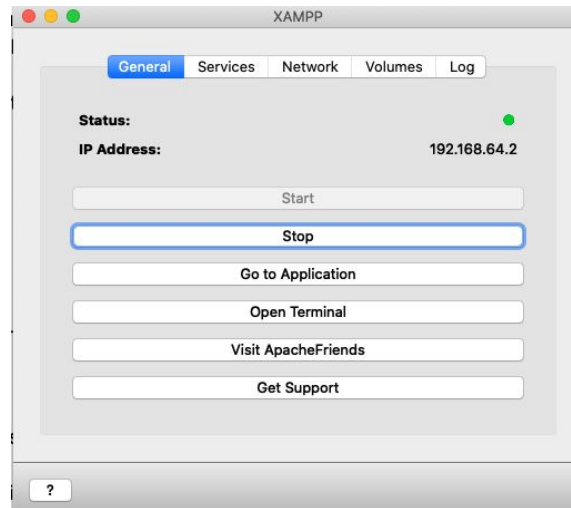All tasks require communication with a PHP server in order to run. You can achieve this by running them on your own domain, or by using a tool like XAMPP to run the PHP server locally.
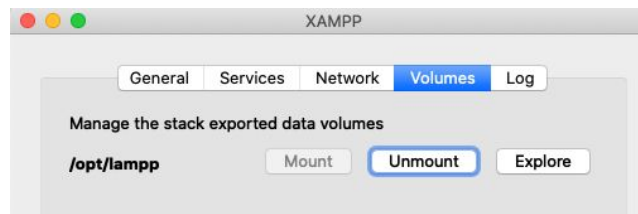
Running on XAMPP:

Once XAMPP is downloaded, you can follow these steps to get the desired task up and running:
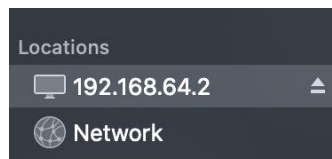1. Under the *General* tab click "Start"

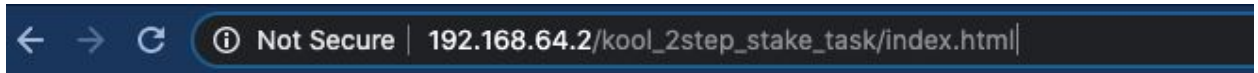2. Under the *Volumes* tab click "Mount"

3. Once mounted, you should see the IP address under Locations in your Finder window.

4. Place the task folder in the following path: (all task folders can be placed here)

/192.168.64.2/opt/lampp/htdocs

5. At this point the task is hosted locally and you should be able to run the task on a browser such as Google Chrome.
   - To do so enter the IP Address shown in the General tab, followed by the name of the folder that you placed in the path **/192.168.64.2/opt/lampp/htdocs**
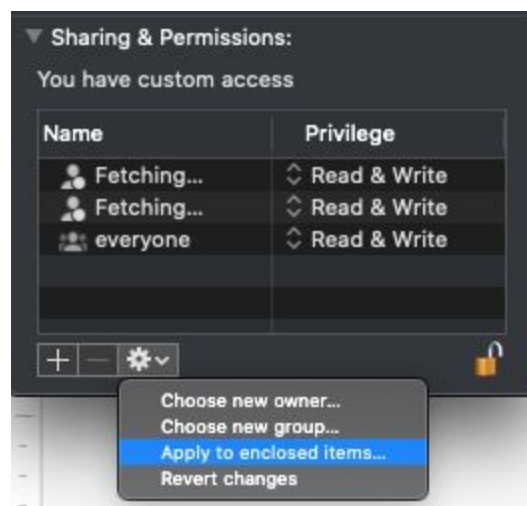

** You may run into an error that says "Not found", if so you may have to adjust permission settings. To do so follow the steps below. **

Adjusting permission settings:

Once you have downloaded the desired folder from OSF you may have to adjust permission settings, you can do so by following the subsequent steps:
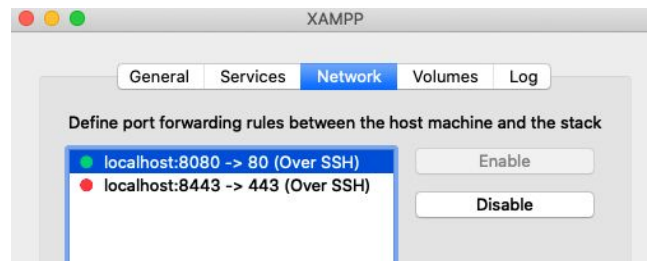
1. Right click on folder of interest and click on "Get info"
2. At the bottom you will see a section on "Sharing & permissions"
3. Change all "Privilege" to "Read and Write"
4. Click the gear box at the bottom and "Apply to enclosed items.."
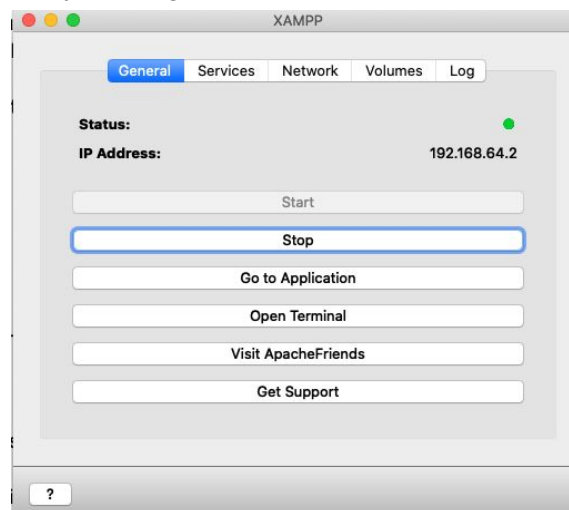

5. Once this is done you should no longer see an error message and you may mine space treasure!

Saving data:

1. Under the *Network* tab click "Enable" to enable one of the ports.

2. It doesn't matter which one you enable, just ensure that you use the port number of the port you enabled for the following steps.

3. Access your PHP server by clicking "Go to Application" in XAMPP.

4. Once at the PHP dashboard, click "phpMyAdmin" in the top right corner.

5. Here you will be able to create a database.

6. Once created, open the database_config.php file from the task folder and insert relevant information:

```php
<?php
$servername = "localhost";
$port = 8080;
$username = '';
$password = '';
$dbname = '';
?>
```

7. Once you have configured the task to communicate with myPHP you can create a dataframe within the database on myPHP that you will refer to in the index file of the task.

8. For the present task we can use the following command to define which trials we would like to save. In this case we will be calling data from all the trials of type 'kool-2step-stake-stim' and saving them to the dataframe we will create called 'kool_2step_stake_data'.

```
/* save the data */
var save_data_block = {
  type: 'call-function',
  func: function(){
    data = jsPsych.data.get().filter({trial_type: 'kool-2step-stake-stim'}).json()
    save_data(data,'kool_2step_stake_data')
  },
}
```

9. In this case, the data to be collected for these trials is specified in the 'kool-2step-stake-stim' plugin as shown below.

```
// gather the data to store for the trial
var trial_data = {
  "state1": state1,
  "stim_left": stims[0],
  "stim_right": stims[1],
  "rt_1": response[0].rt,
  "choice1": choice1,
  "response1": response[0].key,
  "rt_2": response[1].rt,
  "points": points,
  "state2": state2,
  "stake": stake,
  "score": score,
  "practice": trial.practice,
  "rews1": trial.rews[0],
  "rews2": trial.rews[1],
}
```

10. Once you have identified the variables you would like to store you can create a dataframe in phpMyAdmin with the variables that you identified in the "trial_data" function shown above.
    *When creating the dataframe in phpMyAdmin make sure to set the type accordingly (i.e, int, str).

11. The name of the dataframe on phpMyAdmin should match the name you provide in the "save_data" function, as shown in step 8 above.

12. Once you've done this you should be able to save the data to phpMyAdmin, if so, you should see a "success" message in the console after the "save_data" function has been run.

Hosting online:

To run a study online you should follow similar steps as when running on XAMPP.

1. Add the task folder to your servers file manager in the "public_html" folder.
2. The address should be your domain name and the path of the folder where the task is located: https://cdmlab.a2hosted.com/task_folder

Saving data:

When saving the task data you should also follow similar steps as when running on XAMPP.

1. Modify the database_config.php file from the task folder with the information about your server.
2. Create a dataframe in phpMyAdmin and follow the steps 8-12 delineated previously for saving data using XAMPP and PHP.