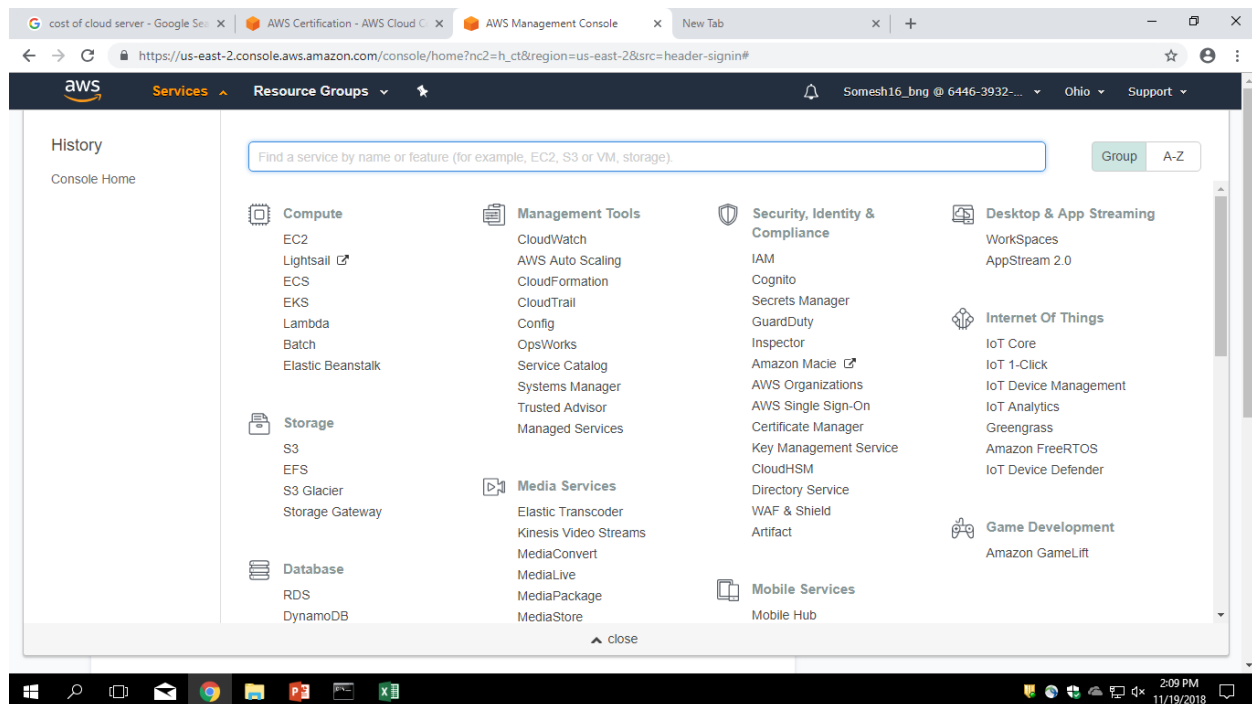
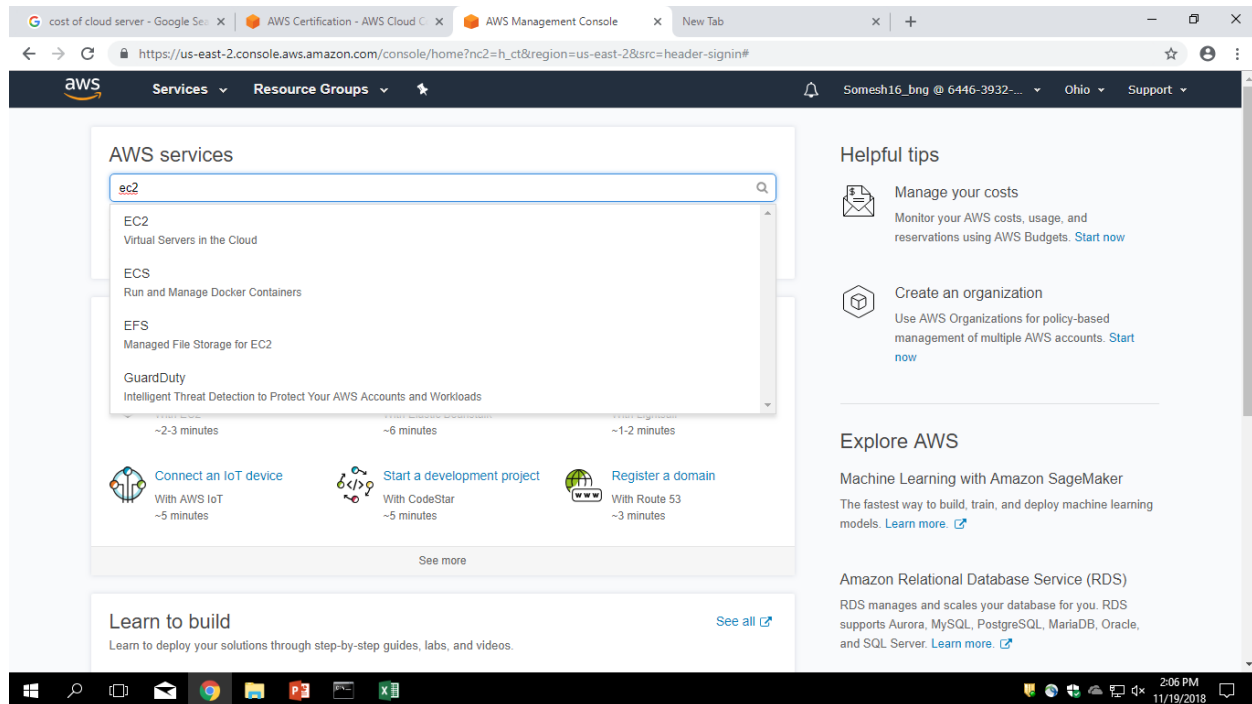


Creation of Ec2 instance



cost of cloud server - Google Search | AWS Certification - AWS Cloud C... | EC2 Management Console | New Tab

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Home:

aws Services Resource Groups

EC2 Dashboard

- Events
- Tags
- Reports
- Limits
- INSTANCES
 - Instances
 - Launch Templates
 - Spot Requests
 - Reserved Instances
 - Dedicated Hosts
 - Capacity Reservations
- IMAGES
 - AMIs
 - Bundle Tasks
- ELASTIC BLOCK STORE
 - Volumes
 - Snapshots
 - Lifecycle Manager
- NETWORK & SECURITY

Resources

You are using the following Amazon EC2 resources in the US East (Ohio) region:

0 Running Instances	0 Elastic IPs
0 Dedicated Hosts	0 Snapshots
0 Volumes	0 Load Balancers
17 Key Pairs	12 Security Groups
0 Placement Groups	

Learn more about the latest in AWS Compute from AWS re:Invent 2017 by viewing the [EC2 Videos](#).

Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

[Launch Instance](#)

Note: Your instances will launch in the US East (Ohio) region

Service Health

Service Status:

US East (Ohio):

US East (Ohio): No events

Availability Zone Status:

Account Attributes

Supported Platforms

VPC

Default VPC

vpc-e546788d

Resource ID length management

Console experiments

Additional Information

[Getting Started Guide](#)

[Documentation](#)

[All EC2 Resources](#)

[Forums](#)

[Pricing](#)

[Contact Us](#)

AWS Marketplace

Find free software trial products in the AWS Marketplace from the [EC2 Launch Wizard](#). Or try these popular AMIs:

[Barracuda CloudGen Firewall for AWS](#)

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2:10 PM 11/19/2018

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https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws Services Resource Groups

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

My AMIs

AWS Marketplace

Community AMIs

☐ Free tier only

Amazon Linux **Free tier eligible**

Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-0b59bfac6be064b78 [Select](#)

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

64-bit (x86)

Amazon Linux **Free tier eligible**

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0350c5670171b5391 [Select](#)

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

64-bit (x86)

Red Hat **Free tier eligible**

Red Hat Enterprise Linux 7.5 (HVM), SSD Volume Type - ami-03291866 [Select](#)

Red Hat Enterprise Linux version 7.5 (HVM), EBS General Purpose (SSD) Volume Type

Root device type: ebs Virtualization type: hvm

64-bit (x86)

SUSE Linux Enterprise Server 15 (HVM), SSD Volume Type - ami-0eb9f58db22854f8f [Select](#)

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->Select Amazon linux ami

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https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws Services Resource Groups

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
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes

Cancel Previous **Review and Launch** Next: Configure Instance Details

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Windows Taskbar: 2:15 PM 11/19/2018

->choose free tiers only

->next: configure instance details

->

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https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws Services Resource Groups

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-e546788d (default) [Create new VPC](#)

Subnet: No preference (default subnet in any Availability Zone) [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](#)

Warning: You do not have permissions to list instance profiles. Contact your administrator, or check your IAM permissions.

Cancel Previous **Review and Launch** Next: Add Storage

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Windows Taskbar: 2:17 PM 11/19/2018

Step 4 : Add Storage (default)

EC2 Management Console

Services Resource Groups

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	Encrypted
Root	/dev/xvda	snap-05aded73e813e8ff2	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	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](#)

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Step 5: Add tags

EC2 Management Console

Services Resource Groups

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	Value	Instances	Volumes
(127 characters maximum)	(255 characters maximum)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

[Add another tag](#) (Up to 50 tags maximum)

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Security Group](#)

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Step 6: Configure security group

EC2 Management Console

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws Services Resource Groups

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:

Description:

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**

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Step 7: Click on launch

EC2 Management Console

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws Services Resource Groups

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, sumanth, 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-0b59bfac6be064b78

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

Cancel Previous **Launch**

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EC2 Management Console

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

Services Resource Groups

Sumanth2_bng @ 6446-3932-... Ohio 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

Security Groups [Edit security groups](#)

Security group name: sumanth
Description: launch-wizard-8 created 2018-11-19T14:24:09.000+05:30

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	0.0.0.0/0	
SSH	TCP	22	:::0	
Custom TCP Rule	TCP	8080	0.0.0.0/0	
Custom TCP Rule	TCP	8080	:::0	

Instance Details [Edit instance details](#)

Storage [Edit storage](#)

Tags [Edit tags](#)

[Cancel](#) [Previous](#) [Launch](#)

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Step 8: Create a new key pair and click on launch instance

EC2 Management Console

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

Services Resource Groups

Sumanth2_bng @ 6446-3932-... Ohio 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

Security Groups [Edit security groups](#)

Security group name: sumanth
Description: launch-wizard-8

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	0.0.0.0/0	
SSH	TCP	22	:::0	
Custom TCP Rule	TCP	8080	0.0.0.0/0	
Custom TCP Rule	TCP	8080	:::0	

Instance Details [Edit instance details](#)

Storage [Edit storage](#)

Tags [Edit tags](#)

[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](#).

Choose an existing key pair

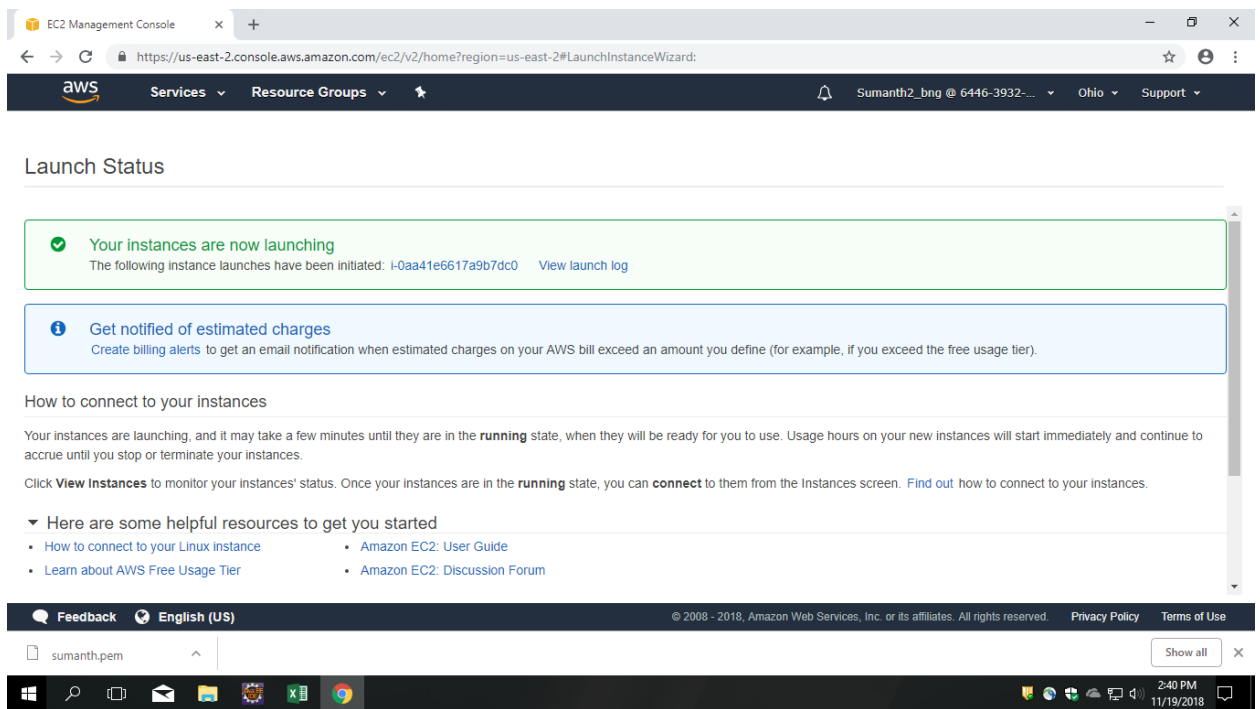
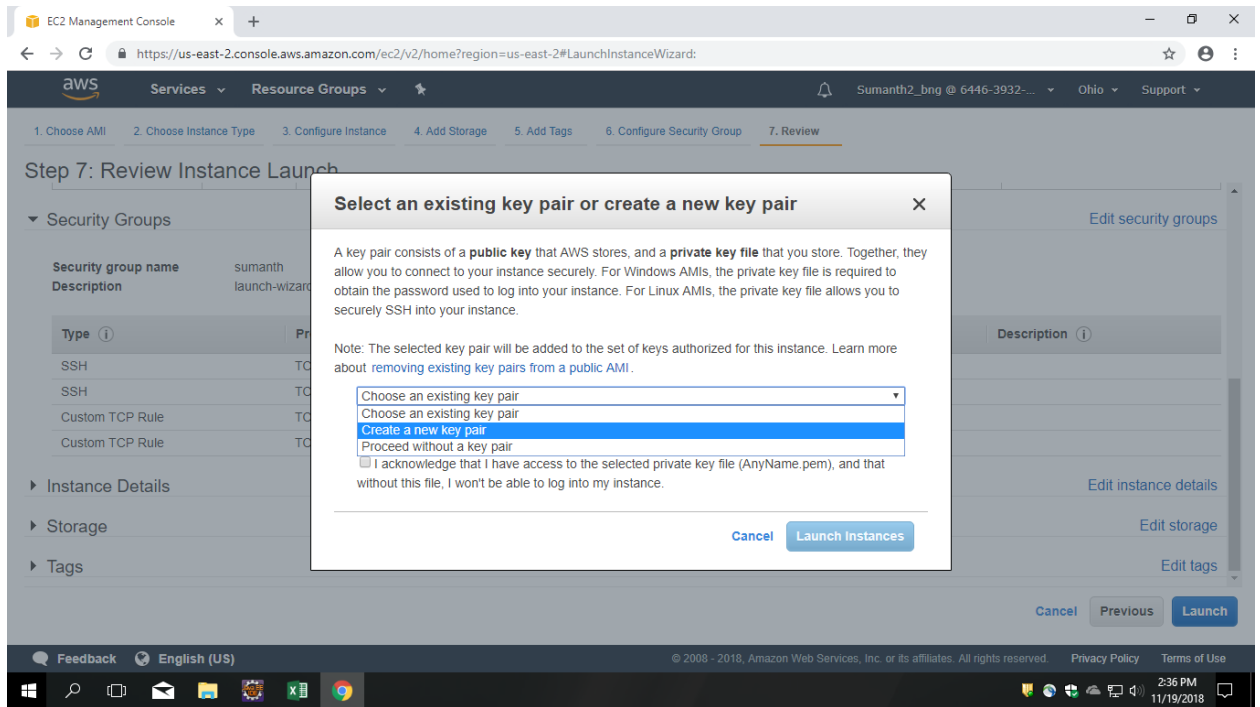
Select a key pair

AnyName

☐ I acknowledge that I have access to the selected private key file (AnyName.pem), and that without this file, I won't be able to log into my instance.

[Cancel](#) [Launch Instances](#)

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Step 9: Click on view instances

The screenshot shows the 'Launch Status' page in the AWS Management Console. The page title is 'Launch Status'. Below the title, there is a section 'How to connect to your instances' with text explaining that instances are launching and will be ready in the 'running' state. It also provides a link to 'View Instances' to monitor their status. Below this, there are 'Helpful resources to get you started' including links to 'How to connect to your Linux instance', 'Amazon EC2: User Guide', 'Learn about AWS Free Usage Tier', and 'Amazon EC2: Discussion Forum'. At the bottom of the main content area, there are links to 'Create status check alarms', 'Create and attach additional EBS volumes', and 'Manage security groups'. A blue 'View Instances' button is located at the bottom right of the content area. The console header shows the user is logged in as 'Sumanth2_bng' and the region is 'Ohio'. The footer includes 'Feedback', 'English (US)', and copyright information.

Launch Status

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](#)
- [Amazon EC2: User Guide](#)
- [Learn about AWS Free Usage Tier](#)
- [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. (Additional charges may apply)
- [Create and attach additional EBS volumes](#) (Additional charges may apply)
- [Manage security groups](#)

[View Instances](#)

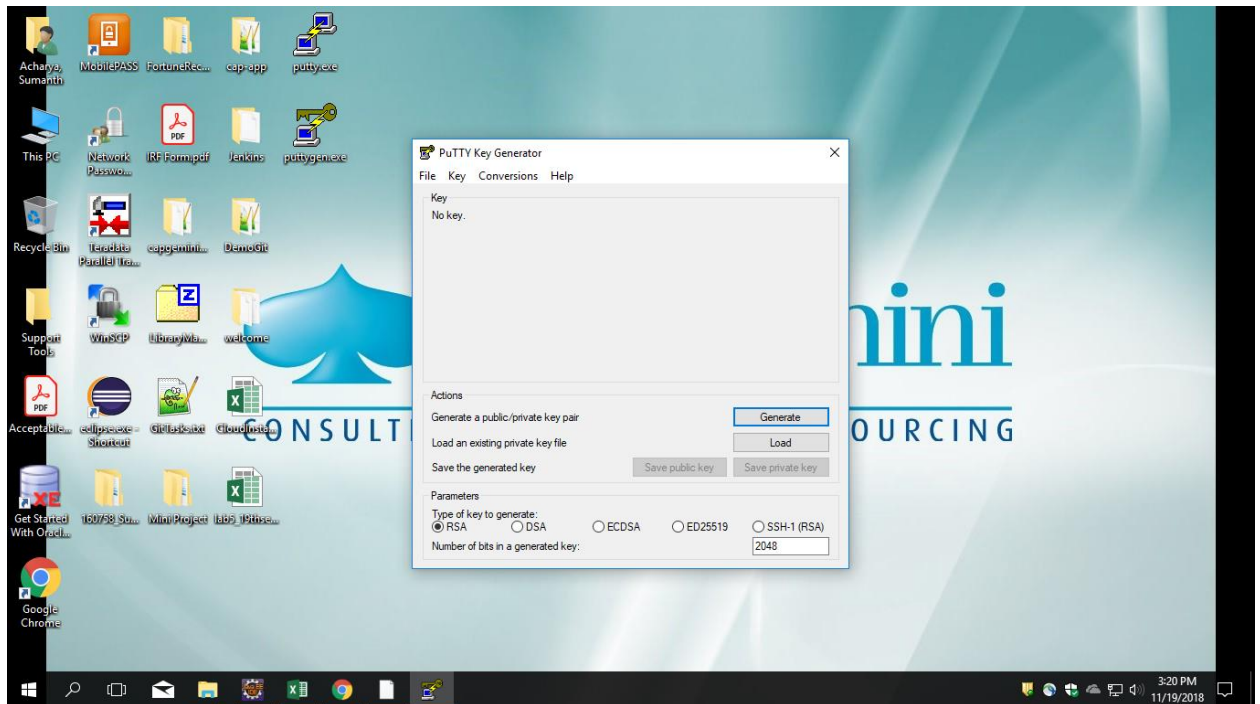
The screenshot shows the 'Instances' page in the AWS Management Console. The left sidebar contains a navigation menu with options like 'EC2 Dashboard', 'Events', 'Tags', 'Reports', 'Limits', 'INSTANCES', 'Instances' (selected), 'Launch Templates', 'Spot Requests', 'Reserved Instances', 'Dedicated Hosts', 'Capacity', 'Reservations', 'IMAGES', 'AMIs', 'Bundle Tasks', 'ELASTIC BLOCK STORE', and 'Volumes'. The main content area has a table of instances. The table has columns: Name, Instance ID, Instance Type, Availability Zone, Instance State, Status Checks, Alarm Status, Public DNS (IPv4), and IPv4. There are 10 instances listed, all with the name 'tomcat'. The first instance is in the 'running' state, while the others are in the 'initializing' state. A 'Launch Instance' button is visible at the top left of the main content area. The console header shows the user is logged in as 'Sumanth2_bng' and the region is 'Ohio'. The footer includes 'Feedback', 'English (US)', and copyright information.

Instances

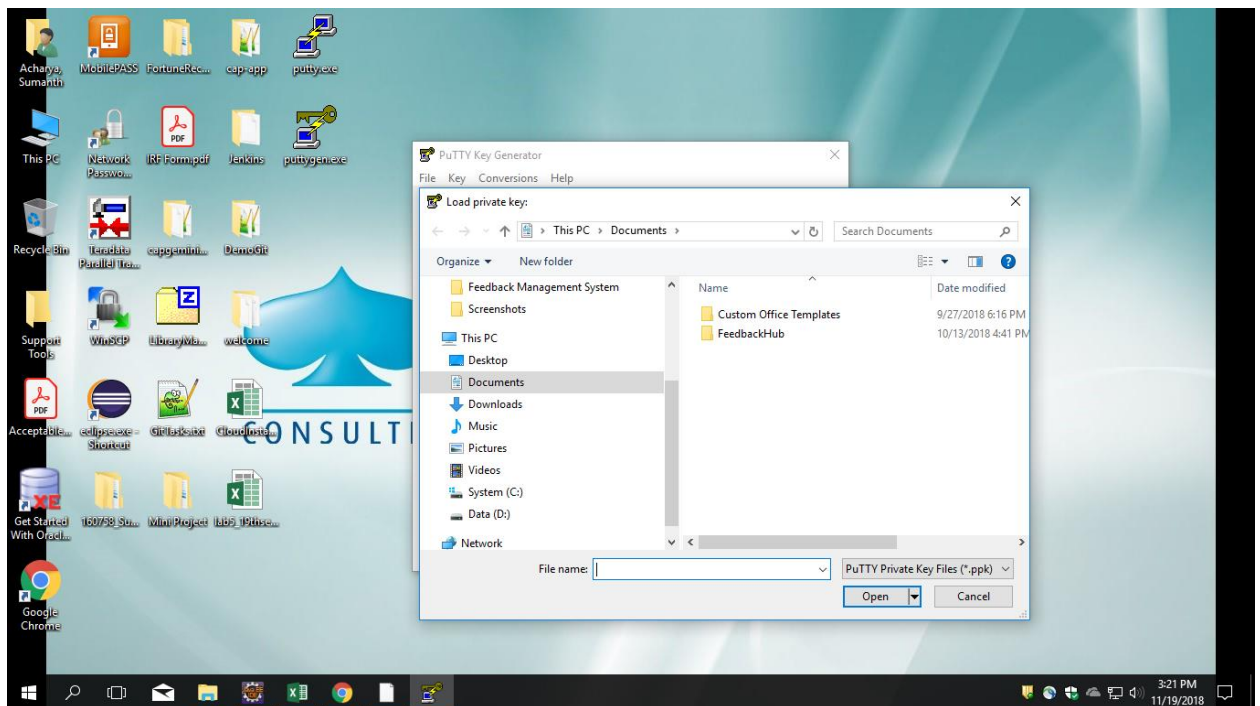
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4
tomcat	i-0000000000000000	t2.micro	us-east-2c	running	Initializing	None	ec2-3-16-100-100.us-east-2...	3.16
tomcat	i-0aa41e6617a9b7dc0	t2.micro	us-east-2b	running	Initializing	None	ec2-3-16-100-100.us-east-2...	3.16
tomcat	i-0aa85206e729f5b9b	t2.micro	us-east-2b	running	Initializing	None	ec2-3-16-100-100.us-east-2...	3.16
tomcat	i-0ba70a262521bbca0	t2.micro	us-east-2c	running	Initializing	None	ec2-3-16-100-100.us-east-2...	3.16
tomcat	i-0cf472009028b9ce9	t2.micro	us-east-2b	running	Initializing	None	ec2-3-16-100-100.us-east-2...	3.16
tomcat	i-0d51efea892dd303d	t2.micro	us-east-2c	running	Initializing	None	ec2-3-16-100-100.us-east-2...	3.16
tomcat	i-0dec080ce051b9731	t2.micro	us-east-2c	running	Initializing	None	ec2-3-16-100-100.us-east-2...	3.16
tomcat	i-0e7de43f9d50b152b	t2.micro	us-east-2b	running	Initializing	None	ec2-3-16-100-100.us-east-2...	3.16

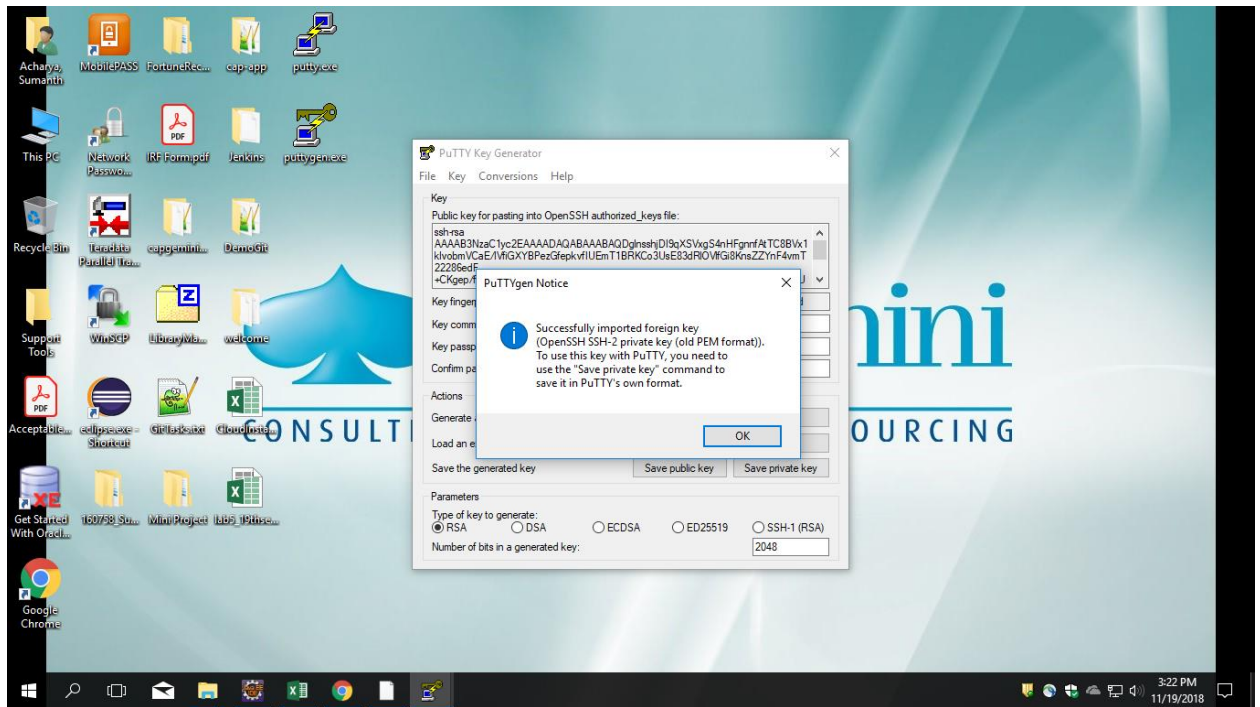
Step 10: Click on launch instance

Step 12: Open puttygen.exe

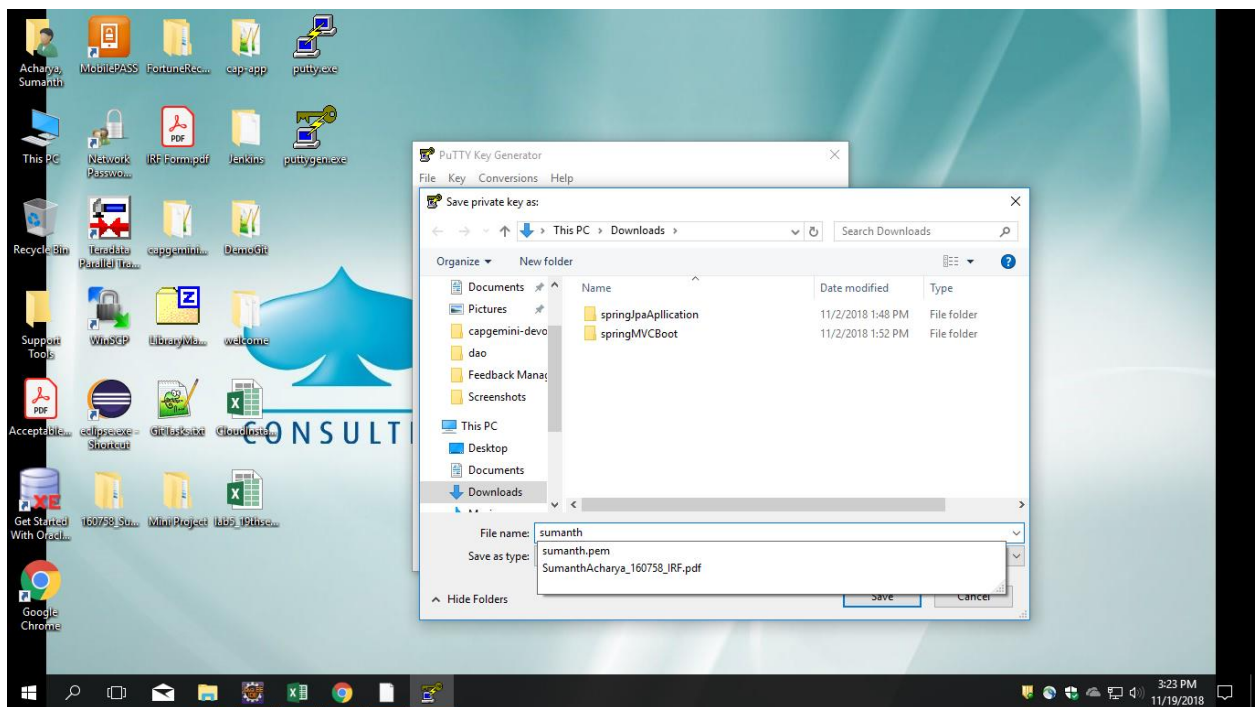


Step 13: Click on Load, and select any file for type of file.

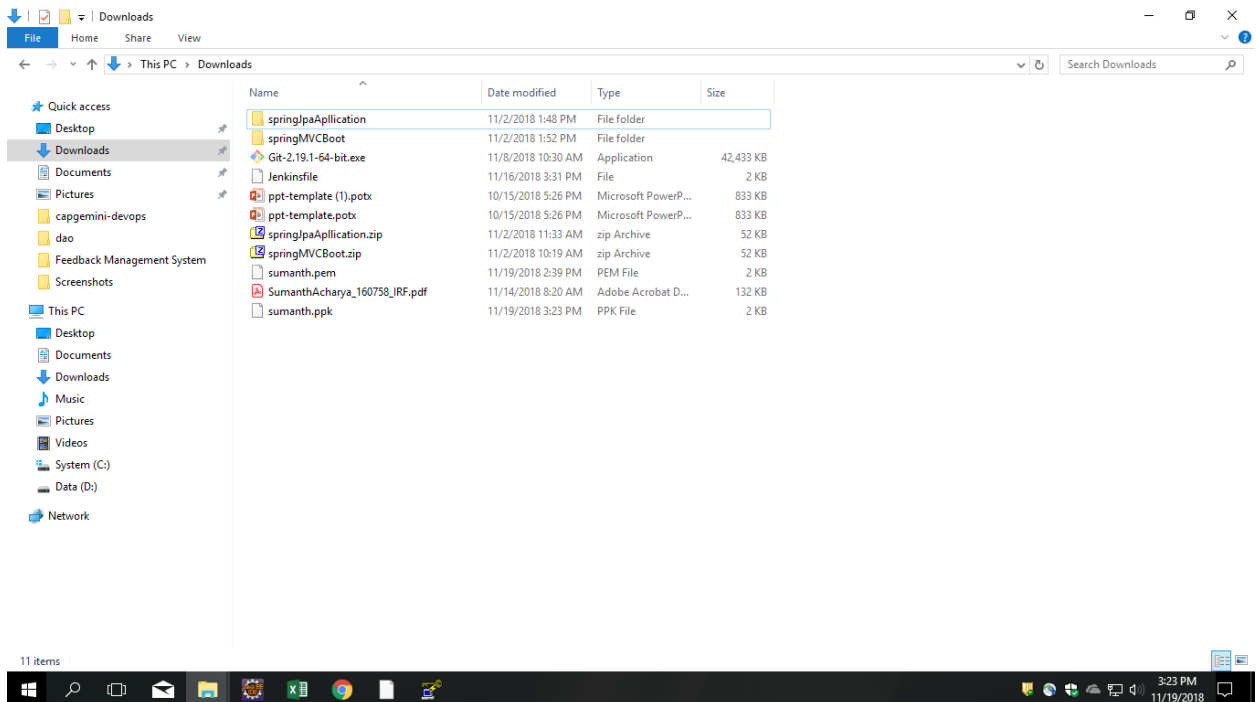
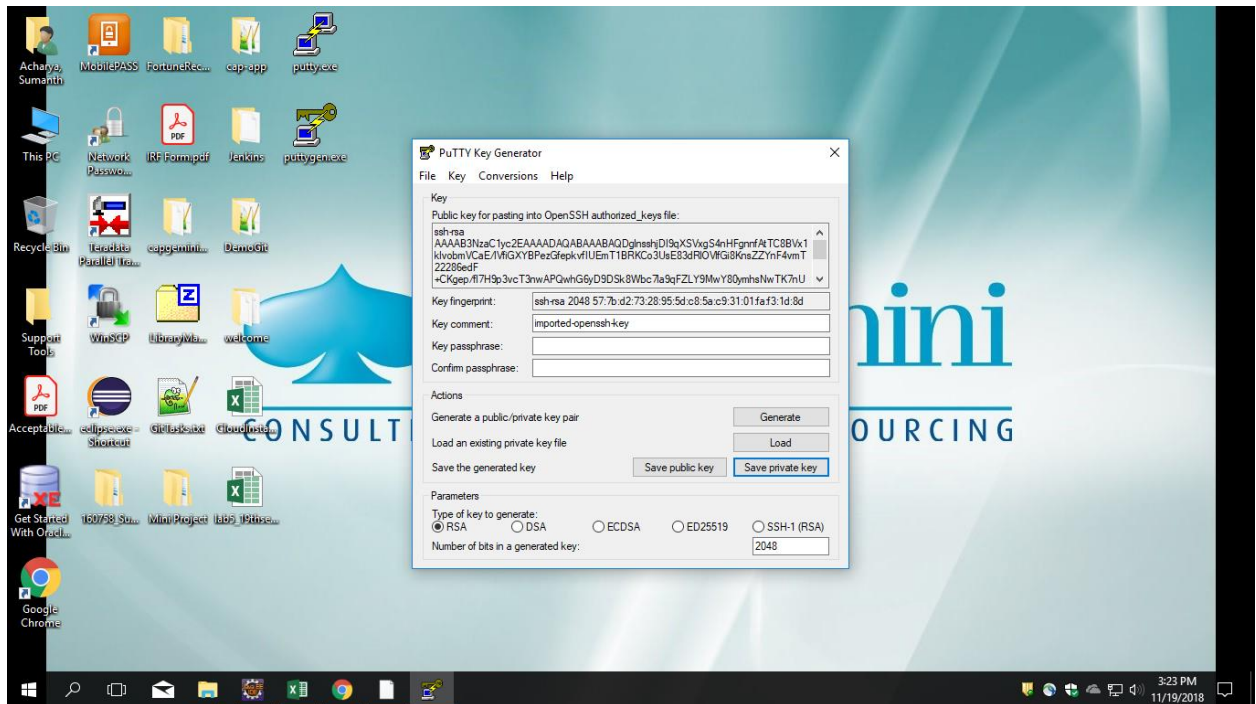




Step 13: Open Putty.exe
Select the pem file which you have created using puttygen.exe.



Then save private key.



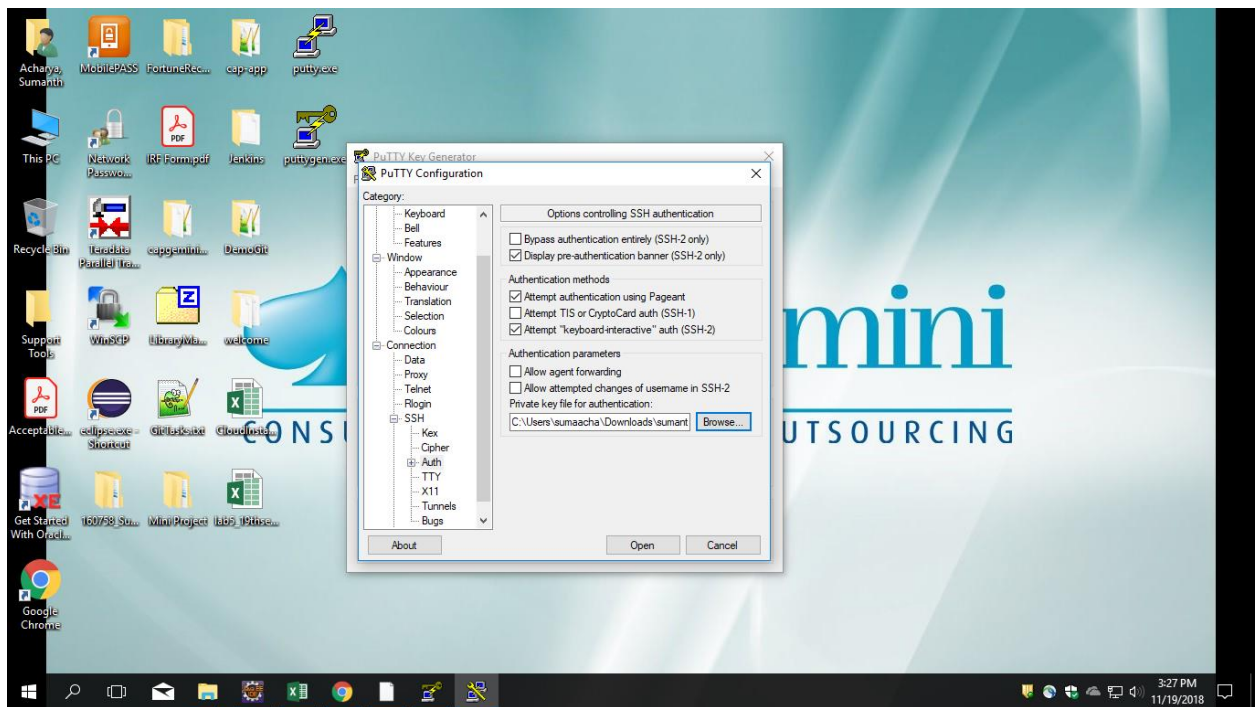
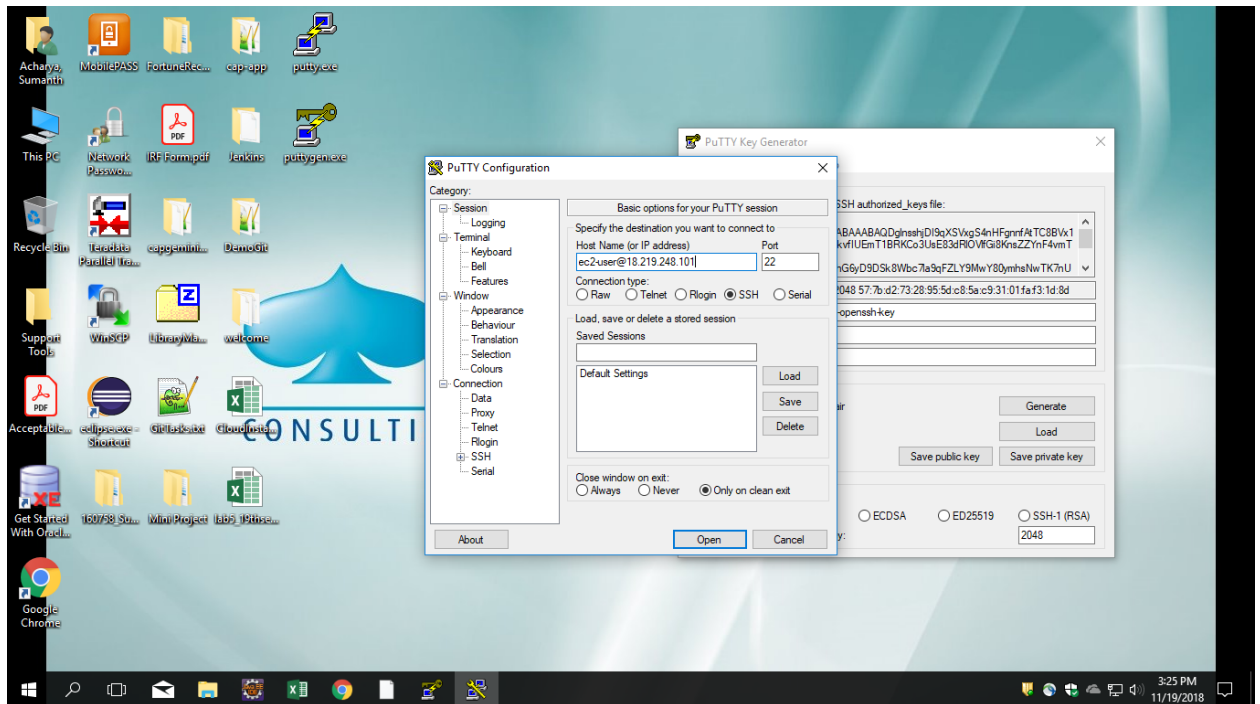
Step 14: Select .ppk file.

Add host name (ec2-user@(Public ip of your instance id))

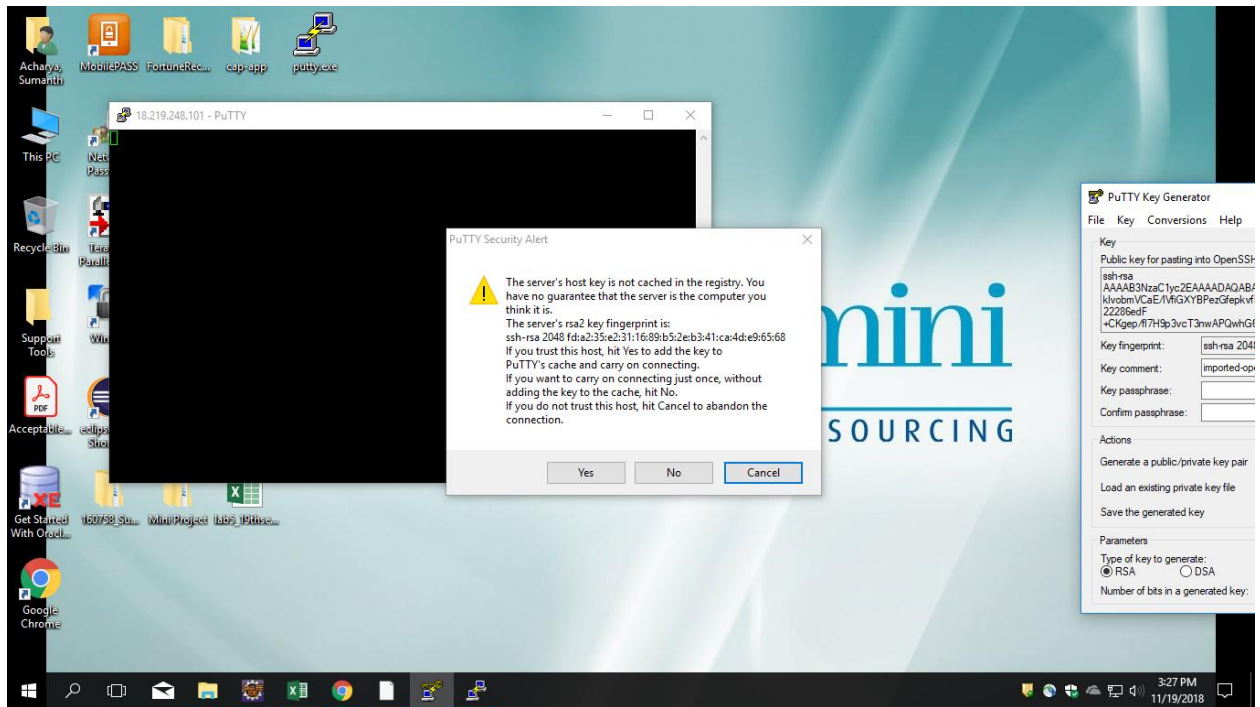
Expand SSH

Then select AUTH

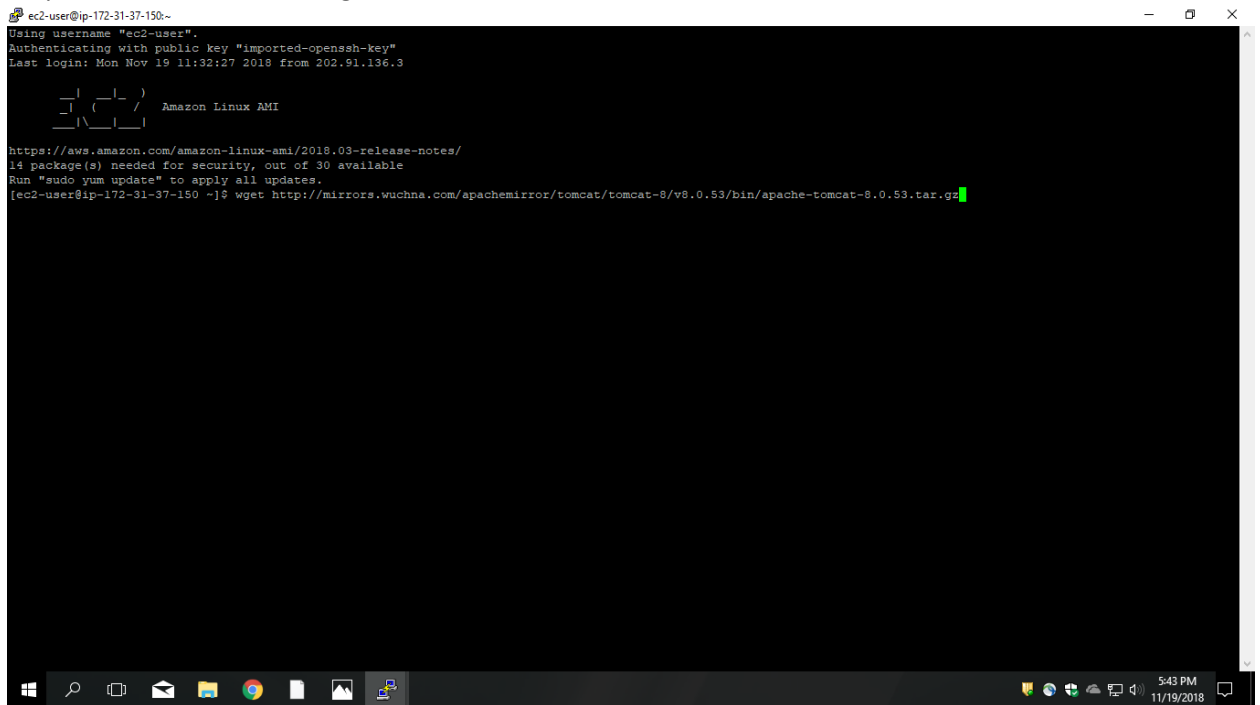
Then browse .ppk file location and click open.

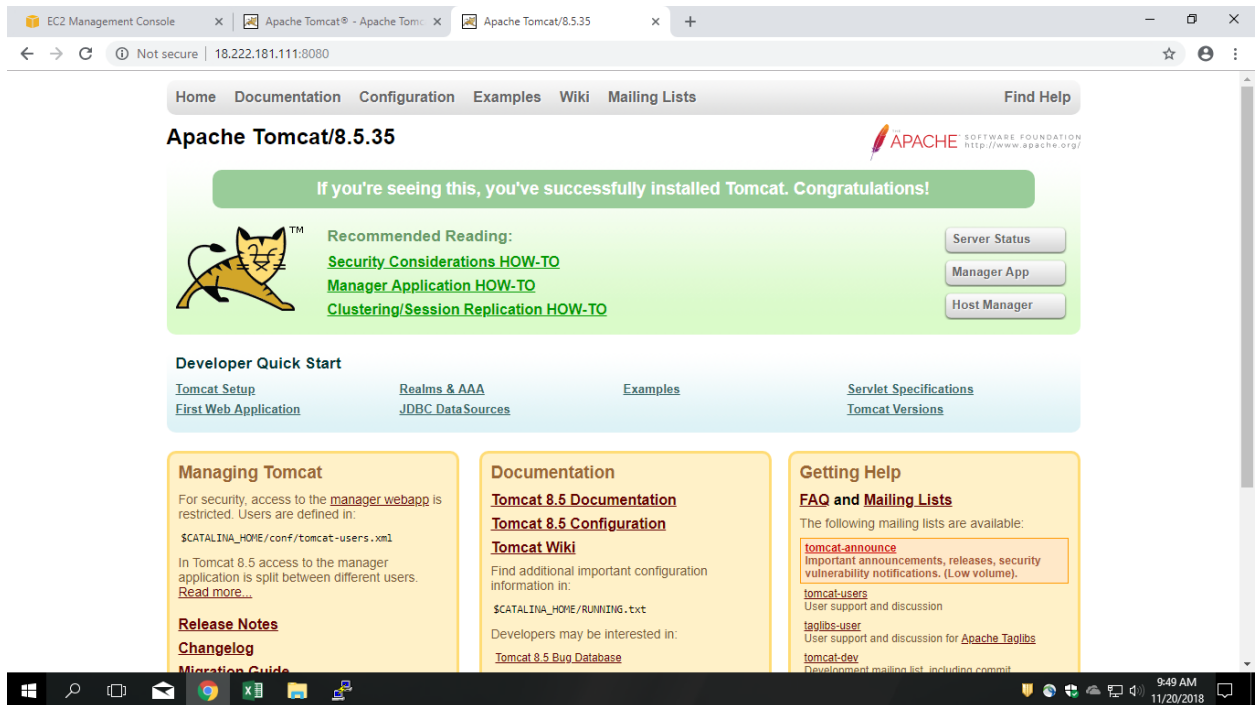


Step 15: Click yes.



Step 16: Follow the following commands.





Step 17: Tomcat server is starting.

Then follow the following commands as shown in screen shots.

```
ec2-user@ip-172-31-41-116:~/apache-tomcat-8.5.35/webapps
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-172-31-41-116 ~]$ wget http://mirrors.fibergrid.in/apache/tomcat/tomcat-8/v8.5.35/bin/apache-tomcat-8.5.35.tar.gz
--2018-11-20 04:13:09-- http://mirrors.fibergrid.in/apache/tomcat/tomcat-8/v8.5.35/bin/apache-tomcat-8.5.35.tar.gz
Resolving mirrors.fibergrid.in (mirrors.fibergrid.in)... 103.116.36.9, 2402:F4C0:0:9
Connecting to mirrors.fibergrid.in (mirrors.fibergrid.in)|103.116.36.9|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 9642757 (9.2M) [application/x-gzip]
Saving to: 'apache-tomcat-8.5.35.tar.gz'

apache-tomcat-8.5.35.tar.gz 100%[=====] 9.20M 3.45MB/s in 2.7s

2018-11-20 04:13:12 (3.45 MB/s) - 'apache-tomcat-8.5.35.tar.gz' saved [9642757/9642757]

[ec2-user@ip-172-31-41-116 ~]$ tar xvf apache-tomcat-8.5.35.tar.gz
[ec2-user@ip-172-31-41-116 ~]$ ls
apache-tomcat-8.5.35  apache-tomcat-8.5.35.tar.gz
[ec2-user@ip-172-31-41-116 ~]$ cd apache-tomcat-8.5.35
[ec2-user@ip-172-31-41-116 apache-tomcat-8.5.35]$ cd bin
[ec2-user@ip-172-31-41-116 bin]$ ./startup.sh
Using CATALINA_BASE: /home/ec2-user/apache-tomcat-8.5.35
Using CATALINA_HOME: /home/ec2-user/apache-tomcat-8.5.35
Using CATALINA_TMPDIR: /home/ec2-user/apache-tomcat-8.5.35/temp
Using JRE_HOME: /usr/lib/jvm/jre
Using CLASSPATH: /home/ec2-user/apache-tomcat-8.5.35/bin/bootstrap.jar:/home/ec2-user/apache-tomcat-8.5.35/bin/tomcat-juli.jar
Tomcat started.
[ec2-user@ip-172-31-41-116 bin]$ cd..
-bash: cd.: command not found
[ec2-user@ip-172-31-41-116 bin]$ cd ..
[ec2-user@ip-172-31-41-116 apache-tomcat-8.5.35]$ ls
bin BUILDING.txt conf CONTRIBUTING.md lib LICENSE logs NOTICE README.md RELEASE-NOTES RUNNING.txt temp webapps work
[ec2-user@ip-172-31-41-116 apache-tomcat-8.5.35]$ cd webapps/
[ec2-user@ip-172-31-41-116 webapps]$ ls
docs examples host-manager manager ROOT
[ec2-user@ip-172-31-41-116 webapps]$
```



```
ec2-user@ip-172-31-41-116:~/apache-tomcat-8.5.35/bin
2018-11-20 04:13:12 (3.45 MB/s) - 'apache-tomcat-8.5.35.tar.gz' saved [9642757/9642757]

[ec2-user@ip-172-31-41-116 ~]$ tar xf apache-tomcat-8.5.35.tar.gz
[ec2-user@ip-172-31-41-116 ~]$ ls
apache-tomcat-8.5.35  apache-tomcat-8.5.35.tar.gz
[ec2-user@ip-172-31-41-116 ~]$ cd apache-tomcat-8.5.35
[ec2-user@ip-172-31-41-116 apache-tomcat-8.5.35]$ cd bin
[ec2-user@ip-172-31-41-116 bin]$ ./startup.sh
Using CATALINA_BASE:   /home/ec2-user/apache-tomcat-8.5.35
Using CATALINA_HOME:   /home/ec2-user/apache-tomcat-8.5.35
Using CATALINA_TMPDIR: /home/ec2-user/apache-tomcat-8.5.35/temp
Using JRE_HOME:        /usr/lib/jvm/jre
Using CLASSPATH:       /home/ec2-user/apache-tomcat-8.5.35/bin/bootstrap.jar:/home/ec2-user/apache-tomcat-8.5.35/bin/tomcat-juli.jar
Tomcat started.
[ec2-user@ip-172-31-41-116 bin]$ cd..
-bash: cd.: command not found
[ec2-user@ip-172-31-41-116 bin]$ cd ..
[ec2-user@ip-172-31-41-116 apache-tomcat-8.5.35]$ ls
bin  BUILDING.txt  conf  CONTRIBUTING.md  lib  LICENSE  logs  NOTICE  README.md  RELEASE-NOTES  RUNNING.txt  temp  webapps  work
[ec2-user@ip-172-31-41-116 apache-tomcat-8.5.35]$ cd webapps/
[ec2-user@ip-172-31-41-116 webapps]$ ls
docs  examples  host-manager  manager  ROOT
[ec2-user@ip-172-31-41-116 webapps]$ cd manager/
[ec2-user@ip-172-31-41-116 manager]$ cd META-INF/
[ec2-user@ip-172-31-41-116 META-INF]$ ls
context.xml
[ec2-user@ip-172-31-41-116 META-INF]$ vi context.xml
[ec2-user@ip-172-31-41-116 META-INF]$ vi context.xml
[ec2-user@ip-172-31-41-116 META-INF]$ cd ~/apache-tomcat-8.5.35/bin/
[ec2-user@ip-172-31-41-116 bin]$ ./shutdown.sh
Using CATALINA_BASE:   /home/ec2-user/apache-tomcat-8.5.35
Using CATALINA_HOME:   /home/ec2-user/apache-tomcat-8.5.35
Using CATALINA_TMPDIR: /home/ec2-user/apache-tomcat-8.5.35/temp
Using JRE_HOME:        /usr/lib/jvm/jre
Using CLASSPATH:       /home/ec2-user/apache-tomcat-8.5.35/bin/bootstrap.jar:/home/ec2-user/apache-tomcat-8.5.35/bin/tomcat-juli.jar
[ec2-user@ip-172-31-41-116 bin]$ ./startup.sh
Using CATALINA_BASE:   /home/ec2-user/apache-tomcat-8.5.35
Using CATALINA_HOME:   /home/ec2-user/apache-tomcat-8.5.35
Using CATALINA_TMPDIR: /home/ec2-user/apache-tomcat-8.5.35/temp
Using JRE_HOME:        /usr/lib/jvm/jre
Using CLASSPATH:       /home/ec2-user/apache-tomcat-8.5.35/bin/bootstrap.jar:/home/ec2-user/apache-tomcat-8.5.35/bin/tomcat-juli.jar
Tomcat started.
[ec2-user@ip-172-31-41-116 bin]$
```

```
ec2-user@ip-172-31-41-116:~/apache-tomcat-8.5.35/conf
<!--
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contributor licenses. See the NOTICE file distributed with
this work for additional information regarding copyright ownership.
The ASF licenses this file to You under the Apache License, Version 2.0
(the "License"); you may not use this file except in compliance with
the License. You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

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distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
-->
<tomcat-users xmlns="http://tomcat.apache.org/xml"
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:schemaLocation="http://tomcat.apache.org/xml tomcat-users.xsd"
              version="1.0">
  <!--
  NOTE: By default, no user is included in the "manager-gui" role required
  to operate the "/manager/html" web application.  If you wish to use this app,
  you must define such a user - the username and password are arbitrary. It is
  strongly recommended that you do NOT use one of the users in the commented out
  section below since they are intended for use with the examples web
  application.
  -->
  <!--
  NOTE: The sample user and role entries below are intended for use with the
  examples web application. They are wrapped in a comment and thus are ignored
  when reading this file. If you wish to configure these users for use with the
  examples web application, do not forget to remove the <!-- ... --> that surrounds
  them. You will also need to set the passwords to something appropriate.
  -->
  <!--
  <role rolename="tomcat"/>
  <role rolename="role1"/>
  <user username="tomcat" password="<must-be-changed>" roles="tomcat"/>
  <user username="both" password="<must-be-changed>" roles="tomcat,role1"/>
  <user username="role1" password="<must-be-changed>" roles="role1"/>
  -->
</tomcat-users>
44,1 Bot
```

Edit the tomcat-users.xml file as it is in screenshots.

```
ec2-user@ip-172-31-41-116:~/apache-tomcat-8.5.35/conf
<!--
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contributor license agreements. See the NOTICE file distributed with
this work for additional information regarding copyright ownership.
The ASF licenses this file to You under the Apache License, Version 2.0
(the "License"); you may not use this file except in compliance with
the License. You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

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distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
-->
<tomcat-users xmlns="http://tomcat.apache.org/xml"
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:schemaLocation="http://tomcat.apache.org/xml tomcat-users.xsd"
              version="1.0">

  <!--
  NOTE: By default, no user is included in the "manager-gui" role required
  to operate the "/manager/html" web application. If you wish to use this app,
  you must define such a user - the username and password are arbitrary. It is
  strongly recommended that you do NOT use one of the users in the commented out
  section below since they are intended for use with the examples web
  application.
  -->

  <!--
  NOTE: The sample user and role entries below are intended for use with the
  examples web application. They are wrapped in a comment and thus are ignored
  when reading this file. If you wish to configure these users for use with the
  examples web application, do not forget to remove the <!-- ... --> that surrounds
  them. You will also need to set the passwords to something appropriate.
  -->

  <role rolename="manager-gui"/>
  <role rolename="manager-script"/>
  <user username="tomcat" password="tomcat" roles="manager-gui,manager-script"/>
</tomcat-users>
--
--
--
--
```

Step 18: Save the file and exit . Go to Browser and click on Manager-app , and enter your user-name and password , which you have given in tomcat-users.xml file .

India Intranet Homepage | Talent | EC2 Management Console | Apache Tomcat® - Apache Tomcat | Apache Tomcat/8.5.35

Not secure | 18.191.206.80:8080

Home Documentation Configuration

Apache Tomcat/8.5.35

If you're seeing this message, it's because your browser's security software has blocked automatic download of some resources from this site. To see all the features of this site, you may need to adjust your browser's security settings.

Recommendations

[Security Considerations](#)

[Manager Application](#)

[Clustering/Session Replication HOW-TO](#)

Sign in

http://18.191.206.80:8080

Your connection to this site is not private

Username

Password

[Sign in](#) [Cancel](#)

Find Help

Congratulations!

[Server Status](#)

[Manager App](#)

[Host Manager](#)

Developer Quick Start

[Tomcat Setup](#)

[First Web Application](#)

[Realms & AAA](#)

[JDBC DataSources](#)

[Examples](#)

[Servlet Specifications](#)

[Tomcat Versions](#)

Managing Tomcat

For security, access to the [manager webapp](#) is restricted. Users are defined in:

\$CATALINA_HOME/conf/tomcat-users.xml

In Tomcat 8.5 access to the manager application is split between different users.

[Read more...](#)

[Release Notes](#)

[Changelog](#)

[Migration Guide](#)

Documentation

[Tomcat 8.5 Documentation](#)

[Tomcat 8.5 Configuration](#)

[Tomcat Wiki](#)

Find additional important configuration information in:

\$CATALINA_HOME/RUNNING.txt

Developers may be interested in:

[Tomcat 8.5 Bug Database](#)

Getting Help

FAQ and Mailing Lists

The following mailing lists are available:

[tomcat-announce](#)
Important announcements, releases, security vulnerability notifications. (Low volume).



[tomcat-users](#)
User support and discussion

[taglibs-user](#)
User support and discussion for [Apache Taglibs](#)

[tomcat-dev](#)
Development mailing list, including commit

EC2 Management Console | Apache Tomcat® - Apache Tomcat | /manager

Not secure | 18.223.120.143:8080/manager/html

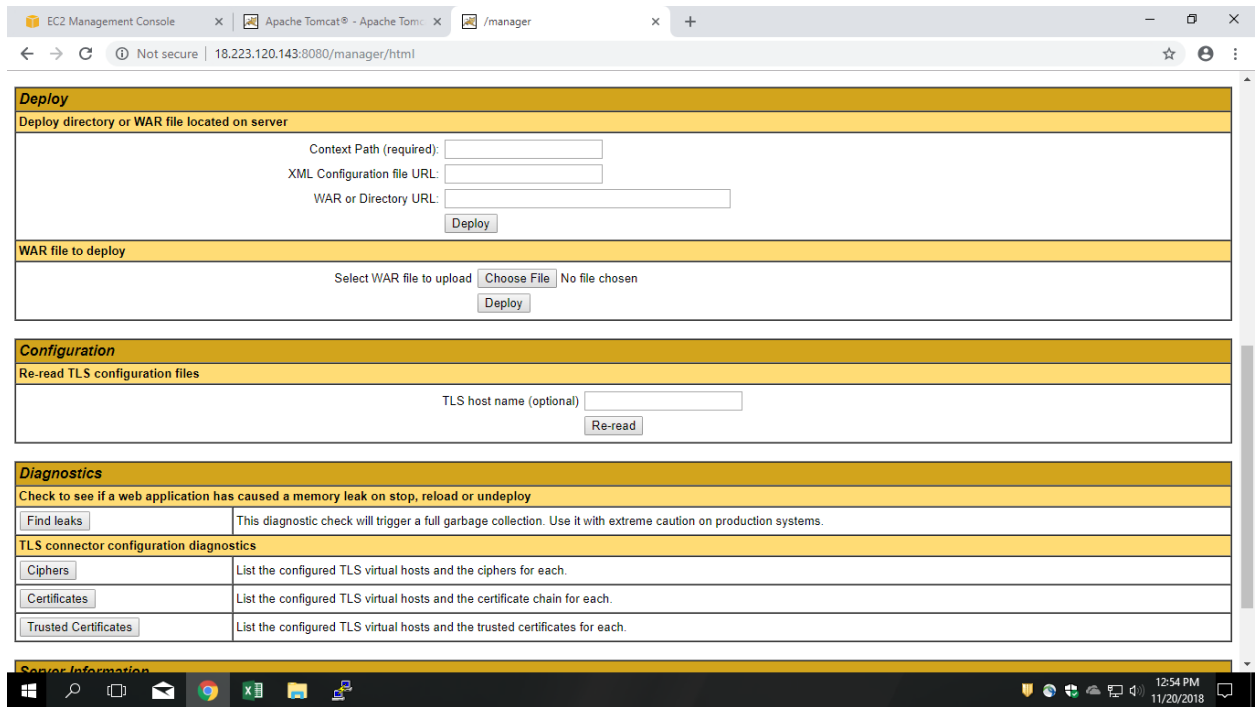
Tomcat Web Application Manager

Message: OK

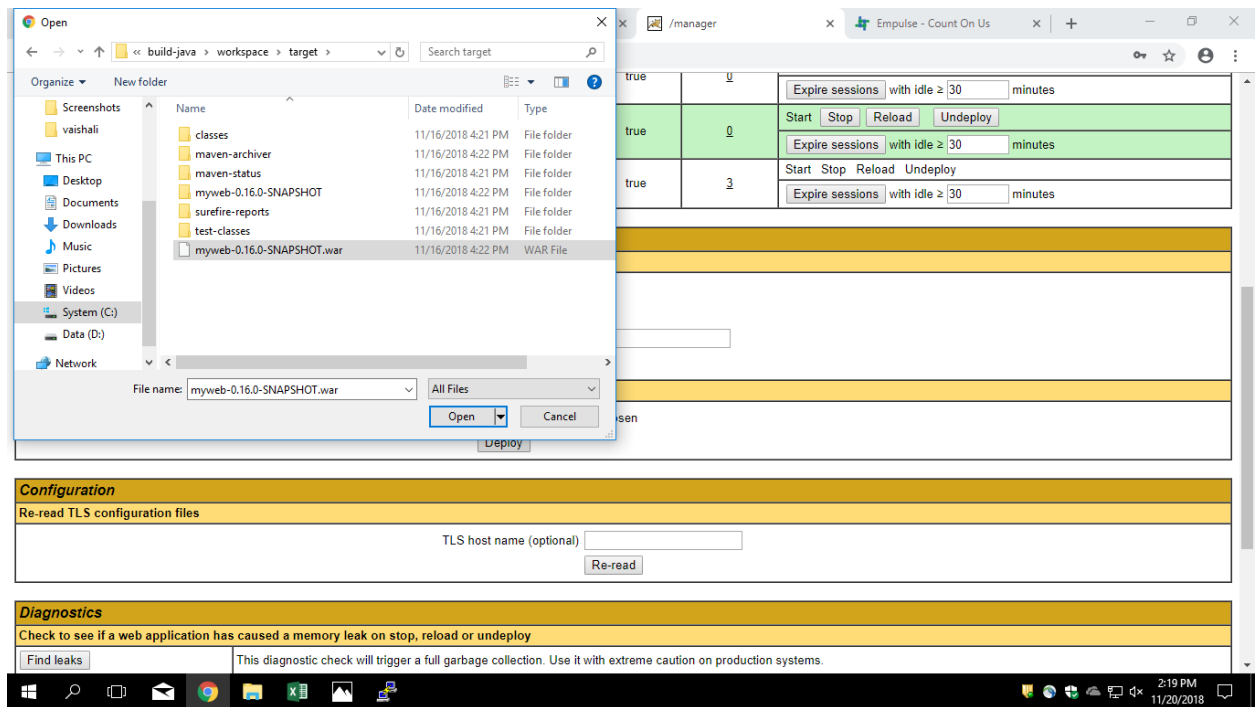
Manager

[List Applications](#) [HTML Manager Help](#) [Manager Help](#) [Server Status](#)

Applications					
Path	Version	Display Name	Running	Sessions	Commands
/	None specified	Welcome to Tomcat	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/docs	None specified	Tomcat Documentation	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/examples	None specified	Servlet and JSP Examples	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/manager	None specified	Tomcat Manager Application	true	1	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes



Step 19: Choose war file to deploy.



EC2 Management Console x Apache Tomcat® - Apache Tomcat® x /manager

Not secure | 18.224.182.240:8080/manager/html/upload;jsessionid=019C85F0902FCBDA220409BF9F67C60B?org.apache.catalina.filters.CSRF_NONCE=DD8C4F1B7EA68FD8E193...

Manager

List Applications HTML Manager Help Manager Help Server Status

Applications

Path	Version	Display Name	Running	Sessions	Commands
/	None specified	Welcome to Tomcat	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/docs	None specified	Tomcat Documentation	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/examples	None specified	Servlet and JSP Examples	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/manager	None specified	Tomcat Manager Application	true	1	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/myapp	None specified	Archetype Created Web Application	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes

Deploy

Deploy directory or WAR file located on server

Context Path (required):

XML Configuration file URL:

WAR or Directory URL:

Step 20: click on myapp .

EC2 Management Console x Apache Tomcat® - Apache Tomcat® x 18.224.182.240:8080/myapp/ x

Not secure | 18.224.182.240:8080/myapp/

Capgemini Training

Windows taskbar showing icons for Start, Search, Task View, Mail, Chrome, File Explorer, and a system tray with network, volume, and date/time (2:27 PM 11/20/2018).