Starting up a Cypress AMI

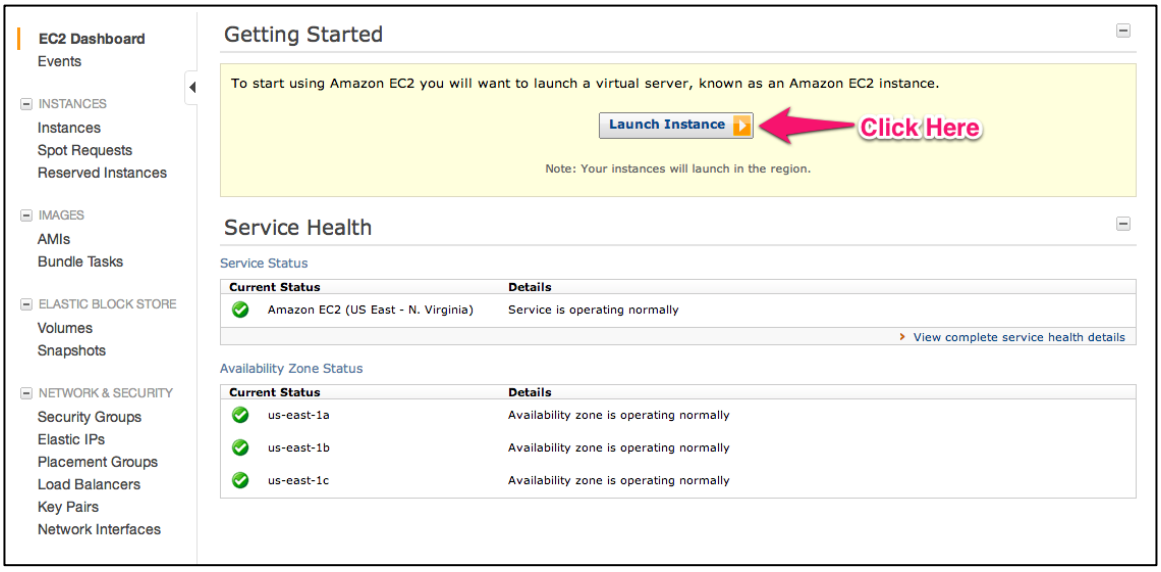
The Cypress Certification tool provides an Amazon Machine Image that should allow you to easily start up an instance of the Cypress application. An AMI is a virtual machine template that can be used to clone an instance of an Amazon Elastic Compute Cloud virtual machine. Amazon Virtual machines can be run for a low cost hourly fee (see: http://aws.amazon.com/ec2/pricing/). The following instructions will walk you though cloning your own instance and finalizing the confirmation of Cypress.

Begin by going to the Amazon EC2 console:

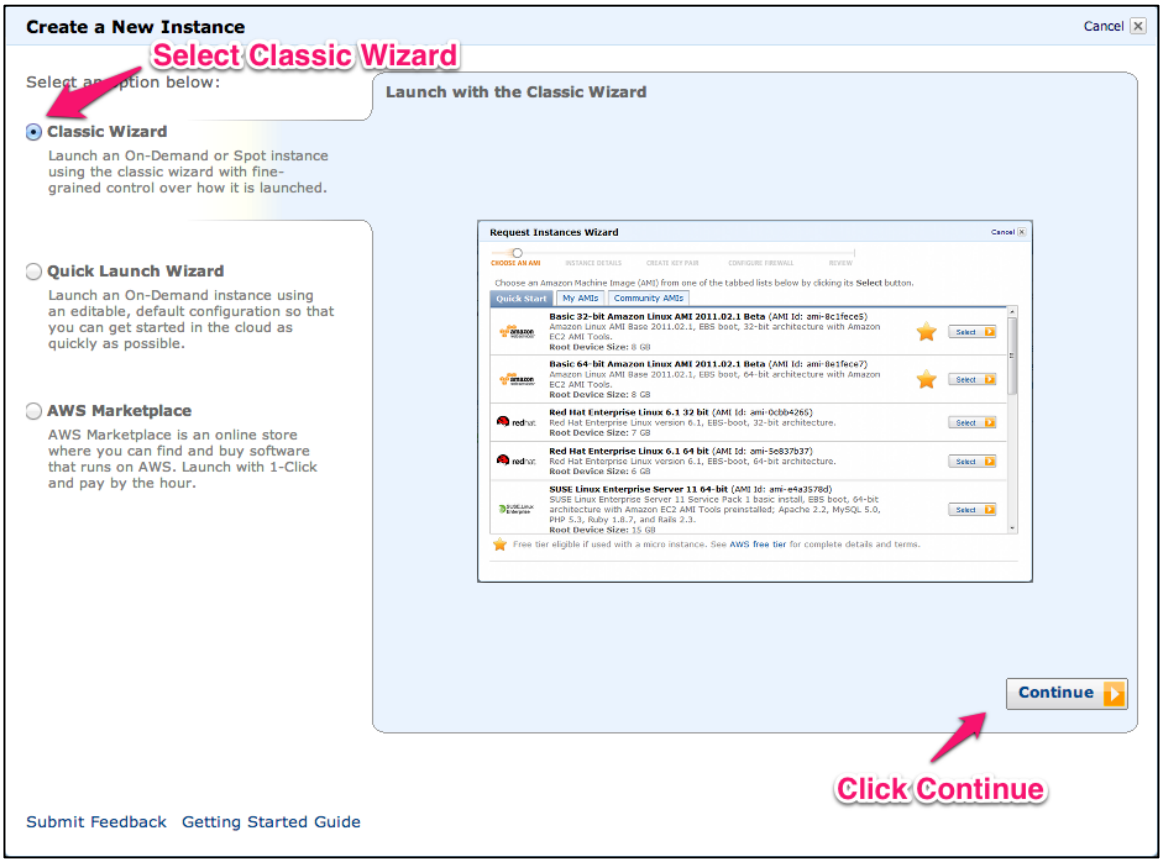
https://console.aws.amazon.com/console/home

Log into the EC2 console using an amazon account, or create a new account. On the Main screen select the EC2 link under Amazon Web Services

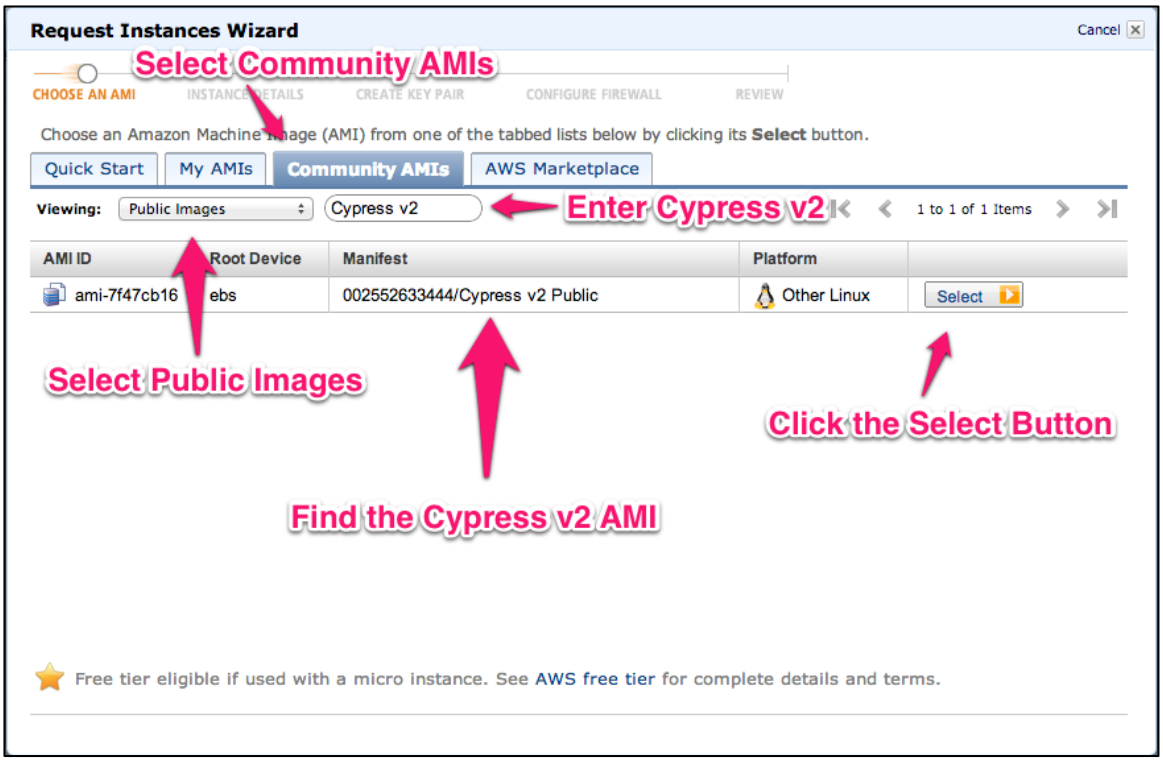
On the EC2 Dashboard, you should see a yellow box labeled “Getting Started” Click the Launch Instance button.



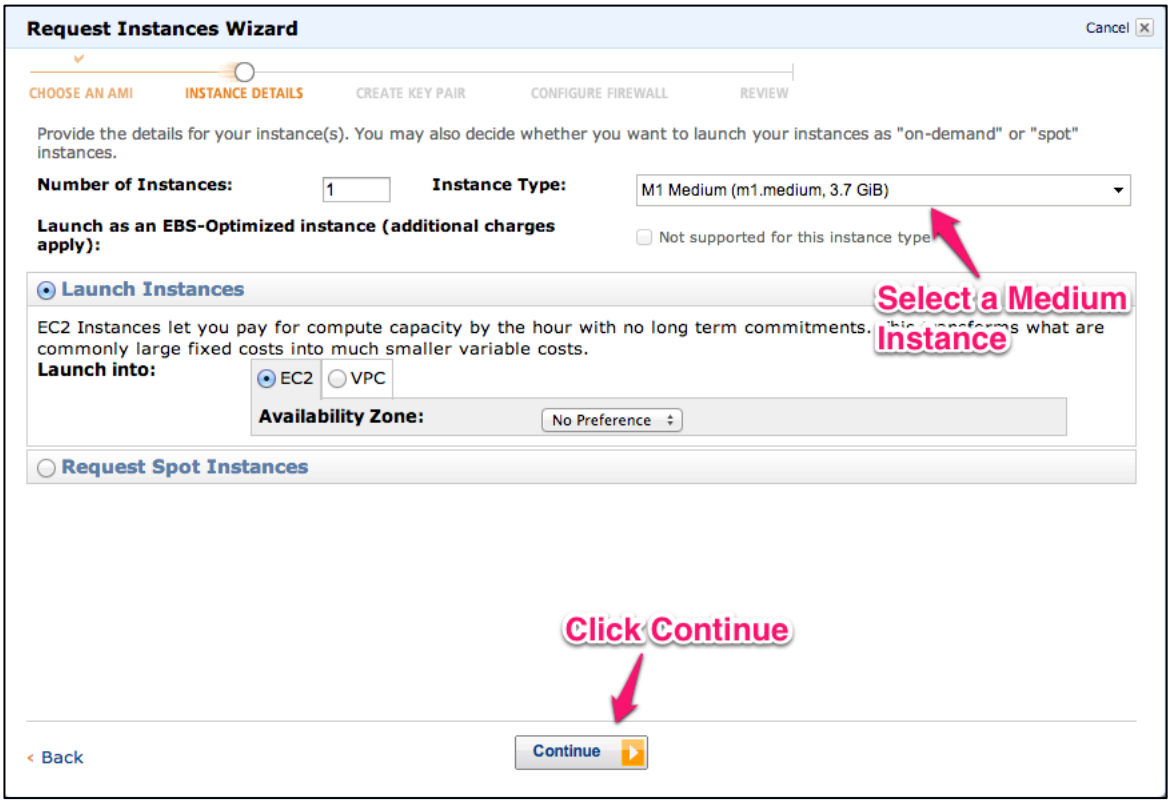
This should bring up the Create New instance dialog. Make sure the Classic Wizard option is selected and click Continue.



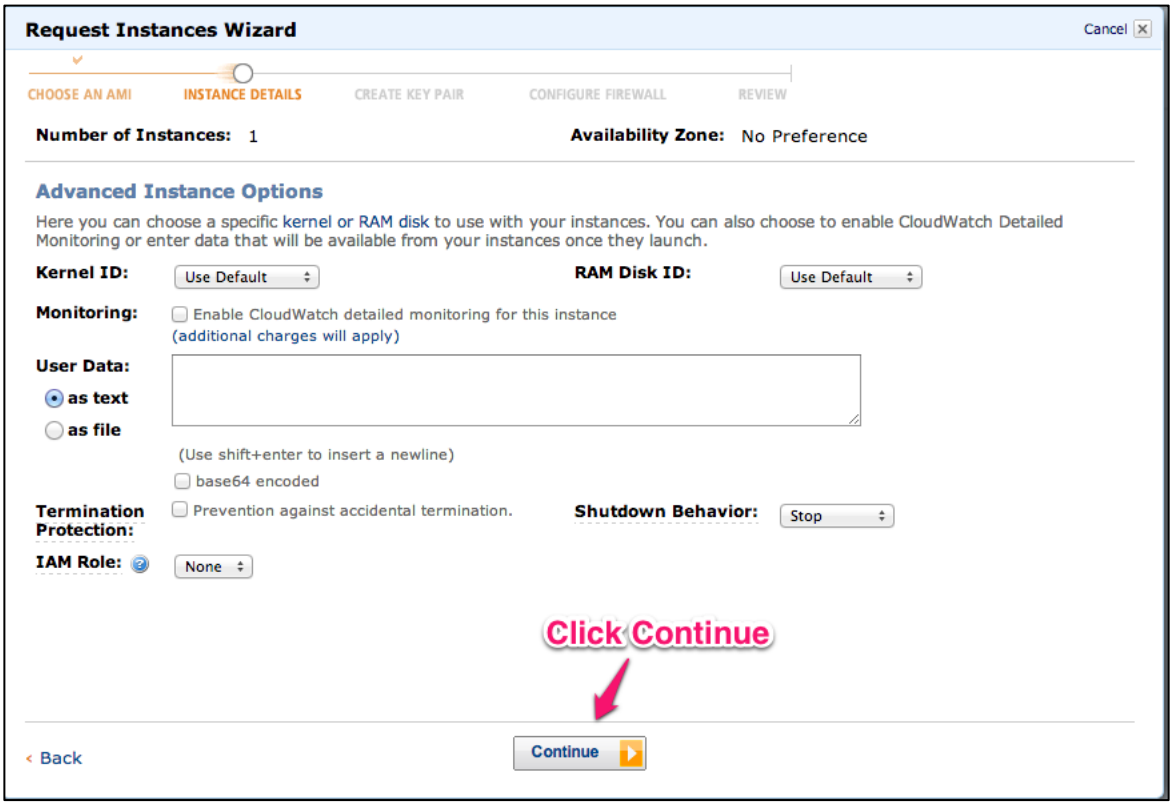
This should open the Request Instances Wizard. On this screen select the Community AMIs tab. Then next select “Public Images” from the dropdown and enter “Cypress V2” into the text box. It may take a minute or more for the public AMI to be found. Once the search finishes, you should see an AMI with the manifest “Cypress V2 Public”. Click on the Select button next to this AMI. Note that there will be more than 1 AMI listed. Please check to make sure you are choosing the version of Cypress that you wish to run.



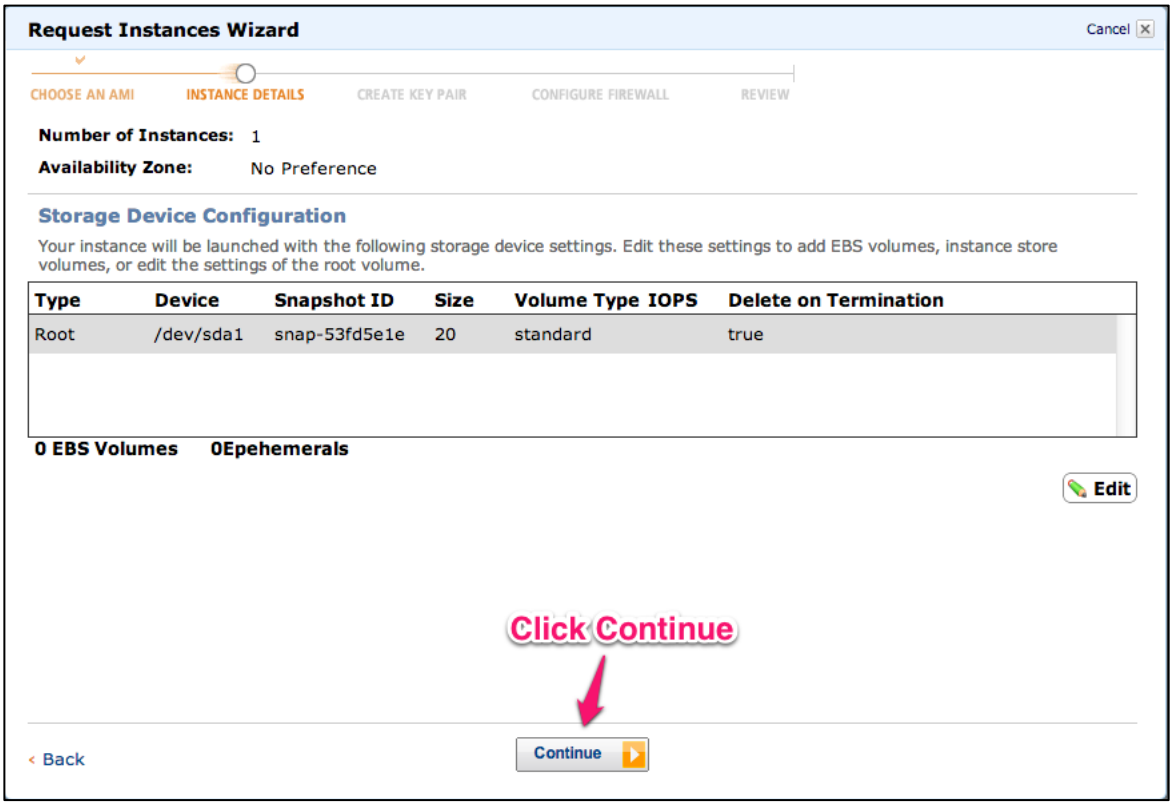
On the next screen select a medium instance from “Instance Type” and click Continue.



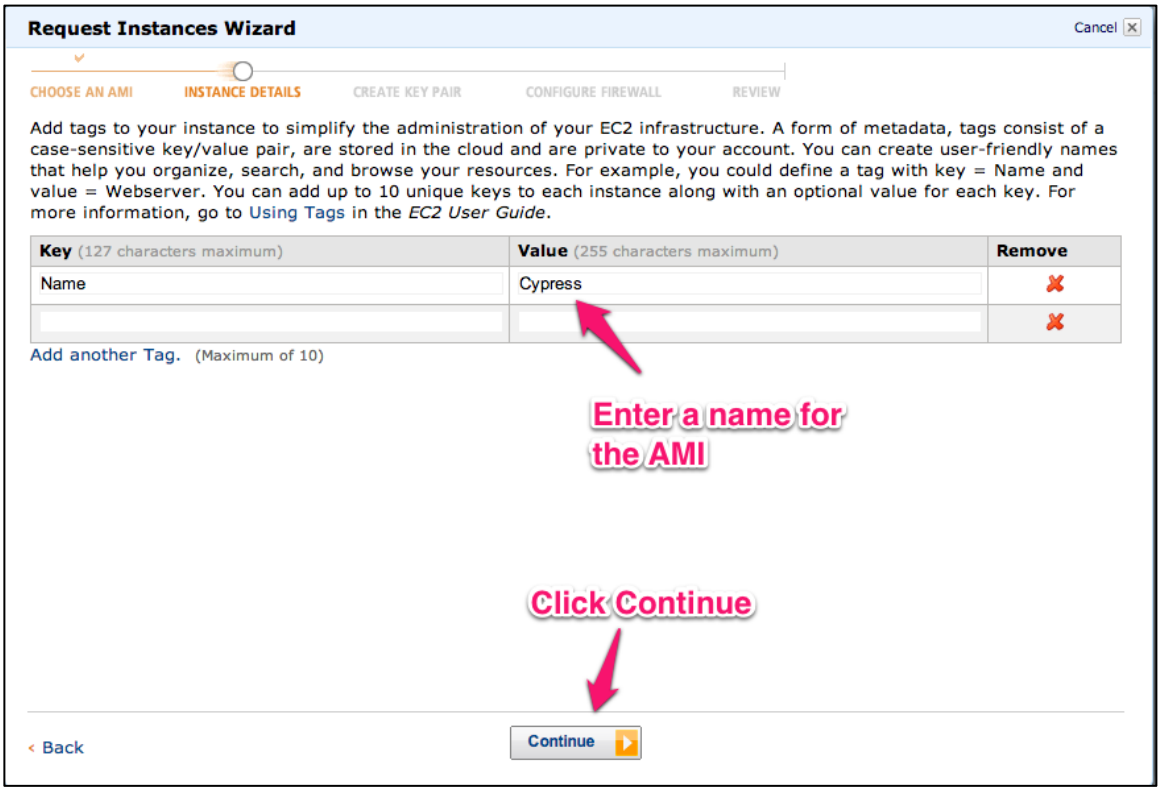
On the next screen click Continue



On the next screen click Continue again.

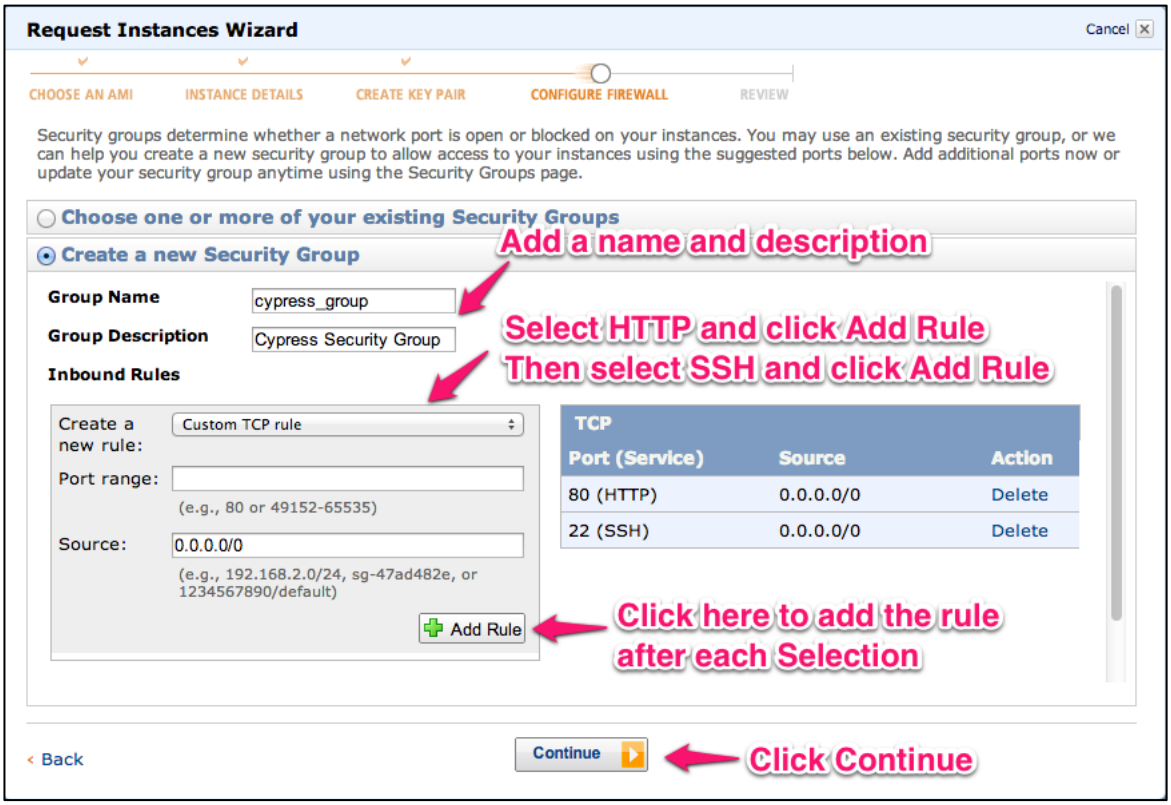


On the next screen enter a name for the AMI and click continue

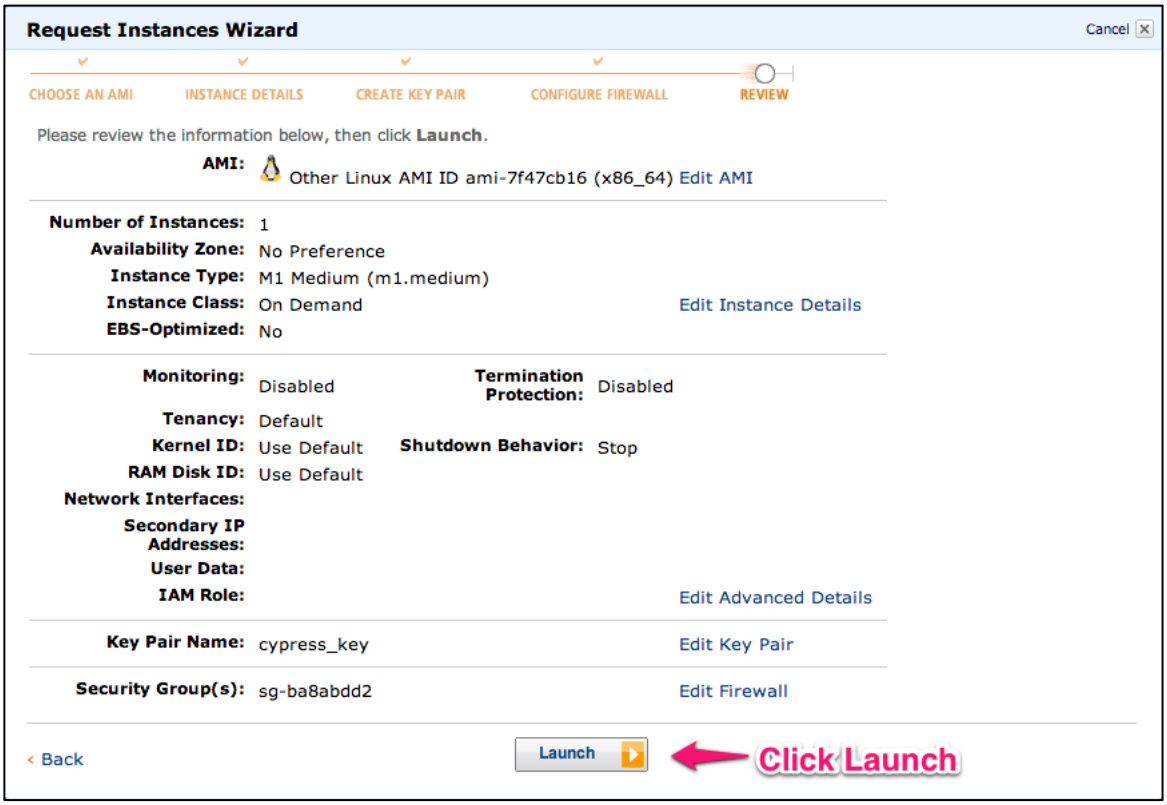


On the next screen click the Create a new Key Pair option if you do not have an EC2 key pair already. If you have an existing key pair you can use that instead. To create a new key pair, enter a name for the key pair, and click on the Create & Download link. Save the downloaded file to a safe place you will remember. You will need this file in order to log into the Machine Instance.

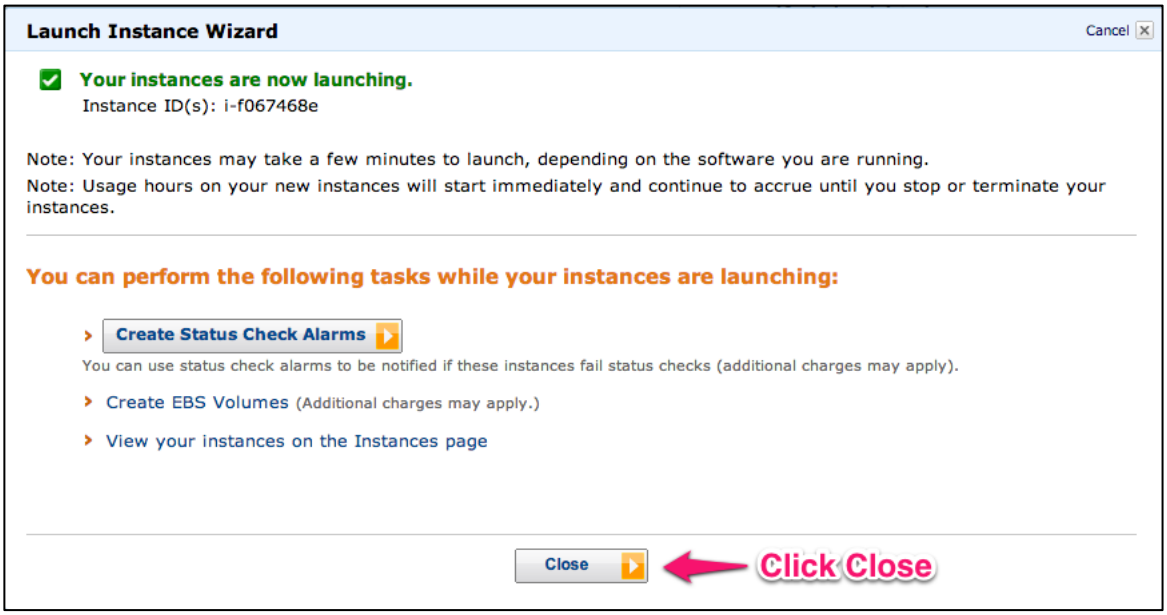
On the next screen you can either use an existing security rule if you have one, or you can create a new security rule. These security rules dictate what ports can be accessed on the new image. At a minimum you will need to add HTTP (port 80) and SSH (port 22). To create a new group select the “create a new security group” option. Next, enter a name and description. You will need to add two security rules, one for HTTP and one for SSH. To add the HTTP rule select HTTP from the “Create a new rule” dropdown and click Add Rule. To add the SSH rule select SSH from the “Create a new rule” dropdown and click Add Rule. Once you have added the two rules click the continue button.



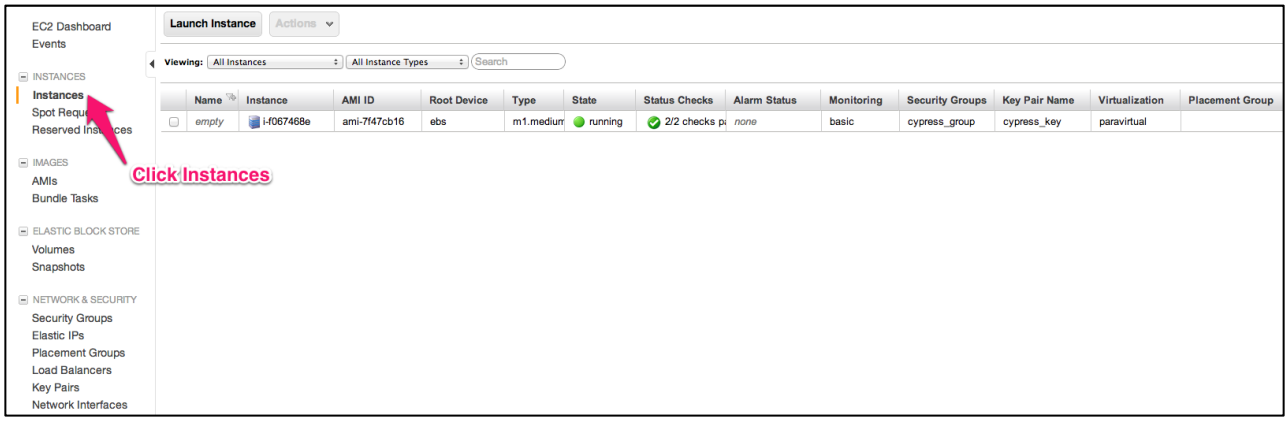
On the next screen, review your selections and then click Launch.



Click the close button on the final screen.



Back on the EC2 Dashboard, click instances.



Right click on the cypress instance and select connect. Expand the "connect with standalone SSH Client link". You should see connection information for SSH. Use this command from the command line with the SSH command, or use an SSH client to connect to your new instance. Instructions on connecting from windows can be found at
http://docs.amazonwebservices.com/AWSEC2/latest/UserGuide/putty.html

You should connect to the server using the username "ubuntu". You should not need a password since you are using a key pair for security. Connection string should look something like the following. Note that your connection string will be specific to your instance and can be found on the connect popup:
ubuntu@ec2-xx-xxx-xxx-xxx.compute-1.amazonaws.com

Once you have logged into your instance you will need to update the value sets from VSAC and load the measures into the system. You can do this by running the following command after you log in.

When using a Cypress 2.0.0 or 2.0.1 AMI you can use the following command to proceed.

sudo ./install_cypress.sh --import --nlm_user <user> --nlm_passwd <pass>

For Cypress 2.1.0 AMI installs please run the following commands once you log into the system, substituting your nlm username and password where relevant.

cd /home/cypress/cypress

sudo su - cypress

wget --user=username --password=password http://demo.projectcypress.org/bundles/bundle-latest.zip

source /usr/local/rvm/scripts/rvm

bundle exec rake bundle:import[./bundle-latest.zip,false,true] RAILS_ENV=production

For Cypress 2.2.0 AMI installs please run the following commands once you log into the system. You will be prompted for your NLM Username and Password to download the measure

cd /home/cypress/cypress
sudo su - cypress
bundle exec rake cypress:bundle_download_and_install RAILS_ENV=production

The install process has to download value sets and the measures. This may take several minutes.

Once the script is complete, you can open up the Cypress application in a web browser. The hostname is the same hostname you used to SSH into without the username section “ubuntu@”. The URL will be similar to the following.

http:// ec2-xx-xxx-xxx-xxx.compute-1.amazonaws.com/

Once the Cypress application login screen comes up select the “Create new account” link, create a new account, and then log in.