Cloud Computing – Assignment 2

Title: Deploy a website on the AWS EC2.

Objective: To understand the working of Amazon EC2 Linux AMI.

Problem Statement: Deploy a Website on the AWS EC2 instance.

Software Requirements: Browser (Chrome/Firefox), Amazon EC2 instance**.**

Hardware Requirements: Laptop/Desktop, internet connection

Theory:

Amazon Elastic Compute Cloud (Amazon EC2) provides scalable computing capacity in the Amazon Web Services (AWS) cloud. Using Amazon EC2 eliminates your need to invest in hardware up front, so you can develop and deploy applications faster. You can use Amazon EC2 to launch as many or as few virtual servers as you need, configure security and networking, and manage storage. Amazon EC2 enables you to scale up or down to handle changes in requirements or spikes in popularity, reducing your need to forecast traffic.

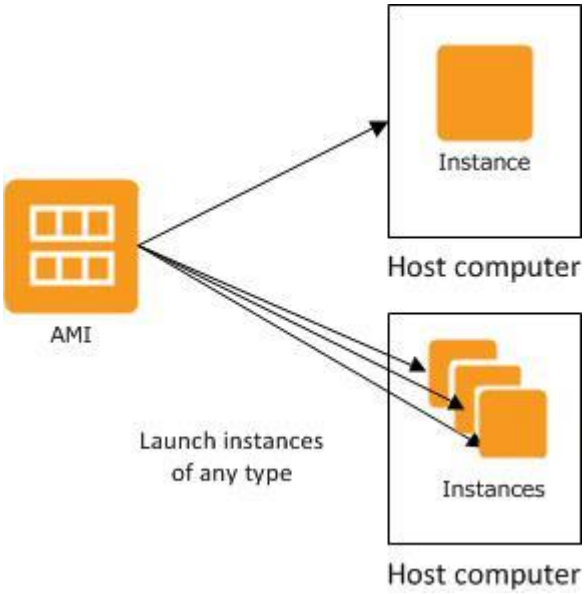
Features of Amazon EC2

- Amazon EC2 provides the following features:
- Virtual computing environments, known as instances
- Preconfigured templates for your instances, known as Amazon Machine Images (AMIs), that package the bits you need for your server (including the operating system and additional software)
- Various configurations of CPU, memory, storage, and networking capacity for your instances, known as instance types
- Secure login information for your instances using key pairs (AWS stores the public key, and you store the private key in a secure place)
- Storage volumes for temporary data that's deleted when you stop or terminate your instance, known as instance store volumes

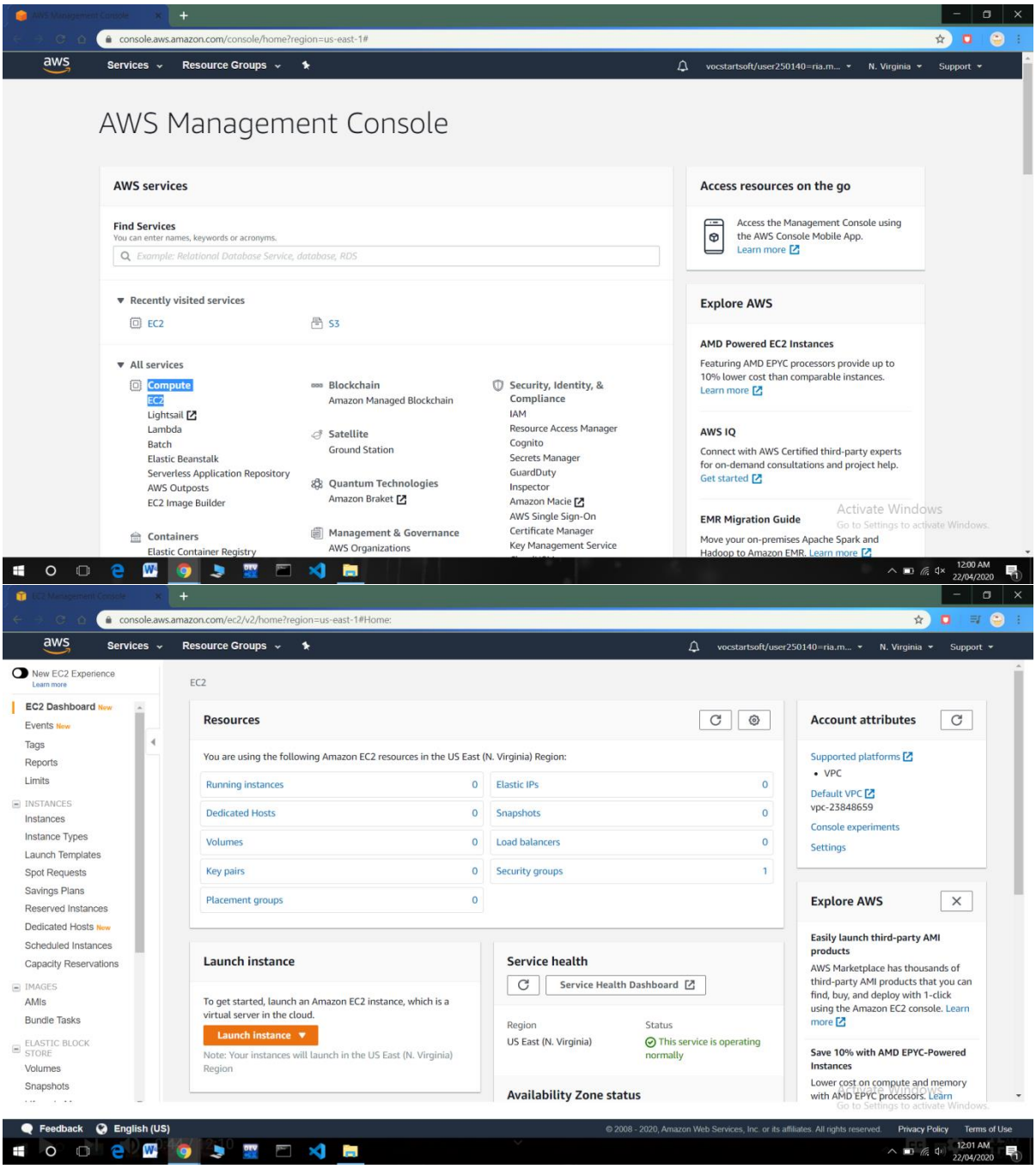
- Persistent storage volumes for your data using Amazon Elastic Block Store (Amazon EBS), known as Amazon EBS volumes
- Multiple physical locations for your resources, such as instances and Amazon EBS volumes, known as Regions and Availability Zones
- A firewall that enables you to specify the protocols, ports, and source IP ranges that can reach your instances using security groups
- Static IPv4 addresses for dynamic cloud computing, known as Elastic IP addresses
- Metadata, known as tags, that you can create and assign to your Amazon EC2 resources
- Virtual networks you can create that are logically isolated from the rest of the AWS cloud, and that you can optionally connect to your own network, known as virtual private clouds (VPCs)

Instances and AMIs:

An Amazon Machine Image (AMI) is a template that contains a software configuration (for example, an operating system, an application server, and applications). From an AMI, you launch an instance, which is a copy of the AMI running as a virtual server in the cloud. You can launch multiple instances of an AMI, as shown in the following figure



Related Steps and Screenshots


console.aws.amazon.com/console/home?region=us-east-1#
Services
Resource Groups
vocstartsoft/user250140=ria.m...
N. Virginia
Support
AWS Management Console
AWS services
Find Services
You can enter names, keywords or acronyms.
Example: Relational Database Service, database, RDS
Recently visited services
EC2
S3
All services
Compute
EC2
Lightsail
Lambda
Batch
Elastic Beanstalk
Serverless Application Repository
AWS Outposts
EC2 Image Builder
Containers
Elastic Container Registry
Blockchain
Amazon Managed Blockchain
Satellite
Ground Station
Quantum Technologies
Amazon Braket
Management & Governance
AWS Organizations
Security, Identity, & Compliance
IAM
Resource Access Manager
Cognito
Secrets Manager
GuardDuty
Inspector
Amazon Macie
AWS Single Sign-On
Certificate Manager
Key Management Service
Access resources on the go
Access the Management Console using the AWS Console Mobile App.
Learn more
Explore AWS
AMD Powered EC2 Instances
Featuring AMD EPYC processors provide up to 10% lower cost than comparable instances.
Learn more
AWS IQ
Connect with AWS Certified third-party experts for on-demand consultations and project help.
Get started
EMR Migration Guide
Move your on-premises Apache Spark and Hadoop to Amazon EMR. Learn more
Activate Windows
Go to Settings to activate Windows.
12:00 AM
22/04/2020
console.aws.amazon.com/ec2/v2/home?region=us-east-1#Home:
New EC2 Experience
Learn more
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
EC2
Resources
You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:
Running instances 0
Elastic IPs 0
Dedicated Hosts 0
Snapshots 0
Volumes 0
Load balancers 0
Key pairs 0
Security groups 1
Placement groups 0
Launch instance
To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.
Launch instance
Note: Your instances will launch in the US East (N. Virginia) Region
Service health
Service Health Dashboard
Region
US East (N. Virginia)
Status
This service is operating normally
Availability Zone status
Account attributes
Supported platforms
VPC
Default VPC
vpc-23848659
Console experiments
Settings
Explore AWS
Easily launch third-party AMI products
AWS Marketplace has thousands of third-party AMI products that you can find, buy, and deploy with 1-click using the Amazon EC2 console. Learn more
Save 10% with AMD EPYC-Powered Instances
Lower cost on compute and memory with AMD EPYC processors. Learn
Feedback
English (US)
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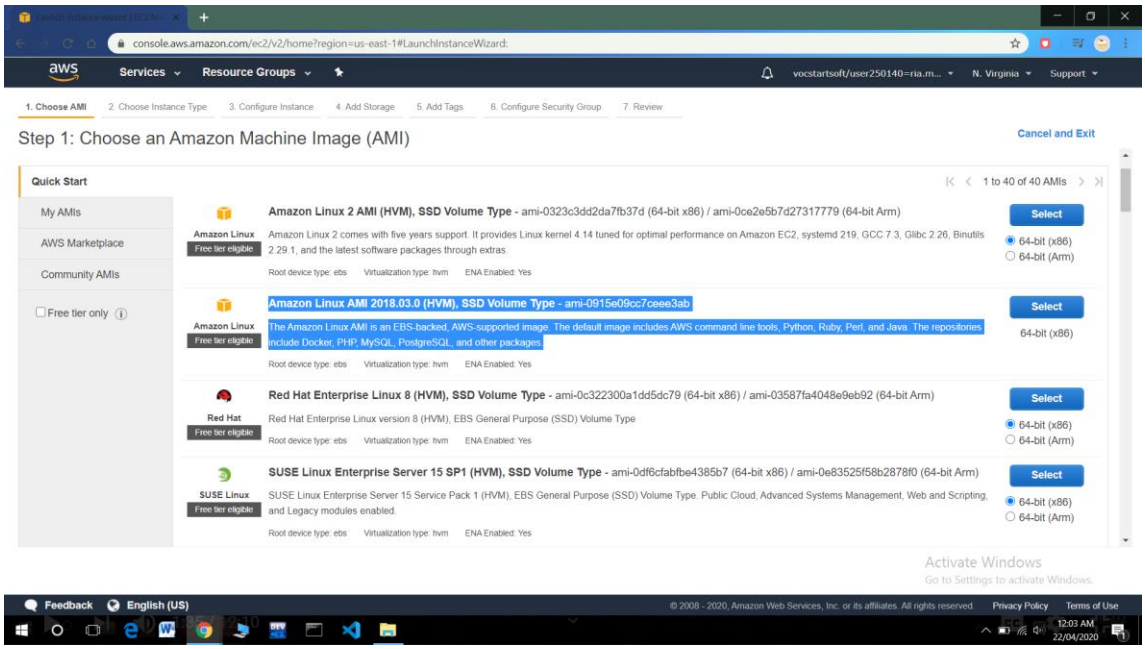
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user250140=ria.m...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 1: Choose an Amazon Machine Image (AMI)
Cancel and Exit
Quick Start
1 to 40 of 40 AMIs
My AMIs
AWS Marketplace
Community AMIs
Free tier only
Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0323c3dd2da7fb37d (64-bit x86) / ami-0ce2e5b7d27317779 (64-bit Arm)
Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.
Root device type: ebs
Virtualization type: hvm
ENA Enabled: Yes
Select
64-bit (x86)
64-bit (Arm)
Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-0915e09cc7ceee3ab
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
64-bit (x86)
Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-0c322300a1dd5dc79 (64-bit x86) / ami-03587fa4048e9eb92 (64-bit Arm)
Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type
SUSE Linux Enterprise Server 15 SP1 (HVM), SSD Volume Type - ami-0df6cfabfbe4385b7 (64-bit x86) / ami-0e83525f58b2878f0 (64-bit Arm)
SUSE Linux Enterprise Server 15 Service Pack 1 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.
Activate Windows
Feedback
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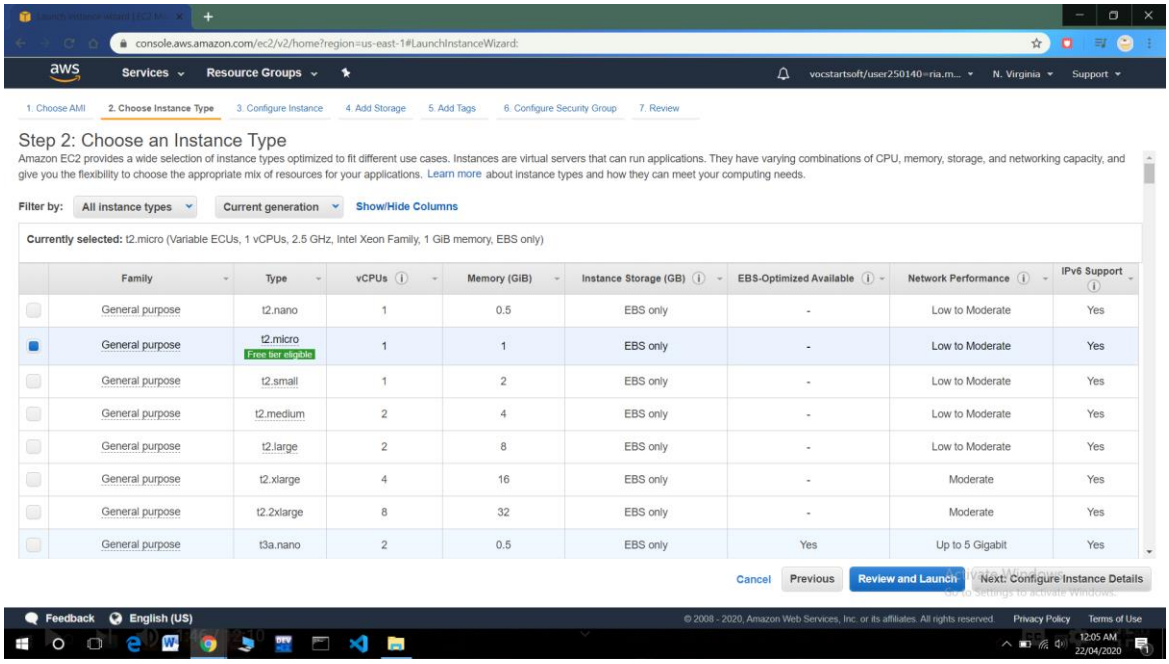
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user250140=ria.m...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 2: Choose an Instance Type
Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. Learn more about instance types and how they can meet your computing needs.
Filter by:
All instance types
Current generation
Show/Hide Columns
Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)
Family
Type
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
IPv6 Support
General purpose
t2.nano
1
0.5
EBS only
-
Low to Moderate
Yes
t2.micro
Free tier eligible
1
1
EBS only
-
Low to Moderate
Yes
t2.small
1
2
EBS only
-
Low to Moderate
Yes
t2.medium
2
4
EBS only
-
Low to Moderate
Yes
t2.large
2
8
EBS only
-
Low to Moderate
Yes
t2.xlarge
4
16
EBS only
-
Moderate
Yes
t2.2xlarge
8
32
EBS only
-
Moderate
Yes
t3a.nano
2
0.5
EBS only
Yes
Up to 5 Gigabit
Yes
Cancel
Previous
Review and Launch
Next: Configure Instance Details
Feedback
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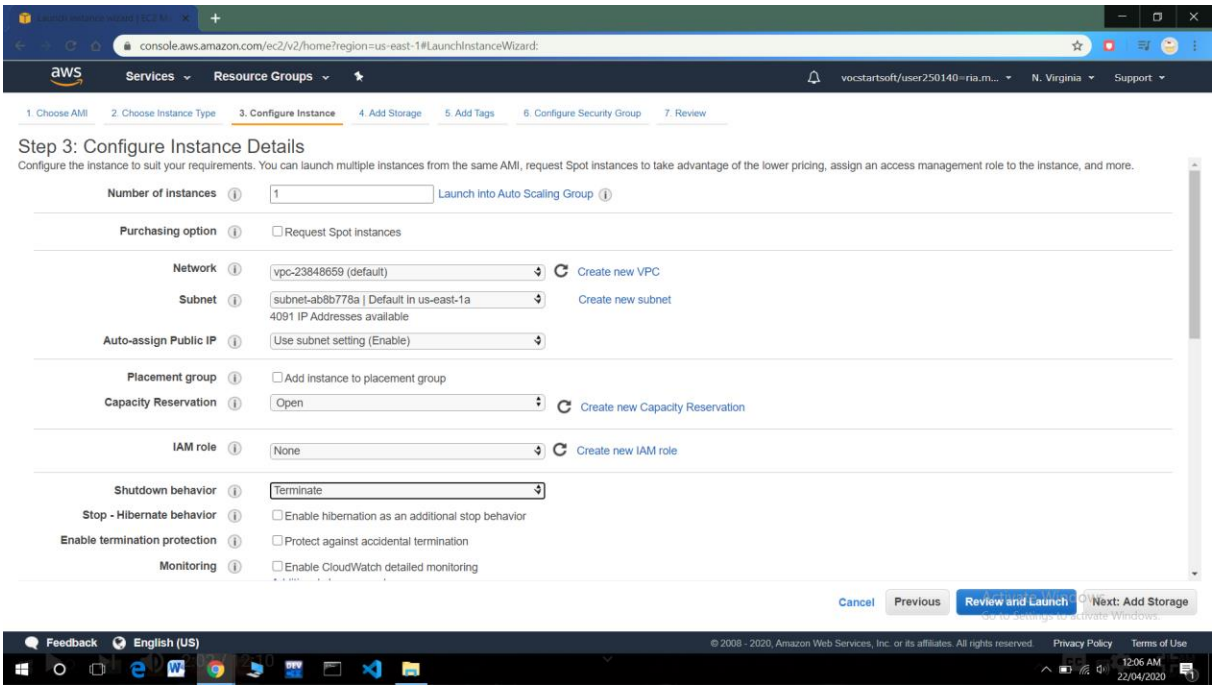
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user250140=ria.m...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 3: Configure Instance 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
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-23848659 (default)
Create new VPC
Subnet
subnet-ab8b778a | Default in us-east-1a
4091 IP Addresses available
Create new subnet
Auto-assign Public IP
Use subnet setting (Enable)
Placement group
Add instance to placement group
Capacity Reservation
Open
Create new Capacity Reservation
IAM role
None
Create new IAM role
Shutdown behavior
Terminate
Stop - Hibernate behavior
Enable hibernation as an additional stop behavior
Enable termination protection
Protect against accidental termination
Monitoring
Enable CloudWatch detailed monitoring
Cancel
Previous
Review and Launch
Next: Add Storage
Feedback
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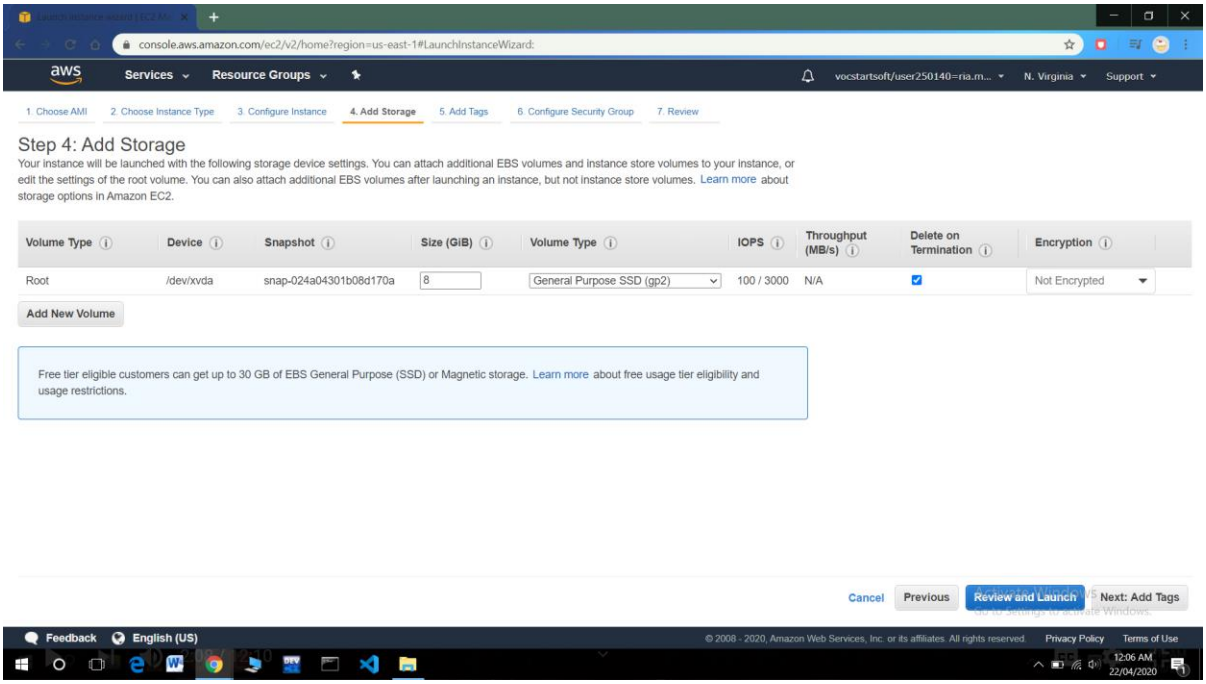
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user250140=ria.m...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 4: Add Storage
Your 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/xvda
snap-024a04301b08d170a
8
General Purpose SSD (gp2)
100 / 3000
N/A
Not Encrypted
Add New Volume
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.
Cancel
Previous
Review and Launch
Next: Add Tags
Feedback
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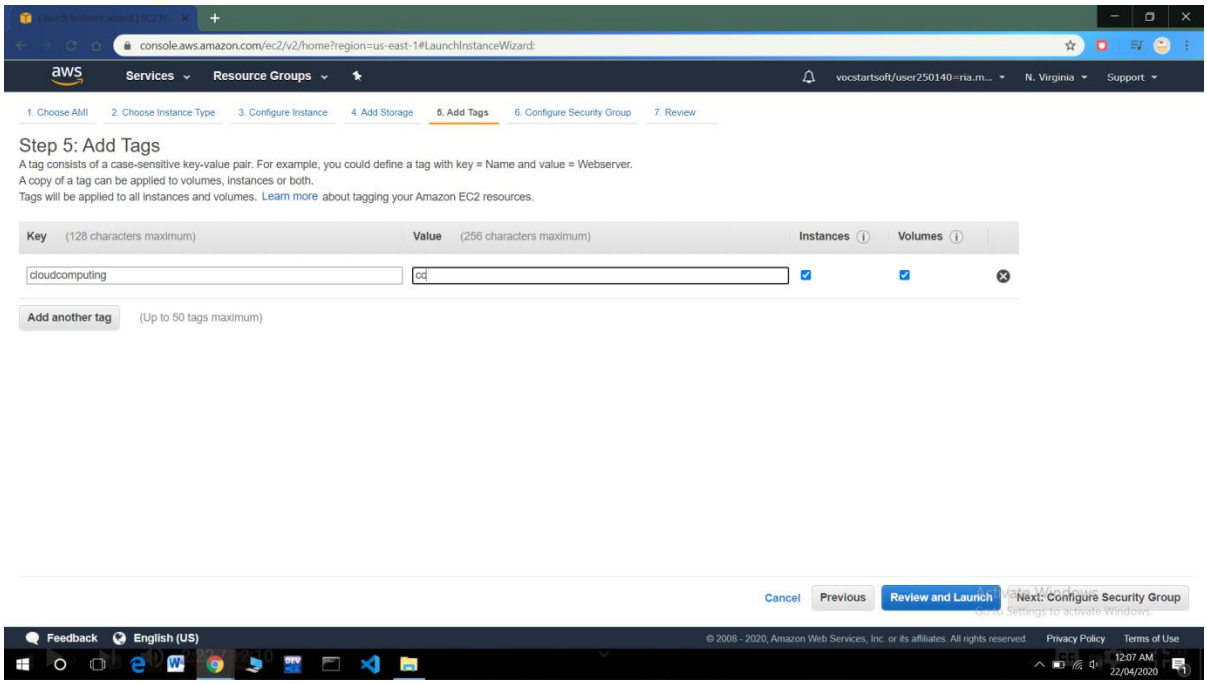
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user250140=ria.m...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 5: Add Tags
A tag consists 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
cloudcomputing
cc
Add another tag
(Up to 50 tags maximum)
Cancel
Previous
Review and Launch
Next: Configure Security Group
Feedback
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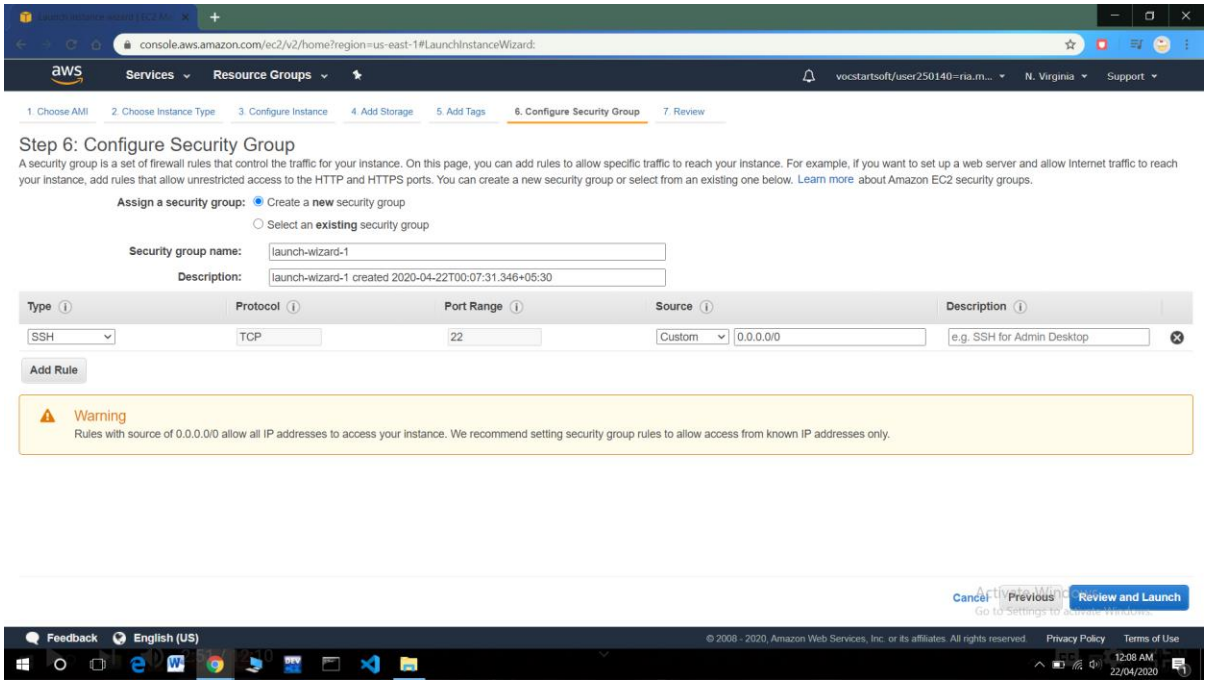
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user250140=ria.m...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 6: Configure Security 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-1
Description:
launch-wizard-1 created 2020-04-22T00:07:31.346+05:30
Type
Protocol
Port Range
Source
Description
SSH
TCP
22
Custom
0.0.0.0/0
e.g. SSH for Admin Desktop
Add Rule
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
Feedback
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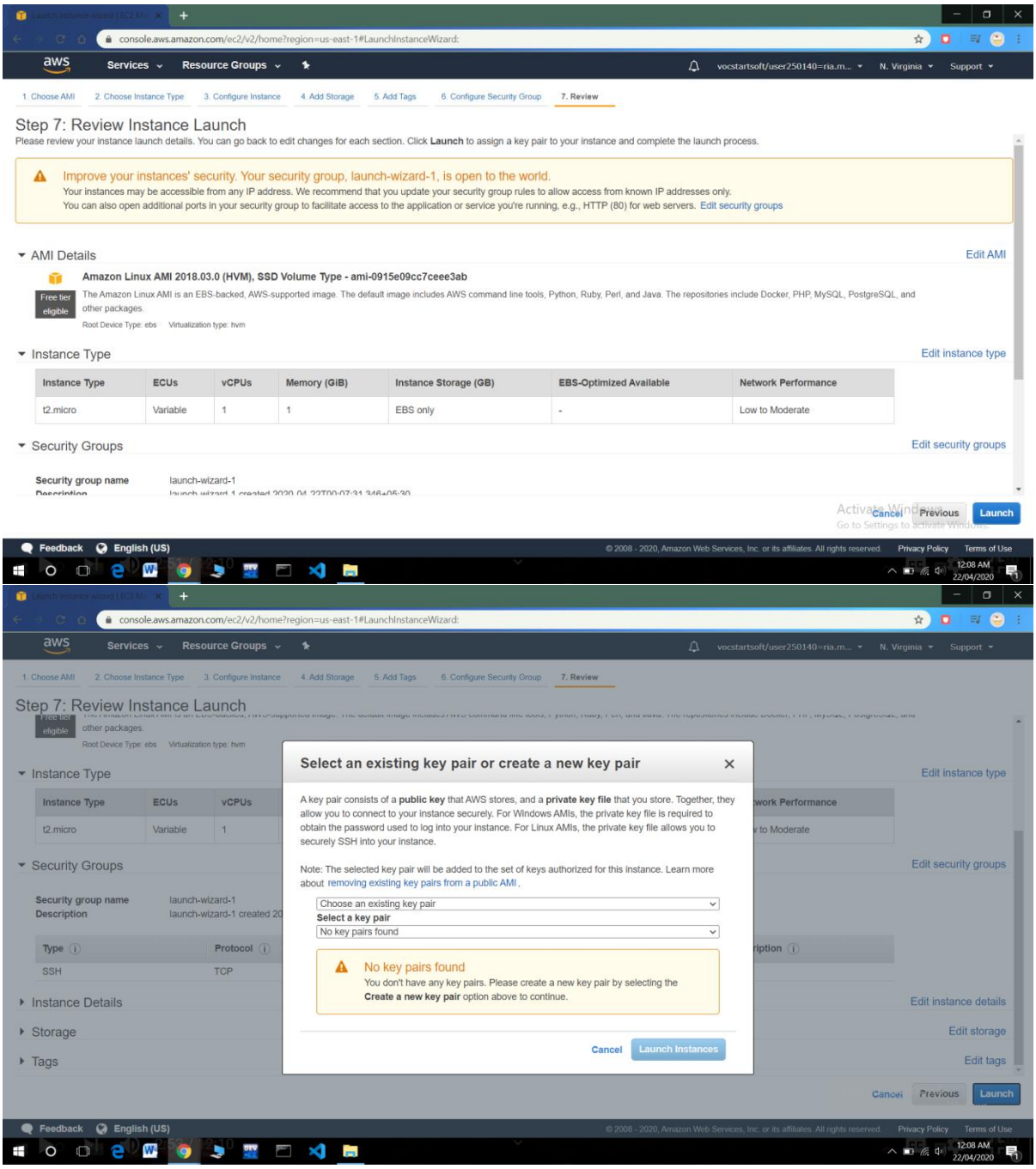
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user250140=ria.m...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance 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-1, 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
AMI Details
Edit AMI
Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-0915e09cc7ceee3ab
Free tier eligible
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root Device Type: ebs
Virtualization type: hvm
Instance Type
Edit instance type
Instance Type
ECUs
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
t2.micro
Variable
1
1
EBS only
-
Low to Moderate
Security Groups
Edit security groups
Security group name
launch-wizard-1
Cancel
Previous
Launch
Feedback
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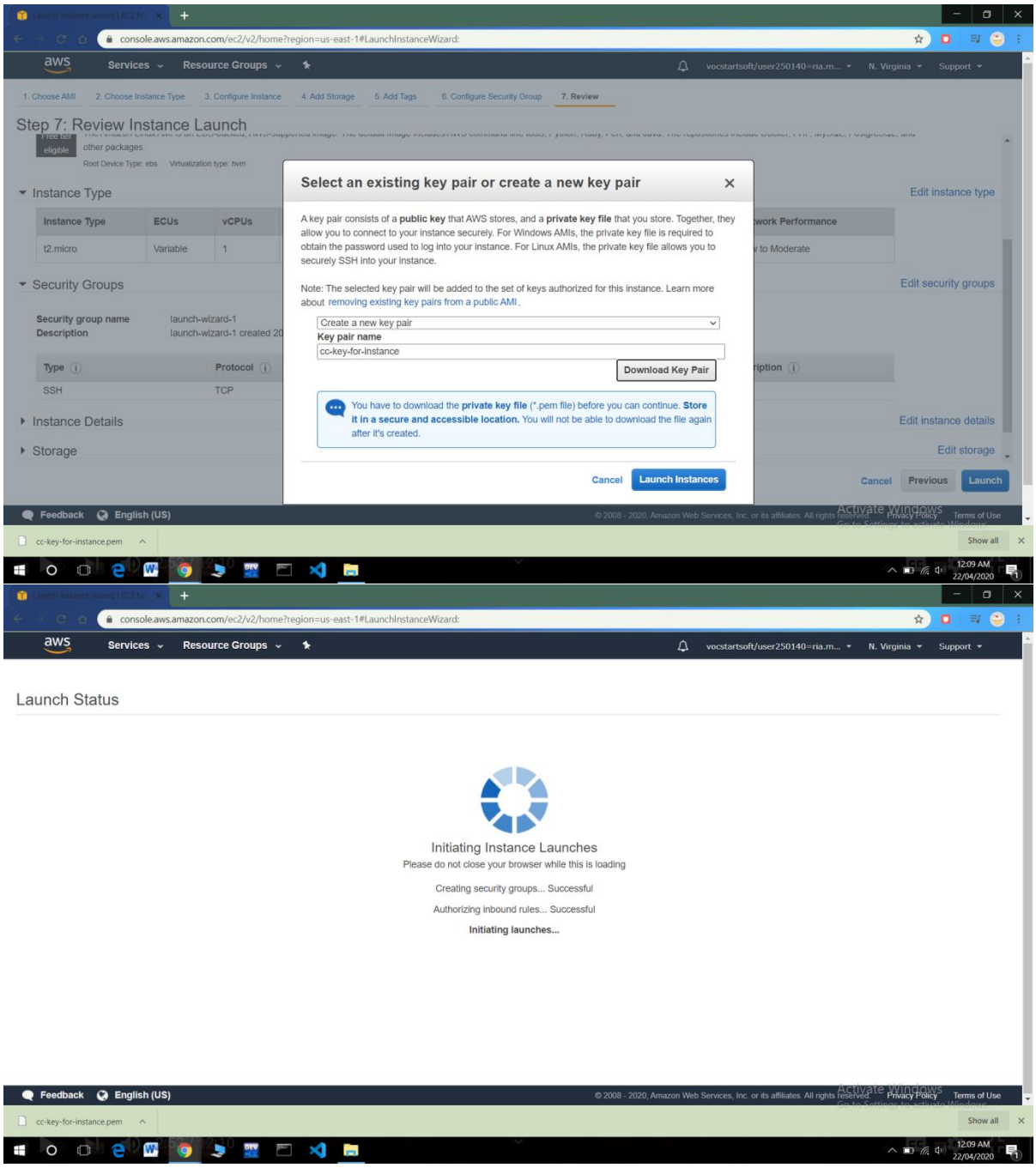
Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.
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.
Choose an existing key pair
Select a key pair
No key pairs found
No key pairs found
You don't have any key pairs. Please create a new key pair by selecting the Create a new key pair option above to continue.
Cancel
Launch Instances
Instance Details
Edit instance details
Storage
Edit storage
Tags
Edit tags
Cancel
Previous
Launch


console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
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
Instance Type
Edit instance type
Security Groups
Edit security groups
Instance Details
Edit instance details
Storage
Edit storage
Cancel
Previous
Launch
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.
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 name
cc-key-for-instance
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
Feedback
English (US)
Privacy Policy
Terms of Use
cc-key-for-instance.pem
Show all
12:09 AM
22/04/2020

console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
N. Virginia
Support
Launch Status
Initiating Instance Launches
Please do not close your browser while this is loading
Creating security groups... Successful
Authorizing inbound rules... Successful
Initiating launches...
Feedback
English (US)
Privacy Policy
Terms of Use
cc-key-for-instance.pem
Show all
12:09 AM
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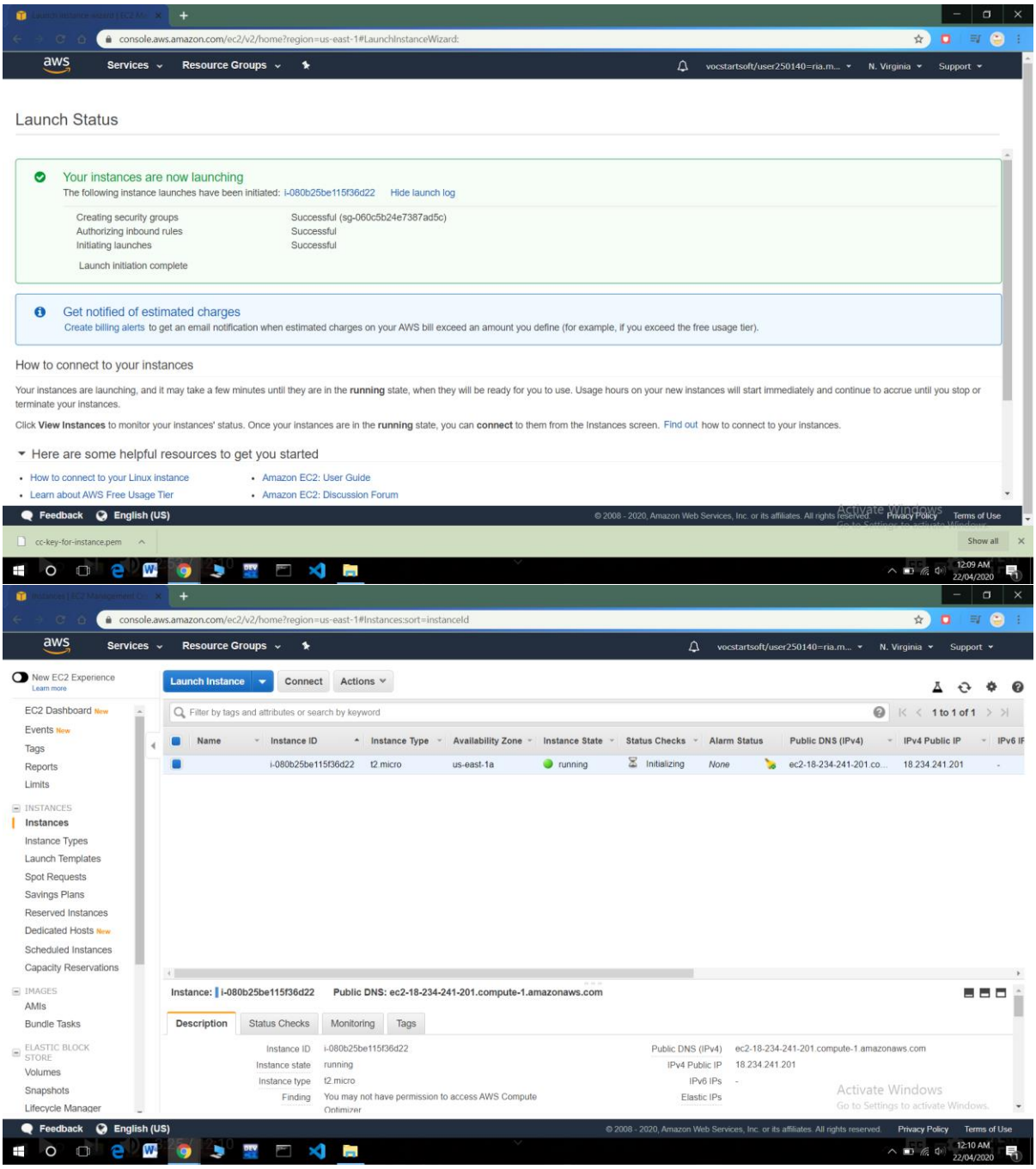
console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Services
Resource Groups
vocstartsoft/user250140=ria.m...
N. Virginia
Support
Launch Status
Your instances are now launching
The following instance launches have been initiated: i-080b25be115f36d22
Hide launch log
Creating security groups
Successful (sg-060c5b24e7387ad5c)
Authorizing inbound rules
Successful
Initiating launches
Successful
Launch initiation complete
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
Feedback
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Activate Windows
cc-key-for-instance.pem
Show all
12:09 AM
22/04/2020
console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:sort=instanceId
New EC2 Experience
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (IPv4)
IPv4 Public IP
i-080b25be115f36d22
t2.micro
us-east-1a
running
Initializing
None
ec2-18-234-241-201.co...
18.234.241.201
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
Lifecycle Manager
Instance: i-080b25be115f36d22
Public DNS: ec2-18-234-241-201.compute-1.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID
i-080b25be115f36d22
Instance state
running
Instance type
t2.micro
Finding
You may not have permission to access AWS Compute Optimizer
Public DNS (IPv4)
ec2-18-234-241-201.compute-1.amazonaws.com
IPv4 Public IP
18.234.241.201
IPv6 IPs
-
Elastic IPs
Activate Windows
Go to Settings to activate Windows.
Feedback
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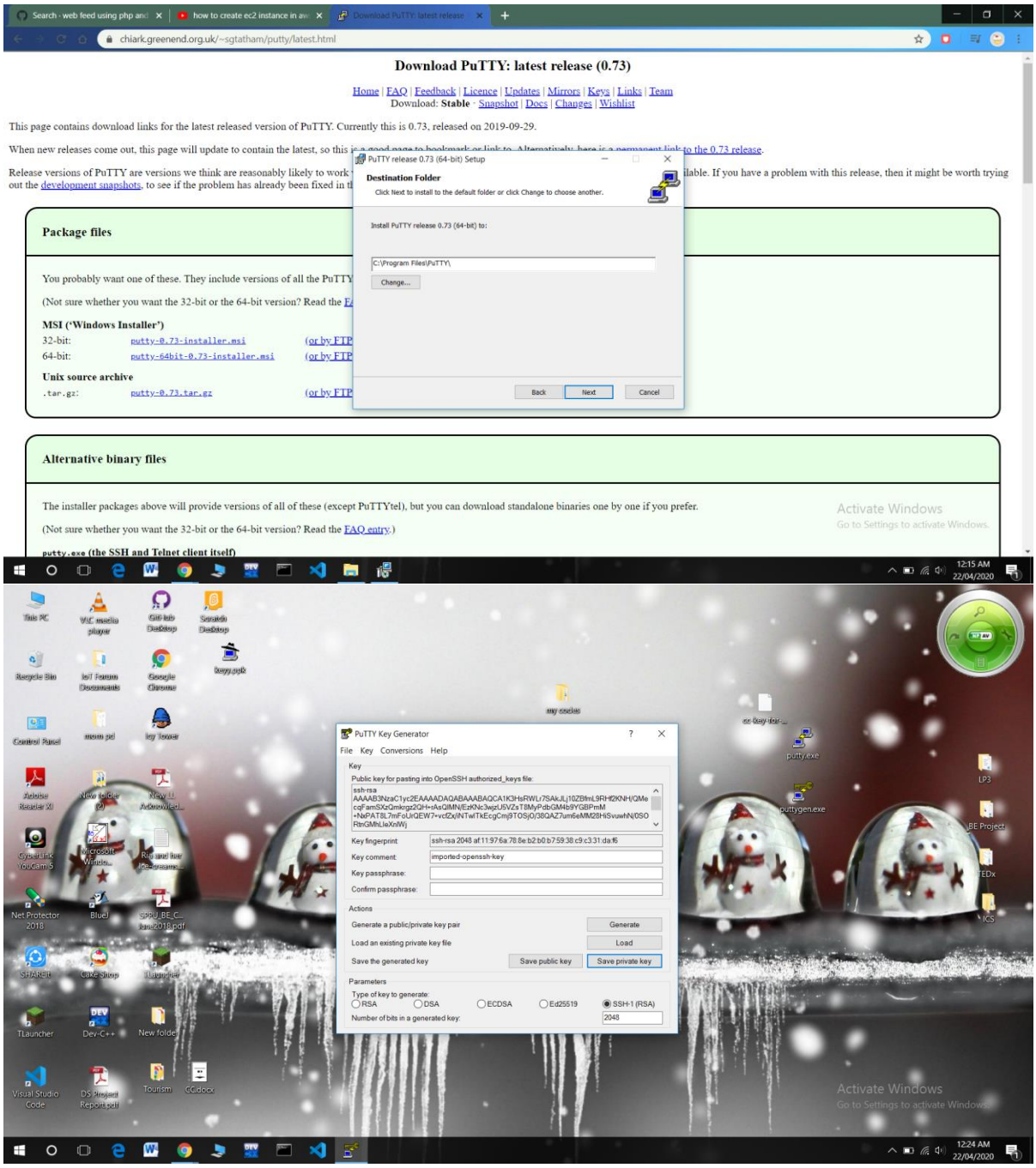
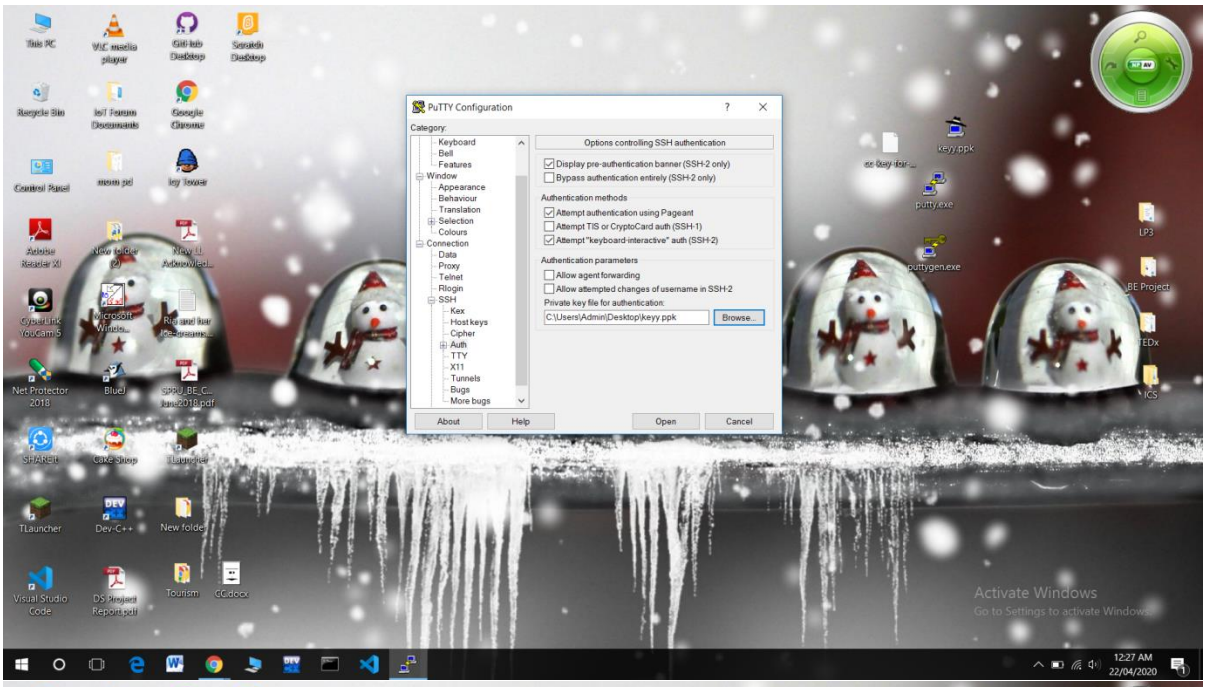
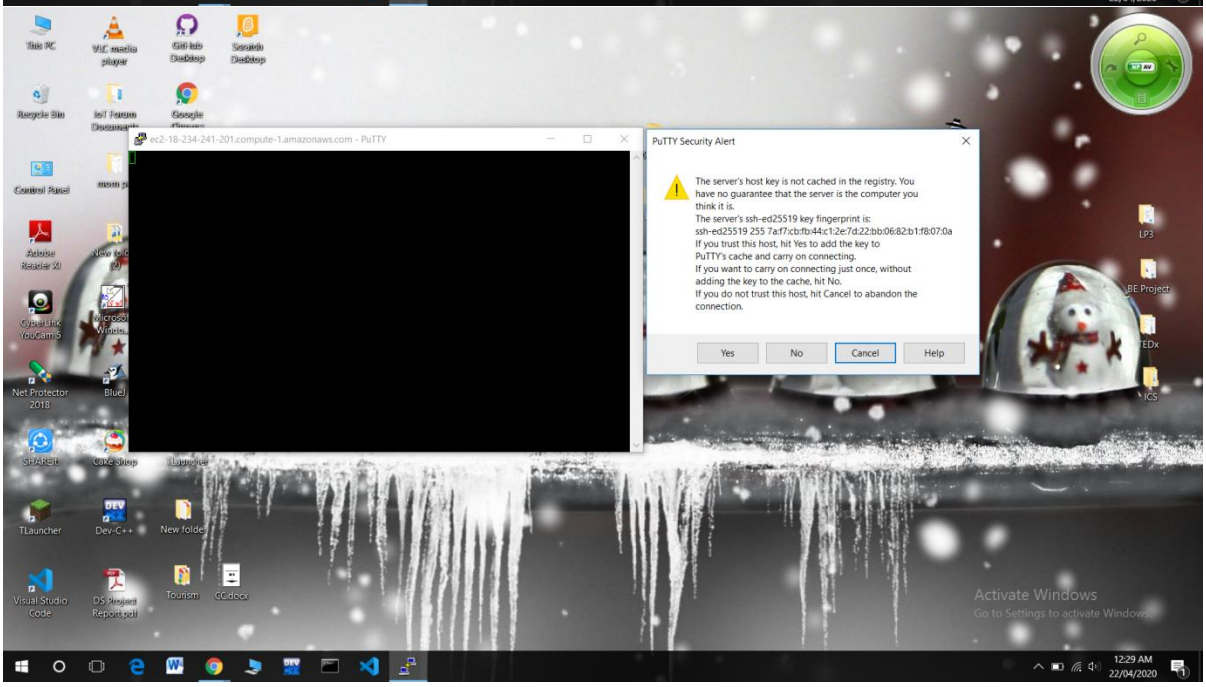
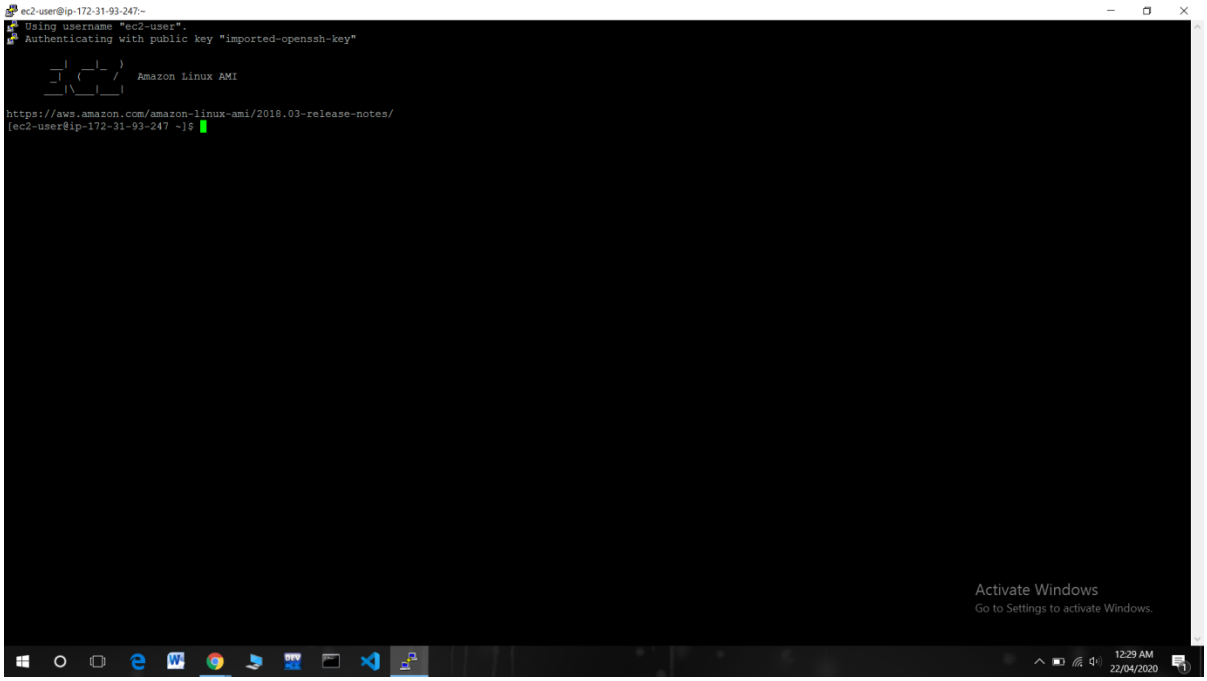
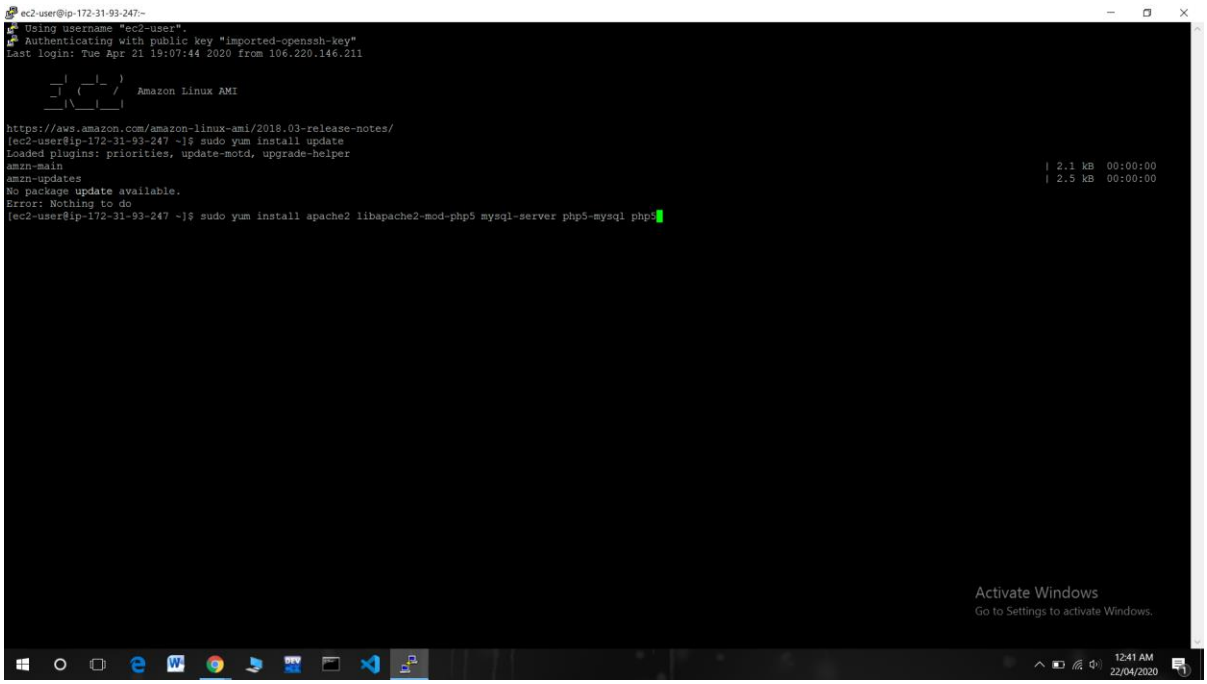
22/04/2020

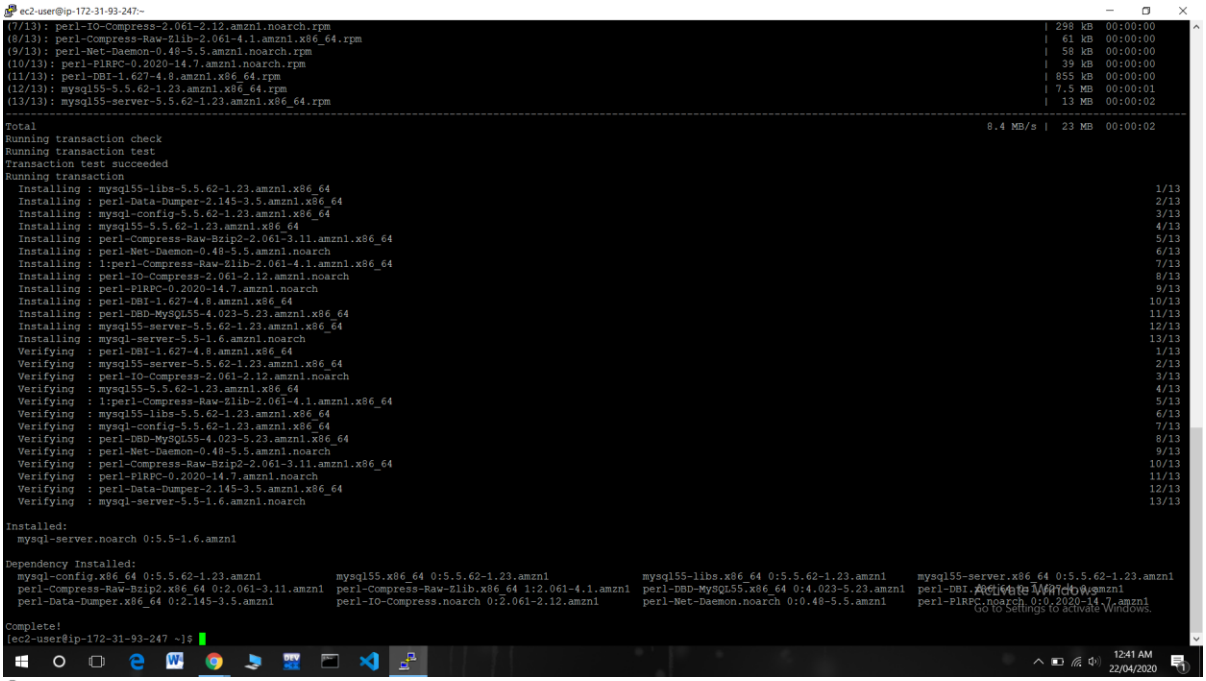

Search - web feed using php and
how to create ec2 instance in aw
Download PuTTY: latest release
chiark.greenend.org.uk/~sgtatham/putty/latest.html
Download PuTTY: latest release (0.73)
Home | FAQ | Feedback | Licence | Updates | Mirrors | Keys | Links | Team
Download: Stable · Snapshot | Docs | Changes | Wishlist
This page contains download links for the latest released version of PuTTY. Currently this is 0.73, released on 2019-09-29.
When new releases come out, this page will update to contain the latest, so this is a good page to bookmark or link to. Alternatively, here is a permanent link to the 0.73 release.
Release versions of PuTTY are versions we think are reasonably likely to work well. However, they probably have bugs and may lack features available. If you have a problem with this release, then it might be worth trying out the development snapshots, to see if the problem has already been fixed in the
Package files
You probably want one of these. They include versions of all the PuTTY
(Not sure whether you want the 32-bit or the 64-bit version? Read the FA
MSI ('Windows Installer')
32-bit: putty-0.73-installer.msi (or by FTP
64-bit: putty-64bit-0.73-installer.msi (or by FTP
Unix source archive
.tar.gz: putty-0.73.tar.gz (or by FTP
PuTTY release 0.73 (64-bit) Setup
Destination Folder
Click Next to install to the default folder or click Change to choose another.
Install PuTTY release 0.73 (64-bit) to:
C:\Program Files\PuTTY\
Change...
Back
Next
Cancel
Alternative binary files
The installer packages above will provide versions of all of these (except PuTTYtel), but you can download standalone binaries one by one if you prefer.
(Not sure whether you want the 32-bit or the 64-bit version? Read the FAQ entry.)
putty.exe (the SSH and Telnet client itself)
Activate Windows
Go to Settings to activate Windows.
PuTTY Key Generator
File Key Conversions Help
Key
Public key for pasting into OpenSSH authorized_keys file:
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABAQCA1K3HsRWLr7SAkJLj10ZBfmL9RH2KNH/QMe
cqFamSXzQmkrgz2QH+rAsQIMN/EzKNc3wjzU5VZsT8MyPdbGM4b9YGBPmM
+NxPAT8L7mFoUiQEW7+vcfZxjNTwITkEcgCmj9TOSjO/38QAZ7um6eMM28HiSvuwhN/0SO
FbnGMhLleXnNj
Key fingerprint: ssh-rsa 2048 af:11:97:6a:78:8e:b2:b0:b7:59:38:c9:c3:31:da:f6
Key comment: imported-openssh-key
Key passphrase:
Confirm passphrase:
Actions
Generate a public/private key pair
Generate
Load an existing private key file
Load
Save the generated key
Save public key
Save private key
Parameters
Type of key to generate:
RSA DSA ECDSA Ed25519 SSH-1 (RSA)
Number of bits in a generated key: 2048
Activate Windows
Go to Settings to activate Windows.
12:15 AM
22/04/2020
12:24 AM
22/04/2020

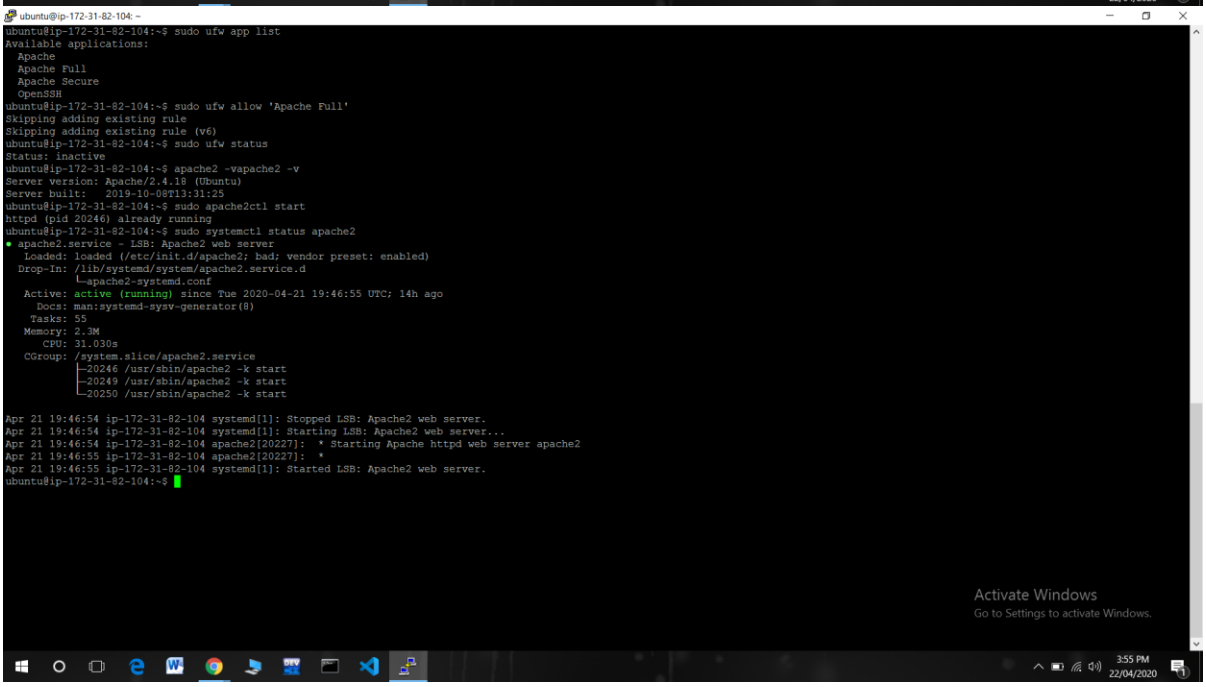

PuTTY Configuration
Category:
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
Telnet
Rlogin
SSH
Kex
Host keys
Cipher
Auth
TTY
X11
Tunnels
Bugs
More bugs
Options controlling SSH authentication
Display pre-authentication banner (SSH-2 only)
Bypass authentication entirely (SSH-2 only)
Authentication methods
Attempt authentication using Pageant
Attempt TIS or CryptoCard auth (SSH-1)
Attempt "keyboard-interactive" auth (SSH-2)
Authentication parameters
Allow agent forwarding
Allow attempted changes of username in SSH-2
Private key file for authentication:
C:\Users\Admin\Desktop\keyy ppk
Browse...
About
Help
Open
Cancel
keyy.ppk
putty.exe
puttygen.exe
Activate Windows
Go to Settings to activate Windows.
12:27 AM
22/04/2020

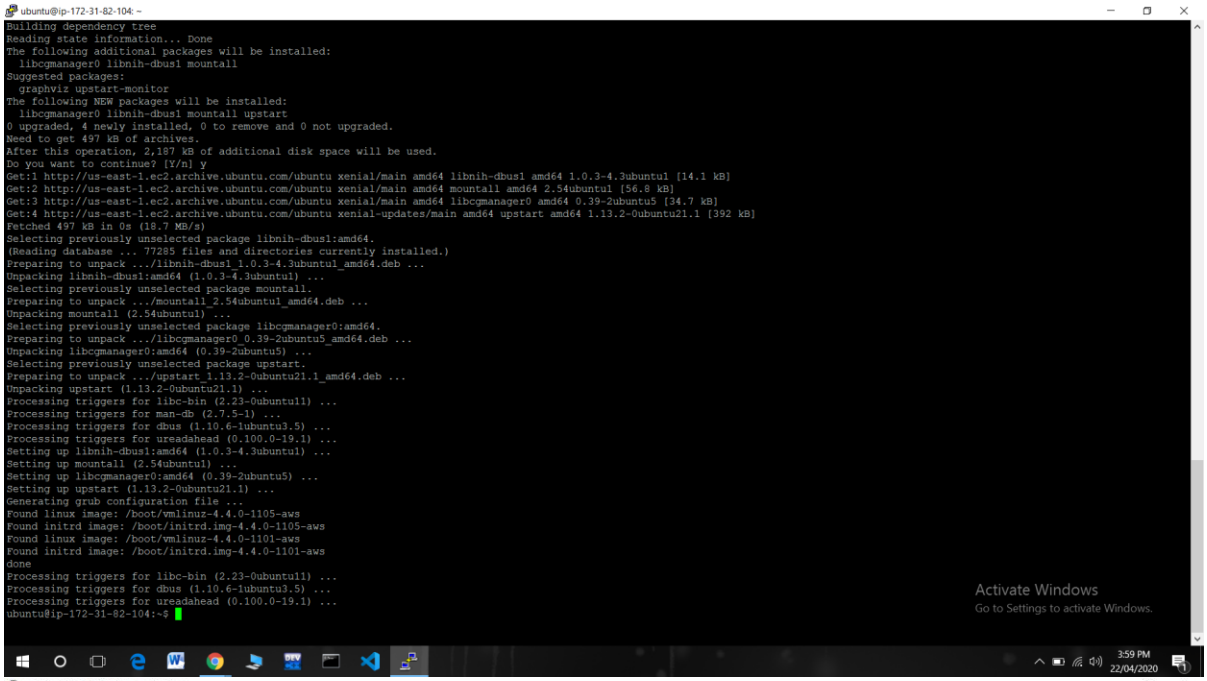

ec2-18-234-241-201.compute-1.amazonaws.com - PuTTY
PuTTY Security Alert
The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.
The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 255 7a:f7:cb:fb:44:c1:2e:7d:22:bb:06:82:b1:f8:07:0a
If you trust this host, hit Yes to add the key to PuTTY's cache and carry on connecting.
If you want to carry on connecting just once, without adding the key to the cache, hit No.
If you do not trust this host, hit Cancel to abandon the connection.
Yes
No
Cancel
Help
Activate Windows
Go to Settings to activate Windows.
12:29 AM
22/04/2020

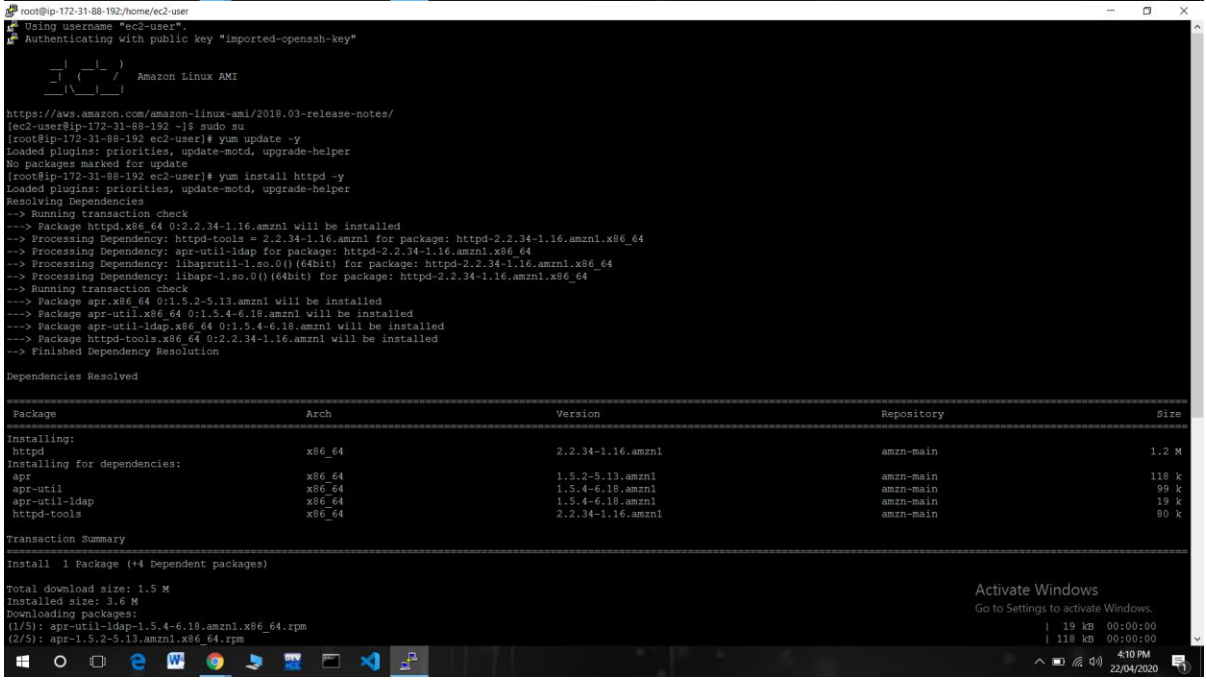

ec2-user@ip-172-31-93-247:~
Using username "ec2-user".
Authenticating with public key "imported-openssh-key"
Amazon Linux AMI
https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
[ec2-user@ip-172-31-93-247 ~]$
Activate Windows
Go to Settings to activate Windows.
12:29 AM
22/04/2020

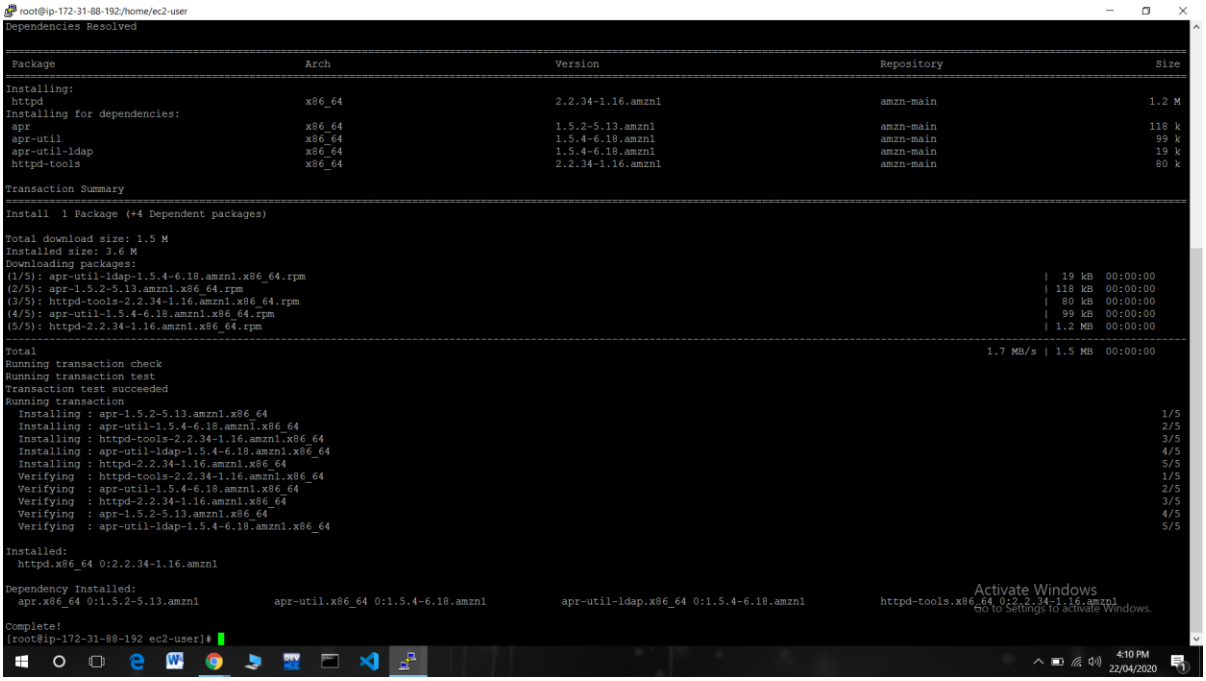

ec2-user@ip-172-31-93-247:~
Using username "ec2-user".
Authenticating with public key "imported-openssh-key"
Last login: Tue Apr 21 19:07:44 2020 from 106.220.146.211
Amazon Linux AMI
https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
[ec2-user@ip-172-31-93-247 ~]$ sudo yum install update
Loaded plugins: priorities, update-motd, upgrade-helper
amzn-main | 2.1 kB 00:00:00
amzn-updates | 2.5 kB 00:00:00
No package update available.
Error: Nothing to do
[ec2-user@ip-172-31-93-247 ~]$ sudo yum install apache2 libapache2-mod-php5 mysql-server php5-mysql php5
Activate Windows
Go to Settings to activate Windows.
12:41 AM
22/04/2020

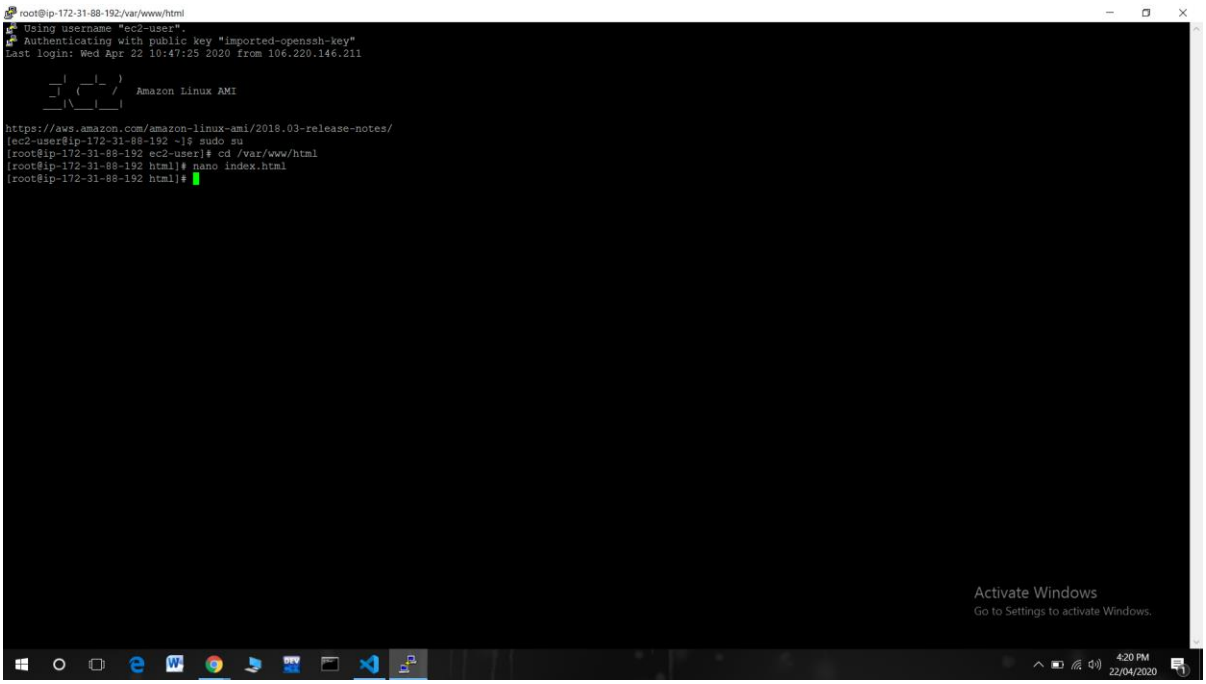

ec2-user@ip-172-31-93-247:~
(7/13): perl-IO-Compress-2.061-2.12.amzn1.noarch.rpm | 298 kB 00:00:00
(8/13): perl-Compress-Raw-Zlib-2.061-4.1.amzn1.x86_64.rpm | 61 kB 00:00:00
(9/13): perl-Net-Daemon-0.48-5.5.amzn1.noarch.rpm | 58 kB 00:00:00
(10/13): perl-PlRPC-0.2020-14.7.amzn1.noarch.rpm | 39 kB 00:00:00
(11/13): perl-DBI-1.627-4.8.amzn1.x86_64.rpm | 855 kB 00:00:00
(12/13): mysql55-5.5.62-1.23.amzn1.x86_64.rpm | 7.5 MB 00:00:01
(13/13): mysql55-server-5.5.62-1.23.amzn1.x86_64.rpm | 13 MB 00:00:02
Total 8.4 MB/s | 23 MB 00:00:02
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : mysql55-libs-5.5.62-1.23.amzn1.x86_64 1/13
Installing : perl-Data-Dumper-2.145-3.5.amzn1.x86_64 2/13
Installing : mysql-config-5.5.62-1.23.amzn1.x86_64 3/13
Installing : mysql55-5.5.62-1.23.amzn1.x86_64 4/13
Installing : perl-Compress-Raw-Bzip2-2.061-3.11.amzn1.x86_64 5/13
Installing : perl-Net-Daemon-0.48-5.5.amzn1.noarch 6/13
Installing : 1:perl-Compress-Raw-Zlib-2.061-4.1.amzn1.x86_64 7/13
Installing : perl-IO-Compress-2.061-2.12.amzn1.noarch 8/13
Installing : perl-PlRPC-0.2020-14.7.amzn1.noarch 9/13
Installing : perl-DBI-1.627-4.8.amzn1.x86_64 10/13
Installing : perl-DBD-MySQL55-4.023-5.23.amzn1.x86_64 11/13
Installing : mysql55-server-5.5.62-1.23.amzn1.x86_64 12/13
Installing : mysql-server-5.5-1.6.amzn1.noarch 13/13
Verifying : perl-DBI-1.627-4.8.amzn1.x86_64 1/13
Verifying : mysql55-server-5.5.62-1.23.amzn1.x86_64 2/13
Verifying : perl-IO-Compress-2.061-2.12.amzn1.noarch 3/13
Verifying : mysql55-5.5.62-1.23.amzn1.x86_64 4/13
Verifying : 1:perl-Compress-Raw-Zlib-2.061-4.1.amzn1.x86_64 5/13
Verifying : mysql55-libs-5.5.62-1.23.amzn1.x86_64 6/13
Verifying : mysql-config-5.5.62-1.23.amzn1.x86_64 7/13
Verifying : perl-DBD-MySQL55-4.023-5.23.amzn1.x86_64 8/13
Verifying : perl-Net-Daemon-0.48-5.5.amzn1.noarch 9/13
Verifying : perl-Compress-Raw-Bzip2-2.061-3.11.amzn1.x86_64 10/13
Verifying : perl-PlRPC-0.2020-14.7.amzn1.noarch 11/13
Verifying : perl-Data-Dumper-2.145-3.5.amzn1.x86_64 12/13
Verifying : mysql-server-5.5-1.6.amzn1.noarch 13/13
Installed:
mysql-server.noarch 0:5.5-1.6.amzn1
Dependency Installed:
mysql-config.x86_64 0:5.5.62-1.23.amzn1
mysql55.x86_64 0:5.5.62-1.23.amzn1
mysql55-libs.x86_64 0:5.5.62-1.23.amzn1
mysql55-server.x86_64 0:5.5.62-1.23.amzn1
perl-Compress-Raw-Bzip2.x86_64 0:2.061-3.11.amzn1
perl-Compress-Raw-Zlib.x86_64 1:2.061-4.1.amzn1
perl-DBD-MySQL55.x86_64 0:4.023-5.23.amzn1
perl-DBI.x86_64 0:1.627-4.8.amzn1
perl-Data-Dumper.x86_64 0:2.145-3.5.amzn1
perl-IO-Compress.noarch 0:2.061-2.12.amzn1
perl-Net-Daemon.noarch 0:0.48-5.5.amzn1
perl-PlRPC.noarch 0:0.2020-14.7.amzn1
Complete!
[ec2-user@ip-172-31-93-247 ~]$
Activate Windows
Go to Settings to activate Windows.
12:41 AM
22/04/2020

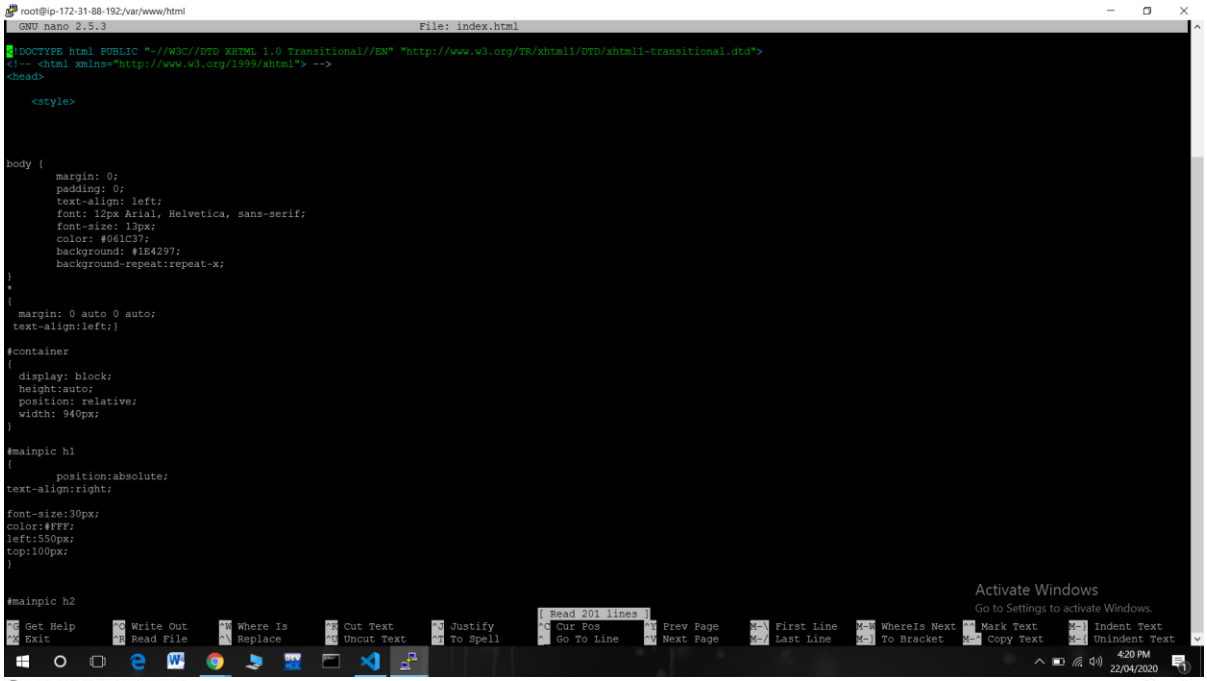

ubuntu@ip-172-31-82-104: ~
ubuntu@ip-172-31-82-104:~$ sudo ufw app list
Available applications:
Apache
Apache Full
Apache Secure
OpenSSH
ubuntu@ip-172-31-82-104:~$ sudo ufw allow 'Apache Full'
Skipping adding existing rule
Skipping adding existing rule (v6)
ubuntu@ip-172-31-82-104:~$ sudo ufw status
Status: inactive
ubuntu@ip-172-31-82-104:~$ apache2 -vapache2 -v
Server version: Apache/2.4.18 (Ubuntu)
Server built: 2019-10-08T13:31:25
ubuntu@ip-172-31-82-104:~$ sudo apache2ctl start
httpd (pid 20246) already running
ubuntu@ip-172-31-82-104:~$ sudo systemctl status apache2
apache2.service - LSB: Apache2 web server
Loaded: loaded (/etc/init.d/apache2; bad; vendor preset: enabled)
Drop-In: /lib/systemd/system/apache2.service.d
└─apache2-systemd.conf
Active: active (running) since Tue 2020-04-21 19:46:55 UTC; 14h ago
Docs: man:systemd-sysv-generator(8)
Tasks: 55
Memory: 2.3M
CPU: 31.030s
CGroup: /system.slice/apache2.service
├─20246 /usr/sbin/apache2 -k start
├─20249 /usr/sbin/apache2 -k start
└─20250 /usr/sbin/apache2 -k start
Apr 21 19:46:54 ip-172-31-82-104 systemd[1]: Stopped LSB: Apache2 web server.
Apr 21 19:46:54 ip-172-31-82-104 systemd[1]: Starting LSB: Apache2 web server...
Apr 21 19:46:54 ip-172-31-82-104 apache2[20227]: * Starting Apache httpd web server apache2
Apr 21 19:46:55 ip-172-31-82-104 apache2[20227]: *
Apr 21 19:46:55 ip-172-31-82-104 systemd[1]: Started LSB: Apache2 web server.
ubuntu@ip-172-31-82-104:~$
Activate Windows
Go to Settings to activate Windows.
3:55 PM
22/04/2020

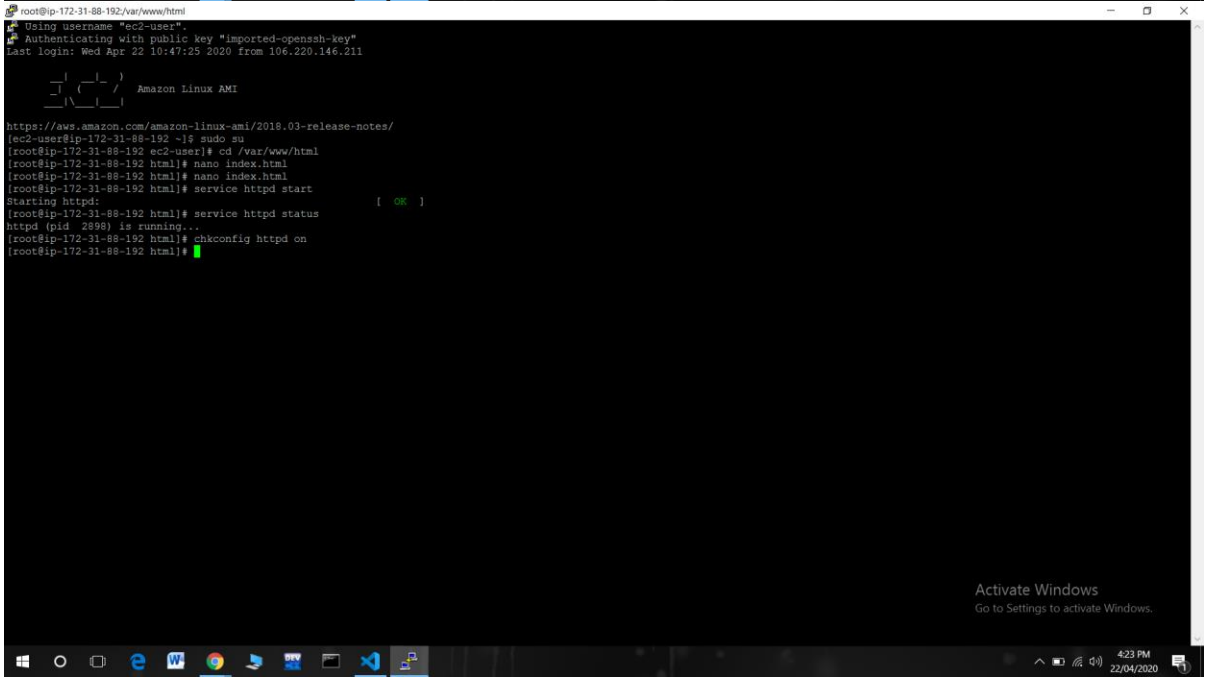

ubuntu@ip-172-31-82-104: ~
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
libcgmanager0 libnih-dbus1 mountall
Suggested packages:
graphviz upstart-monitor
The following NEW packages will be installed:
libcgmanager0 libnih-dbus1 mountall upstart
0 upgraded, 4 newly installed, 0 to remove and 0 not upgraded.
Need to get 497 kB of archives.
After this operation, 2,187 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial/main amd64 libnih-dbus1 amd64 1.0.3-4.3ubuntu1 [14.1 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial/main amd64 mountall amd64 2.54ubuntu1 [56.8 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial/main amd64 libcgmanager0 amd64 0.39-2ubuntu5 [34.7 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu xenial-updates/main amd64 upstart amd64 1.13.2-0ubuntu21.1 [392 kB]
Fetched 497 kB in 0s (18.7 MB/s)
Selecting previously unselected package libnih-dbus1:amd64.
(Reading database ... 77285 files and directories currently installed.)
Preparing to unpack .../libnih-dbus1_1.0.3-4.3ubuntu1_amd64.deb ...
Unpacking libnih-dbus1:amd64 (1.0.3-4.3ubuntu1) ...
Selecting previously unselected package mountall.
Preparing to unpack .../mountall_2.54ubuntu1_amd64.deb ...
Unpacking mountall (2.54ubuntu1) ...
Selecting previously unselected package libcgmanager0:amd64.
Preparing to unpack .../libcgmanager0_0.39-2ubuntu5_amd64.deb ...
Unpacking libcgmanager0:amd64 (0.39-2ubuntu5) ...
Selecting previously unselected package upstart.
Preparing to unpack .../upstart_1.13.2-0ubuntu21.1_amd64.deb ...
Unpacking upstart (1.13.2-0ubuntu21.1) ...
Processing triggers for libc-bin (2.23-0ubuntu11) ...
Processing triggers for man-db (2.7.5-1) ...
Processing triggers for dbus (1.10.6-1ubuntu3.5) ...
Processing triggers for ureadahead (0.100.0-19.1) ...
Setting up libnih-dbus1:amd64 (1.0.3-4.3ubuntu1) ...
Setting up mountall (2.54ubuntu1) ...
Setting up libcgmanager0:amd64 (0.39-2ubuntu5) ...
Setting up upstart (1.13.2-0ubuntu21.1) ...
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-4.4.0-1105-aws
Found initrd image: /boot/initrd.img-4.4.0-1105-aws
Found linux image: /boot/vmlinuz-4.4.0-1101-aws
Found initrd image: /boot/initrd.img-4.4.0-1101-aws
done
Processing triggers for libc-bin (2.23-0ubuntu11) ...
Processing triggers for dbus (1.10.6-1ubuntu3.5) ...
Processing triggers for ureadahead (0.100.0-19.1) ...
ubuntu@ip-172-31-82-104:~$
Activate Windows
Go to Settings to activate Windows.
3:59 PM
22/04/2020


root@ip-172-31-88-192:/home/ec2-user
Using username "ec2-user".
Authenticating with public key "imported-openssh-key"
Amazon Linux AMI
https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
[ec2-user@ip-172-31-88-192 ~]$ sudo su
[root@ip-172-31-88-192 ec2-user]# yum update -y
Loaded plugins: priorities, update-motd, upgrade-helper
No packages marked for update
[root@ip-172-31-88-192 ec2-user]# yum install httpd -y
Loaded plugins: priorities, update-motd, upgrade-helper
Resolving Dependencies
--> Running transaction check
---> Package httpd.x86_64 0:2.2.34-1.16.amzn1 will be installed
--> Processing Dependency: httpd-tools = 2.2.34-1.16.amzn1 for package: httpd-2.2.34-1.16.amzn1.x86_64
--> Processing Dependency: apr-util-ldap for package: httpd-2.2.34-1.16.amzn1.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.2.34-1.16.amzn1.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.2.34-1.16.amzn1.x86_64
--> Running transaction check
---> Package apr.x86_64 0:1.5.2-5.13.amzn1 will be installed
---> Package apr-util.x86_64 0:1.5.4-6.18.amzn1 will be installed
---> Package apr-util-ldap.x86_64 0:1.5.4-6.18.amzn1 will be installed
---> Package httpd-tools.x86_64 0:2.2.34-1.16.amzn1 will be installed
--> Finished Dependency Resolution
Dependencies Resolved
Package Arch Version Repository Size
Installing:
httpd x86_64 2.2.34-1.16.amzn1 amzn-main 1.2 M
Installing for dependencies:
apr x86_64 1.5.2-5.13.amzn1 amzn-main 118 k
apr-util x86_64 1.5.4-6.18.amzn1 amzn-main 99 k
apr-util-ldap x86_64 1.5.4-6.18.amzn1 amzn-main 19 k
httpd-tools x86_64 2.2.34-1.16.amzn1 amzn-main 80 k
Transaction Summary
Install 1 Package (+4 Dependent packages)
Total download size: 1.5 M
Installed size: 3.6 M
Downloading packages:
(1/5): apr-util-ldap-1.5.4-6.18.amzn1.x86_64.rpm | 19 kB 00:00:00
(2/5): apr-1.5.2-5.13.amzn1.x86_64.rpm | 118 kB 00:00:00
Activate Windows
Go to Settings to activate Windows.
4:10 PM
22/04/2020


root@ip-172-31-88-192:/home/ec2-user
Dependencies Resolved
Package Arch Version Repository Size
Installing:
httpd x86_64 2.2.34-1.16.amzn1 amzn-main 1.2 M
Installing for dependencies:
apr x86_64 1.5.2-5.13.amzn1 amzn-main 118 k
apr-util x86_64 1.5.4-6.18.amzn1 amzn-main 99 k
apr-util-ldap x86_64 1.5.4-6.18.amzn1 amzn-main 19 k
httpd-tools x86_64 2.2.34-1.16.amzn1 amzn-main 80 k
Transaction Summary
Install 1 Package (+4 Dependent packages)
Total download size: 1.5 M
Installed size: 3.6 M
Downloading packages:
(1/5): apr-util-ldap-1.5.4-6.18.amzn1.x86_64.rpm | 19 kB 00:00:00
(2/5): apr-1.5.2-5.13.amzn1.x86_64.rpm | 118 kB 00:00:00
(3/5): httpd-tools-2.2.34-1.16.amzn1.x86_64.rpm | 80 kB 00:00:00
(4/5): apr-util-1.5.4-6.18.amzn1.x86_64.rpm | 99 kB 00:00:00
(5/5): httpd-2.2.34-1.16.amzn1.x86_64.rpm | 1.2 MB 00:00:00
Total 1.7 MB/s | 1.5 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : apr-1.5.2-5.13.amzn1.x86_64 1/5
Installing : apr-util-1.5.4-6.18.amzn1.x86_64 2/5
Installing : httpd-tools-2.2.34-1.16.amzn1.x86_64 3/5
Installing : apr-util-ldap-1.5.4-6.18.amzn1.x86_64 4/5
Installing : httpd-2.2.34-1.16.amzn1.x86_64 5/5
Verifying : httpd-tools-2.2.34-1.16.amzn1.x86_64 1/5
Verifying : apr-util-1.5.4-6.18.amzn1.x86_64 2/5
Verifying : httpd-2.2.34-1.16.amzn1.x86_64 3/5
Verifying : apr-1.5.2-5.13.amzn1.x86_64 4/5
Verifying : apr-util-ldap-1.5.4-6.18.amzn1.x86_64 5/5
Installed:
httpd.x86_64 0:2.2.34-1.16.amzn1
Dependency Installed:
apr.x86_64 0:1.5.2-5.13.amzn1 apr-util.x86_64 0:1.5.4-6.18.amzn1 apr-util-ldap.x86_64 0:1.5.4-6.18.amzn1 httpd-tools.x86_64 0:2.2.34-1.16.amzn1
Complete!
[root@ip-172-31-88-192 ec2-user]#
Activate Windows
Go to Settings to activate Windows.
4:10 PM
22/04/2020


root@ip-172-31-88-192:/var/www/html
Using username "ec2-user".
Authenticating with public key "imported-openssh-key"
Last login: Wed Apr 22 10:47:25 2020 from 106.220.146.211
Amazon Linux AMI
https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
[ec2-user@ip-172-31-88-192 ~]$ sudo su
[root@ip-172-31-88-192 ec2-user]# cd /var/www/html
[root@ip-172-31-88-192 html]# nano index.html
[root@ip-172-31-88-192 html]#
Activate Windows
Go to Settings to activate Windows.
4:20 PM
22/04/2020


root@ip-172-31-88-192:/var/www/html
GNU nano 2.5.3 File: index.html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<!-- <html xmlns="http://www.w3.org/1999/xhtml"> -->
<head>
<style>
body {
margin: 0;
padding: 0;
text-align: left;
font: 12px Arial, Helvetica, sans-serif;
font-size: 13px;
color: #061C37;
background: #1E4297;
background-repeat:repeat-x;
}
*
{
margin: 0 auto 0 auto;
text-align:left;}
#container
{
display: block;
height:auto;
position: relative;
width: 940px;
}
#mainpic h1
{
position:absolute;
text-align:right;
font-size:30px;
color:#FFF;
left:550px;
top:100px;
}
#mainpic h2
[Read 201 lines]
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos ^Y Prev Page M-\ First Line M-W WhereIs Next ^] Mark Text M-} Indent Text
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line ^V Next Page M-/ Last Line M-] To Bracket M-^ Copy Text M-{ Unindent Text
Activate Windows
Go to Settings to activate Windows.
4:20 PM
22/04/2020


root@ip-172-31-88-192:/var/www/html
Using username "ec2-user".
Authenticating with public key "imported-openssh-key"
Last login: Wed Apr 22 10:47:25 2020 from 106.220.146.211
Amazon Linux AMI
https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
[ec2-user@ip-172-31-88-192 ~]$ sudo su
[root@ip-172-31-88-192 ec2-user]# cd /var/www/html
[root@ip-172-31-88-192 html]# nano index.html
[root@ip-172-31-88-192 html]# nano index.html
[root@ip-172-31-88-192 html]# service httpd start
Starting httpd: [OK]
[root@ip-172-31-88-192 html]# service httpd status
httpd (pid 2898) is running...
[root@ip-172-31-88-192 html]# chkconfig httpd on
[root@ip-172-31-88-192 html]#
Activate Windows
Go to Settings to activate Windows.
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Instances | EC2 Management Co
184.73.59.24
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