Quantonomy Trading, LLC

AlphaHub, LLC

How to Setup a Free AWS server to run the Trader

You don't need a server to run the Trader App but it is the suggested method. You can easily rent for free and setup a server on AWS (or similar services) and run the Trader without using resources on your computer and without worrying about loss of power or other problems affecting your local computer.

Creating and Launching an AWS instance

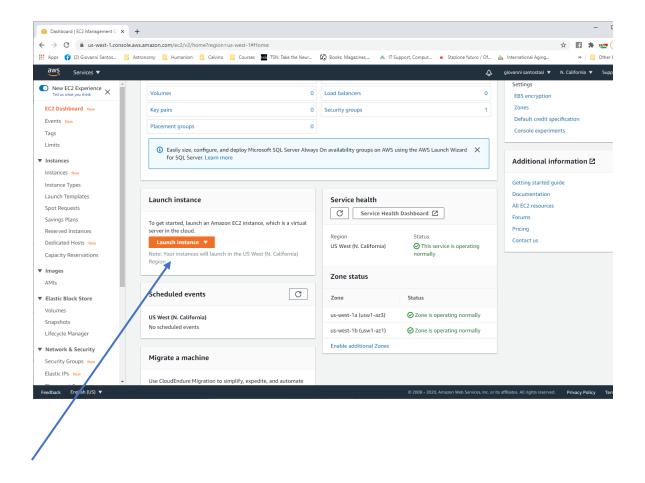
750 cumulative hours of usage and 30 GB-months of storage per month are covered under the AWS Free Tier. To launch a Windows EC2 instance that is covered by the AWS Free Tier, follow these steps:

1. Sign in to the Amazon EC2 console.

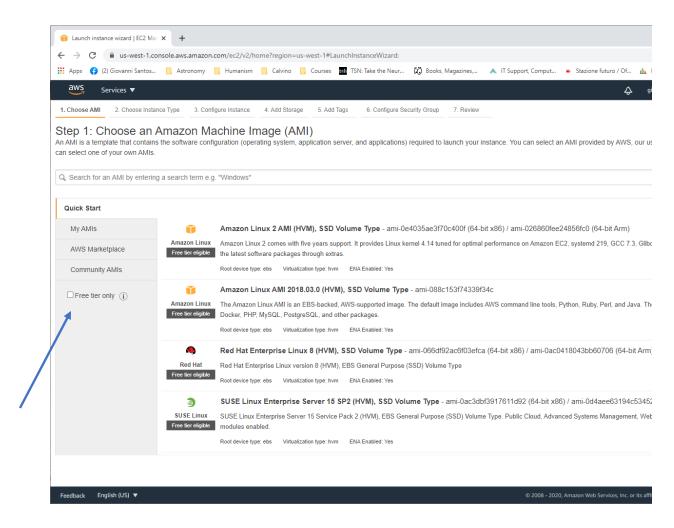
https://console.aws.amazon.com/ec2/

if you have already an account select "root user" if you don't have an account with AWS then create an account.

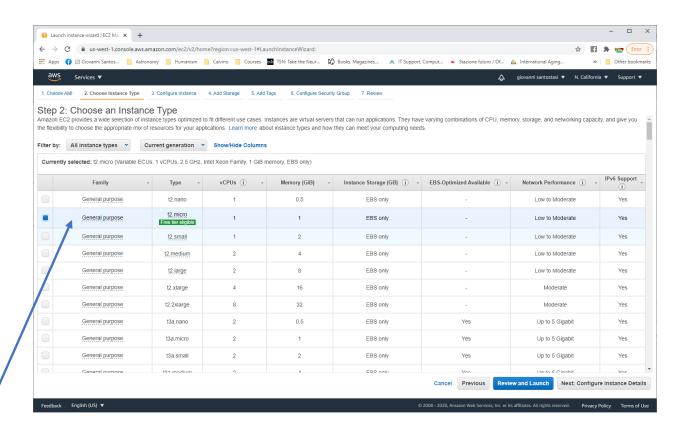
2. Once you are logged in in the AWS account, choose Launch Instance.



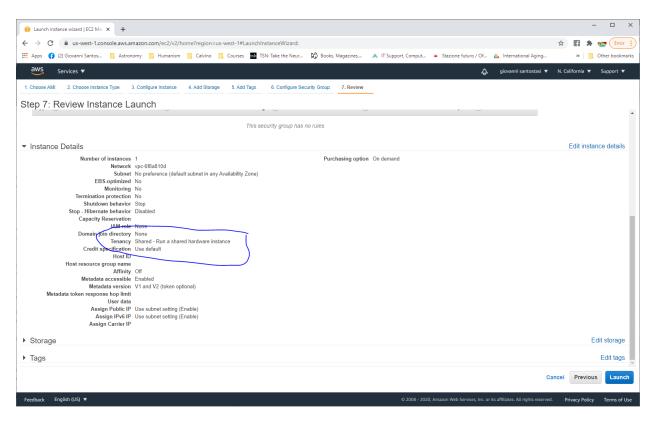
3. Limit the AMIs in the list by selecting the **Free Tier** only box. Then, next to an eligible AMI, choose Select.



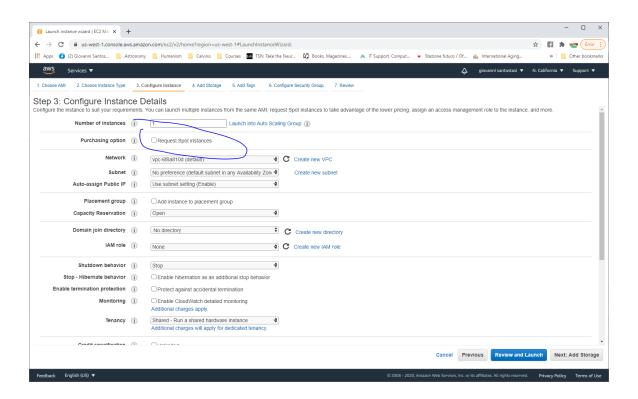
4. Select an instance size that is labeled **"Free Tier eligible."** Then, choose Next: **Configure Instance Details.**



5. On the Configure **Instance Details** page, be sure that **Instance Tenancy** is set to Shared, and that Request Spot instances is not selected. All other settings do not affect whether the instance's usage is covered by the AWS Free Tier, and you can configure them as you like. When you're ready to continue, choose Next: Add Storage.

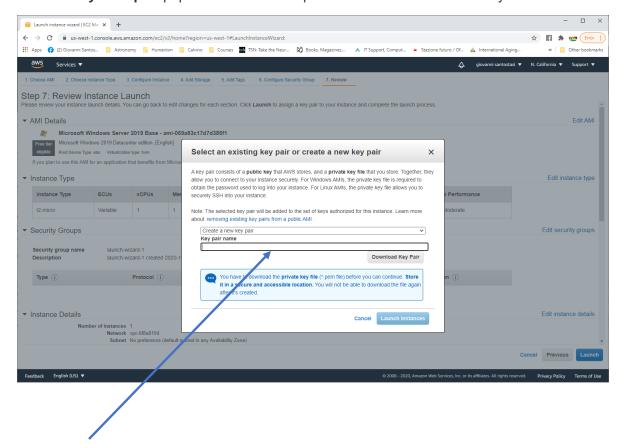


The **Instance Tenancy** should already be set to Shared but check just in case.



Also the **Purchasing Option should be not selecting** as Default but just double check just in case.

- 6. You can skip the Add Storage step or add more storage (it will add some cost, so go ahead and get free 30 G if you want a free instance). 30 G will be more than enough if you want to run the Trader App that is just a little bit more than 1 G (including MatLab RunTime).
- 7. Optionally, add a tag to your instance. Then, choose **Next: Configure Security Group**.
- 8. Configure a security group that allows only trusted traffic in and out. Click on **Edit Security Group.** A pop-out windows will open. Choose "Create a New Key Pair".

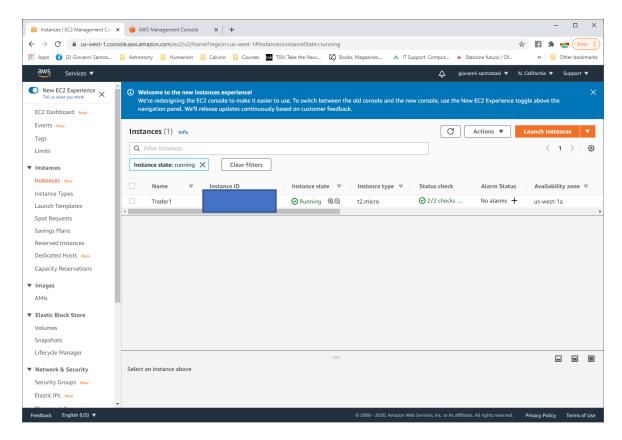


Choose a name for your keys like "TraderAlpha" or whatever name you like.

Then press Download Key Pair.

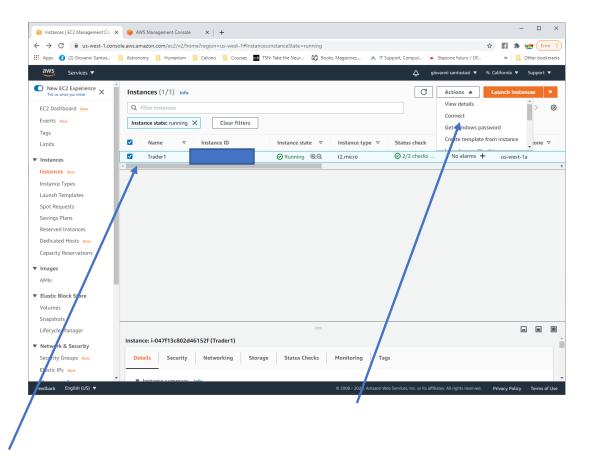
Look in the download folder and copy the key file, create a folder (named "TraderKey" for example, but it can be any name, it is just a safe place where to store your key). This key will be used to remote access your server from your computer.

- 9. Finally launch your instance. Give some time (up to 10-15 minutes) for the instance to be setup.
- 10. Go back to the EC2 Dashboard and check if your instance is ready.



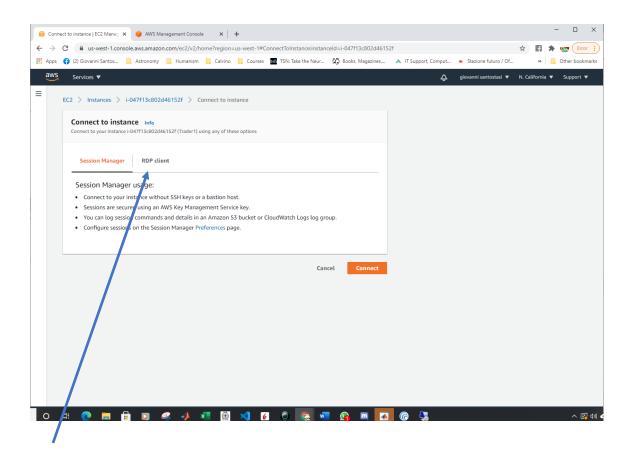
When it is says running go to next step: Remote Connection.

11. Remote Connection:

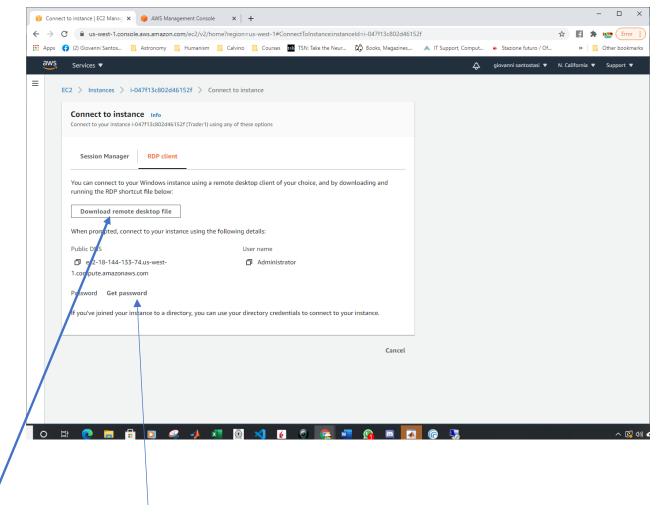


Select the instance and the under the Actions tab select Connect.

12. Choose RDP client.

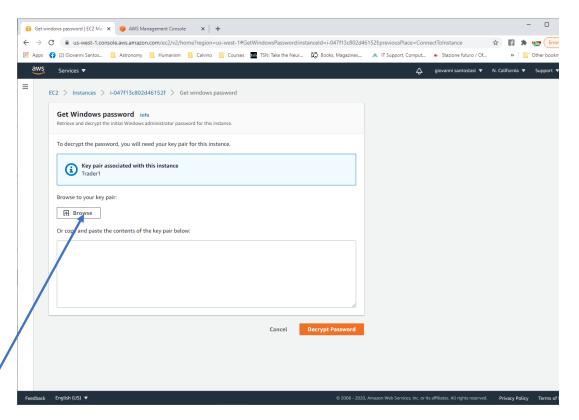


13. Select Download remote desktop file.



Click also on Get password.

A Dialogue box will appear:



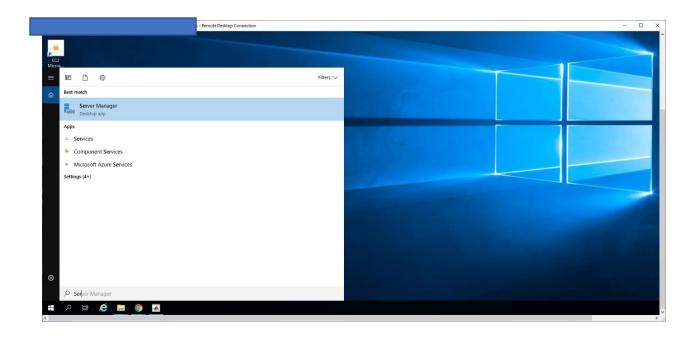
Click Browse and navigate to the folder where you stored the key and select the key file. A password will appear in the box, copy and save the password.

- 14. Find the remote desktop file in your desktop, copy it and save it somewhere safe in a folder. Click on the file.
 The file dialogue will ask for a password. Use the password that you just copied.
- 15. You should be able to see a window opening that shows your Windows Server.

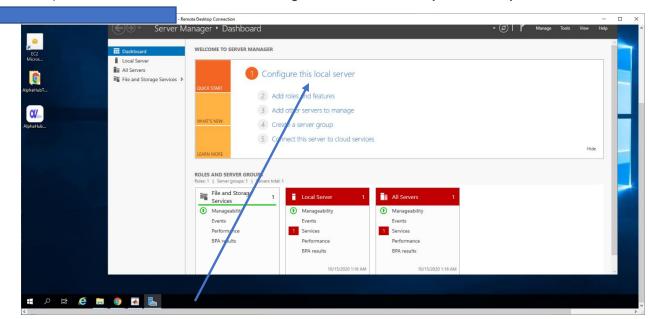
Configuring the Server

We need to some work to configure the server so we can run the Trader app

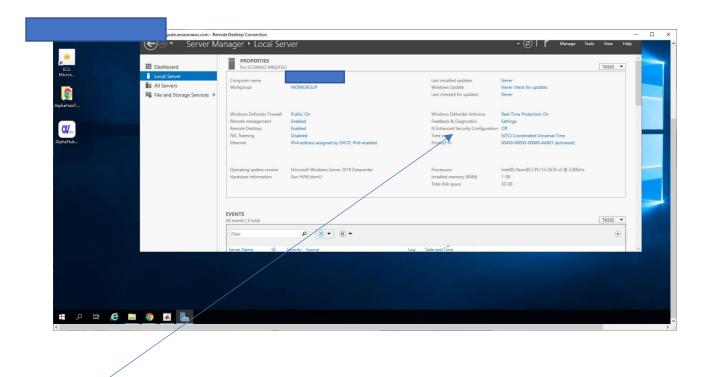
1) On the search window type Server Manager.



2) Select Local Server and then Configure this local server (Quick Start).



3)



Once the server is configured set IE Enhanced Security Configuration Off. This is important because we will use Internet Explorer (IE) as our connection to the world (for now, later you can download your favorite browser, like Chrome for example).

Press ok to confirm your changes. Close the Server Manager.

- 4) Now you can use IE. Open the browser and download your favorite browser or continue to use IE if you like.
- 5) Go to the github repository where you can find the Trader app, download it and install MatLab RunTime and then you can launch the Trader app.

https://github.com/gsantostasi/AlphaHubTrader

- 6) Follow the instructions in the other documentation on the github repository on how to setup the trader.
- 7) Optional: You can download other Remote Desktop software that are easier to use like RemotePC.

www.remotepc.com/

Follow instructions on their website on how to set it up and use it. Otherwise, to reconnect again (when you close your connection to the server) you can continue to use Remote Desktop connection using the downloaded link as explained in steps 13. to 15. In previous section.