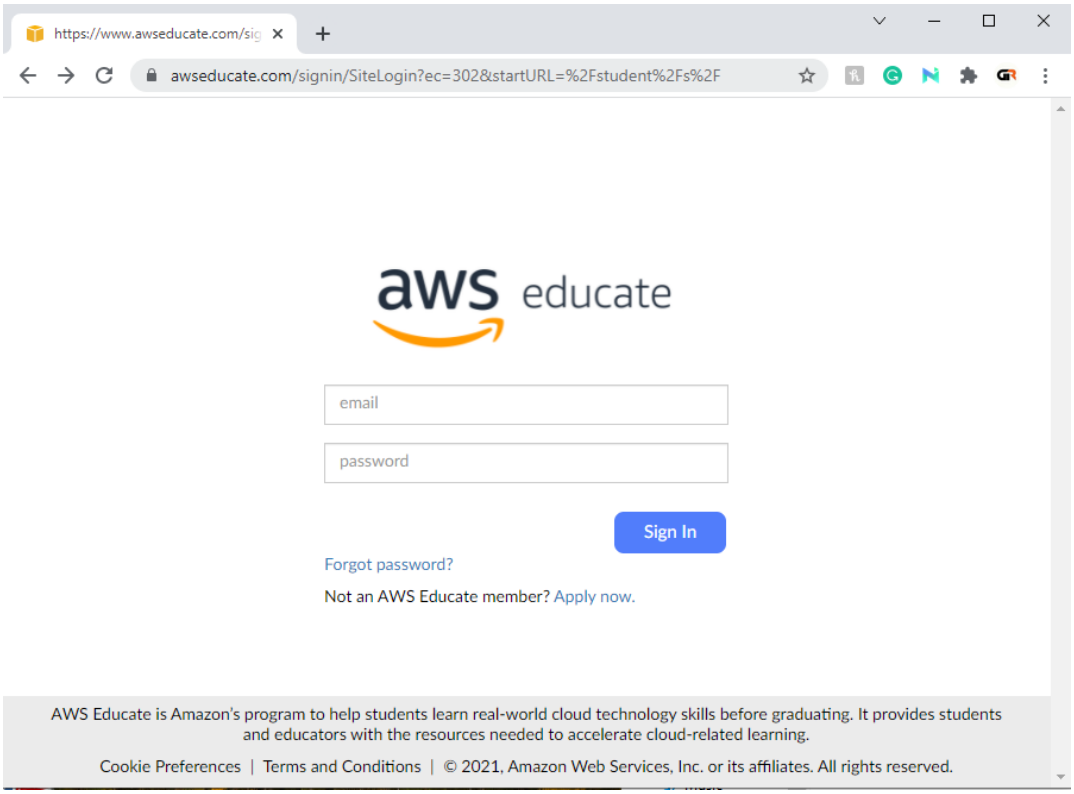
Hello World

Augur: Open Source Software Health and Sustainability Metrics Tool

Justin Nguyen, Noah Free, Ryan Bell, Greg Ryterski

CS 4320 – Software Engineering | 11/21/2021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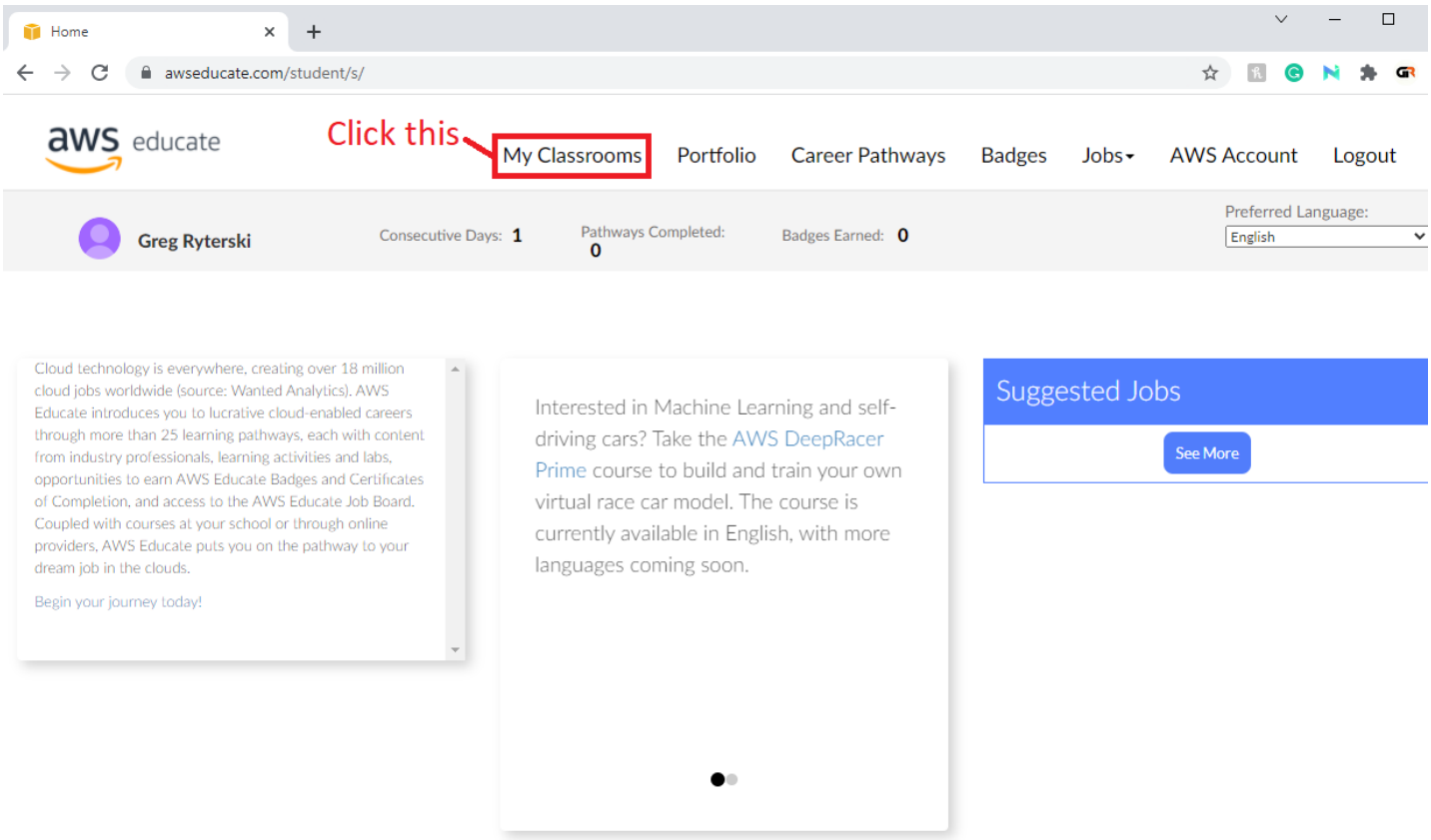
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Click this
My Classrooms
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Greg Ryterski
Consecutive Days: 1
Pathways Completed: 0
Badges Earned: 0
Preferred Language:
English
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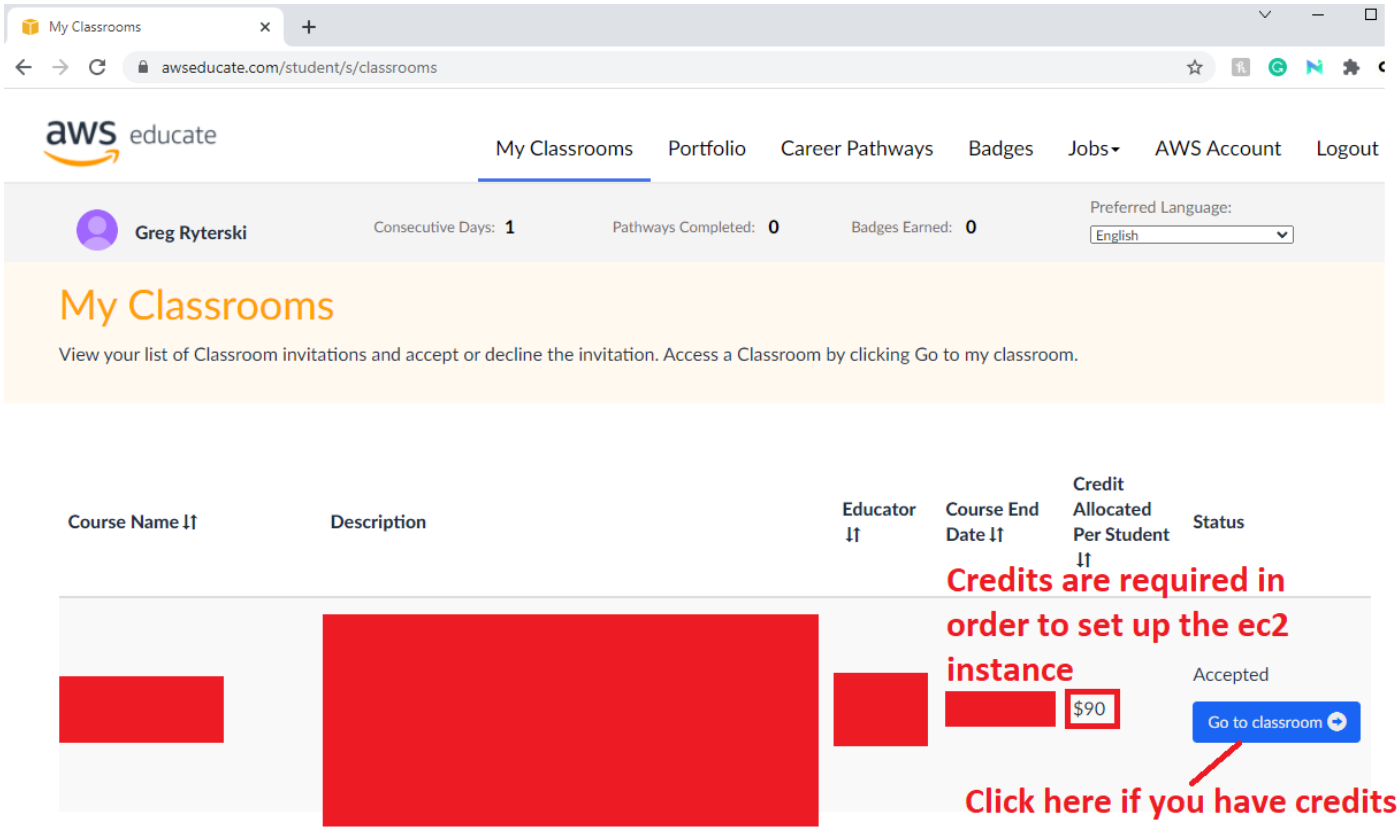
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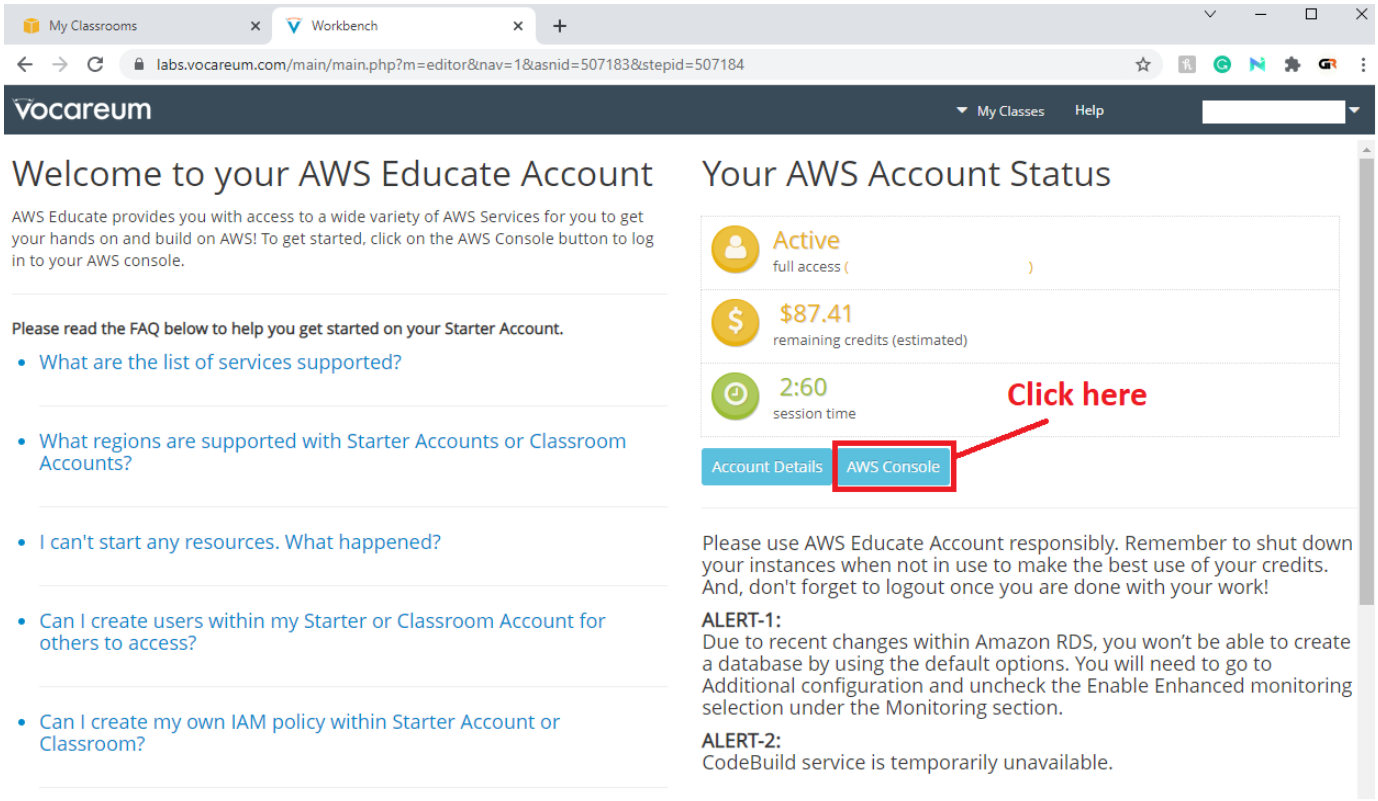
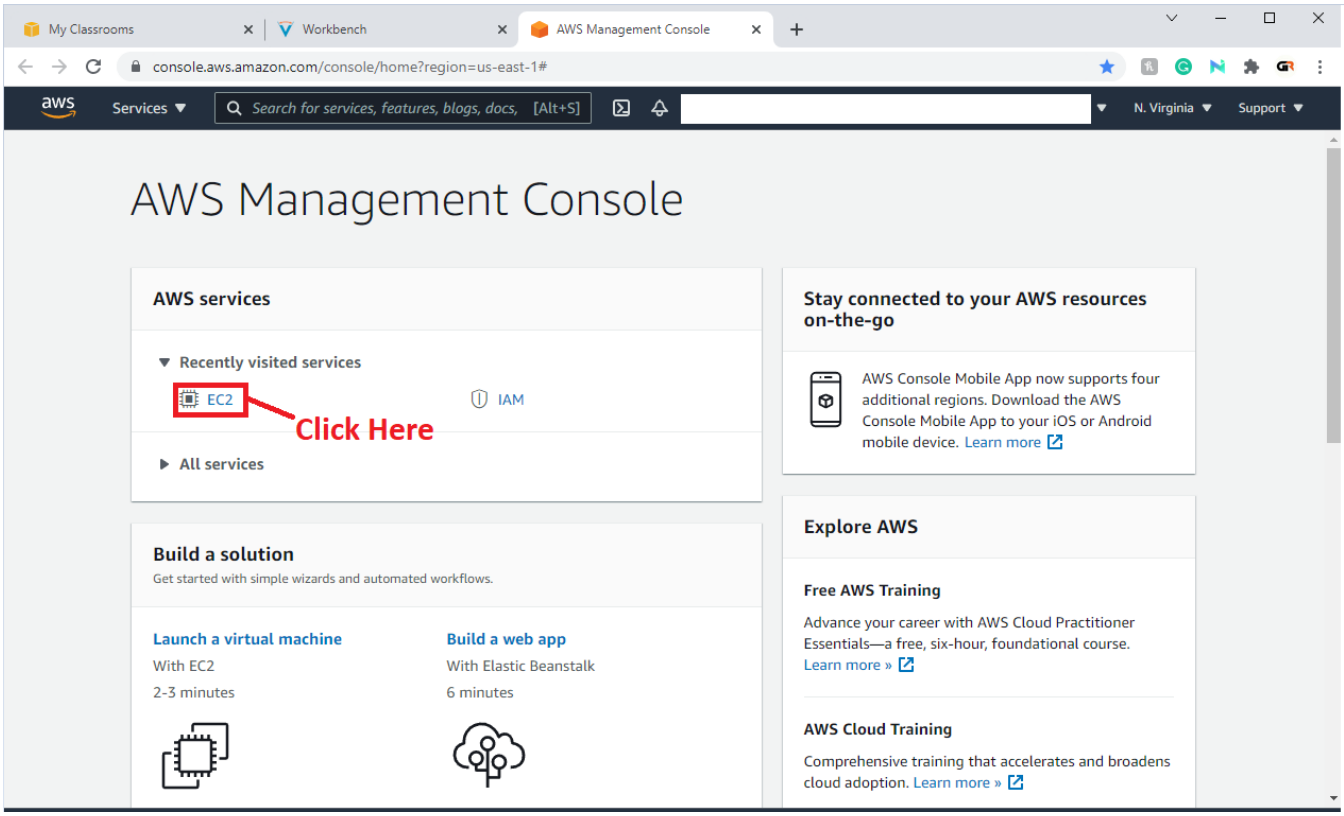
My Classrooms
View your list of Classroom invitations and accept or decline the invitation. Access a Classroom by clicking Go to my classroom.
Course Name
Description
Educator
Course End Date
Credit Allocated Per Student
Status
Credits are required in order to set up the ec2 instance
$90
Accepted
Go to classroom
Click here if you have credits


My Classrooms
Workbench
labs.vocareum.com/main/main.php?m=editor&nav=1&asnid=507183&stepid=507184
vocareum
My Classes
Help
Welcome to your AWS Educate Account
AWS Educate provides you with access to a wide variety of AWS Services for you to get your hands on and build on AWS! To get started, click on the AWS Console button to log in to your AWS console.
Please read the FAQ below to help you get started on your Starter Account.
What are the list of services supported?
What regions are supported with Starter Accounts or Classroom Accounts?
I can't start any resources. What happened?
Can I create users within my Starter or Classroom Account for others to access?
Can I create my own IAM policy within Starter Account or Classroom?
Your AWS Account Status
Active
full access
$87.41
remaining credits (estimated)
2:60
session time
Click here
Account Details
AWS Console
Please use AWS Educate Account responsibly. Remember to shut down your instances when not in use to make the best use of your credits. And, don't forget to logout once you are done with your work!
ALERT-1:
Due to recent changes within Amazon RDS, you won't be able to create a database by using the default options. You will need to go to Additional configuration and uncheck the Enable Enhanced monitoring selection under the Monitoring section.
ALERT-2:
CodeBuild service is temporarily unavailable.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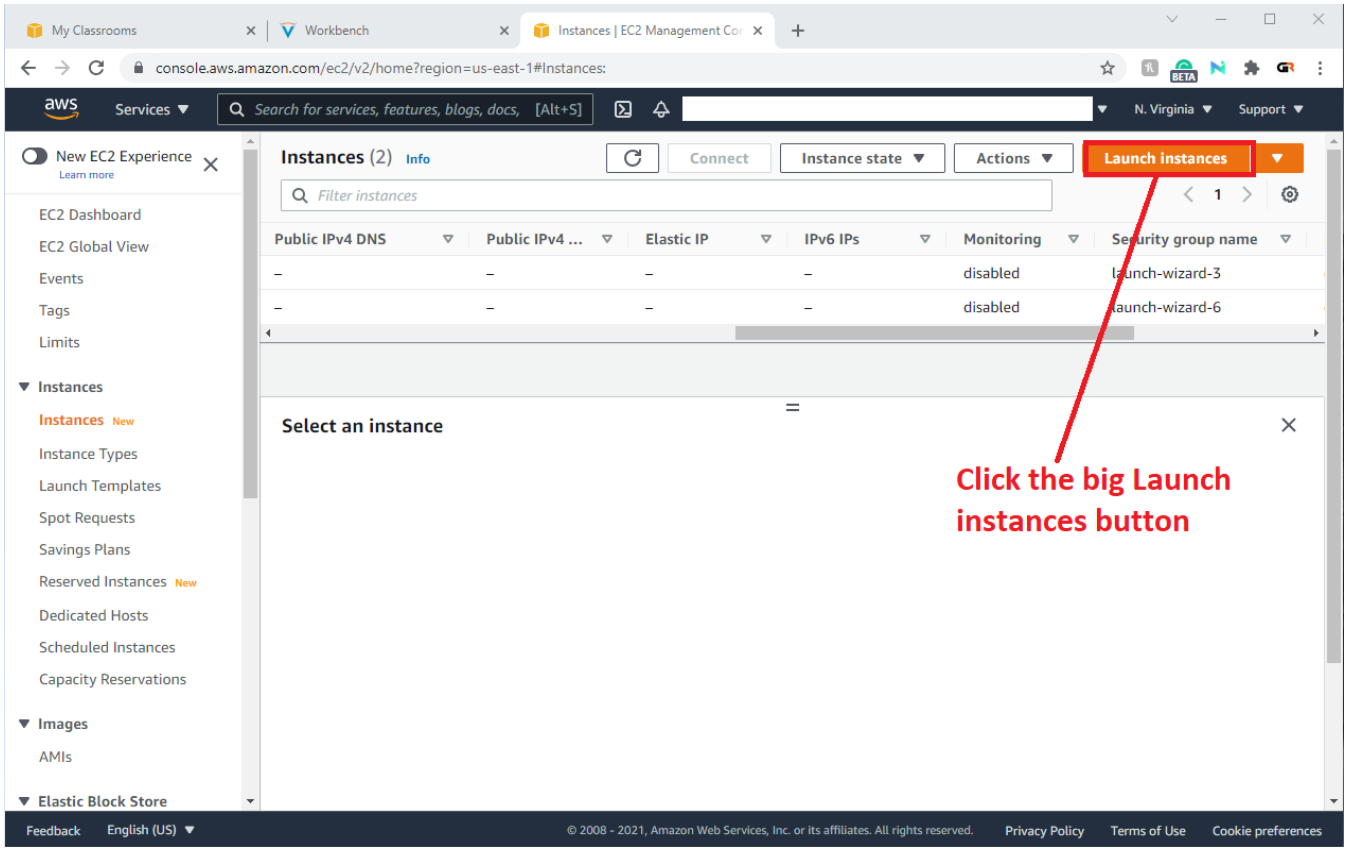
Workbench
AWS Management Console
console.aws.amazon.com/console/home?region=us-east-1#
Services
Search for services, features, blogs, docs, [Alt+S]
N. Virginia
Support
AWS Management Console
AWS services
Recently visited services
EC2
IAM
Click Here
All services
Stay connected to your AWS resources on-the-go
AWS Console Mobile App now supports four additional regions. Download the AWS Console Mobile App to your iOS or Android mobile device. Learn more
Build a solution
Get started with simple wizards and automated workflows.
Launch a virtual machine
With EC2
2-3 minutes
Build a web app
With Elastic Beanstalk
6 minutes
Explore AWS
Free AWS Training
Advance your career with AWS Cloud Practitioner Essentials—a free, six-hour, foundational course. Learn more »
AWS Cloud Training
Comprehensive training that accelerates and broadens cloud adoption. Learn more »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Workbench
Instances | EC2 Management Co
console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:
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Support
New EC2 Experience
Learn more
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Scheduled Instances
Capacity Reservations
Images
AMIs
Elastic Block Store
Instances (2) Info
Connect
Instance state
Actions
Launch instances
Filter instances
Public IPv4 DNS
Public IPv4 ...
Elastic IP
IPv6 IPs
Monitoring
Security group name
disabled
launch-wizard-3
disabled
launch-wizard-6
Select an instance
Click the big Launch instances button
Feedback
English (US)
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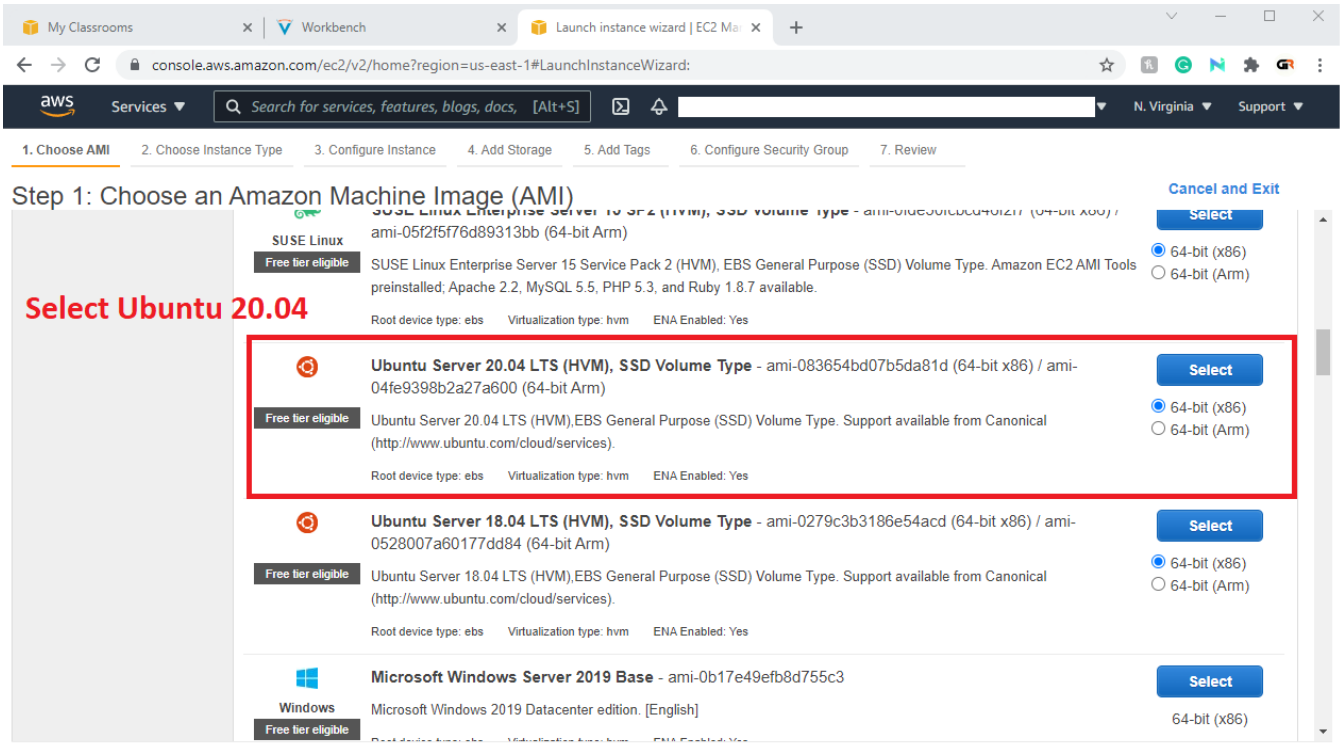
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Workbench
Launch instance wizard | EC2 Ma
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
aws
Services
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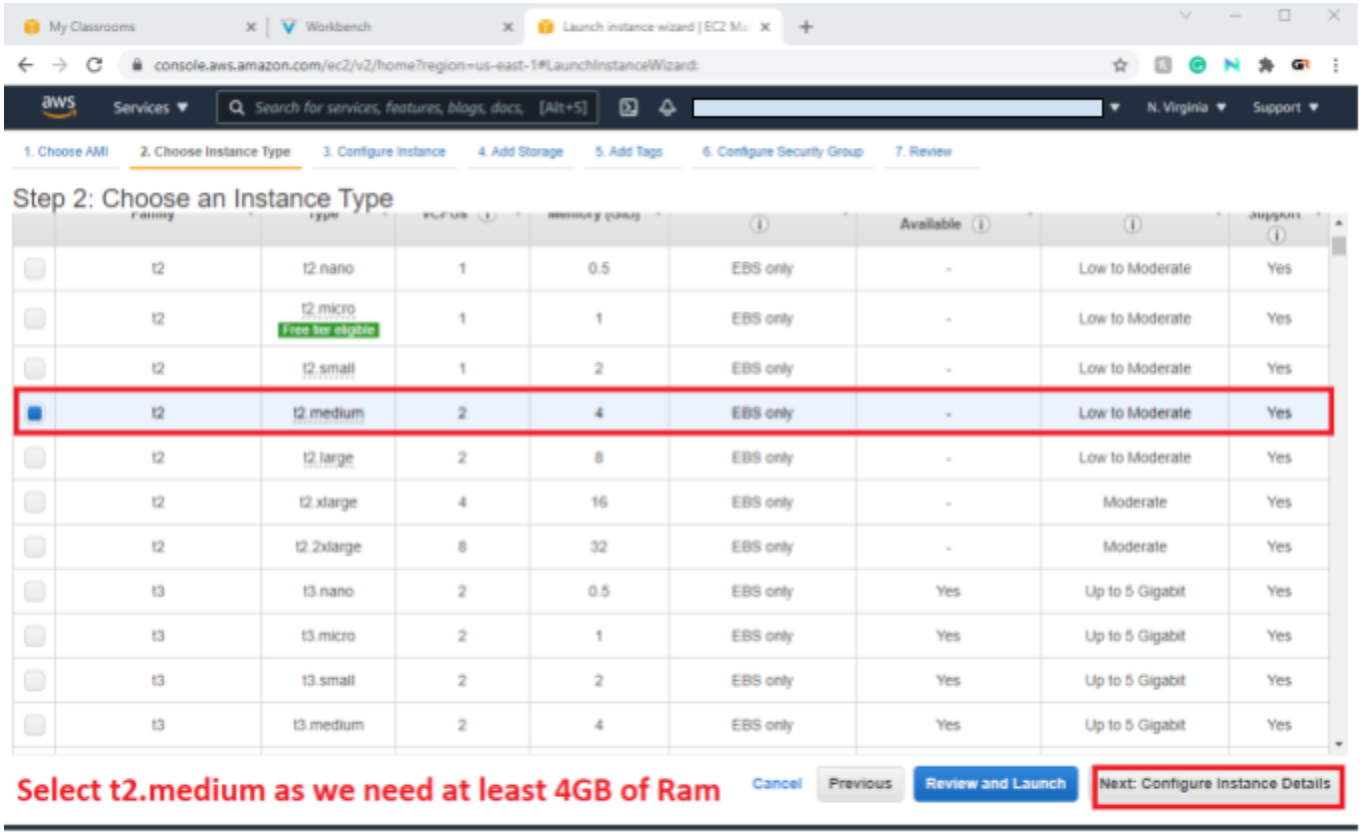
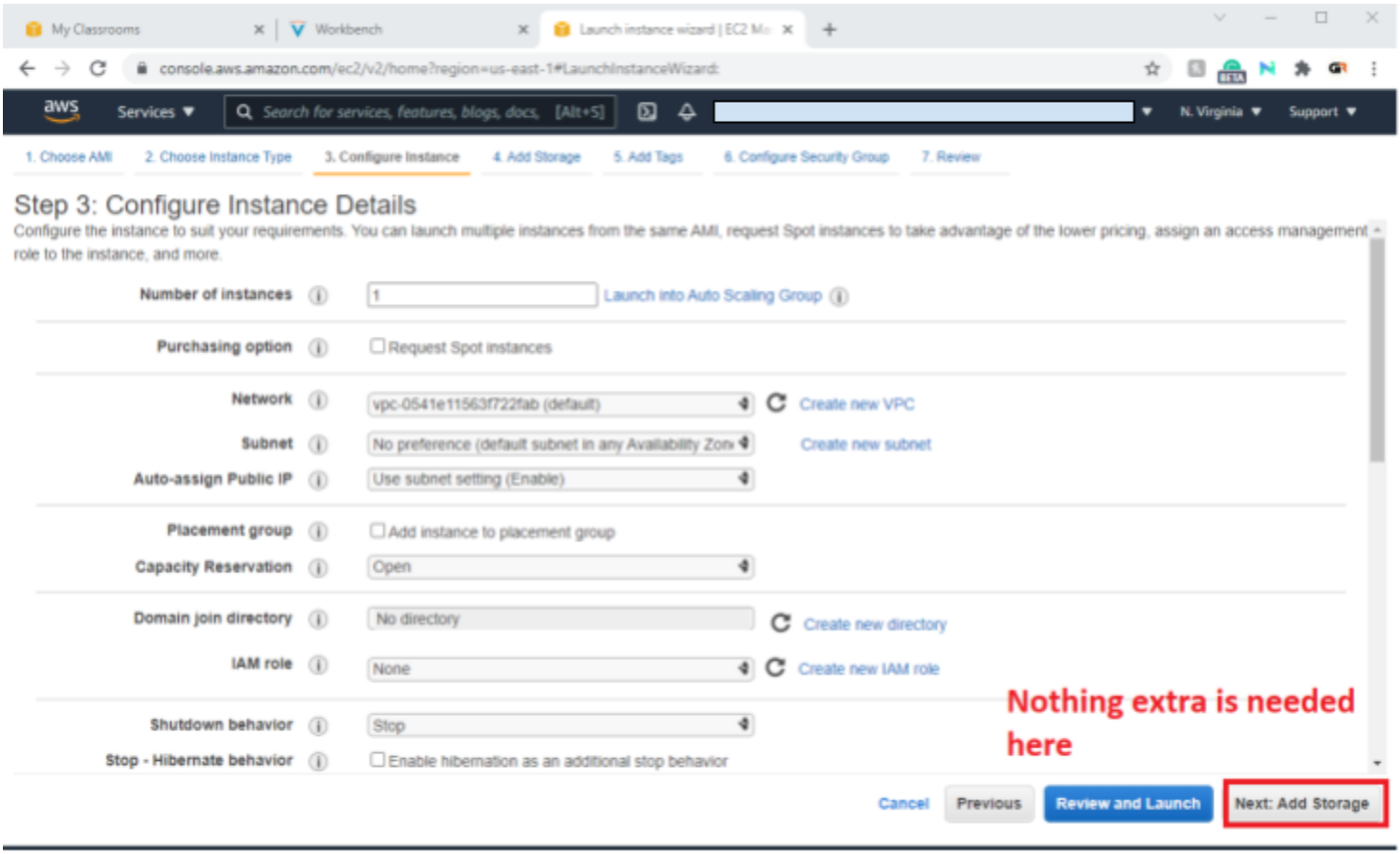
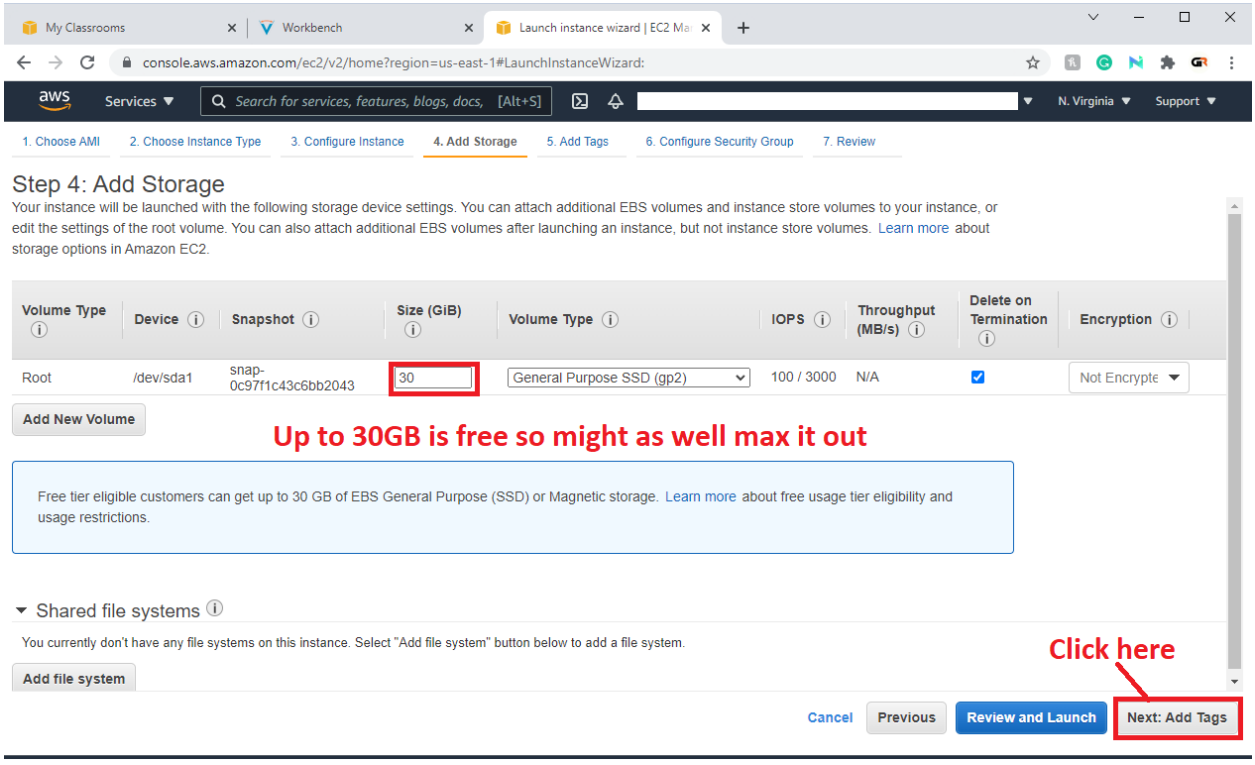
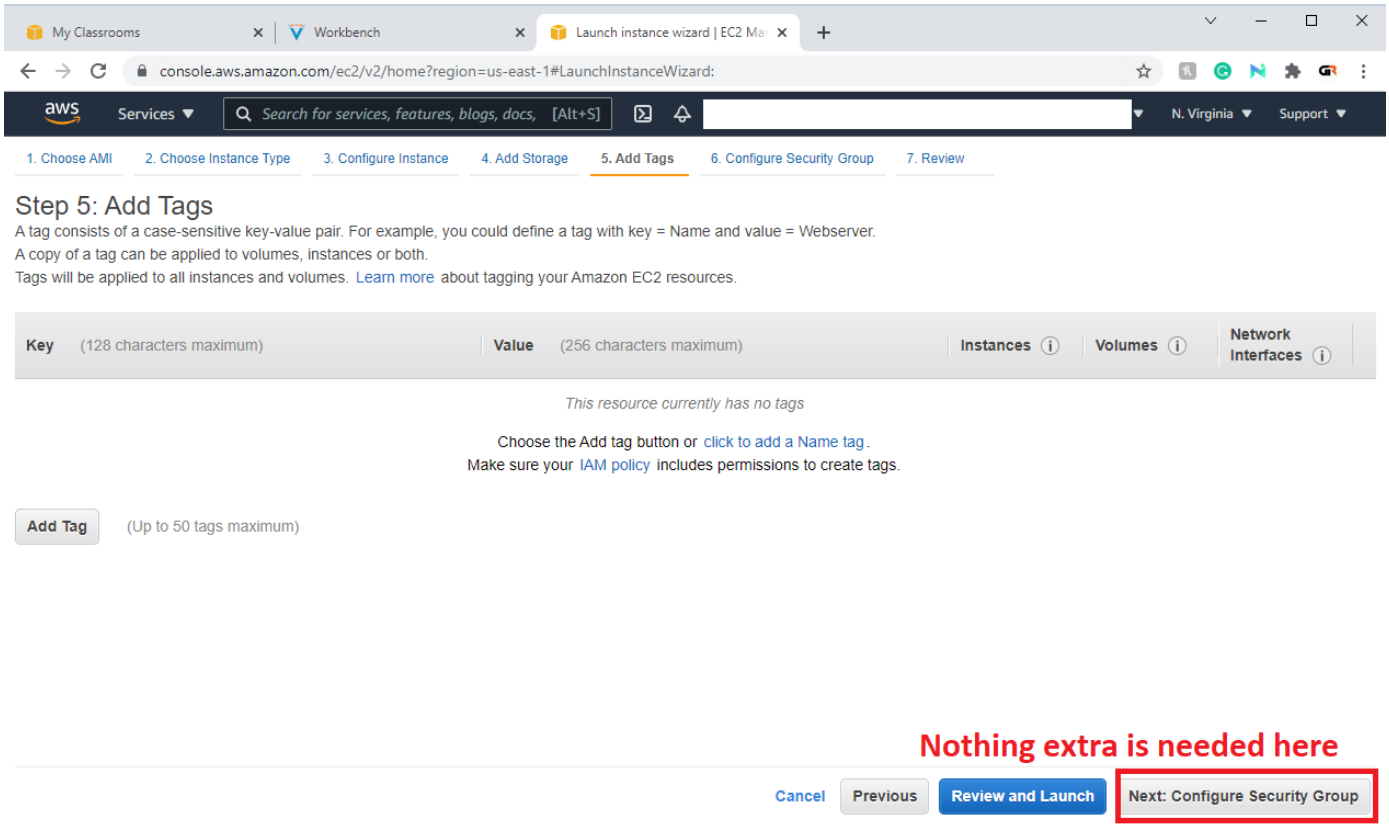
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 1: Choose an Amazon Machine Image (AMI)
Cancel and Exit
SUSE Linux
Free tier eligible
ami-05f2f5f76d89313bb (64-bit Arm)
SUSE Linux Enterprise Server 15 Service Pack 2 (HVM), EBS General Purpose (SSD) Volume Type. Amazon EC2 AMI Tools preinstalled; Apache 2.2, MySQL 5.5, PHP 5.3, and Ruby 1.8.7 available.
Root device type: ebs
Virtualization type: hvm
ENA Enabled: Yes
Select
64-bit (x86)
64-bit (Arm)
Select Ubuntu 20.04
Ubuntu Server 20.04 LTS (HVM), SSD Volume Type - ami-083654bd07b5da81d (64-bit x86) / ami-04fe9398b2a27a600 (64-bit Arm)
Free tier eligible
Ubuntu Server 20.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).
Root device type: ebs
Virtualization type: hvm
ENA Enabled: Yes
Select
64-bit (x86)
64-bit (Arm)
Ubuntu Server 18.04 LTS (HVM), SSD Volume Type - ami-0279c3b3186e54acd (64-bit x86) / ami-0528007a60177dd84 (64-bit Arm)
Free tier eligible
Ubuntu Server 18.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).
Root device type: ebs
Virtualization type: hvm
ENA Enabled: Yes
Select
64-bit (x86)
64-bit (Arm)
Microsoft Windows Server 2019 Base - ami-0b17e49efb8d755c3
Windows
Free tier eligible
Microsoft Windows 2019 Datacenter edition. [English]
Select
64-bit (x86)


My Classrooms
Workbench
Launch instance wizard | EC2 Ma
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
aws
Services
Search for services, features, blogs, docs, [Alt+S]
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 2: Choose an Instance Type
Family
Type
vCPUs
Memory (GiB)
Available
t2 t2.nano 1 0.5 EBS only - Low to Moderate Yes
t2 t2.micro Free tier eligible 1 1 EBS only - Low to Moderate Yes
t2 t2.small 1 2 EBS only - Low to Moderate Yes
t2 t2.medium 2 4 EBS only - Low to Moderate Yes
t2 t2.large 2 8 EBS only - Low to Moderate Yes
t2 t2.xlarge 4 16 EBS only - Moderate Yes
t2 t2.2xlarge 8 32 EBS only - Moderate Yes
t3 t3.nano 2 0.5 EBS only Yes Up to 5 Gigabit Yes
t3 t3.micro 2 1 EBS only Yes Up to 5 Gigabit Yes
t3 t3.small 2 2 EBS only Yes Up to 5 Gigabit Yes
t3 t3.medium 2 4 EBS only Yes Up to 5 Gigabit Yes
Select t2.medium as we need at least 4GB of Ram
Cancel
Previous
Review and Launch
Next: Configure Instance Details


Step 3: Configure Instance Details
Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.
Number of instances
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
Create new VPC
Subnet
Create new subnet
Auto-assign Public IP
Placement group
Add instance to placement group
Capacity Reservation
Domain join directory
Create new directory
IAM role
Create new IAM role
Shutdown behavior
Stop - Hibernate behavior
Enable hibernation as an additional stop behavior
Nothing extra is needed here
Cancel
Previous
Review and Launch
Next: Add Storage


Step 4: Add Storage
Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.
Volume Type
Device
Snapshot
Size (GiB)
Volume Type
IOPS
Throughput (MB/s)
Delete on Termination
Encryption
Root
/dev/sda1
snap-0c97f1c43c6bb2043
30
General Purpose SSD (gp2)
100 / 3000
N/A
Add New Volume
Up to 30GB is free so might as well max it out
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.
Shared file systems
You currently don't have any file systems on this instance. Select "Add file system" button below to add a file system.
Add file system
Click here
Cancel
Previous
Review and Launch
Next: Add Tags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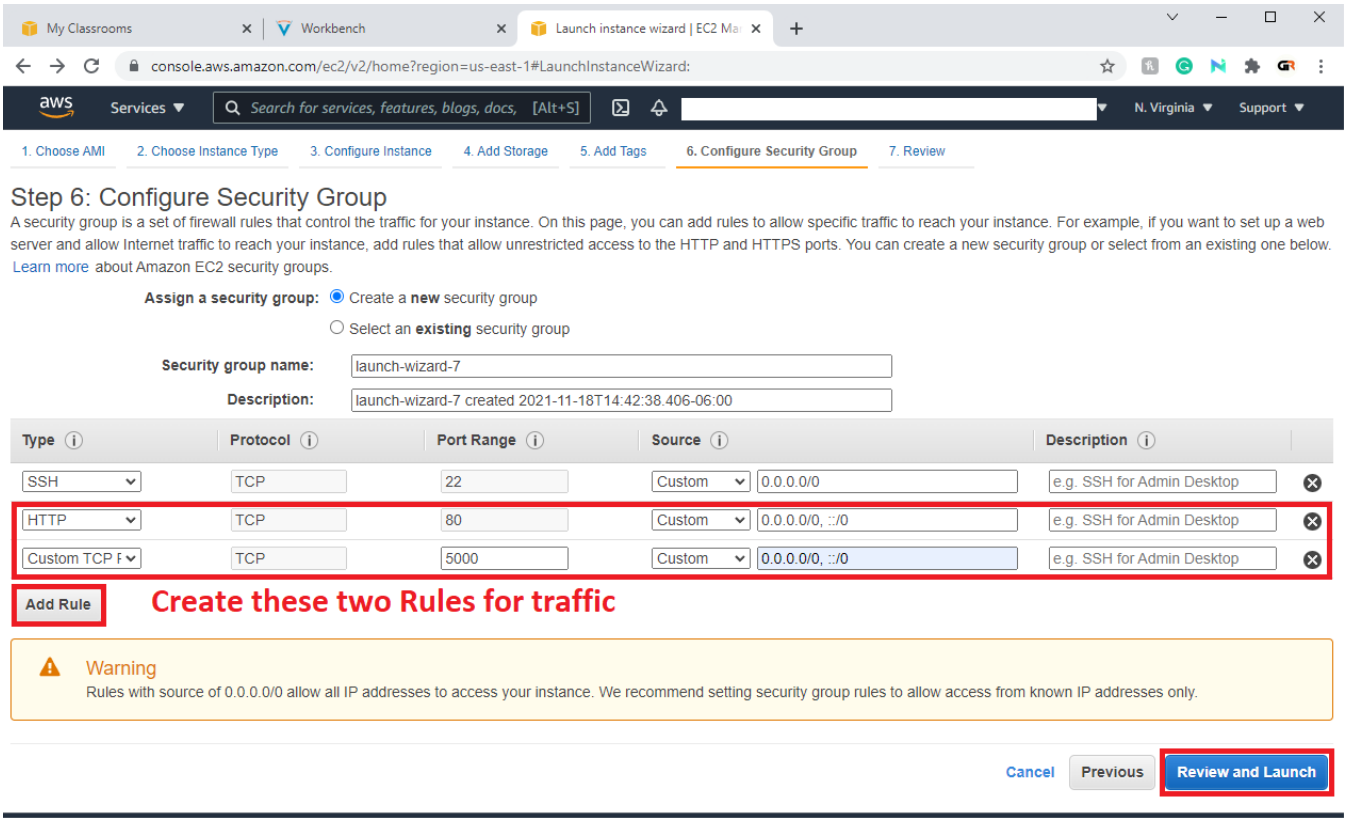
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Search for services, features, blogs, docs, [Alt+S]
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 5: Add Tags
A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. Learn more about tagging your Amazon EC2 resources.
Key (128 characters maximum)
Value (256 characters maximum)
Instances
Volumes
Network Interfaces
This resource currently has no tags
Choose the Add tag button or click to add a Name tag.
Make sure your IAM policy includes permissions to create tags.
Add Tag
(Up to 50 tags maximum)
Nothing extra is needed here
Cancel
Previous
Review and Launch
Next: Configure Security Group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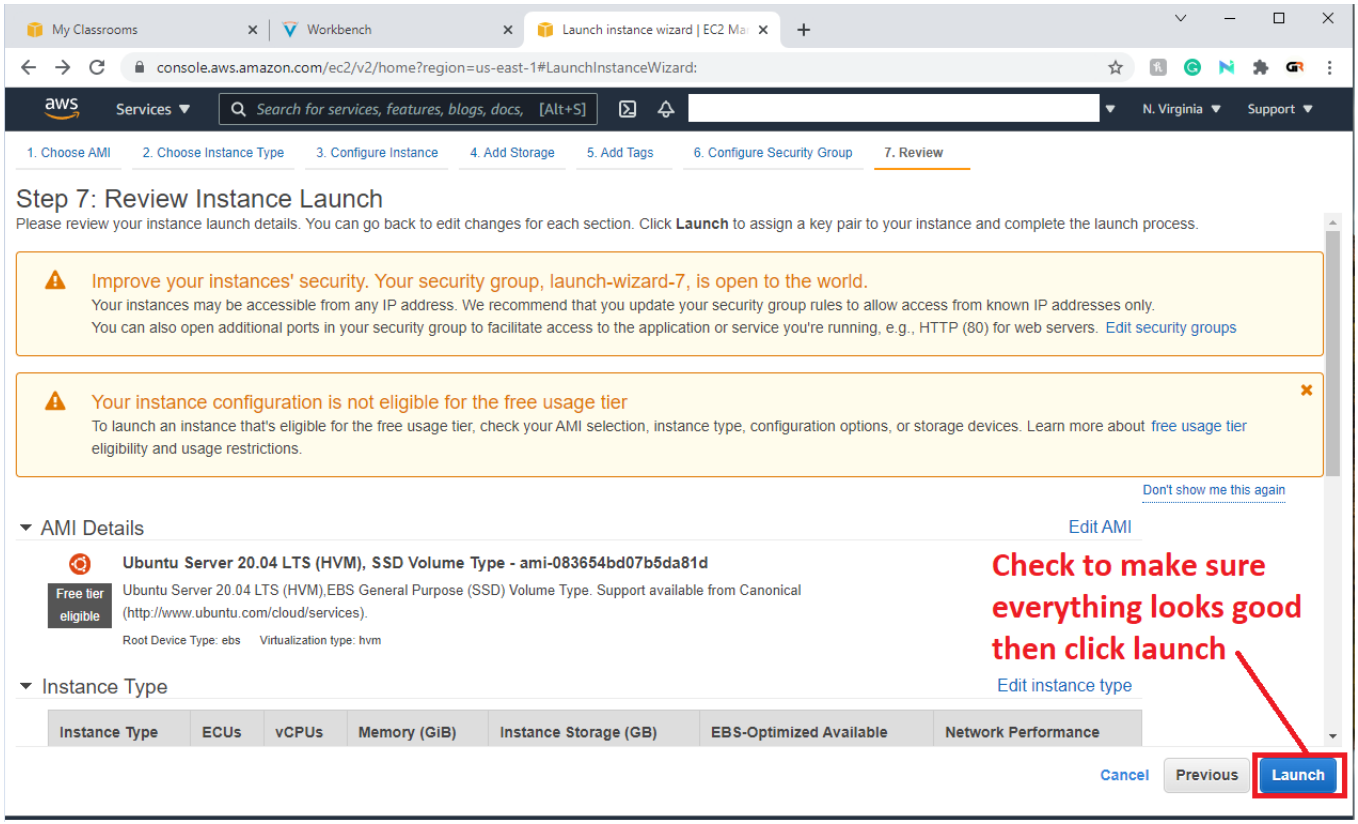
Workbench
Launch instance wizard | EC2 Ma
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Search for services, features, blogs, docs, [Alt+S]
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 6: Configure Security Group
A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below.
Learn more about Amazon EC2 security groups.
Assign a security group: Create a new security group
Select an existing security group
Security group name: launch-wizard-7
Description: launch-wizard-7 created 2021-11-18T14:42:38.406-06:00
Type
Protocol
Port Range
Source
Description
SSH
TCP
22
Custom
0.0.0.0/0
e.g. SSH for Admin Desktop
HTTP
TCP
80
Custom
0.0.0.0/0, ::/0
e.g. SSH for Admin Desktop
Custom TCP R
TCP
5000
Custom
0.0.0.0/0, ::/0
e.g. SSH for Admin Desktop
Add Rule
Create these two Rules for traffic
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Cancel
Previous
Review and Launch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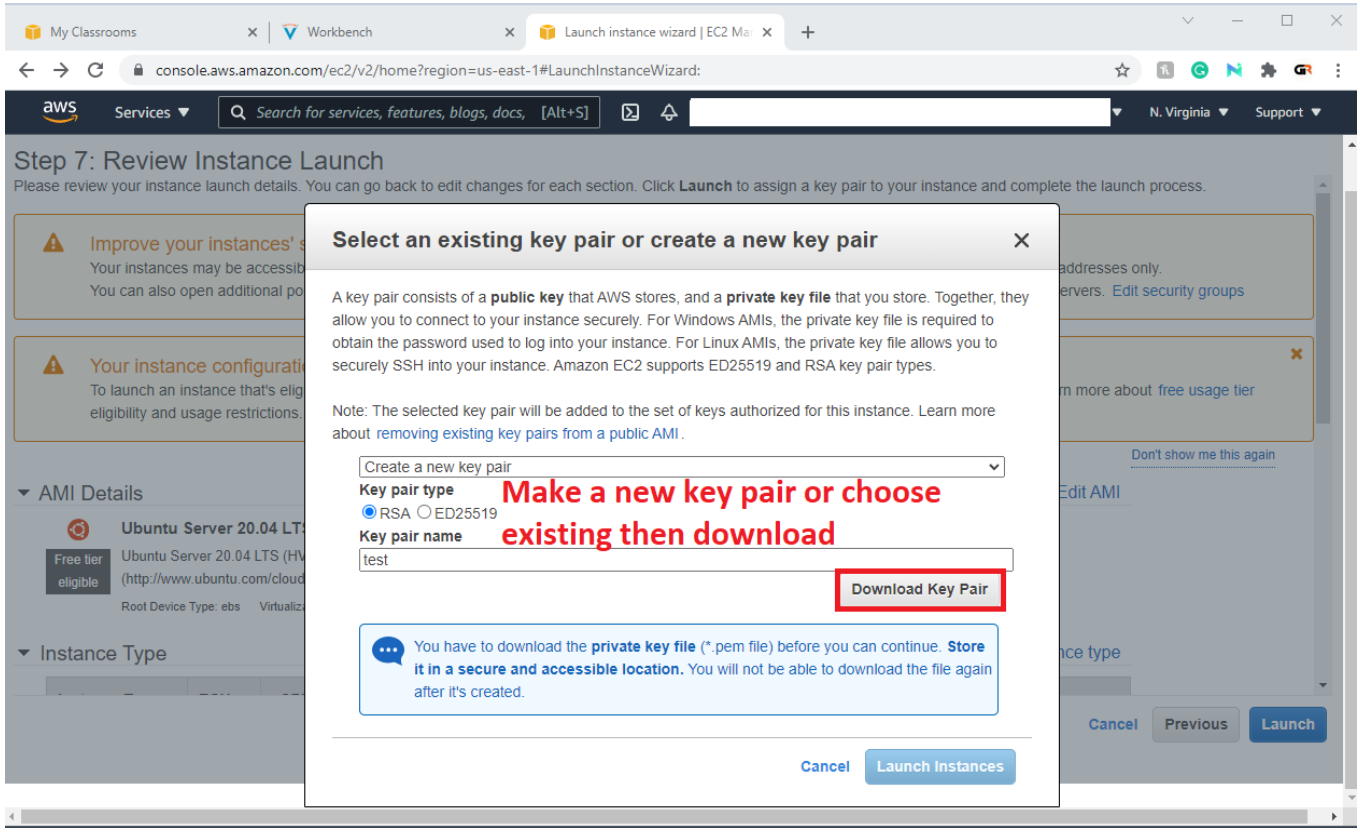
Launch instance wizard | EC2 Ma
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Search for services, features, blogs, docs, [Alt+S]
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.
Improve your instances' security. Your security group, launch-wizard-7, is open to the world.
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.
You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. Edit security groups
Your instance configuration is not eligible for the free usage tier
To launch an instance that's eligible for the free usage tier, check your AMI selection, instance type, configuration options, or storage devices. Learn more about free usage tier eligibility and usage restrictions.
Don't show me this again
AMI Details
Edit AMI
Ubuntu Server 20.04 LTS (HVM), SSD Volume Type - ami-083654bd07b5da81d
Free tier eligible
Ubuntu Server 20.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).
Root Device Type: ebs
Virtualization type: hvm
Check to make sure everything looks good then click launch
Instance Type
Edit instance type
Instance Type
ECUs
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
Cancel
Previous
Launch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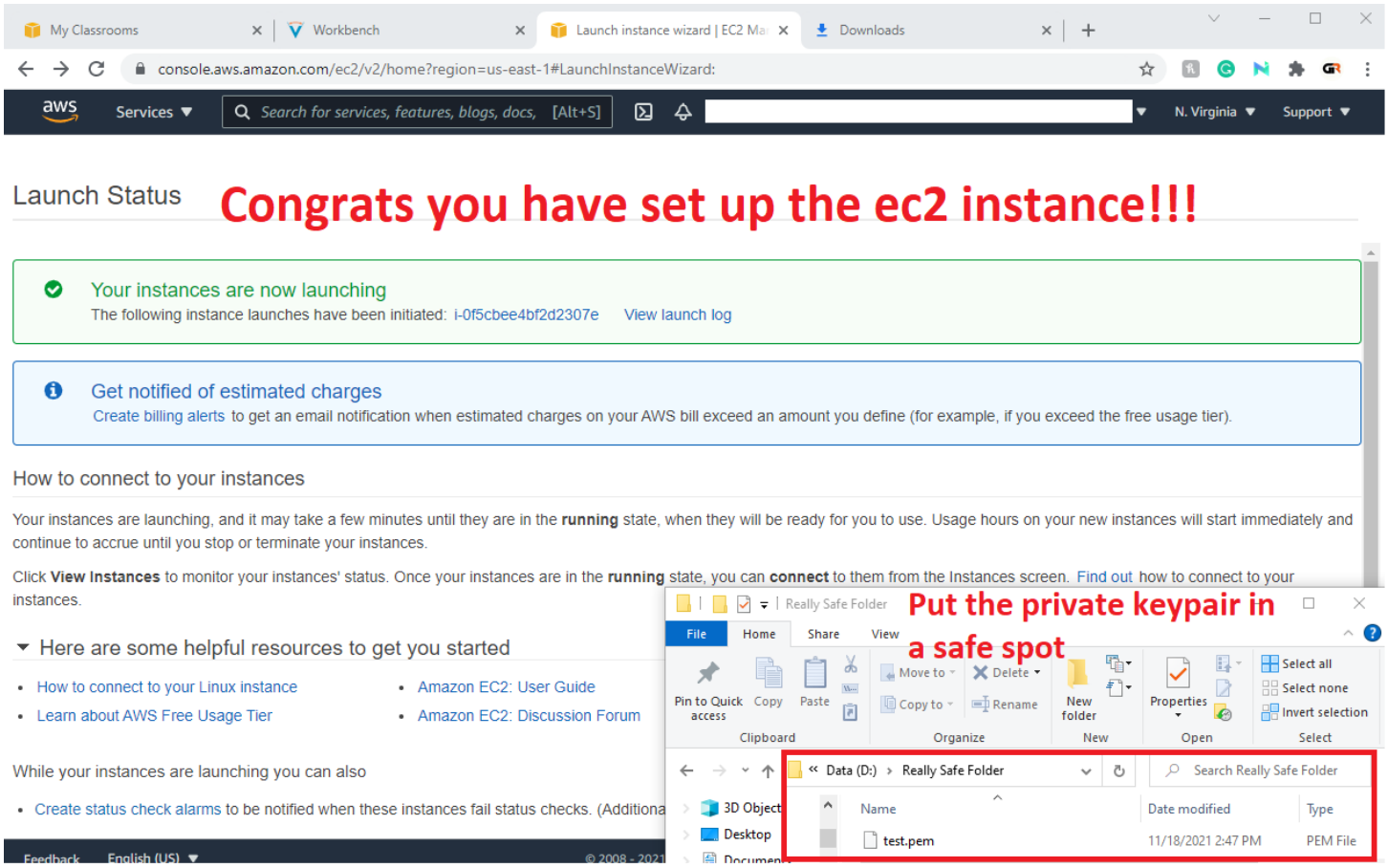
Workbench
Launch instance wizard | EC2 Ma
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Search for services, features, blogs, docs, [Alt+S]
N. Virginia
Support
Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.
Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Amazon EC2 supports ED25519 and RSA key pair types.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Create a new key pair
Key pair type
RSA
ED25519
Key pair name
test
Make a new key pair or choose existing then download
Download Key Pair
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.
Cancel
Launch Instances
AMI Details
Instance Type
Cancel
Previous
Launch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Downloads
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
aws
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N. Virginia
Support
Launch Status
Congrats you have set up the ec2 instance!!!
Your instances are now launching
The following instance launches have been initiated: i-0f5cbee4bf2d2307e
View launch log
Get notified of estimated charges
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).
How to connect to your instances
Your instances are launching, and it may take a few minutes until they are in the running state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.
Click View Instances to monitor your instances' status. Once your instances are in the running state, you can connect to them from the Instances screen. Find out how to connect to your instances.
Here are some helpful resources to get you started
How to connect to your Linux instance
Learn about AWS Free Usage Tier
Amazon EC2: User Guide
Amazon EC2: Discussion Forum
While your instances are launching you can also
Create status check alarms to be notified when these instances fail status checks. (Additiona
Feedback
English (US)
Really Safe Folder
Put the private keypair in a safe spot
File
Home
Share
View
Pin to Quick access
Copy
Paste
Move to
Delete
Copy to
Rename
New folder
Properties
Select all
Select none
Invert selection
Clipboard
Organize
New
Open
Select
Data (D:) › Really Safe Folder
Search Really Safe Folder
3D Object
Desktop
Name
Date modified
Type
test.pem
11/18/2021 2:47 PM
PEM File