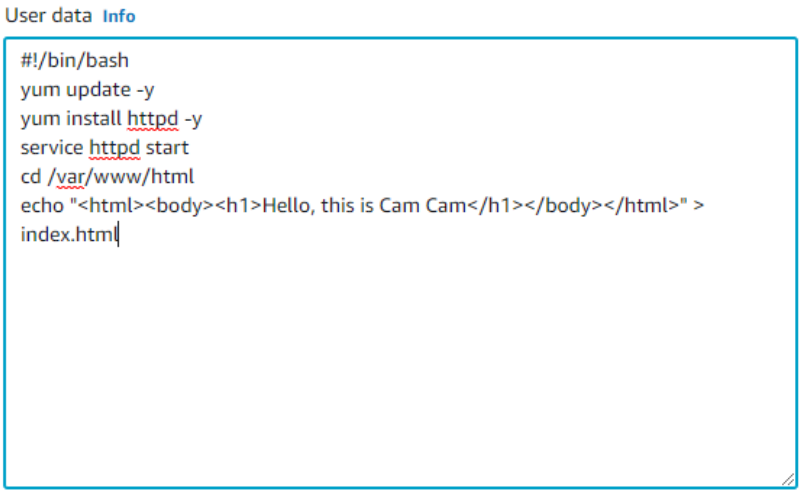
Bootstrap Scripts

https://docs.aws.amazon.com/cdk/v2/guide/bootstrapping.html

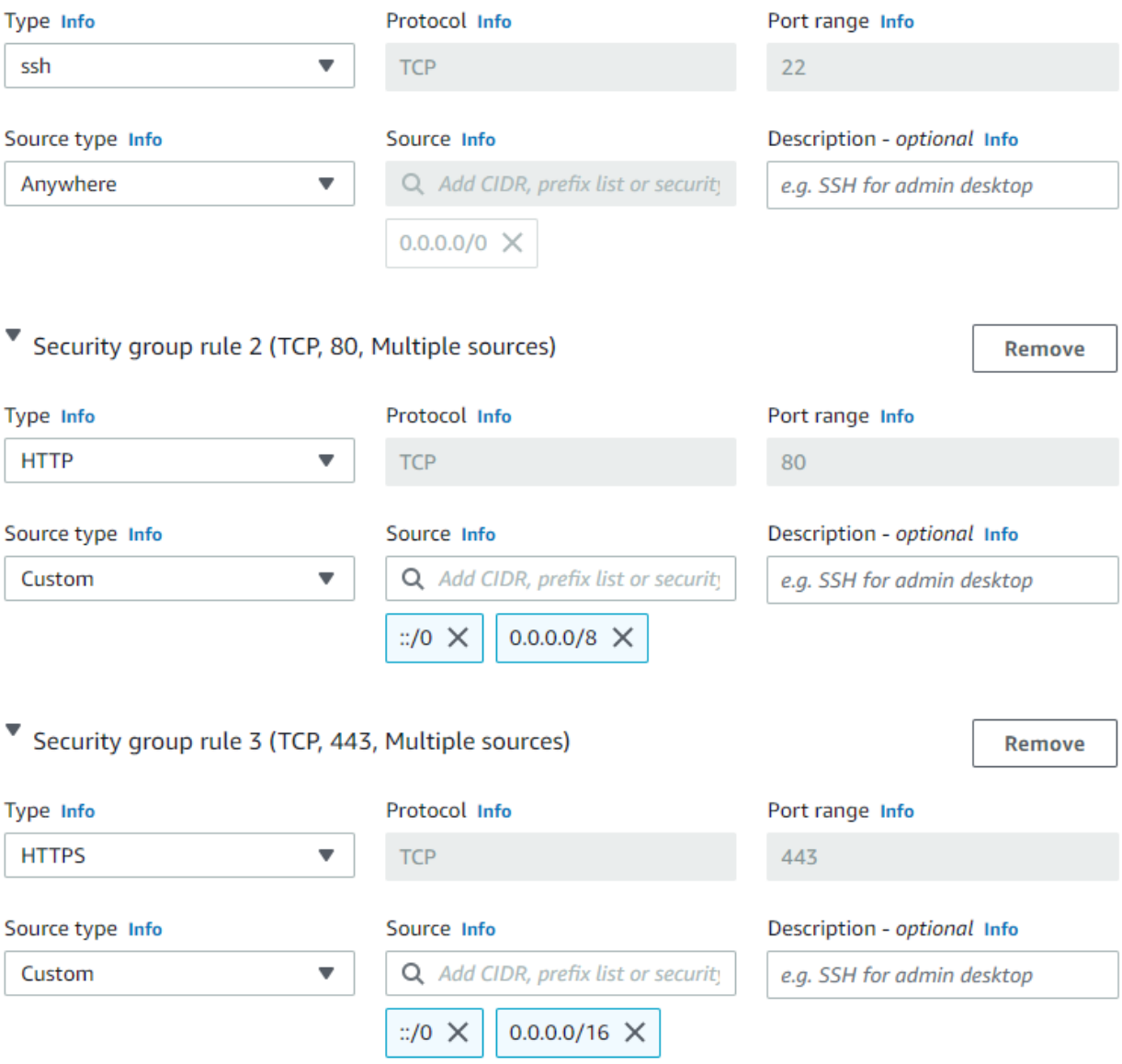
1. At your EC2 dashboard, click on launch instance
2. Of course, you would want to use the Amazon Linux 2 Kernel which is the free tier
3. So to do the bootstrap scripts you have to go down to the very bottom and you will see advanced details, expand that.
    a. You then want to find “User Data” which looks like this below
4. You then want to input the script into the field



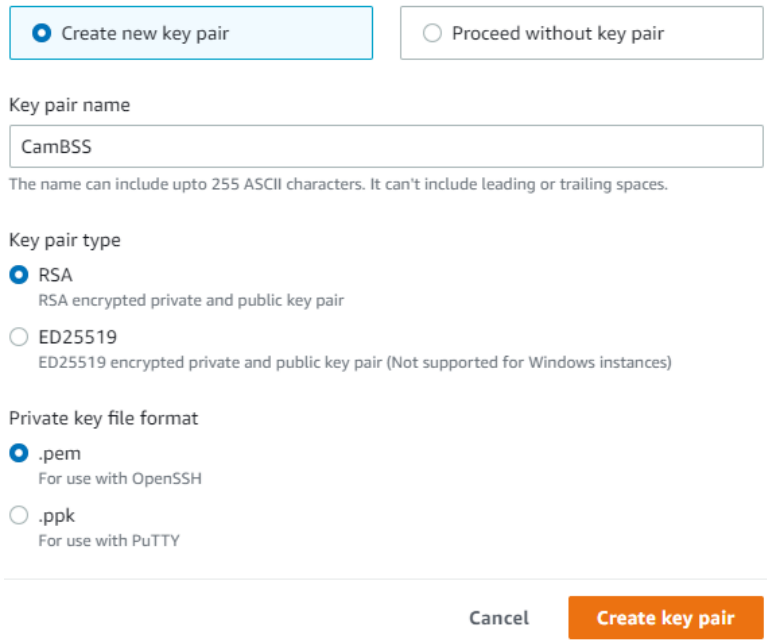
5. Then here you would use your standard storage
6. Find the security group. This may be under the network settings
7. Here you would like to name the security group.
    a. Everything in this security group is going to be a web server
8. Add a rule to where the type shows SSH, HTTP & HTTPS

And remember 0.0.0.0/0

^ open that IP range. You wouldn’t want to do this for SSH or RDP because this opens for an attack within your EC2 instances

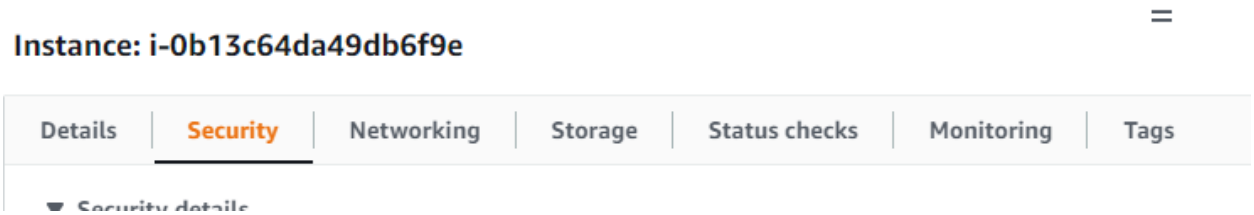


9. Once all of that is created and verified click launch
10. Before launching you would have to create a new key pair

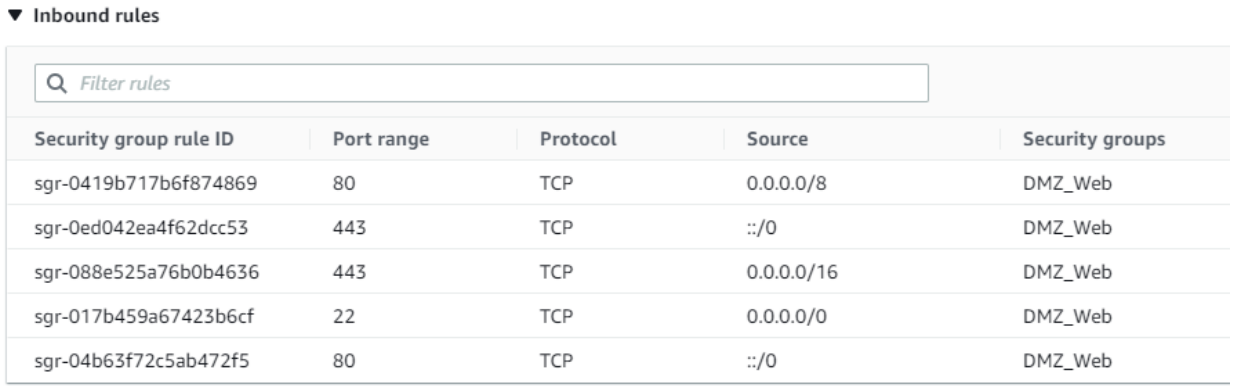


a. Here I named it “CamBSS” for Cams BootStrap Script

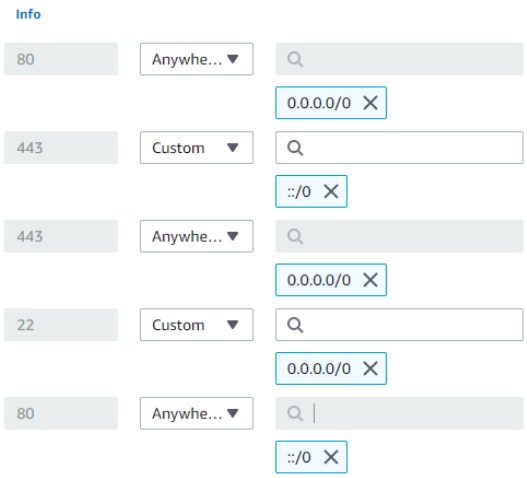
11. This will then download the .pem file
12. Click Launch Instance
13. Once that is completed click “view all instances”
14. The instance is now going to sit behind a security group that is open to port 80
15. Once you select the instance that was launched/created if you select the “security” tab



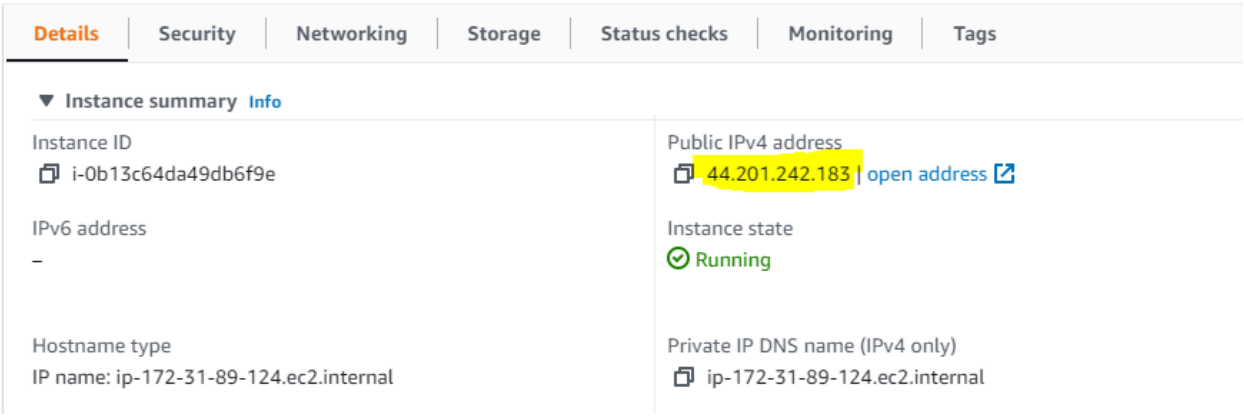
16. And down below are the inbound rules



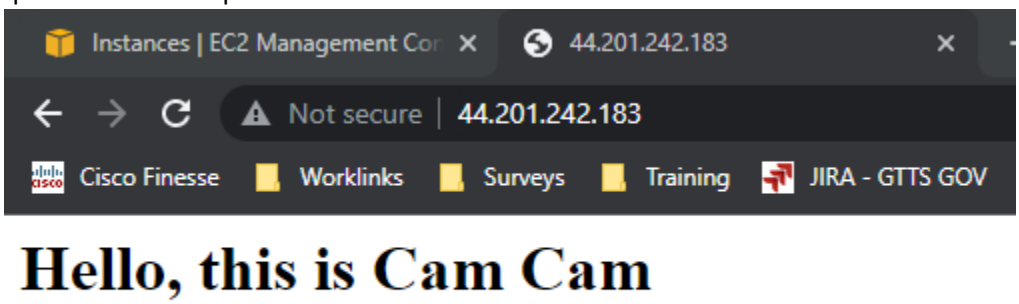
17. I went back and changed the inbound rules for port 443 and port range 80. See down below



18. Once everything looks good, go back into the instance and go into the detail tab where it has the public IPv4 address



19. Copy and paste that public address and it should take you to the script for a webpage you implemented on step 4 above.



20. The reason we can see this is because we opened up port 80 on our security group.
    a. If we deleted port 80 of course we would no longer go into the webpage.