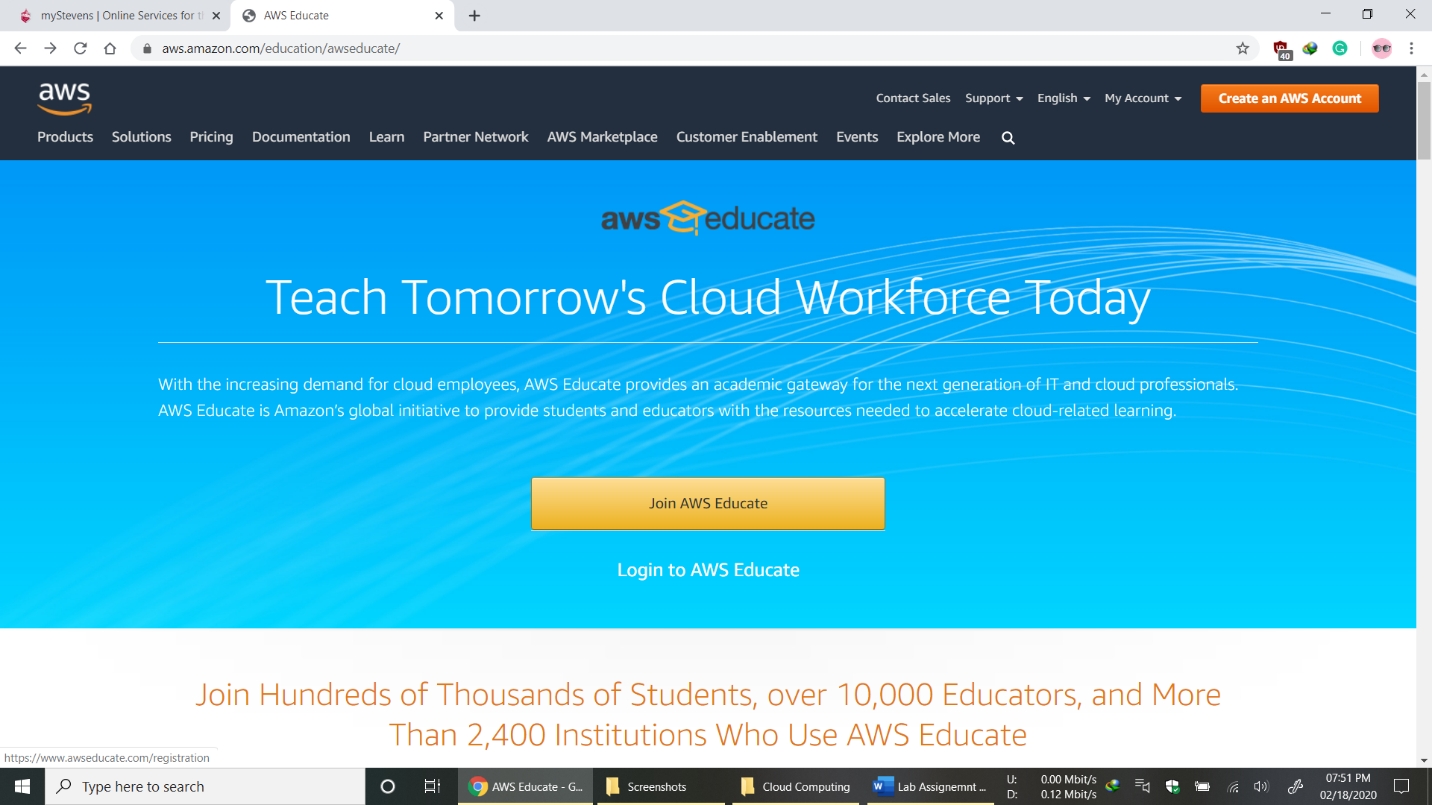
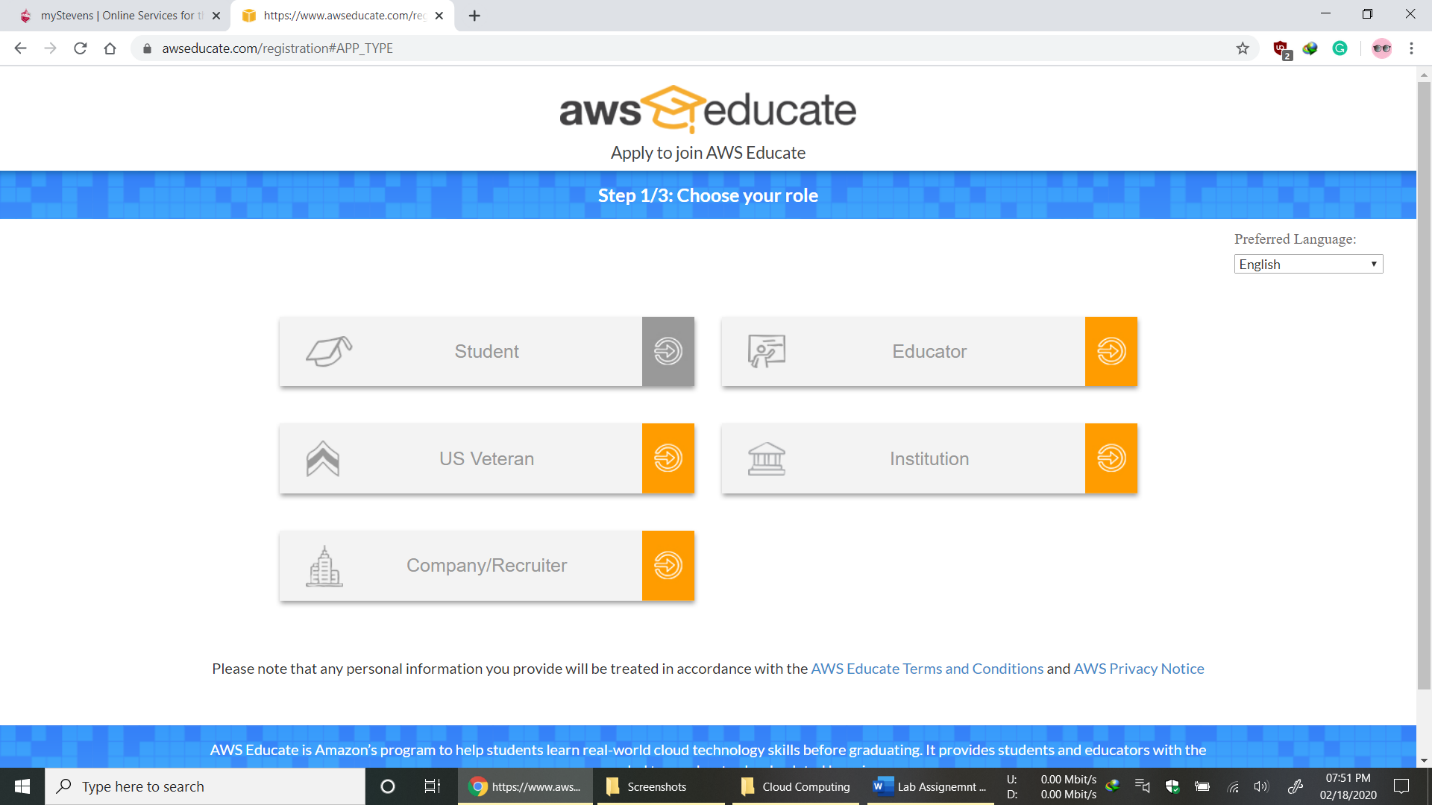
|  |
| --- |
| CS 524 Introduction to Cloud Computing |
| Dharmit Viradia |
| Lab Assignment 1 |
| Prof. Igor Faynberg |

**Step for Creating an AWS account**

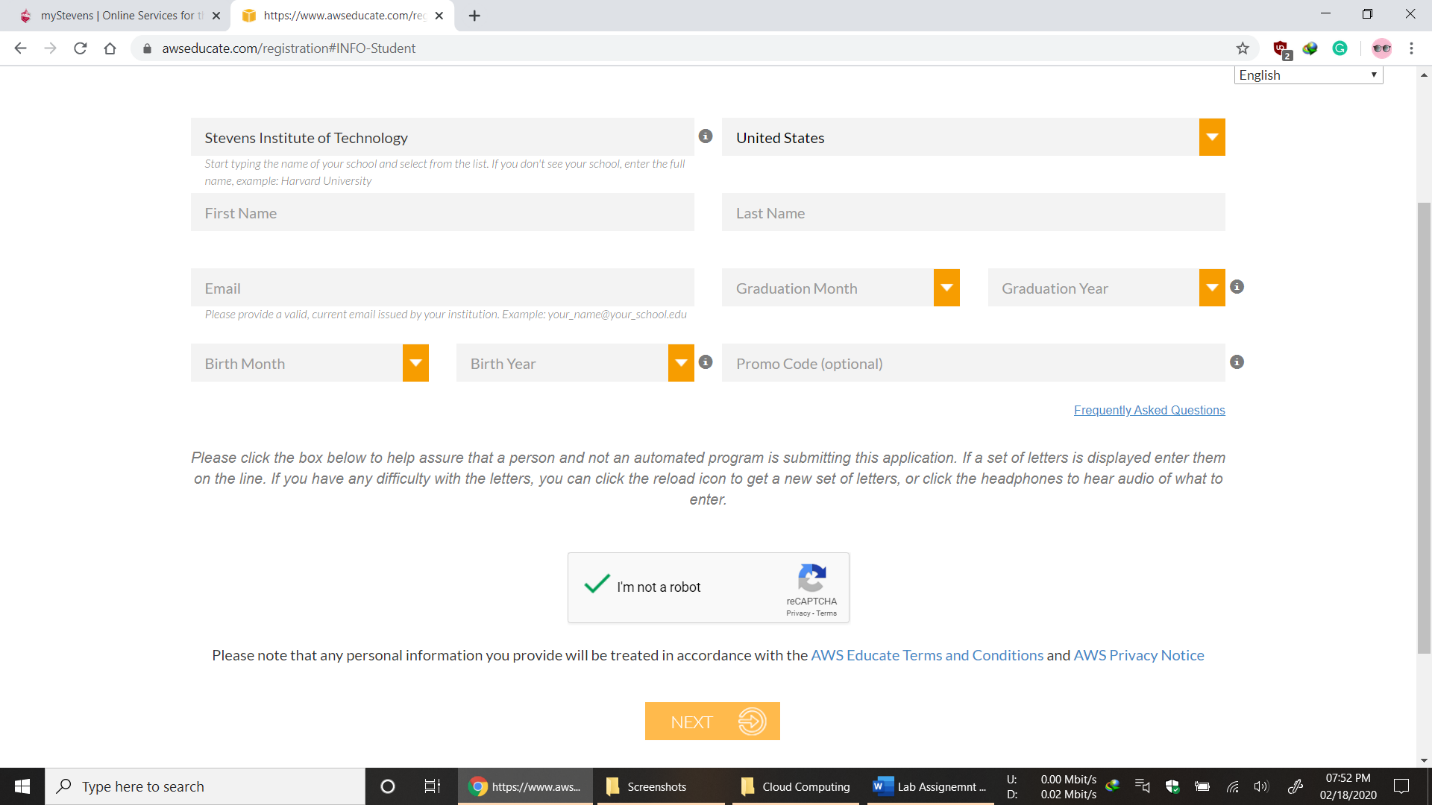
* Signup for AWS Educate for Students



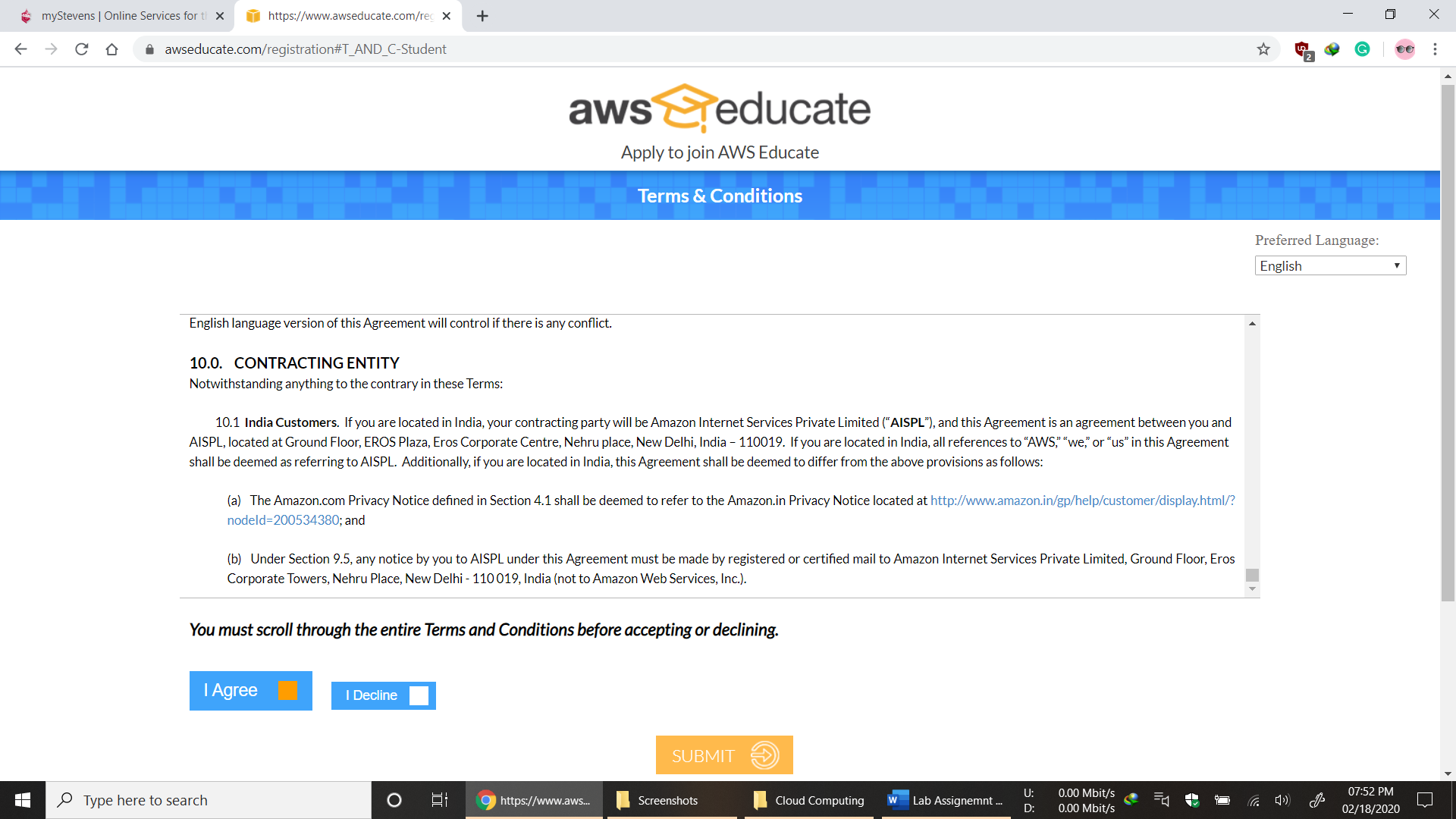
* Choose Role as Student



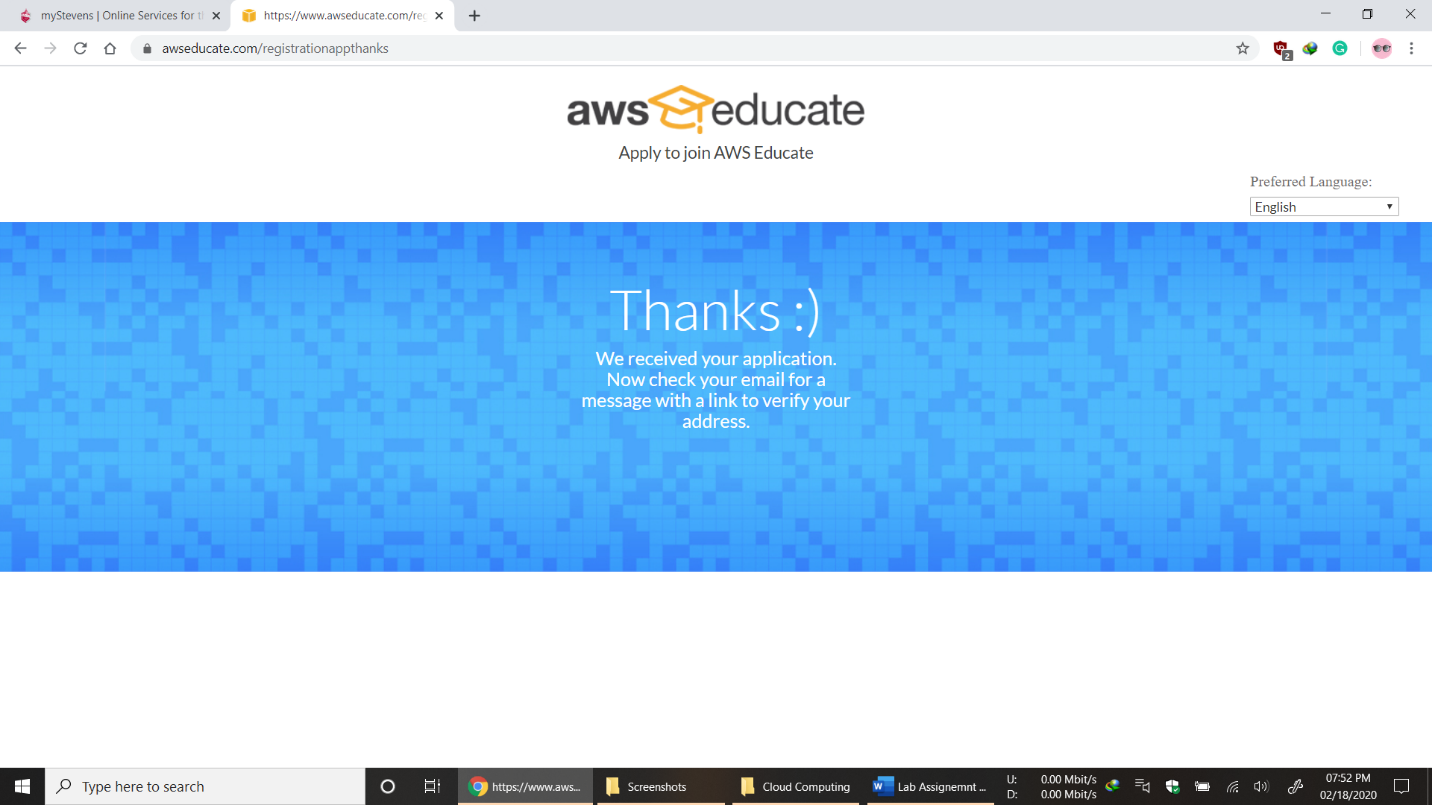
* Fill in Student Details



* Agree to terms and condition

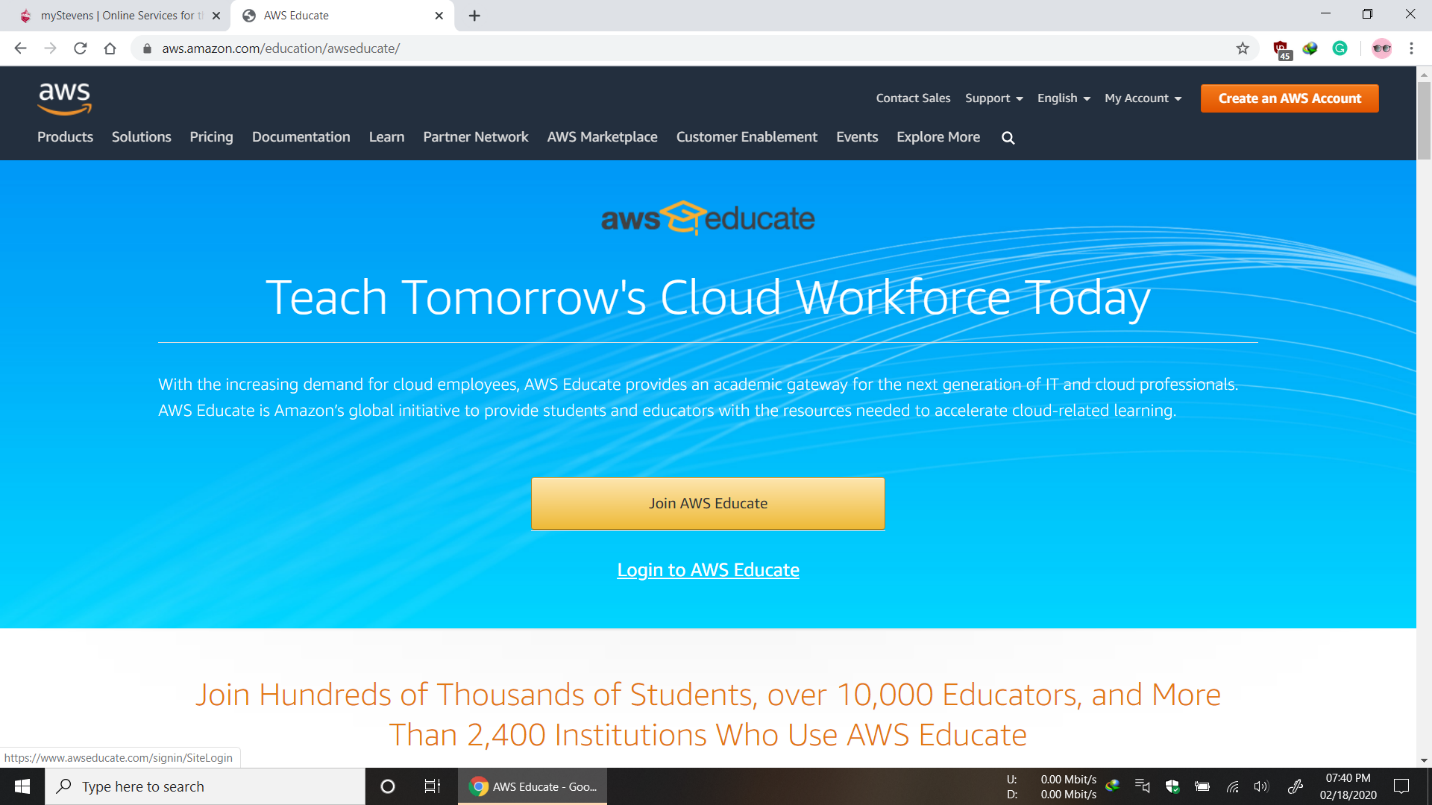


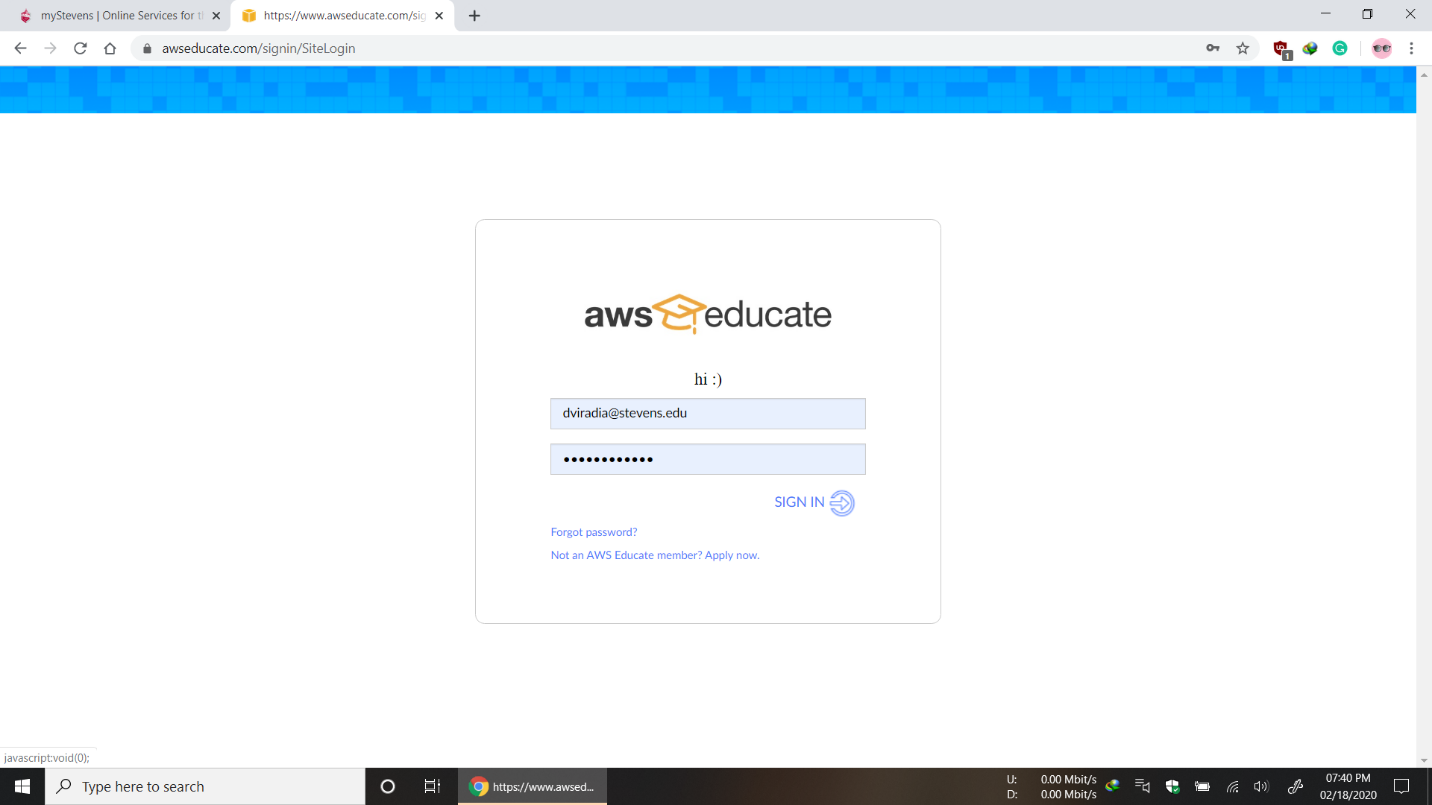
* Verify mail and Set Password



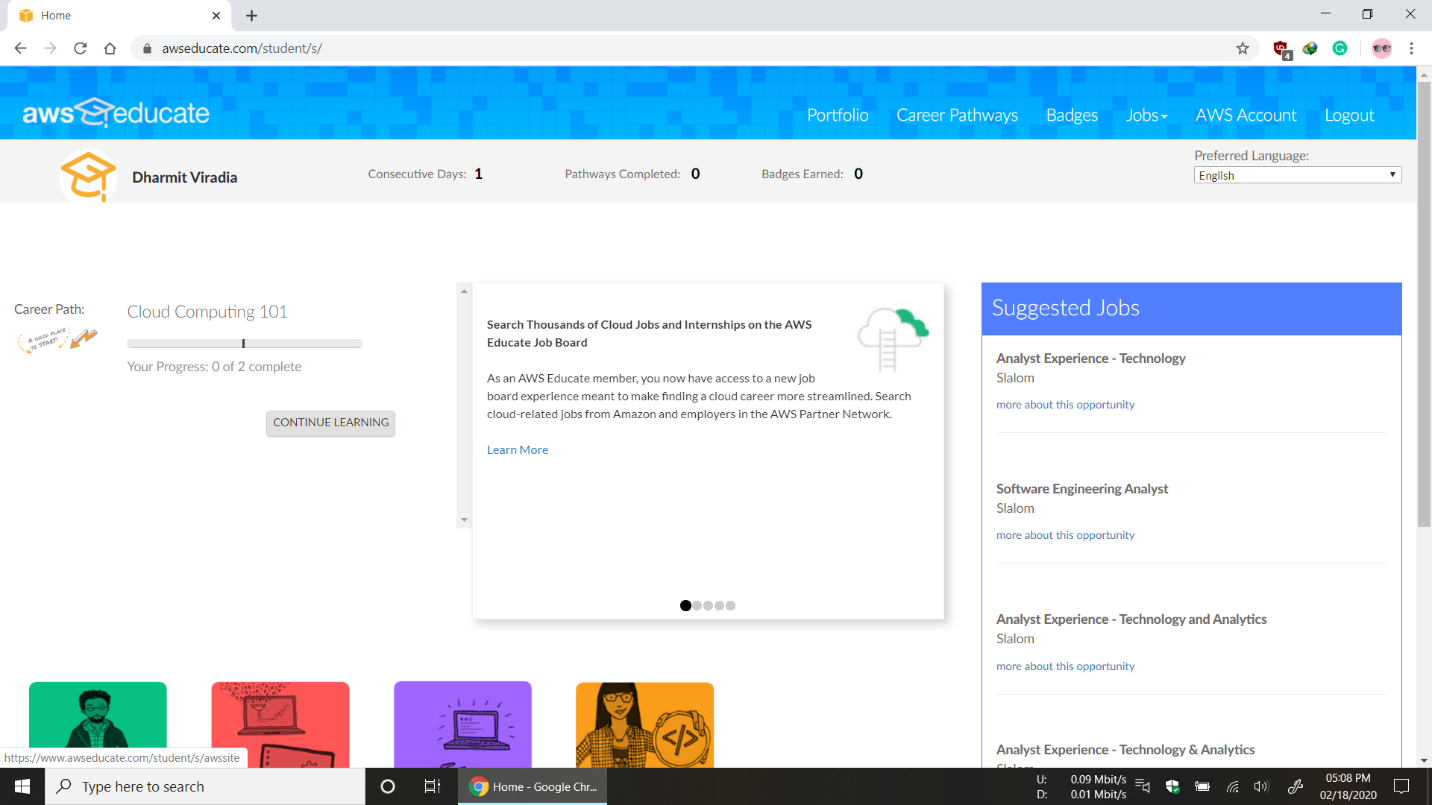
**Step for Creating and Launching AWS instance**

* Login to AWS Educate Account

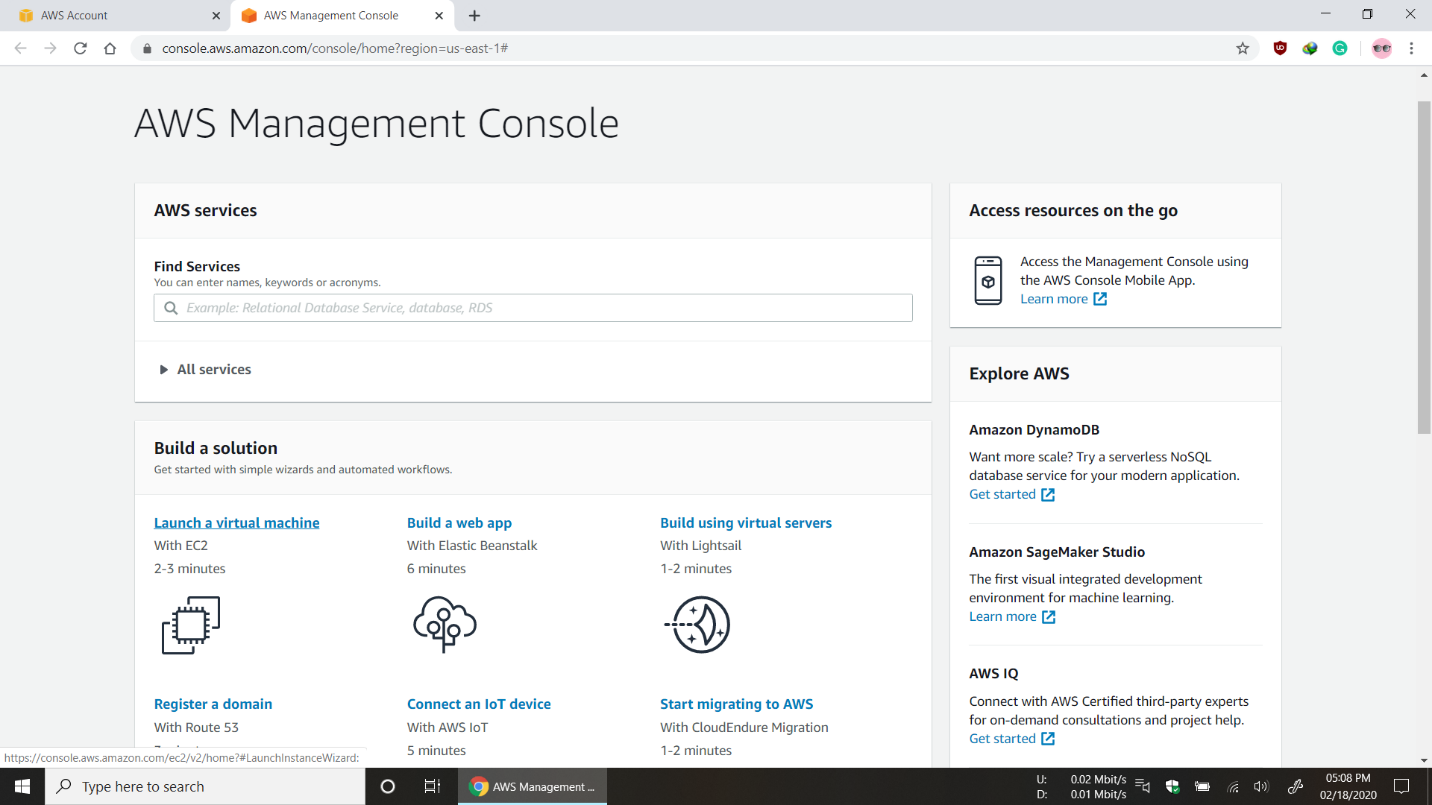




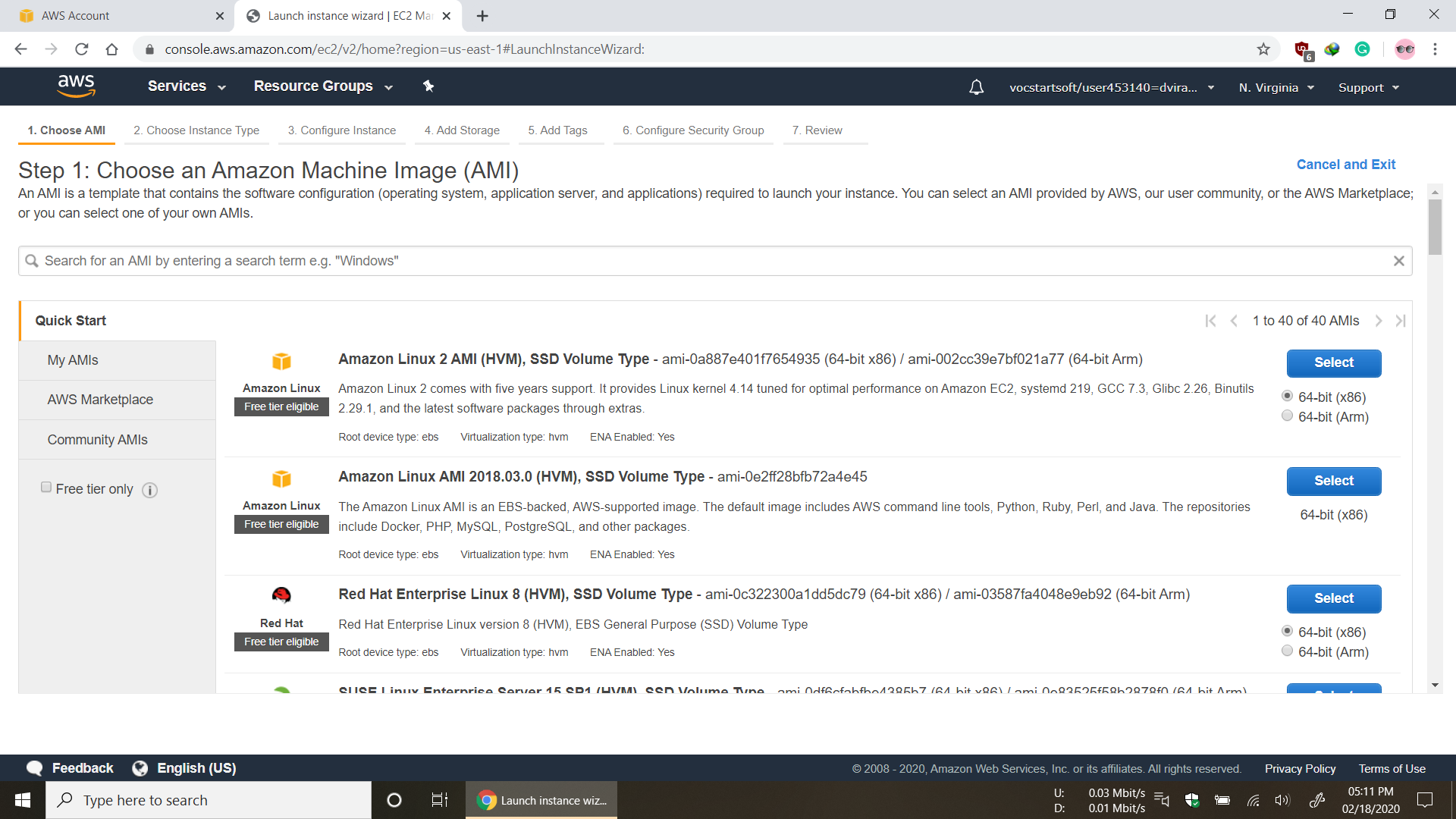
* Go to AWS Account



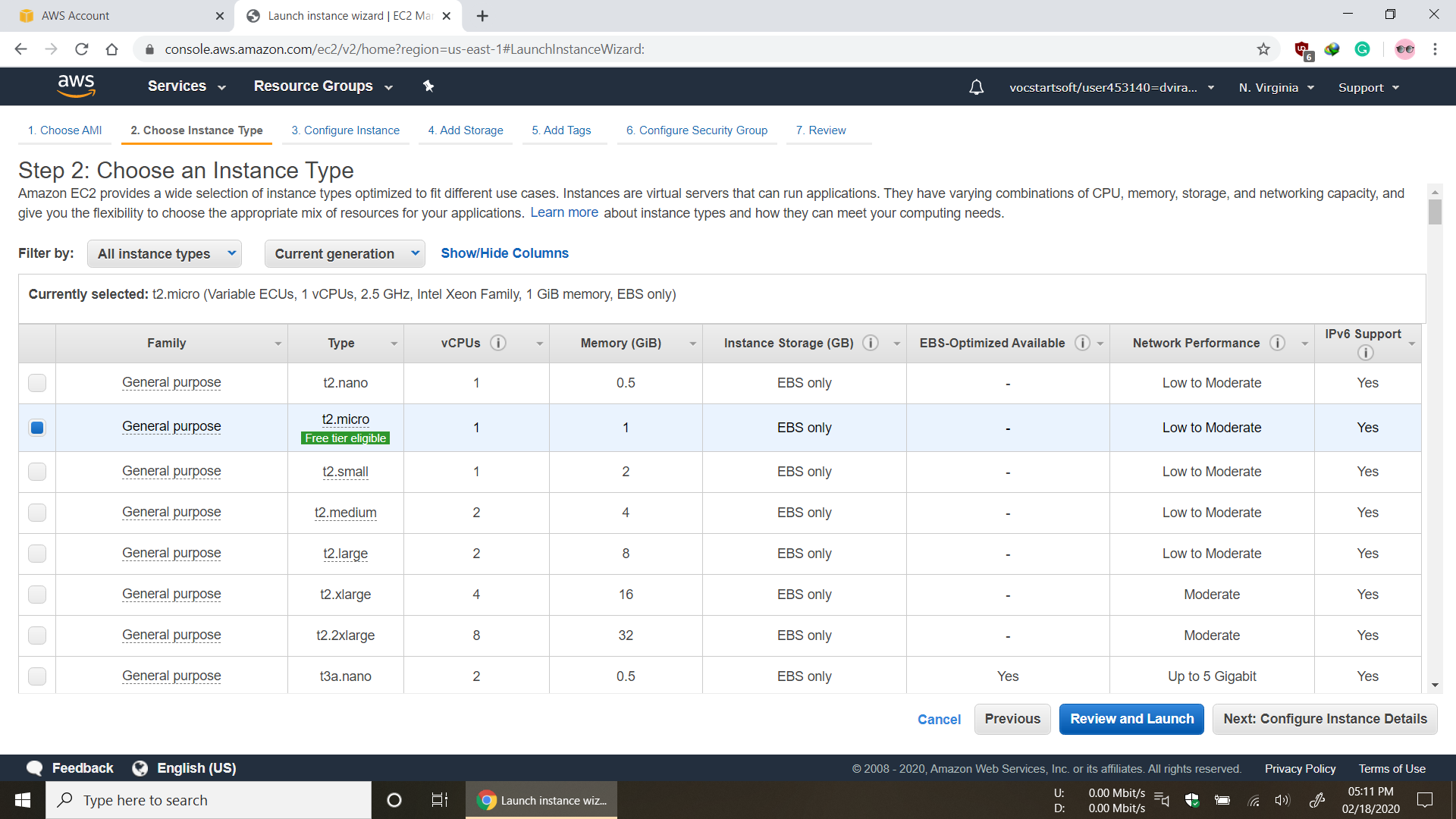
* Launch Virtual Machine



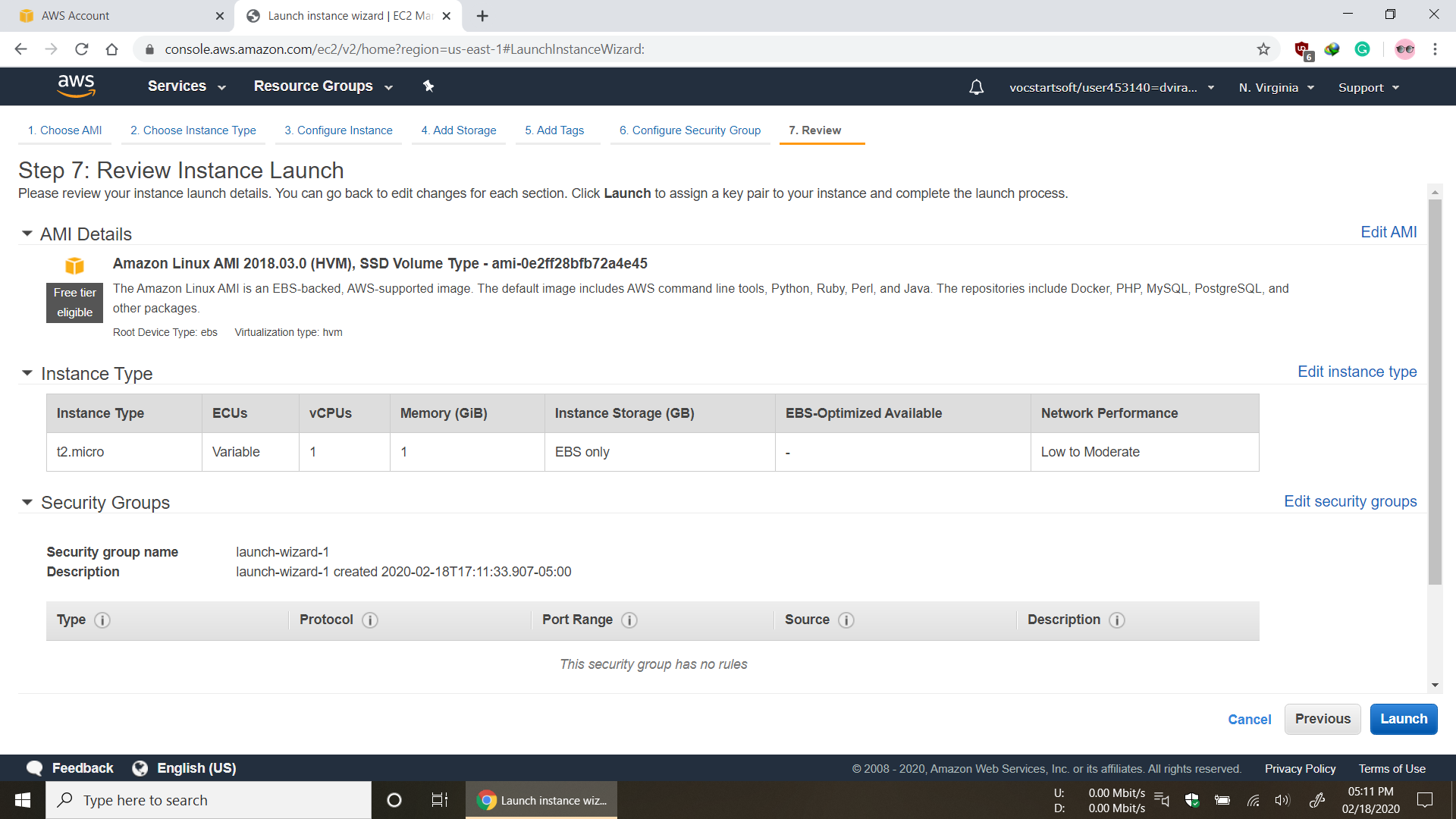
* Select Amazon Linux AMI



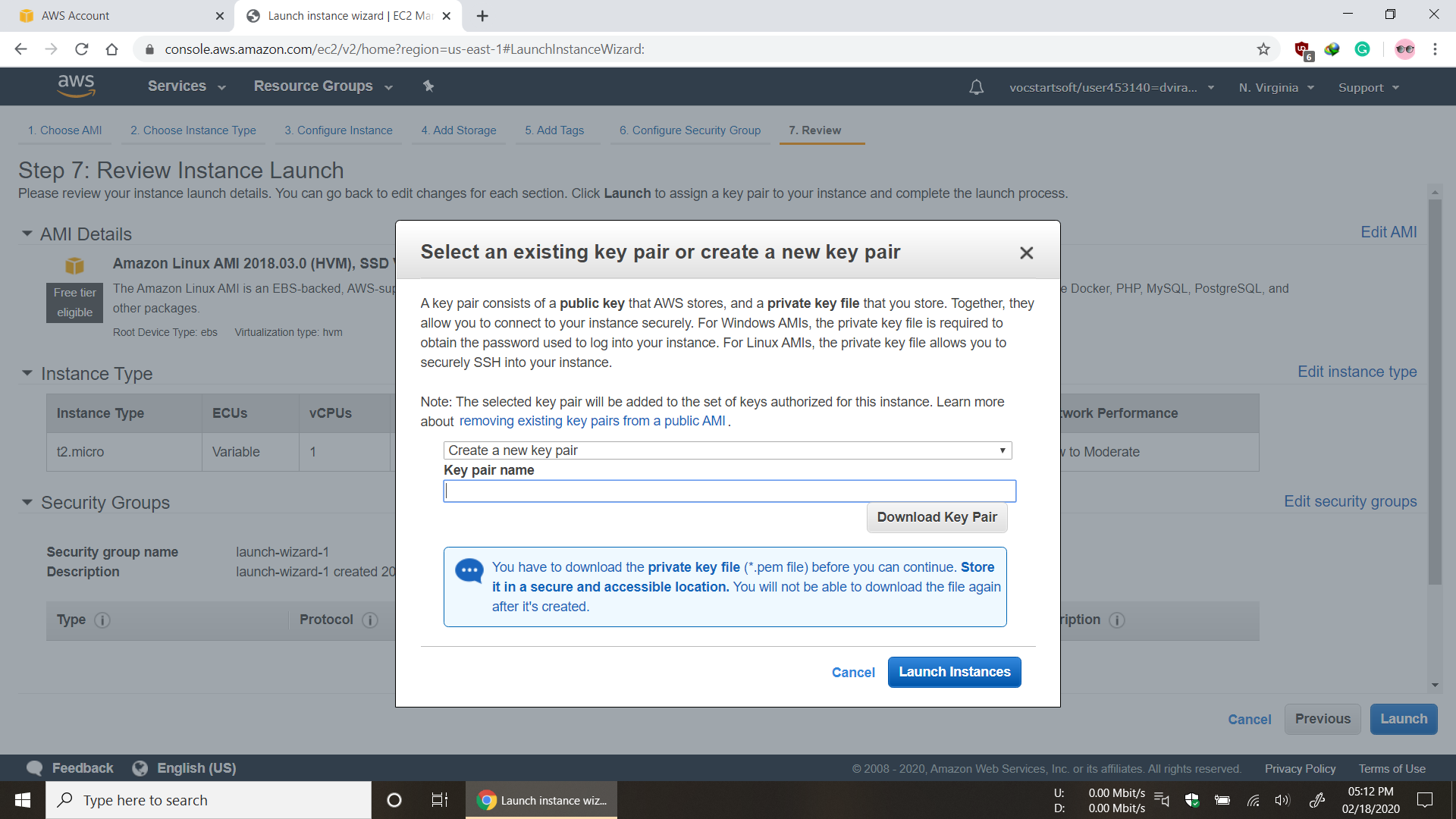
* Select Type t2.micro and review and launch



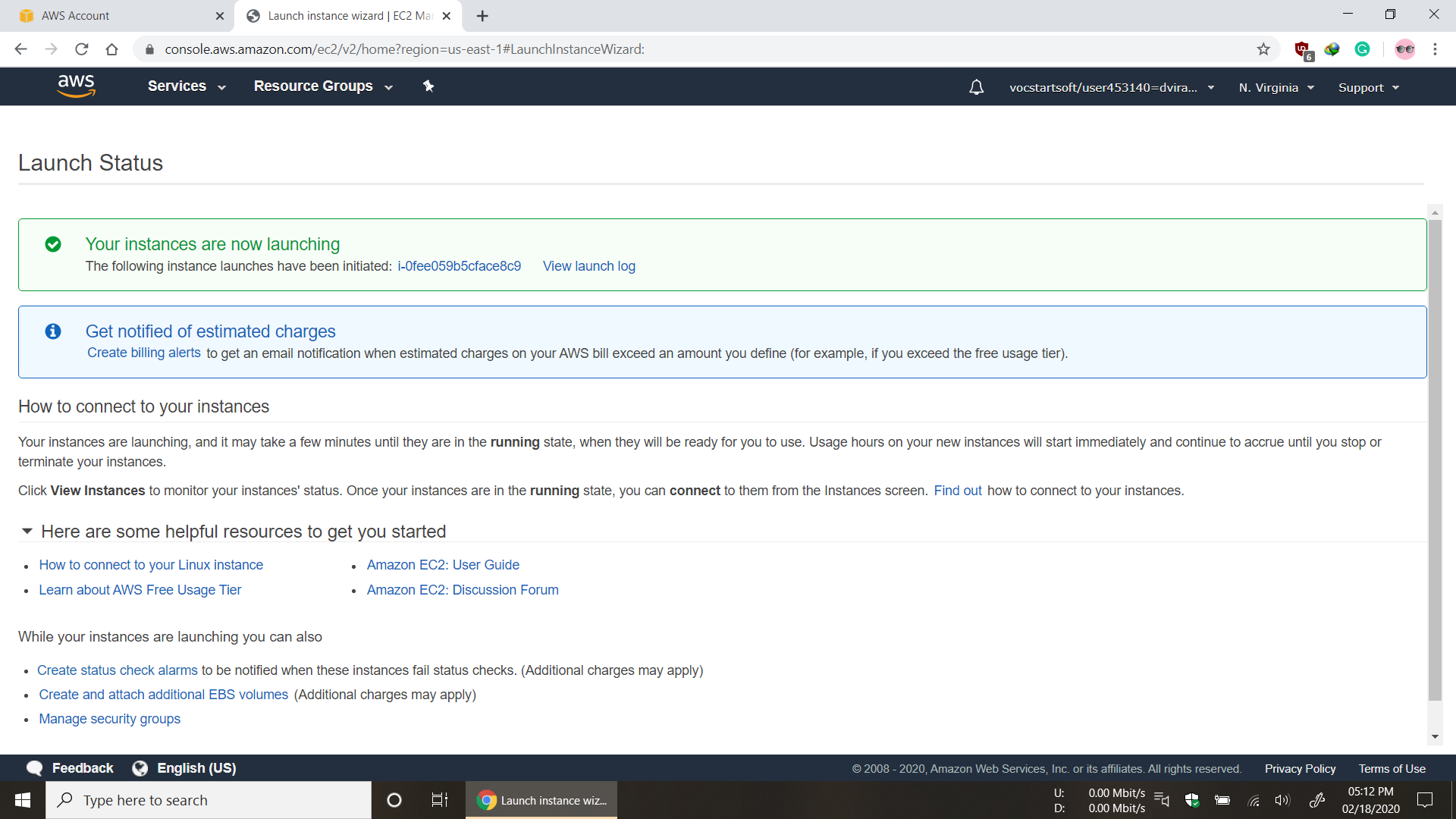
* Launch EC2 Instance



* Create Key Pair



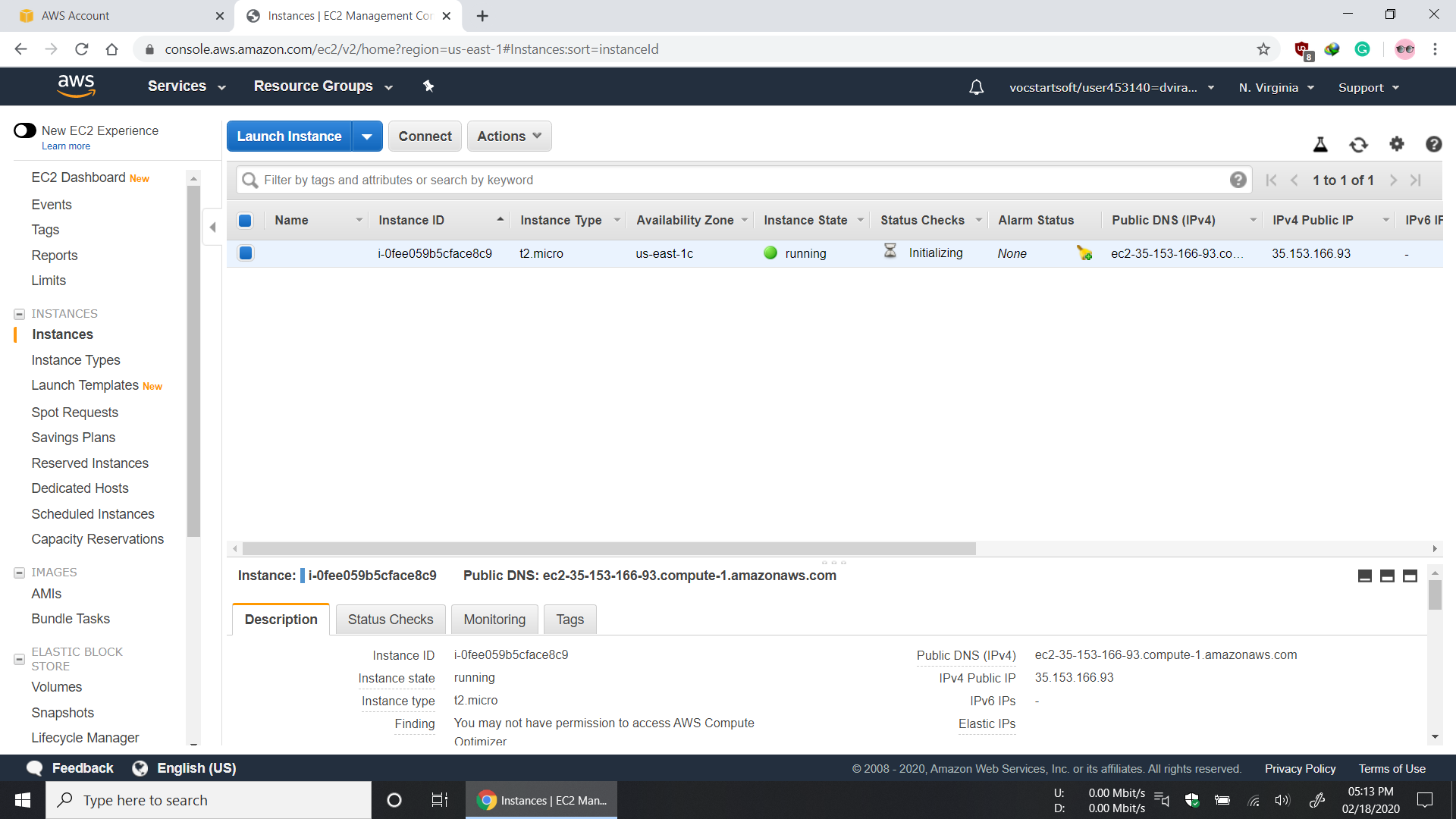
* EC2 Instance is Ready

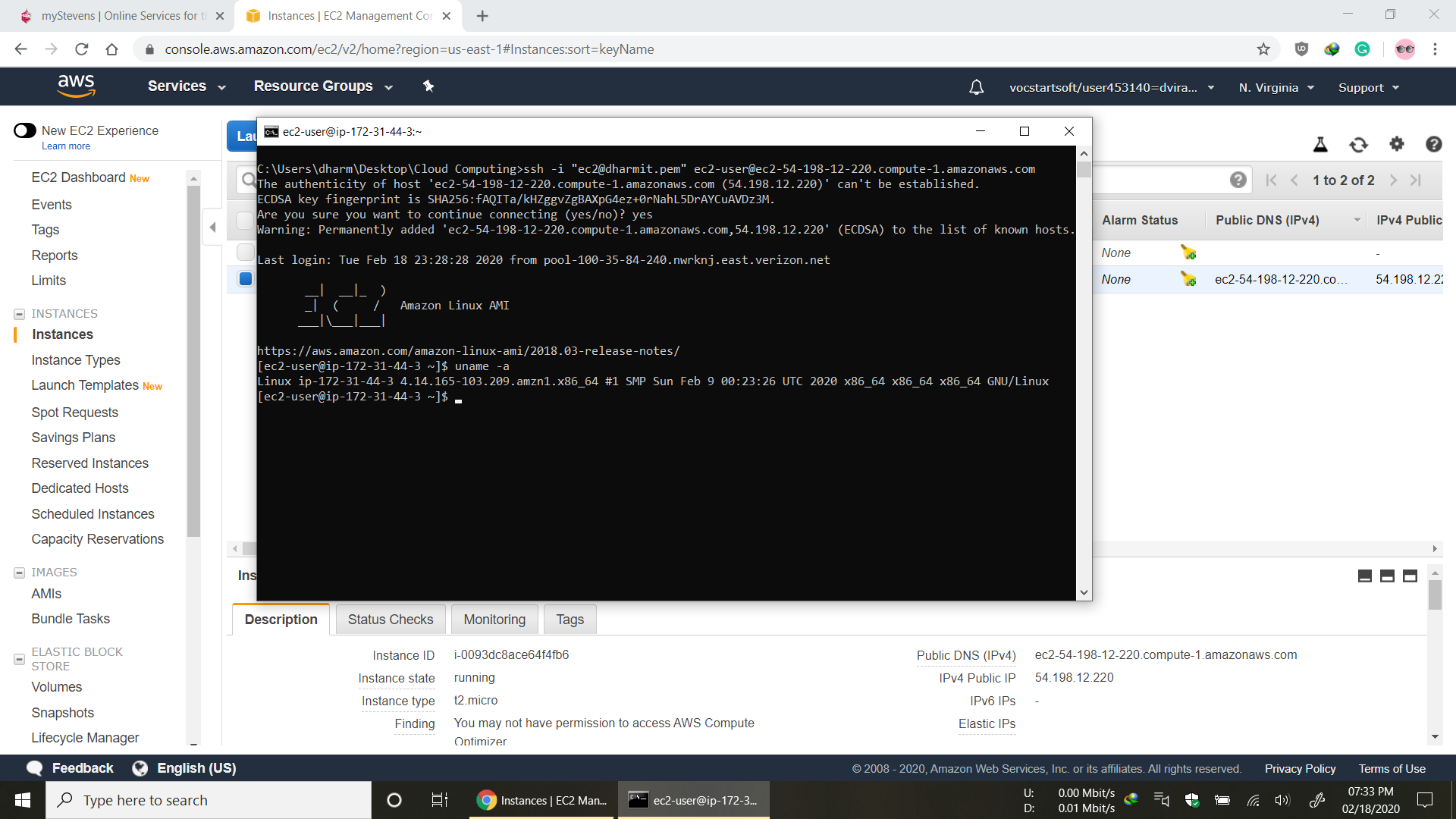


**Step for Accessing AWS instance**

* Establishing connection with EC2 Instance by executing below command using ssh

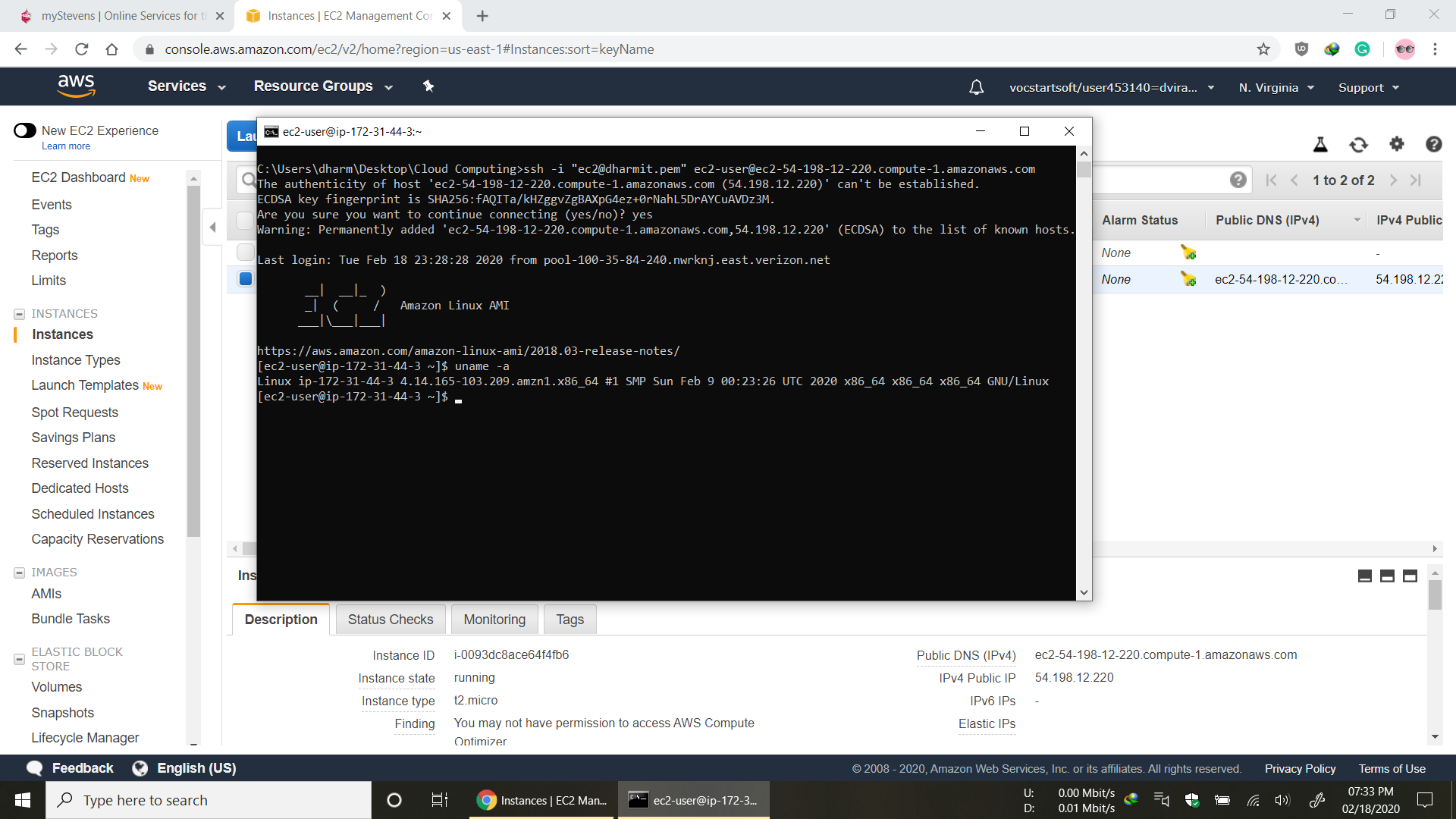
**ssh -i "key.pem"** [**ec2-user@ec2-54-87-255-14.compute-1.amazonaws.com**](mailto:ec2-user@ec2-54-87-255-14.compute-1.amazonaws.com)

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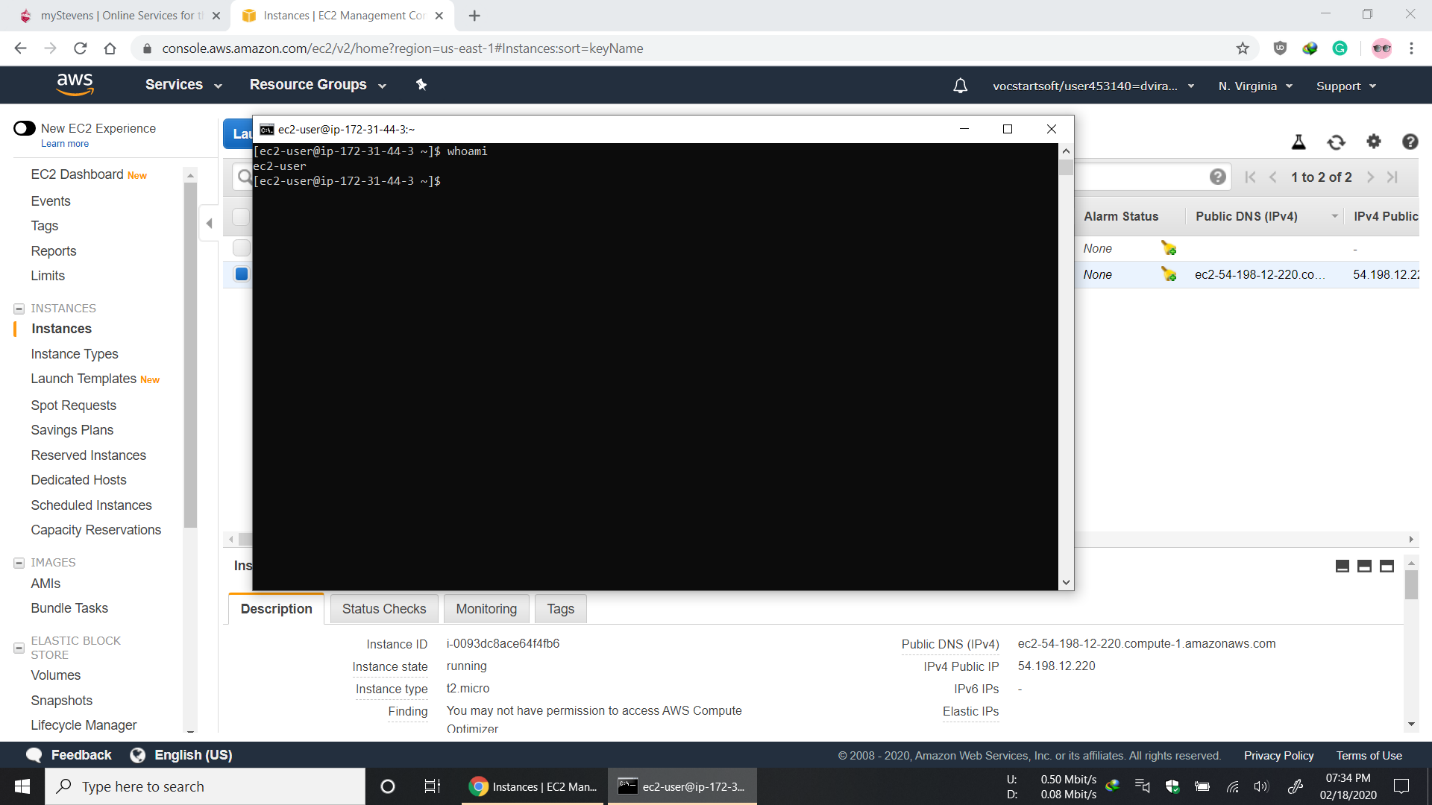
**AWS instance Commands**

* uname –a



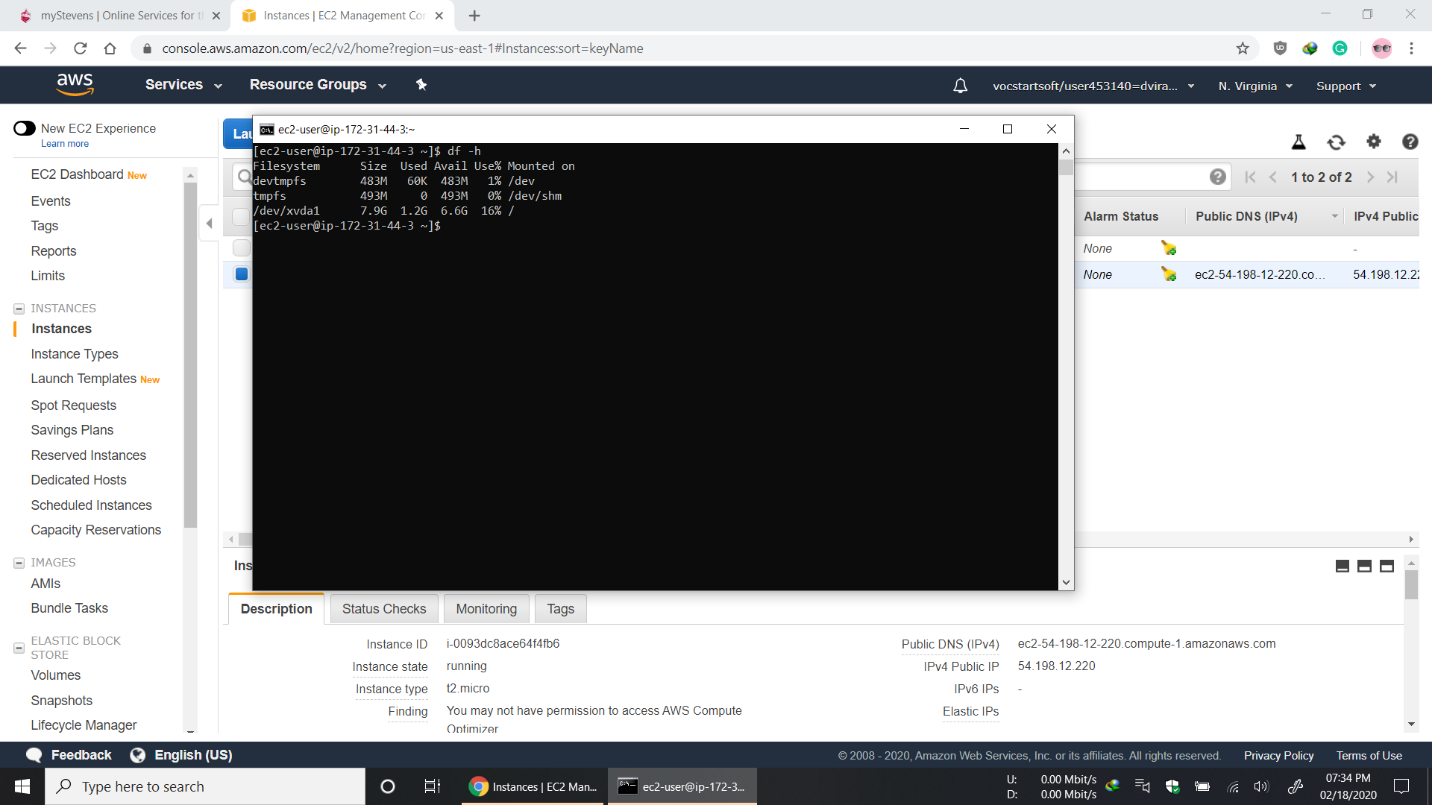
Print information about the current system -a prints all information

* whoami



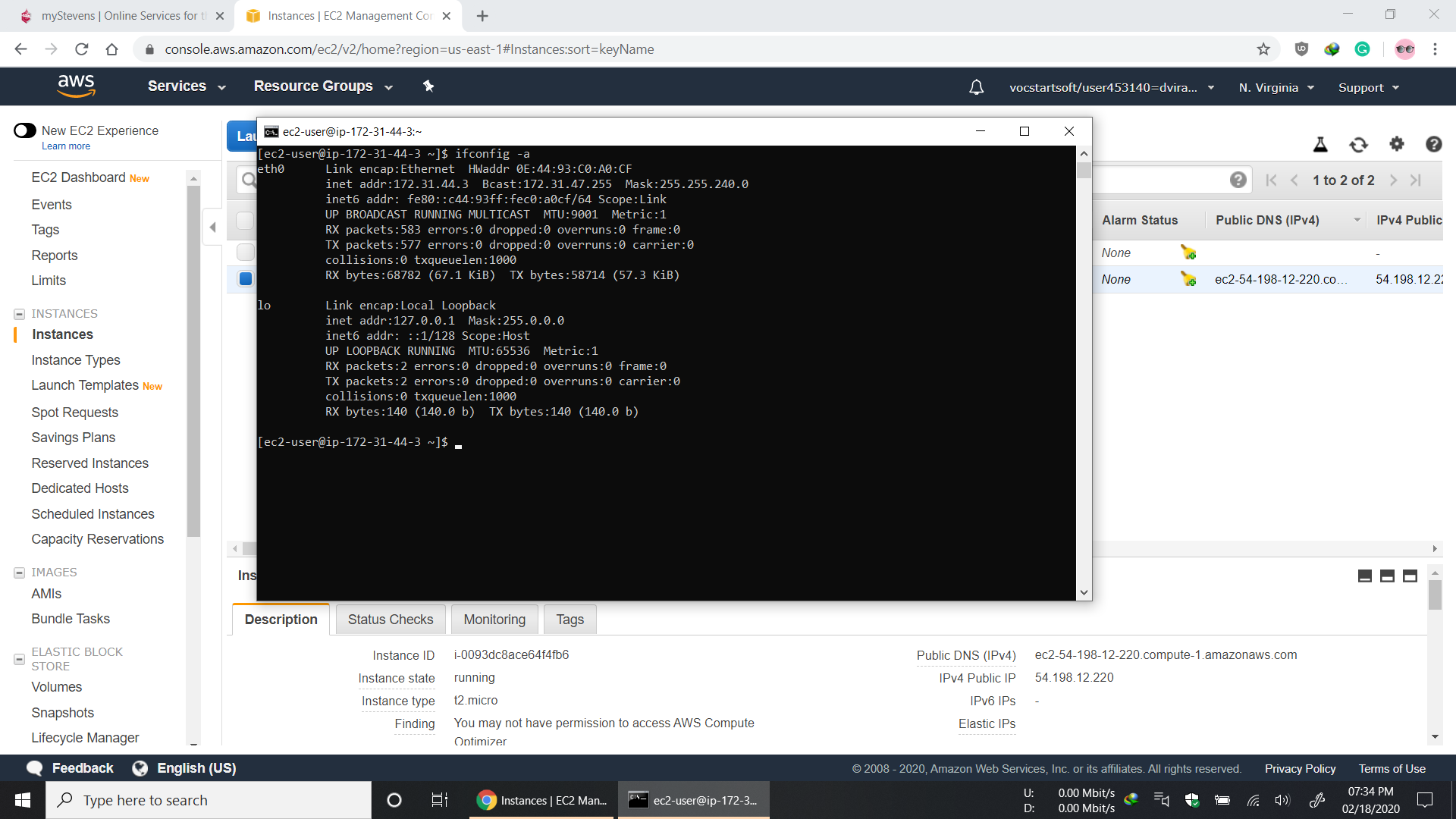
whoami prints the effective user ID

* df -h



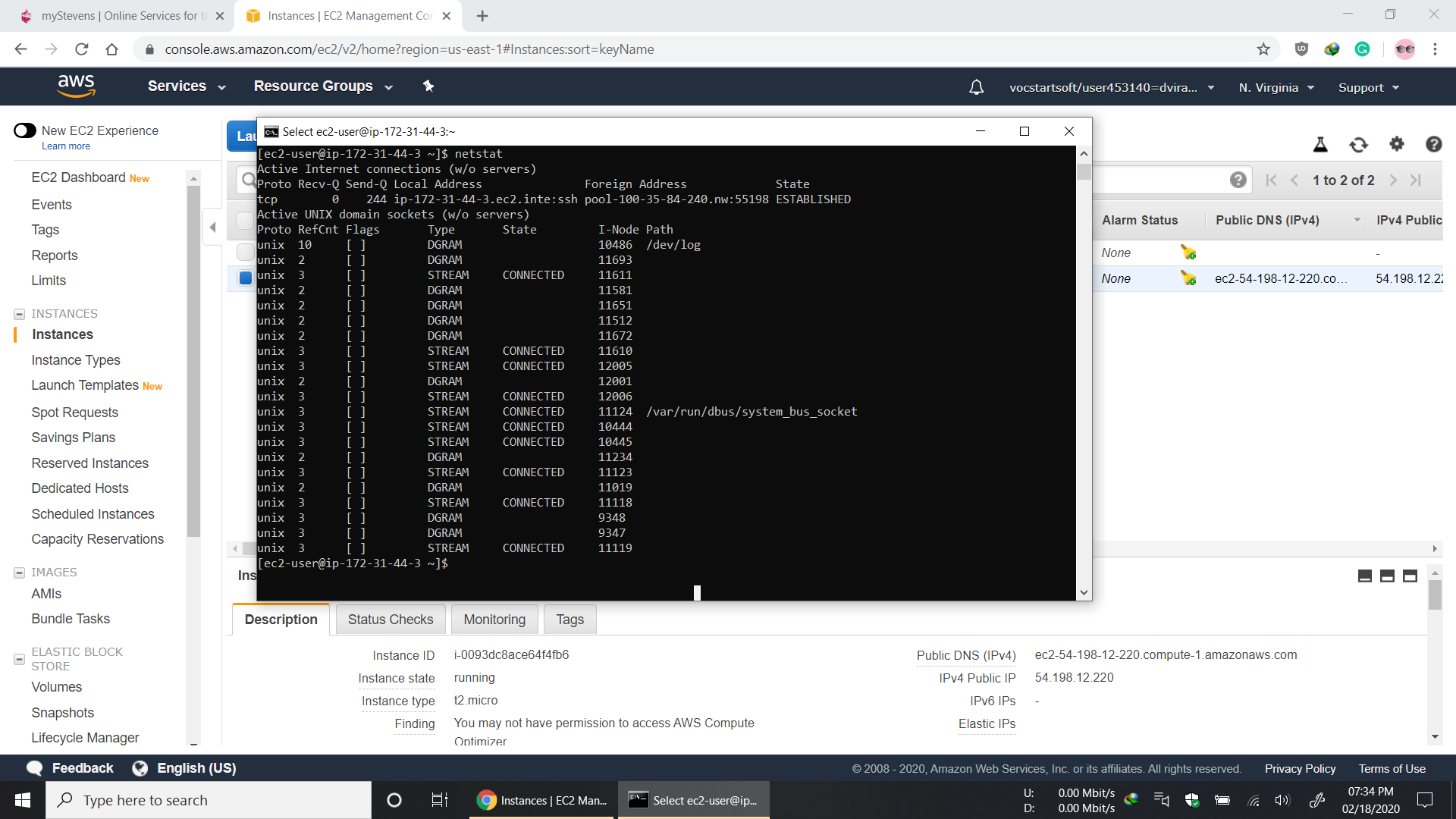
df displays the amount of disk space available on the file system containing each file name argument, -h print sizes in human readable format.

* ifconfig -a



ifconfig –a: it displays the status of all interfaces, even those that are down

* netstat



The netstat command is used to print network connections, routing tables, interface statistics, masquerade connections, and multicast memberships.