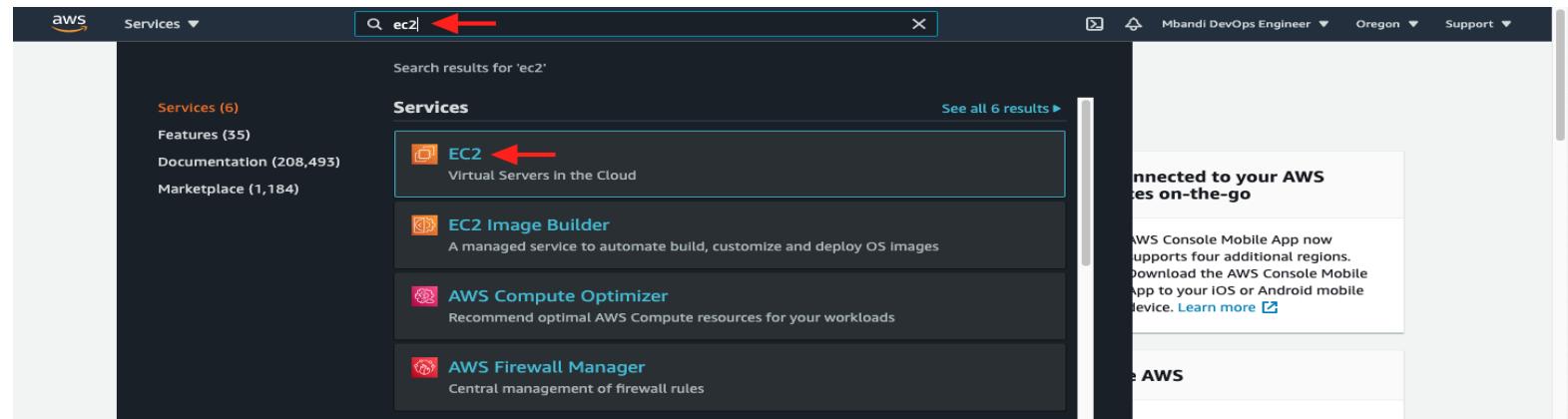


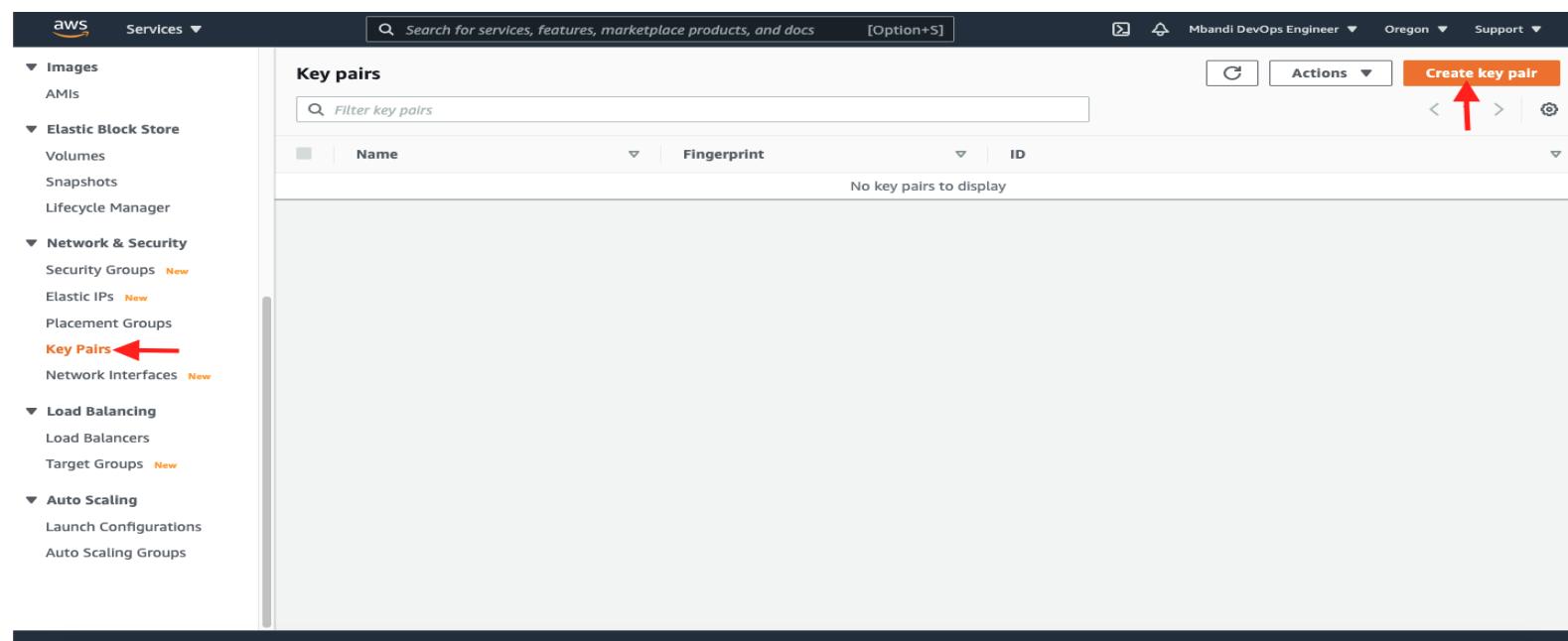
How to Provision An EC2 Instance and Remote (SSH) into it.

1) First we'll have to provision a Key Pair which we'll use to SSH into the server and also a Security Group which will act as a virtual firewall for our Server.

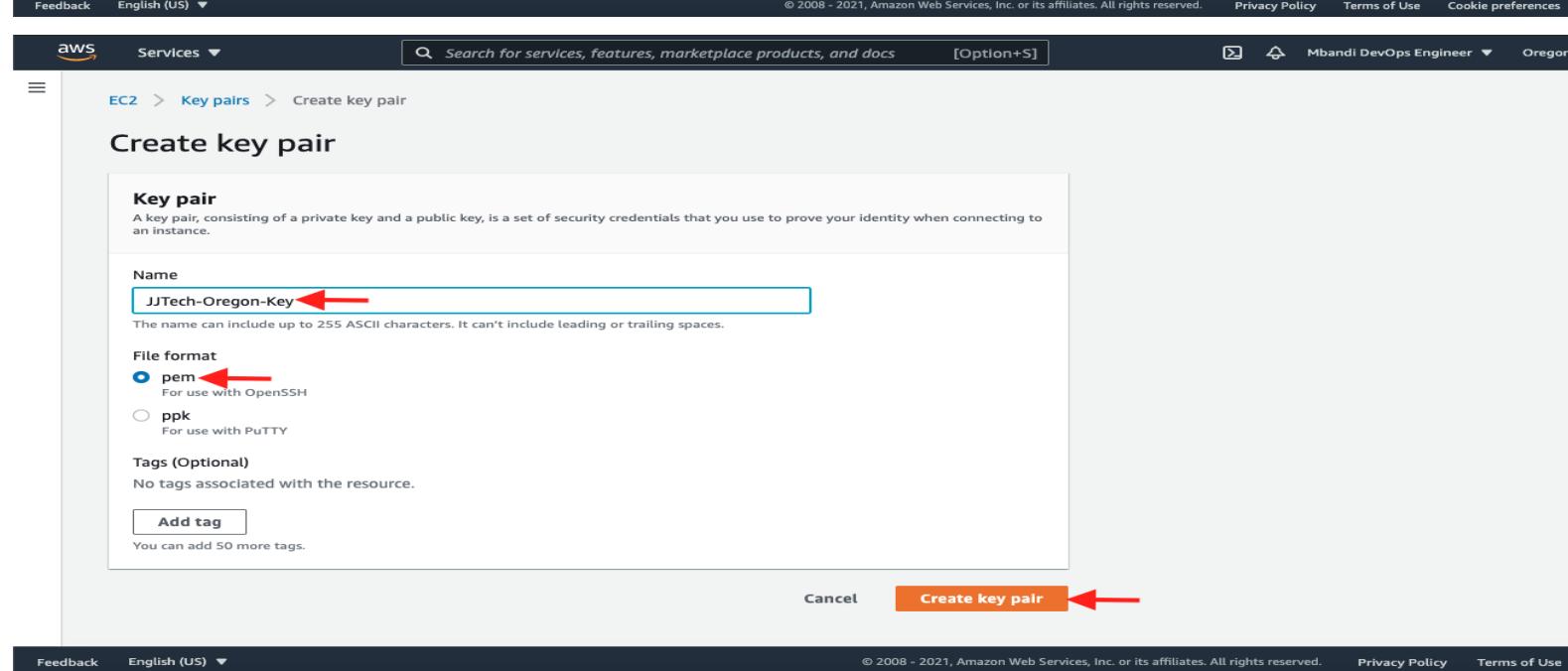
A) Creating a Key Pair (JJTech-Oregon-Key)



The screenshot shows the AWS Management Console search results for 'ec2'. The EC2 service is highlighted with a red arrow. Other services listed include EC2 Image Builder, AWS Compute Optimizer, and AWS Firewall Manager. The search bar at the top contains 'ec2'.



The screenshot shows the 'Key pairs' section under the EC2 service in the AWS Management Console. The 'Create key pair' button is highlighted with a red arrow. The sidebar on the left shows other services like Images, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling.



The screenshot shows the 'Create key pair' wizard. The 'Name' field is filled with 'JJTech-Oregon-Key', the 'File format' is set to 'pem' (highlighted with a red arrow), and the 'Create key pair' button is highlighted with a red arrow. The wizard also includes sections for 'Tags (Optional)' and 'Add tag'.

Saved  New EC2 Experience Tell us what you think

EC2 Dashboard  Events Tags Limits Instances Instances  Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances  Dedicated Hosts Scheduled Instances Capacity Reservations Images AMIs Elastic Block Store

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Successfully created key pair

Key pairs (1)

Name	Fingerprint	ID
JJTech-Oregon-Key	77:79:5e:20:b9:92:12:33:82:27:98:ec:1...	key-041a647f89067e2e1

Verify and confirm your Private key was created and downloaded to your Local machine (Check your Downloads folder).

JJTech-Oregon....pem



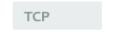
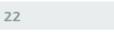
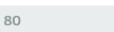
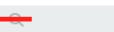
B) Provision Security Group (JJTech-WebServer-SG-Linux)

Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups  Security Groups  Security Groups (9)  Filter security groups

Name	Security group ID	Security group name	VPC ID	Description
sg-0297012d0713b8eba	WordPress Certified by...	vpc-e6f9899e	This security group wa...	
sg-0522c5b3b7ce4f4d4	default	vpc-035b0539a9ec2156e	default VPC security gr...	
sg-080aaaac918490043	Group-Studies-SG	vpc-e6f9899e	launch-wizard-6 create...	
sg-088f340475de4a502	load-balancer-wizard-1	vpc-e6f9899e	load-balancer-wizard-...	
sg-0980038d538856356	launch-wizard-2	vpc-e6f9899e	launch-wizard-2 create...	
sg-098853d2db1ee81c9	EFS-SG-Oregon	vpc-e6f9899e	EFS-SG-Oregon	
sg-0bedac24ec8efb5a1	default	vpc-005fb4f3006b6893b	default VPC security gr...	
sg-0cb06e187236e72ed	default	vpc-00b0b10d53eb04d93	default VPC security gr...	
sg-b648bce3	default	vpc-e6f9899e	default VPC security gr...	

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Basic details Security group name  JJTech-Webserver-SG-Linux Name cannot be edited after creation. Description  JJTech-Webserver-SG-Linux VPC  vpc-e6f9899e => VPC: Select your Default VPC.

Inbound rules Type  SSH Protocol  TCP Port range  22 Source  My IP Description - optional  199.126.91.236/32 Delete Type  HTTP Protocol  TCP Port range  80 Source  Anywh... Description - optional  0.0.0.0/0 Delete

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Outbound rules [Info](#)

Type Info	Protocol Info	Port range Info	Destination Info	Description - optional Info
All traffic	All	All	Custom ▼	<input type="text" value="0.0.0.0"/> X

[Delete](#)

[Add rule](#)

Tags - optional
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

No tags associated with the resource.

[Add new tag](#)
You can add up to 50 more tag

[Create security group](#)

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C) Provision EC2 instance (WebServer-Linux)

New EC2 Experience [Tell us what you think](#)

EC2 Dashboard [New](#)

- Events
- Tags
- Limits
- Instances** [Instances](#)
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances [New](#)
- Dedicated Hosts
- Scheduled Instances
- Capacity Reservations

- Images**
- AMIs

- Elastic Block Store
- Volumes
- Snapshots

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Welcome to the new Instances experience! We're redesigning the EC2 console to make it easier to use. To switch between the old console and the new console, use the New EC2 Experience toggle above the navigation panel. We'll release updates continuously based on customer feedback.

Instances [Info](#) [Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

Filter Instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public
You do not have any instances in this region							

Select an instance above

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1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review [Cancel and Exit](#)

Step 1: Choose an Amazon Machine Image (AMI)
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search:

Quick Start (8)

My AMIs (0)	Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-00f9f4069d04c0c6e (64-bit x86) / ami-01bcadccb2161d4aa (64-bit Arm)
AWS Marketplace (298)	Amazon Linux Free tier eligible
Community AMIs (8489)	Deep Learning AMI (Amazon Linux) Version 42.0 - ami-0ace7d9ae4fc9db4d
<input type="checkbox"/> Free tier only	Deep Learning AMI (Amazon Linux 2) Version 42.0 - ami-001a383ed04e9e6a1

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

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. This AMI is the successor of the Amazon Linux AMI that is approaching end of life on December 31, 2020 and has been removed from this wizard.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

MXNet-1.7.0 & 1.6.0, TensorFlow-2.3.1, 2.1.3 & 1.15.5, PyTorch-1.4.0 & 1.7.1, EI, & others. NVIDIA CUDA, cuDNN, NCCL, Intel MKL-DNN, Docker, NVIDIA-Docker & EFA support. For fully managed experience, check: <https://aws.amazon.com/sagemaker>

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

MXNet-1.8.0 & 1.7.0, TensorFlow-2.4.1, 2.1.3 & 1.15.5, PyTorch-1.4.0 & 1.8.0, Neuron, & others. NVIDIA CUDA, cuDNN, NCCL, Intel MKL-DNN, Docker, NVIDIA-Docker & EFA support. For fully managed experience, check: <https://aws.amazon.com/sagemaker>

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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 families [Current generation](#) [Show/Hide Columns](#)

Currently selected: t2.micro (~ ECUs, 1 vCPUs, 2.5 GHz, ~1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t3	t3.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Instance Details](#)

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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	<input type="text" value="1"/>	Launch into Auto Scaling Group
Purchasing option	<input type="checkbox"/> Request Spot Instances	
Network	vpc-e6f9899e (default) Create new VPC	
Subnet	subnet-1d876957 Default in us-west-2b Create new subnet 4091 IP Addresses available	
Auto-assign Public IP	<input checked="" type="checkbox"/> Enable	
Placement group	<input type="checkbox"/> Add instance to placement group	
Capacity Reservation	Open	
Domain join directory	No directory Create new directory	
IAM role	None Create new IAM role	
CPU options	<input type="checkbox"/> Specify CPU options	
Shutdown behavior	Stop	

For the Network section, we're making use of the Default VPC and subnet that was made available to us by AWS in the current Region where we are. And the reason is because we want the webserver to be internet facing.

So If you have a custom VPC and subnet that is Public, you can as well provision your webserver in that subnet.

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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-09a90ce568a260d65	<input type="text" value="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.

Verify and make sure you have a root volume or device like mine. You can as well uncheck the delete on Termination checkbox, so you don't lose your data when the server gets terminated.

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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
Name	WebServer-Linux	<input checked="" type="checkbox"/>	<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

Step 6: Configure Security Group

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 ID	Name	Description
sg-b648bce3	default	default VPC security group
sg-098853d2db1ee81c9EFS-SG-Oregon	EFS-SG-Oregon	
sg-080aaaaac918490043Group-Studies-SG	launch-wizard-6 created 2020-07-29T19:31:55.128-06:00	
sg-03265b14daa630bd2JJTech-Webserver-SG-Linux	JJTtech-Webserver-SG-Linux	
sg-0980038d538856356launch-wizard-2	launch-wizard-2 created 2020-12-11T15:40:33.654-07:00	
sg-088f340475de4a502 load-balancer-wizard-1	load-balancer-wizard-1 created on 2020-09-29T06:54:47.435-06:00	
sg-0297012d0713b8ebaWordPress Certified by Bitnami and Automattic-5-6-0 on Debian 10-AutogenByAWSMP-This security group was generated by AWS Marketplace and is based on recommended settings for WordPress		

Type	Protocol	Port Range	Source	Description
HTTP	TCP	80	0.0.0.0/0	
HTTP	TCP	80	::/0	
SSH	TCP	22	199.126.91.236/32	

Cancel Previous **Review and Launch**

Step 7: Review Instance Launch

AMI Details

[Edit AMI](#)

	Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-00f9f4069d04c0c6e
	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, Gilbc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is a...
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	-	1	1	EBS only	-	Low to Moderate

Security Groups

[Edit security groups](#)

Security Group ID	Name	Description
sg-03265b14daa630bd2	JJTtech-Webserver-SG-Linux	JJTtech-Webserver-SG-Linux

All selected security groups inbound rules

Type	Protocol	Port Range	Source	Description

Cancel Previous **Launch**

Step 7: Review Instance Launch

AMI Details

Amazon Linux 2 AMI (HVM), SSD Volume Type

Instance Type

Instance Type	ECUs	vCPUs
t2.micro	-	1

Security Groups

Security Group ID: sg-03265b14daa630bd2

All selected security groups inbound rules

Type | Protocol | Port Range | Source | Description

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

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

Launch Instances

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Launch Status

Your instances are now launching. The following instance launches have been initiated: i-0d3b0d818f5f24f24 [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](#)
- [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](#)

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Instances (1/1) Info

Filter instances search: i-0d3b0d818f5f24f24 Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
WebServer-Linux	i-0d3b0d818f5f24f24	Running	t2.micro	2/2 checks passed	No alarms	us-west-2b

Instance: i-0d3b0d818f5f24f24 (WebServer-Linux)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary

Instance ID i-0d3b0d818f5f24f24 (WebServer-Linux)	Public IPv4 address 52.34.164.255 open address	Private IPv4 addresses 172.31.32.133
Instance state Running	Public IPv4 DNS ec2-52-34-164-255.us-west-2.compute.amazonaws.com open address	Private IPv4 DNS ip-172-31-32-133.us-west-2.compute.internal
Instance type t2.micro	Elastic IP addresses -	VPC ID vpc-e6f9899e

Confirm your webserver is up and running.
Also give it a few minutes and make sure it passes the Status Check (2/2 checks passed)

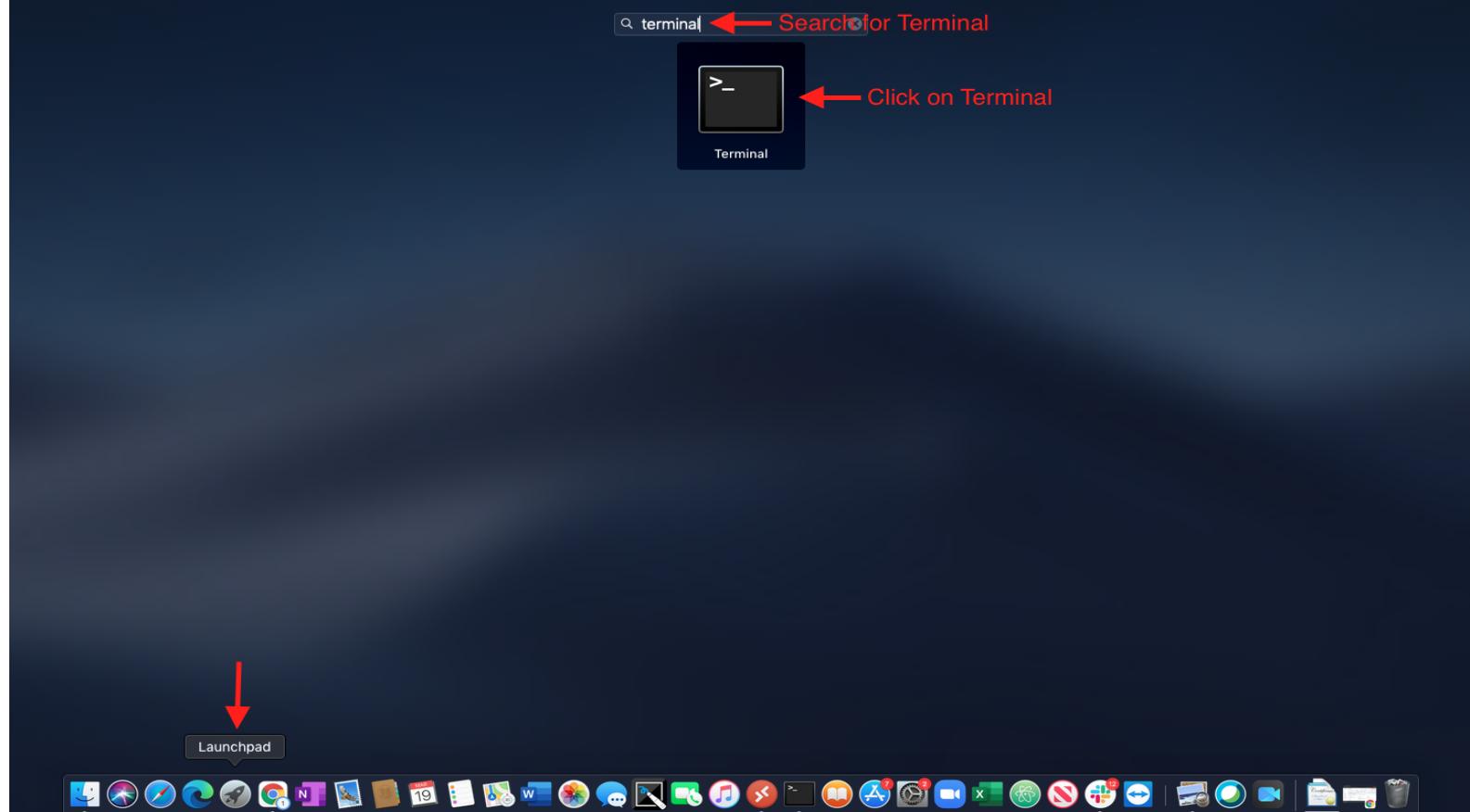
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C) Remote or SSH into the server you just provision. The approach for Windows users will be different from that of MacOs users or any Linux Distribution.

1) MacOs users (Linux)

The screenshot shows the AWS EC2 Instances page. On the left, a sidebar lists various services like EC2 Dashboard, Events, Tags, Limits, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images, AMIs, and Elastic Block Store. The main area shows a table of instances. A red arrow labeled "Select" points to the checkbox next to the instance "WebServer-Linux". Another red arrow labeled "Click on Connect" points to the "Connect" button at the top right of the instance details panel. The instance details panel for "WebServer-Linux" shows fields for Instance ID, Public IPv4 address, Private IPv4 addresses, Instance state, Public IPv4 DNS, Private IPv4 DNS, Instance type, Elastic IP addresses, and VPC ID.

The screenshot shows the "Connect to instance" dialog. At the top, there are tabs for "EC2 Instance Connect", "Session Manager", and "SSH client" (which is underlined and highlighted with a red arrow). Below the tabs, it says "Connect to your instance i-0d3b0d818f5f24f24 (WebServer-Linux) using any of these options". It lists "Instance ID" (i-0d3b0d818f5f24f24) and "1. Open an SSH client". Step 1 includes instructions to locate the private key file "JJTech-Oregon-Key.pem" and run the command "chmod 400 JJTech-Oregon-Key.pem" (highlighted with a red arrow and labeled "Copy this command to change the keypair file permissions (2)"). Step 4 includes the command "ssh -i \"JJTech-Oregon-Key.pem\" ec2-user@ec2-52-34-164-255.us-west-2.compute.amazonaws.com". An example command is shown as "ssh -i \"JJTech-Oregon-Key.pem\" ec2-user@ec2-52-34-164-255.us-west-2.compute.amazonaws.com". A note at the bottom states: "Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name." A "Cancel" button is at the bottom right.



```
Mbandis-MacBook-Pro:~ mbandi$ cd Downloads/ ←
Mbandis-MacBook-Pro:Downloads mbandi$
```



```
Mbandis-MacBook-Pro:Downloads mbandi$ chmod 400 JJTech-Oregon-Key.pem ←
Mbandis-MacBook-Pro:Downloads mbandi$
```

A screenshot of the AWS EC2 "Connect to instance" page. At the top, there's a navigation bar with "Services", a search bar, and user information. Below it, the breadcrumb navigation shows "EC2 > Instances > i-0d3b0d818f5f24f24 > Connect to instance". The main content area has a title "Connect to instance" with an "Info" link. It says "Connect to your instance i-0d3b0d818f5f24f24 (WebServer-Linux) using any of these options". There are three tabs: "EC2 Instance Connect", "Session Manager", and "SSH client" (which is highlighted). Below the tabs, the "Instance ID" is listed as "i-0d3b0d818f5f24f24 (WebServer-Linux)". A numbered list of steps follows:

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is JJTech-Oregon-Key.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
 chmod 400 JJTech-Oregon-Key.pem
4. Connect to your instance using its Public DNS:
 ec2-52-34-164-255.us-west-2.compute.amazonaws.com

Below the steps, there's an "Example:" section with a red arrow pointing to the "ssh" command. A callout bubble says "Now copy the Example "ssh" command and run on your Terminal".

Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

```
Mbandis-MacBook-Pro:Downloads mbandis$ ssh -i "JJTech-Oregon-Key.pem" ec2-user@ec2-52-34-164-255.us-west-2.compute.amazonaws.com
The authenticity of host 'ec2-52-34-164-255.us-west-2.compute.amazonaws.com (52.34.164.255)' can't be established.
ECDSA key fingerprint is SHA256:+/0Ar3Fm1bDsp82R7J6xUeRM0anNEFOaY3oQtS3Tsow.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'ec2-52-34-164-255.us-west-2.compute.amazonaws.com,52.34.164.255' (ECDSA) to the list of known hosts.

 _|_ _|_
_| ( _|_ / ) Amazon Linux 2 AMI
_| \_||_|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-32-133 ~]$
```

2) Windows Users

2.1) Download and Install the PUTTY Software and Remote into your Server (Putty enables you to login to your servers using the PPK private key file format)

← → C [google.com/search?q=download+putty+for+windows&sxsrf=ALeKk03w6gj3LGqlHzOT2kGPAGuKgdGaA%3A1616185367630&source=hp&ei=FwhVYPeVN7O0PEPopq30Ag&i...](https://www.google.com/search?q=download+putty+for+windows&sxsrf=ALeKk03w6gj3LGqlHzOT2kGPAGuKgdGaA%3A1616185367630&source=hp&ei=FwhVYPeVN7O0PEPopq30Ag&i...) ☆ ↗

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About 9,760,000 results (0.63 seconds)

www.putty.org ▾

Download PuTTY - a free SSH and telnet client for Windows ←

PuTTY is an SSH and telnet client, developed originally by Simon Tatham for the Windows platform. PuTTY is open source **software** that is available with source ...

Developer: Simon Tatham
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[www.chiark.greenend.org.uk](http://www.chiark.greenend.org.uk/~sgtatham/putty/latest) › ~sgtatham › putty › latest ▾

Download PuTTY: latest release (0.74) - Chiark.greenend.org.uk

Nov. 22, 2020 — They include versions of all the PuTTY utilities. (Not sure whether you want the 32-bit or the 64-bit version? Read the FAQ entry.) MSI ('Windows ...
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PuTTY: a free SSH and Telnet client - Chiark.greenend.org.uk

Nov. 22, 2020 — PuTTY is a free implementation of SSH and Telnet for Windows and Unix platforms, along with an xterm terminal emulator. It is written and ...

[www.ssh.com](http://www.ssh.com/ssh/putty/download) › ssh › putty › download ▾

PuTTY - Secure Download - Latest release (0.70) - SSH.com

PuTTY is a popular SSH, Telnet, and SFTP client for Windows. It is typically used for remote access to server computers over a network using the SSH protocol.



Download PuTTY

PuTTY is an SSH and telnet client, developed originally by Simon Tatham for the Windows platform. PuTTY is open source software that is available with source code and is developed and supported by a group of volunteers.

You can download PuTTY [here](#). ← Click on "here" to start the download

Below suggestions are independent of the authors of PuTTY. They are *not* to be seen as endorsements by the PuTTY project.



Bitvise SSH Client

Bitvise SSH Client is an SSH and SFTP client for Windows. It is developed and supported professionally by Bitvise. The SSH Client is robust, easy to install, easy to use, and supports all features supported by PuTTY, as well as the following:

- graphical SFTP file transfer;
- single-click Remote Desktop tunneling;
- auto-reconnecting capability;
- dynamic port forwarding through an integrated proxy;
- an FTP-to-SFTP protocol bridge.

Bitvise SSH Client is **free to use**. You can [download it here](#).



Bitvise SSH Server

Bitvise SSH Server is an SSH, SFTP and SCP server for Windows. It is robust, easy to install, easy to use, and works well with a variety of SSH clients, including Bitvise SSH Client, OpenSSH, and PuTTY. The SSH Server is developed and supported professionally by Bitvise.

You can [download Bitvise SSH Server here](#).

Download PuTTY: latest release (0.74)

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Download: [Stable](#) | [Snapshot](#) | [Docs](#) | [Changes](#) | [Wishlist](#)

This page contains download links for the latest released version of PuTTY. Currently this is 0.74, released on 2020-06-27.

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 0.74 release](#).

Release versions of PuTTY are versions we think are reasonably likely to work well. However, they are often not the most up-to-date version of the code 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 those versions.

Package files

You probably want one of these. They include versions of all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

MSI ('Windows Installer')

32-bit: [putty-0.74-installer.msi](#) (or by [FTP](#)) ([signature](#))
64-bit: [putty-64bit-0.74-installer.msi](#) (or by [FTP](#)) ([signature](#))

Unix source archive

.tar.gz: [putty-0.74.tar.gz](#) (or by [FTP](#)) ([signature](#))

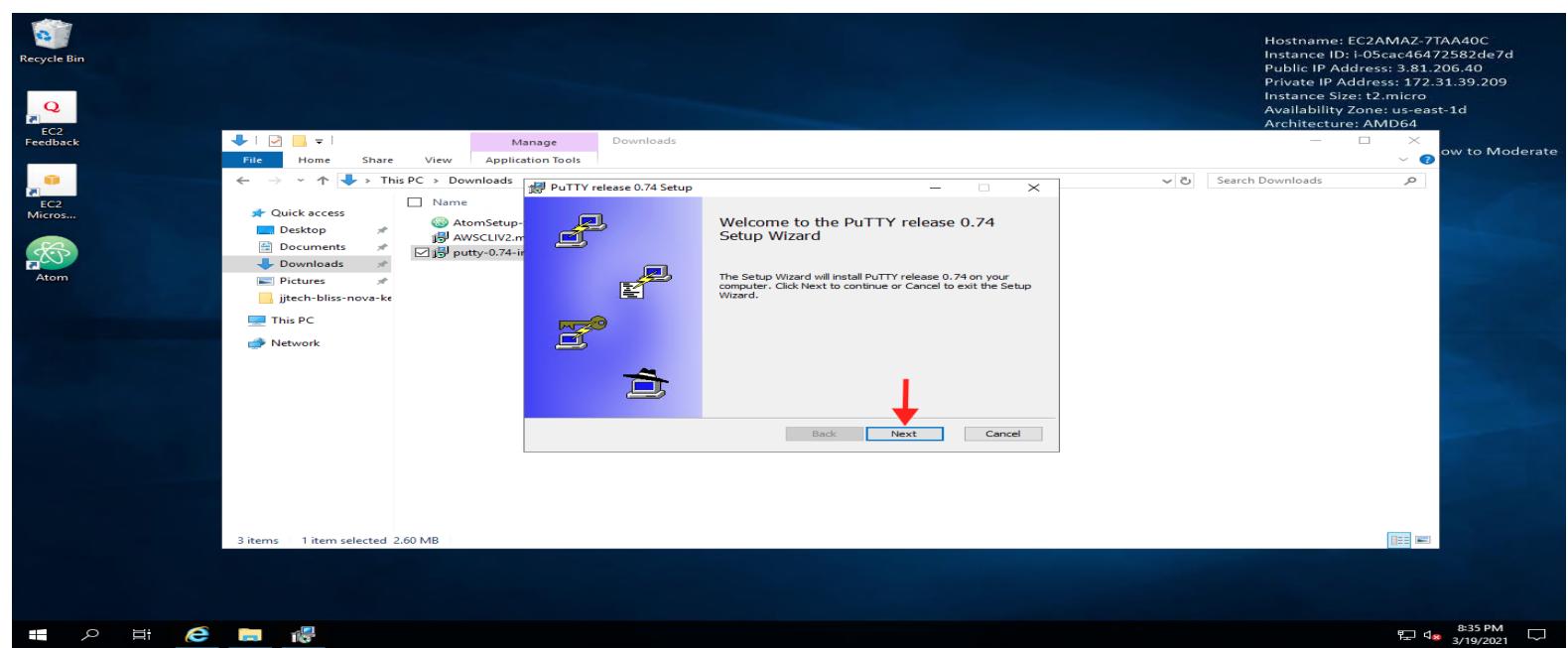
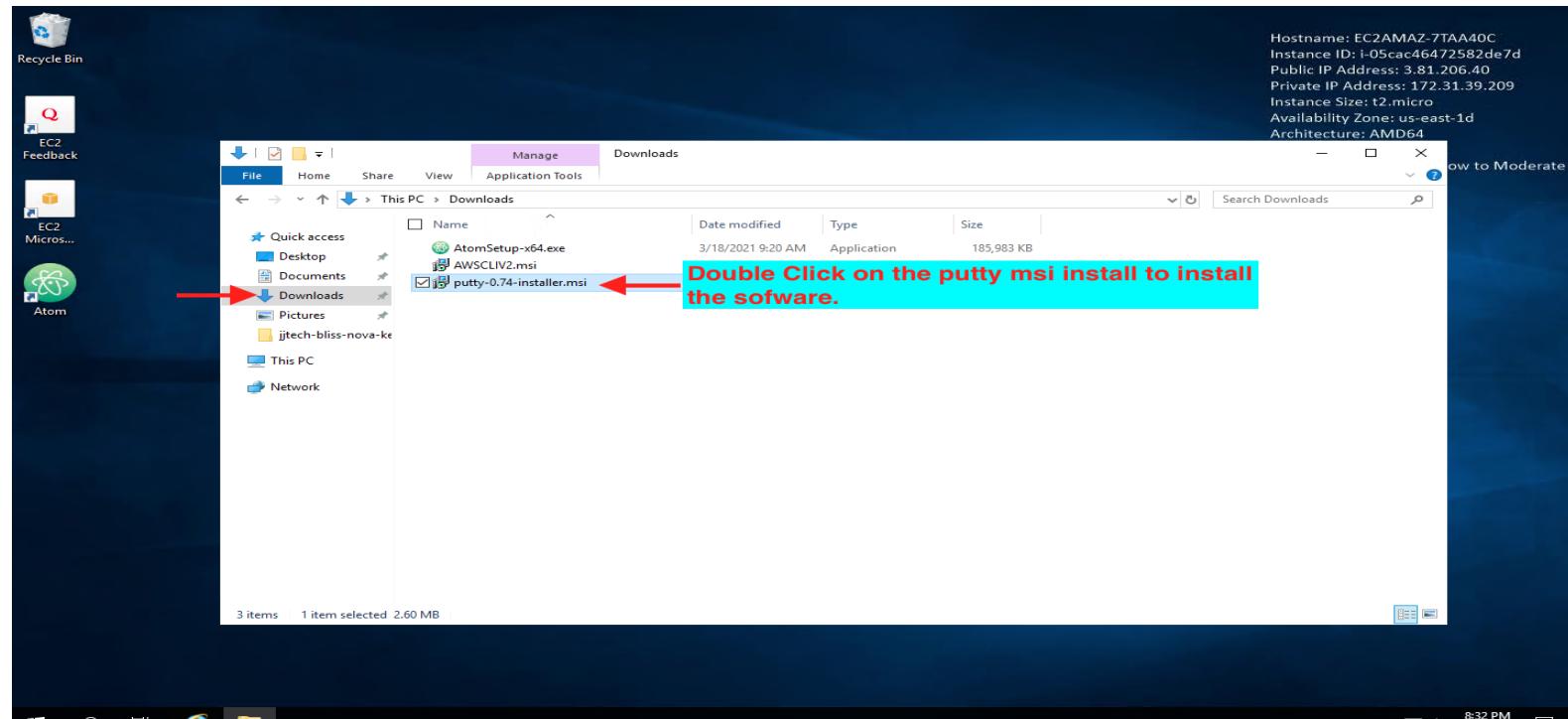
Alternative binary files

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 \(the SSH and Telnet client\)](#)
32-bit: [putty.exe](#)

Do you want to save putty-0.74-installer.msi (2.60 MB) from the.earth.li?
[Save](#) [Cancel](#)





Recycle Bin



EC2

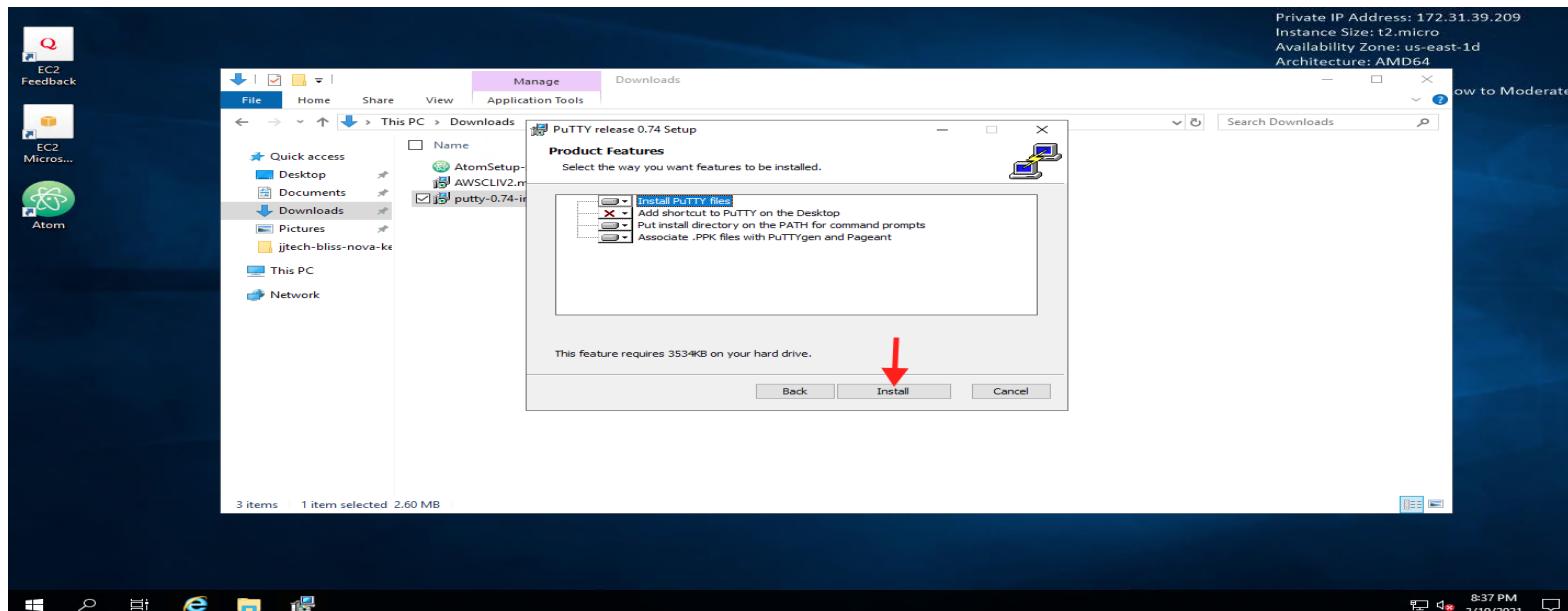
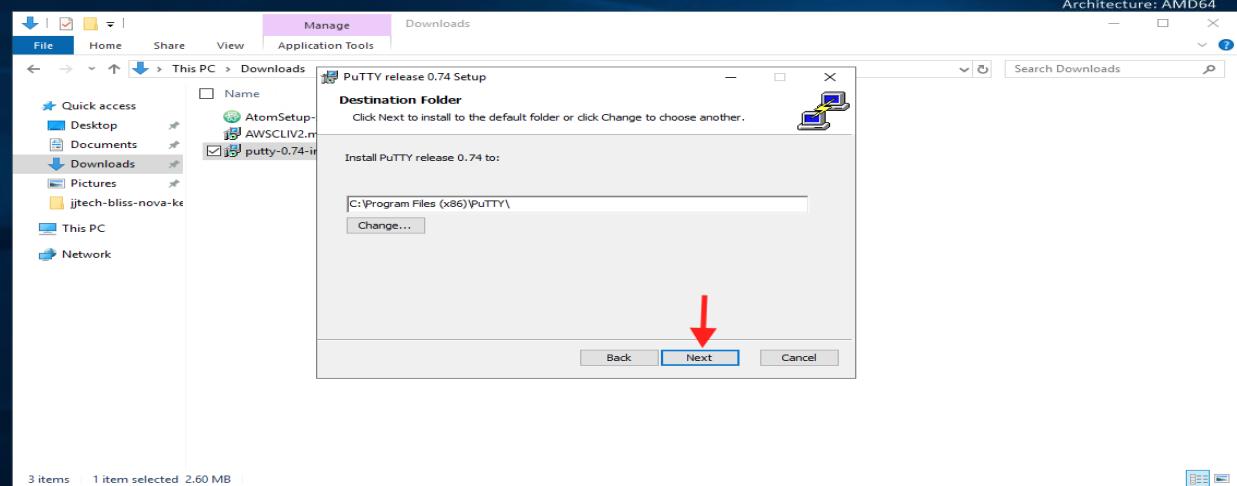


Micros...



Atom

Hostname: EC2AMAZ-7TAA40C
 Instance ID: i-05cac46472582de7d
 Public IP Address: 3.81.206.40
 Private IP Address: 172.31.39.209
 Instance Size: t2.micro
 Availability Zone: us-east-1d
 Architecture: AMD64



Welcome to the new Instances experience!
 We're redesigning the EC2 console to make it easier to use. To switch between the old console and the new console, use the New EC2 Experience toggle above the navigation panel. We'll release updates continuously based on customer feedback.

Instances (1/1)		Info	Actions	Launch instances
Filter instances Instance state: running				
<input checked="" type="checkbox"/> Name <input checked="" type="checkbox"/> Instance ID <input checked="" type="checkbox"/> Instance state <input checked="" type="checkbox"/> Instance type <input checked="" type="checkbox"/> Status check <input checked="" type="checkbox"/> Alarm status <input checked="" type="checkbox"/> Availability Zone				
Windows i-05cac46472582de7d		Running 2/2 checks passed No alarms		us-east-1d

Instance: i-05cac46472582de7d (Windows)

Details	Security	Networking	Storage	Status checks	Monitoring	Tags
Instance summary Info						
Instance ID: Copy Public IP 3.81.206.40 open address Instance state: Running						
Public IPv4 address: 3.81.206.40 open address Private IPv4 addresses: 172.31.39.209 Public IPv4 DNS: ec2-3-81-206-40.compute-1.amazonaws.com open address Private IPv4 DNS: ip-172-31-39-209.ec2.internal MAC ID: e4:56:9c:00:00:00						

New EC2 Experience Tell us what you think

Welcome to the new instances experience!

We're redesigning the EC2 console to make it easier to use. To switch between the old console and the new console, use the New EC2 Experience toggle above the navigation panel. We'll release updates continuously based on customer feedback.

EC2 Dashboard

Filters Instance state Launch instances

Best match

PuTTYgen Desktop app

Instance type Status check Alarm status Availability Zone

Micro 2/2 checks passed No alarms us-east-1d

Private IPv4 addresses

172.31.39.209

Private IPv4 DNS

ip-172-31-39-209.ec2.internal

puttygen Tags

puttygen

Click on "Type here to search" and search for "puttygen"

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Recycle Bin

EC2 Feedback

EC2 Micros...

Atom

PuTTY Key Generator

File Key Conversions Help

Key
No key.

Actions

Generate a public/private key pair Load 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

Hostname: EC2AMAZ-7TAA40C
Instance ID: i-05cac46472582de7d
Public IP Address: 3.81.206.40
Private IP Address: 172.31.39.209
Instance Size: t2.micro
Availability Zone: us-east-1d
Architecture: AMD64
Total Memory: 1024 MB
Network Performance: Low to Moderate

Click on Load to Load your .pem Private key then save a .ppk version of the same private key.

Recycle Bin

EC2 Feedback

EC2 Micros...

Atom

PuTTY Key Generator

File Key Conversions Help

Load private key:

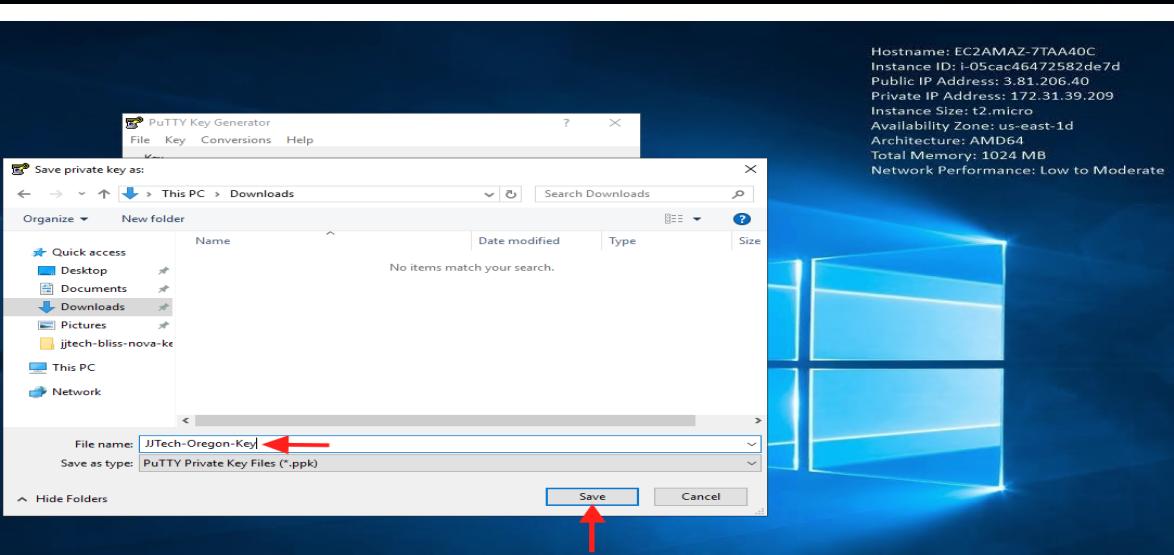
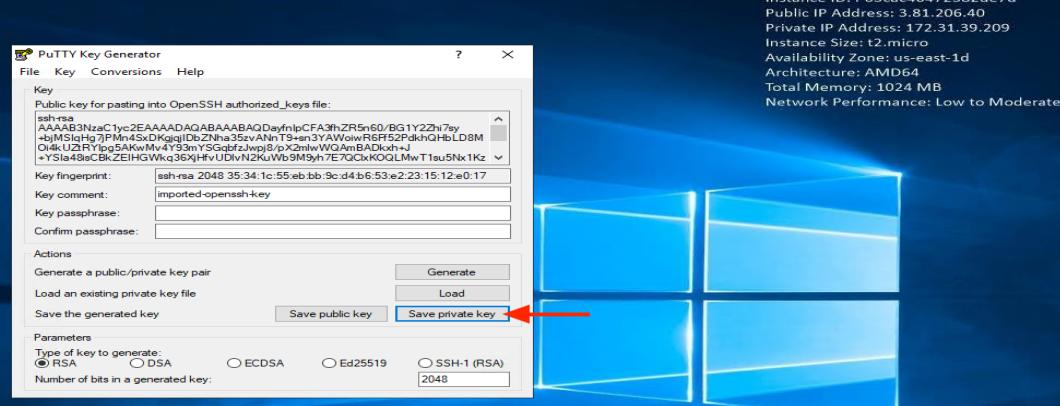
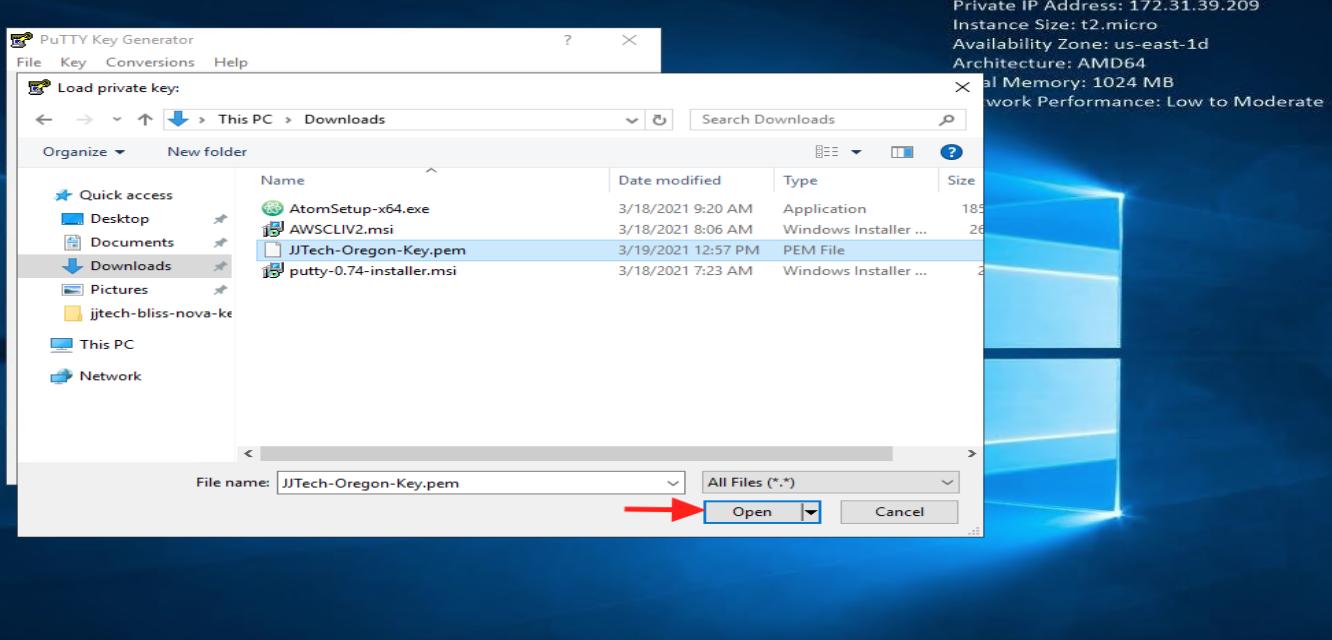
Downloads JJTech-Oregon-Key.pem

File name: JJTech-Oregon-Key.pem

All Files (*.*) PuTTY Private Key Files (*.ppk)

Hostname: EC2AMAZ-7TAA40C
Instance ID: i-05cac46472582de7d
Public IP Address: 3.81.206.40
Private IP Address: 172.31.39.209
Instance Size: t2.micro
Availability Zone: us-east-1d
Architecture: AMD64
Total Memory: 1024 MB
Network Performance: Low to Moderate

Click the drop down and select all files



New EC2 Experience Tell us what you think

Welcome to the new Instances experience! We're redesigning the EC2 console to make it easier to use. To switch between the old console and the new console, use the New EC2 Experience toggle above the navigation panel. We'll release updates continuously based on customer feedback.

Instances (1/1) Info

Filter instances Instance state: running

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
WebServer-Linux	i-0d3b0d818f5f24f24	Running	t2.micro	2/2 checks passed	No alarms	us-west-2b

Instance: i-0d3b0d818f5f24f24 (WebServer-Linux)

- Details
- Security
- Networking
- Storage
- Status checks
- Monitoring
- Tags

Instance summary Info

Instance ID i-0d3b0d818f5f24f24 (WebServer-Linux)	Public IPv4 address 52.34.164.255 open address	Private IPv4 addresses 172.31.32.133
Instance state Running	Public IPv4 DNS ec2-52-34-164-255.us-west-2.compute.amazonaws.com open address	Private IPv4 DNS ip-172-31-32-133.us-west-2.compute.internal
Instance type	Elastic IP addresses	VPC ID

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Recycle Bin

EC2 Feedback

PuTTY

Best match

- PuTTY Desktop app
- PuTTYgen
- Websites

PuTTY

Hostname: EC2AMAZ-7TAA40C
Instance ID: i-05cac46472582de7d
Public IP Address: 3.81.206.40
Private IP Address: 172.31.39.209
Instance Size: t2.micro
Availability Zone: us-east-1d
Architecture: AMD64
Total Memory: 1024 MB
Network Performance: Low to Moderate

Recycle Bin

EC2 Feedback

EC2 Micros...

Atom

Click on the “-SSH” and click on Auth (2)

Paste Public IP Address (1)

PuTTY Configuration

Category: Features Window Appearance Behaviour Translation Selection Colors Connection Data Proxy Telnet Rlogin SSH

Basic options for your PuTTY session
Specify the destination you want to connect to
Host Name (or IP address): 52.34.164.255
Connection type: SSH Raw Telnet Rlogin Serial

Load, save or delete a stored session
Saved Sessions
Default Settings

Close window on exit: Only on clean exit

9:30 PM 3/19/2021

9:31 PM 3/19/2021

Hostname: EC2AMAZ-7IAA40C
Instance ID: I-05cac46472582de7d
Public IP Address: 3.81.206.40
Private IP Address: 172.31.39.209
Instance Size: t2.micro
Availability Zone: us-east-1d
Architecture: AMD64
Total Memory: 1024 MB
Network Performance: Low to Moderate



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EC2 Feedback



Atom



EC2 Micro



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