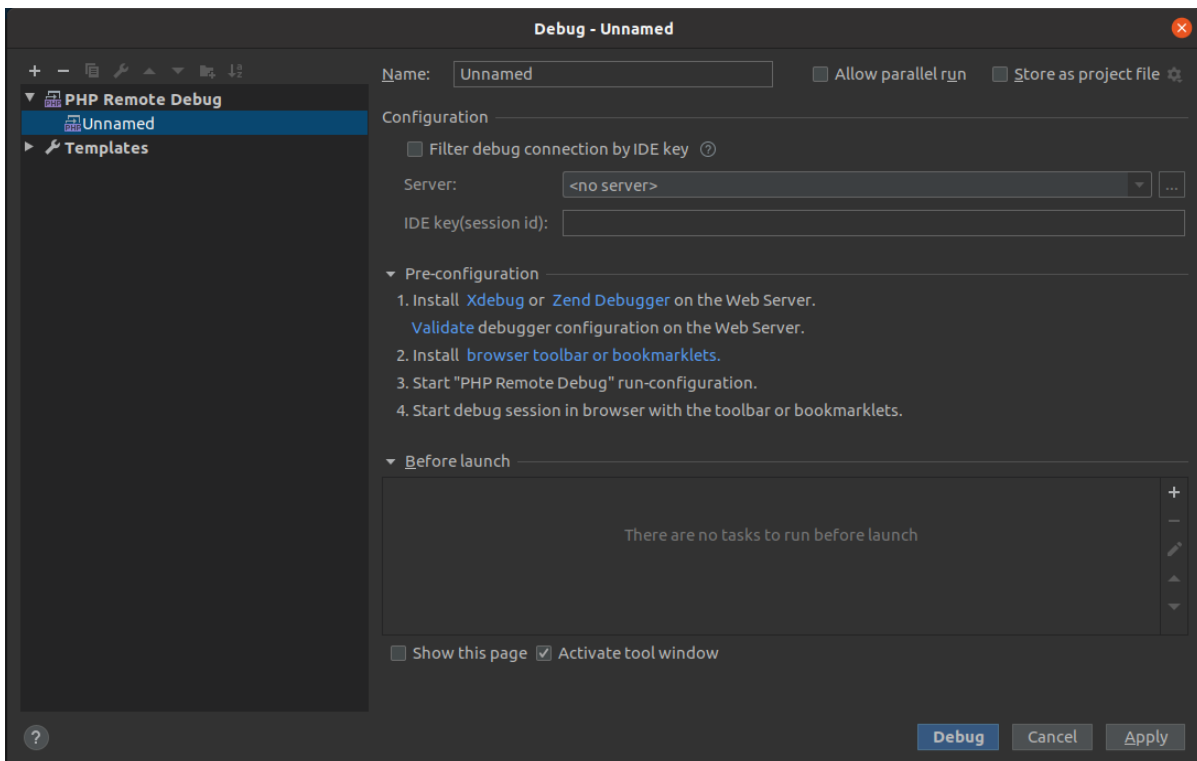Feel free to submit ideas, bugs and pull request to our Github project
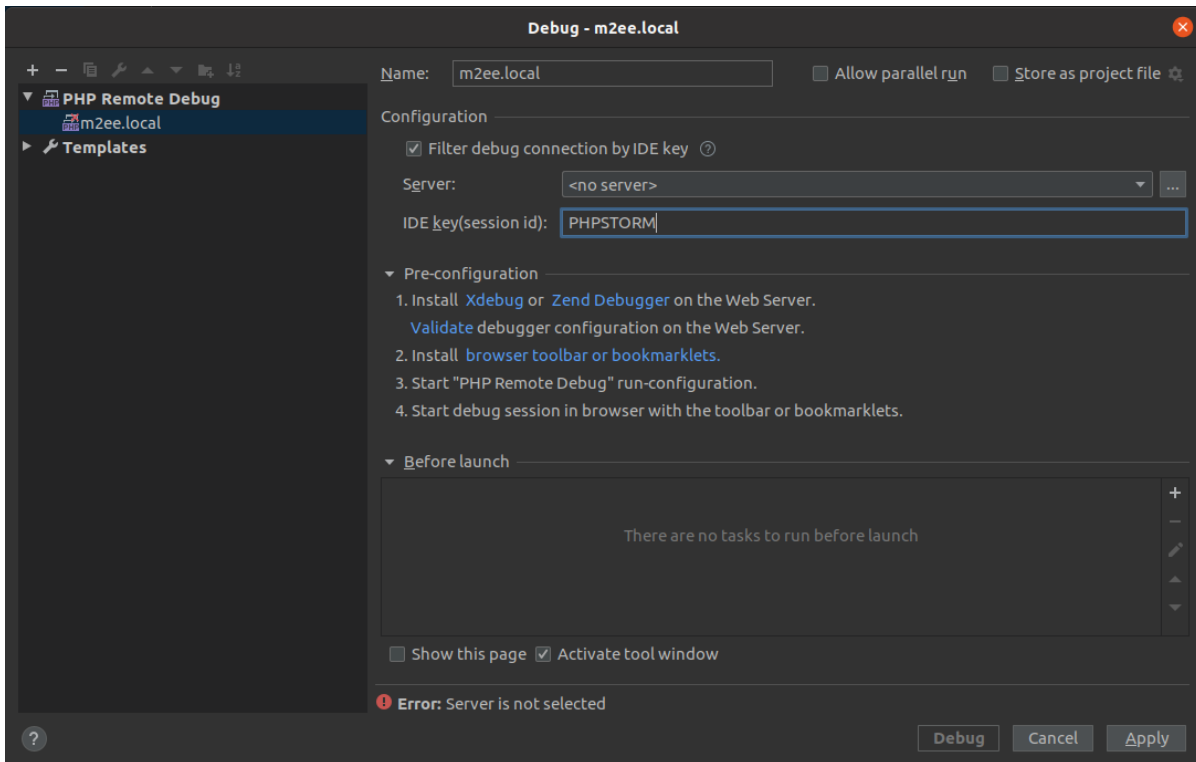
Config xdebug on PHPSTORM

- Change the debug port from 9000 to 9001. File Settings search for xdebug and update the port as image below.
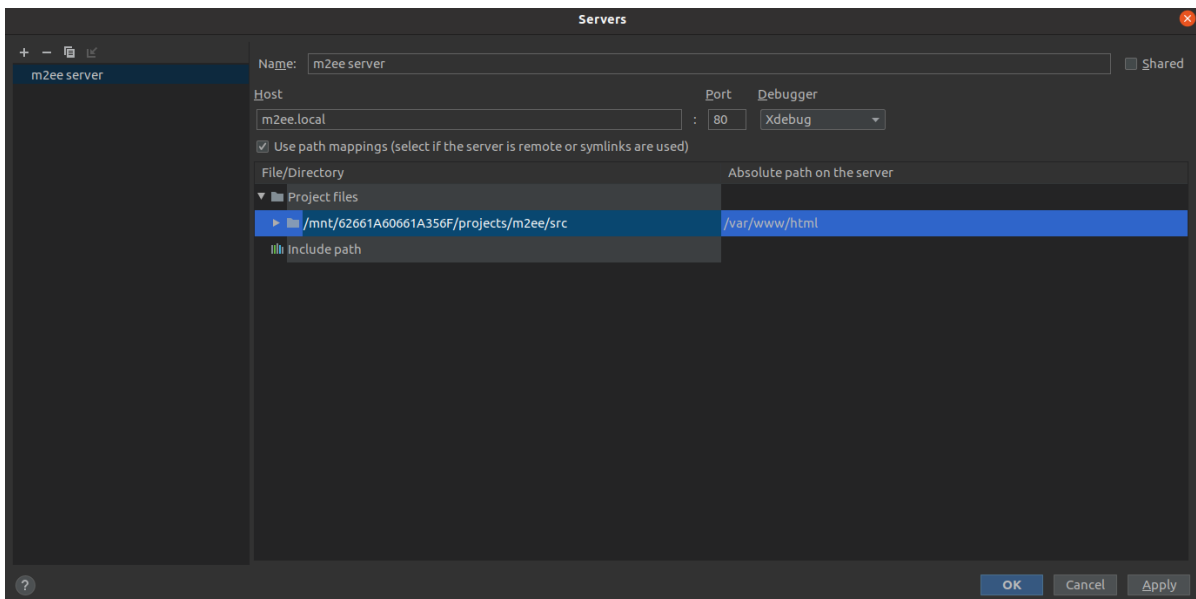
- Create a remote xdebug configuration. RunDebug PHP Remote Debug

- Name it as what you want. Tick on the "Filter debug connection by IDE key" checkbox and fill the IDE key with "PHPSTORM" value
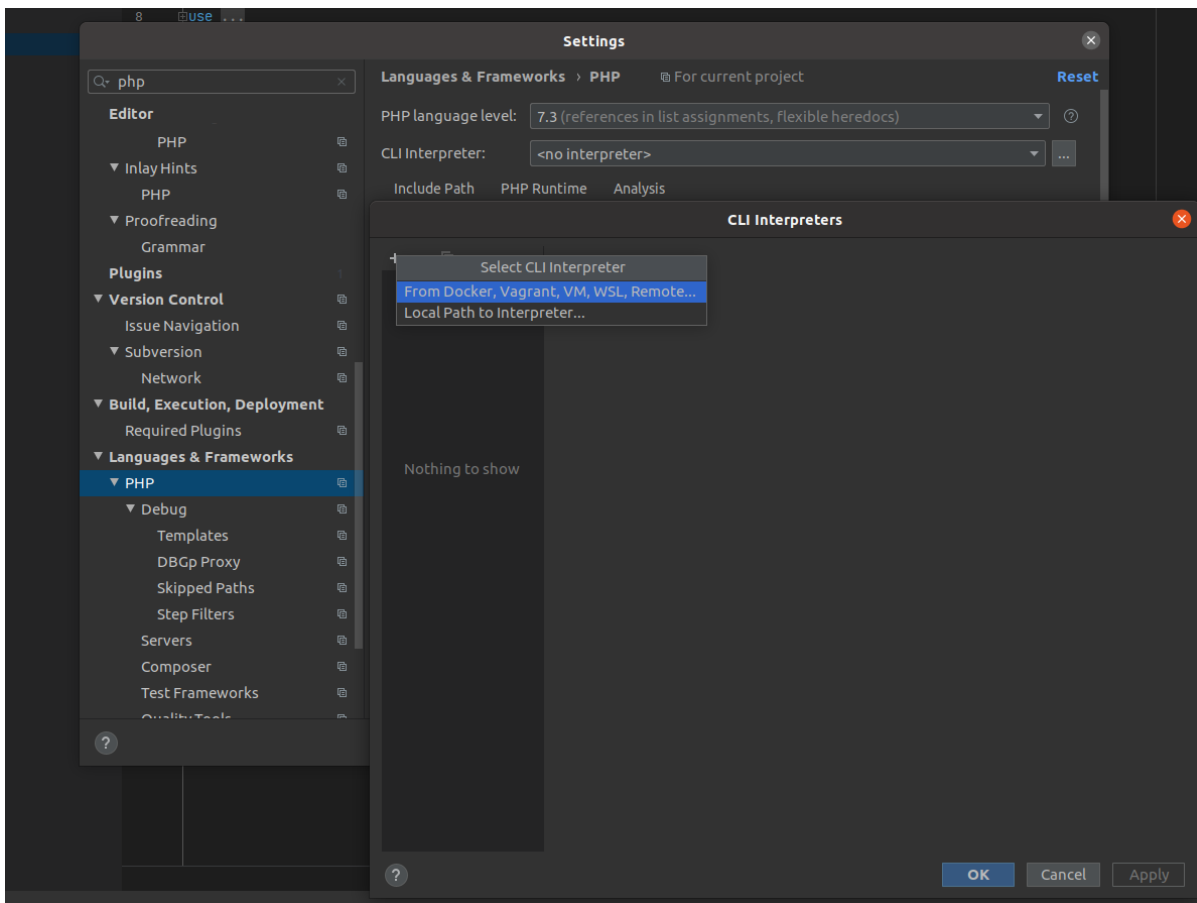
- Next we need to configure the remove server by clicking on ... button on the "Server" line. It will open a popup, click on the plus button to add a new server. You can put the whatever name you like but remember to put the domain of the site on the "Host" input and config the mapping folder as image below. The first column is the path in your machine and the second column is the path in your fpm container (In our case it always is " /var/www/html" but if you change the path on the Nginx configuration file, you will need to update this also).
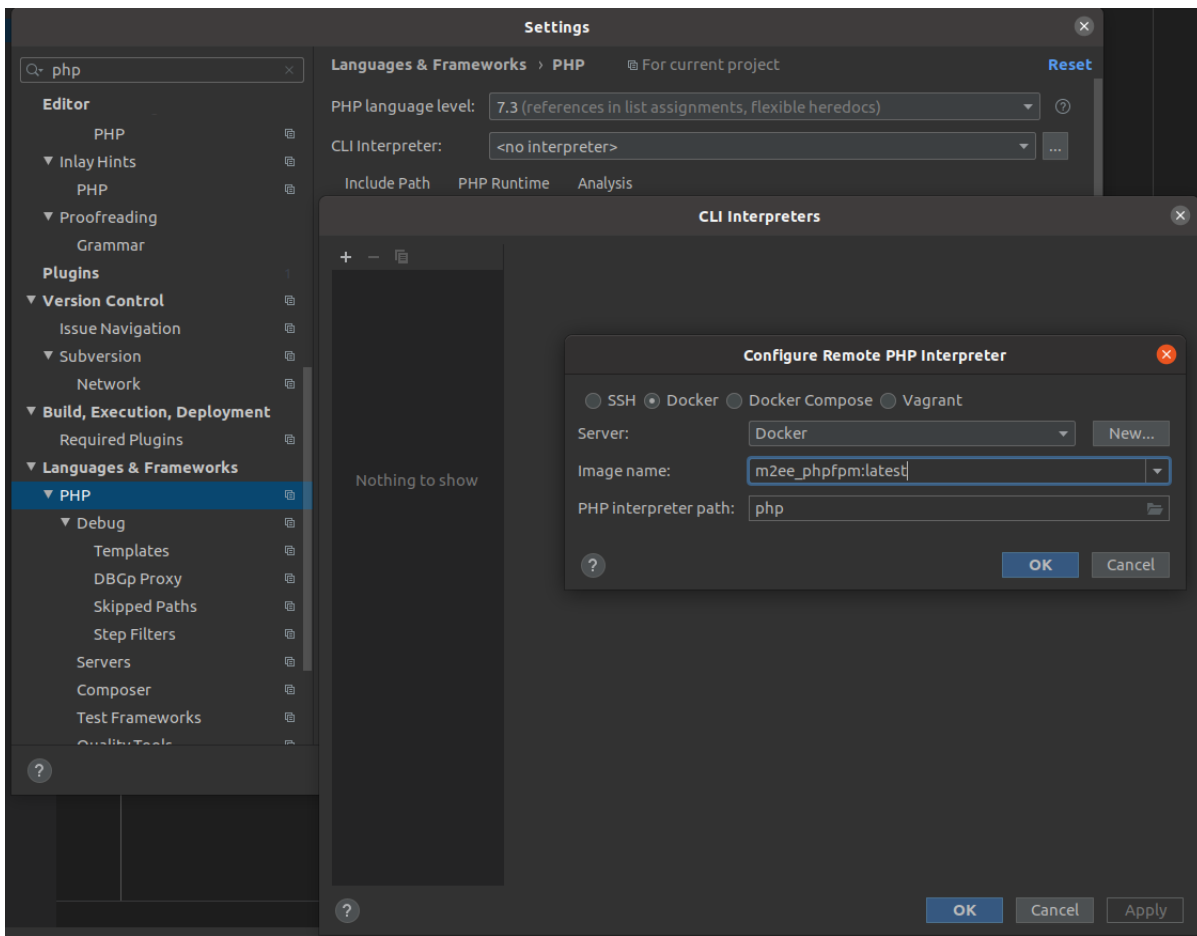

- The next step you need to do is to configure the PHP language & CLI interpreter for your project.

  Go to Setting Language & Frameworks PHP. Choose the PHP version you are using for "PHP Language Level". Then click on ... button to add our CLI interpreter
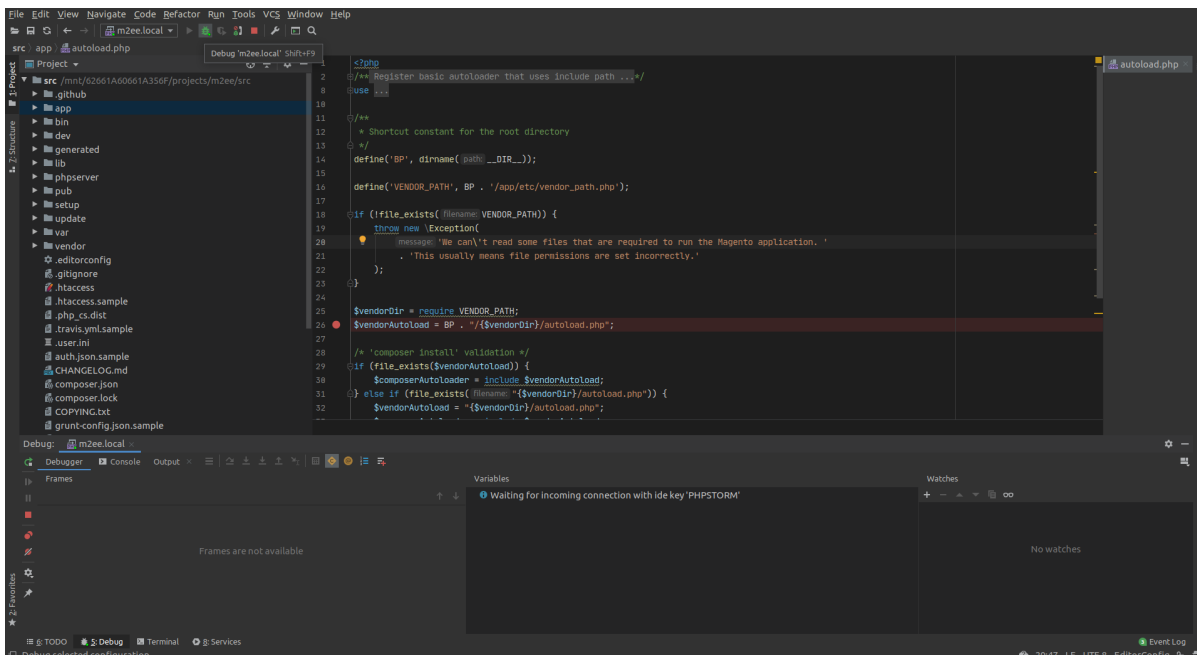
- Finally, On CLI interpreter Popup, click plus (+) button, and choose "From Dockers, Vagrant, VMs..." option. Then select the correct image in "Image name" dropdown as the image below. Normally, the format is "our docker folder"_"phpfpm:latest" because the docker-compose will generate the prefix base on our folder name and the last part will be the name of the fpm box.
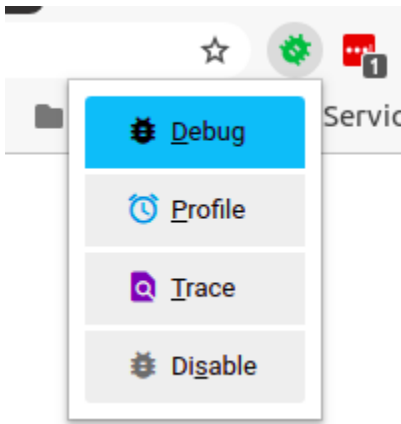
Run xdebug & have fcking fun :D

- Click on debug icon on PHPSTORM IDE

- On browser remember to enable xdebug extension by click on the xdebug icon and select Debug

- If everything is good then you can debug your project just like me now 😃