

Instructions to deploy and run:

First, you need to download virtualbox from this link. Make sure to download Make sure you download the correct one for your machine. Run it and open it up.

- <https://www.virtualbox.org/wiki/Downloads>.

Next, you need a server; we recommend this one since it's the one we were working with. Again, make sure you download the correct one for your machine. Also, make sure that you download the virtualbox version, not the vmware one.

- <https://www.offensive-security.com/kali-linux-vm-vmware-virtualbox-image-download/>

Now that you have both a server and virtualbox, click on machine in the virtualbox window. Click add. Now you should find where the server is and click on it and then press open.

From here, you need to go navigate to network and click the green add button. Name this network 'NatNetwork'. From here, you need to click on settings and change it from 'Nat' to 'NatNetwork'.

Then, you can click on the kali server under the tools. It should run from here smoothly on Windows, we had a slight hiccup on Apple Macs though. The username is 'root' and the password should be 'toor'. From here, click on the terminal and type in the commands:

1. Service apache2 start
2. Service mysql start
3. Mysql -u root -ptoor
4. Copy and then ctrl-shift-v [init.ddl](#) onto the terminal and press enter.
5. Copy and then ctrl-shift-v [config.ddl](#) onto the terminal and press enter.

Now we need to download the client-side code. You can do this one of two ways. Either download directly into the Kali server through the browser or you can use a shared folder.

For the shared folder, in the kali server browser, click on Devices and then shared folders. You can click on the add new shared folder button on the right side and then choose your selected folder.

Now that you have the client side code, navigate to the var/www/html/ folder; create a new folder there called 'CS157A'. Move the client side code into the folder; make sure that there is not further folder encapsulation. The path to the files should be var/www/html/CS157A/file_name.php. From here, you can click on the browser and type in 'localhost/CS157A'. Then you should click on main.php to start the program.