

MIS 304: Using and Managing Information Systems

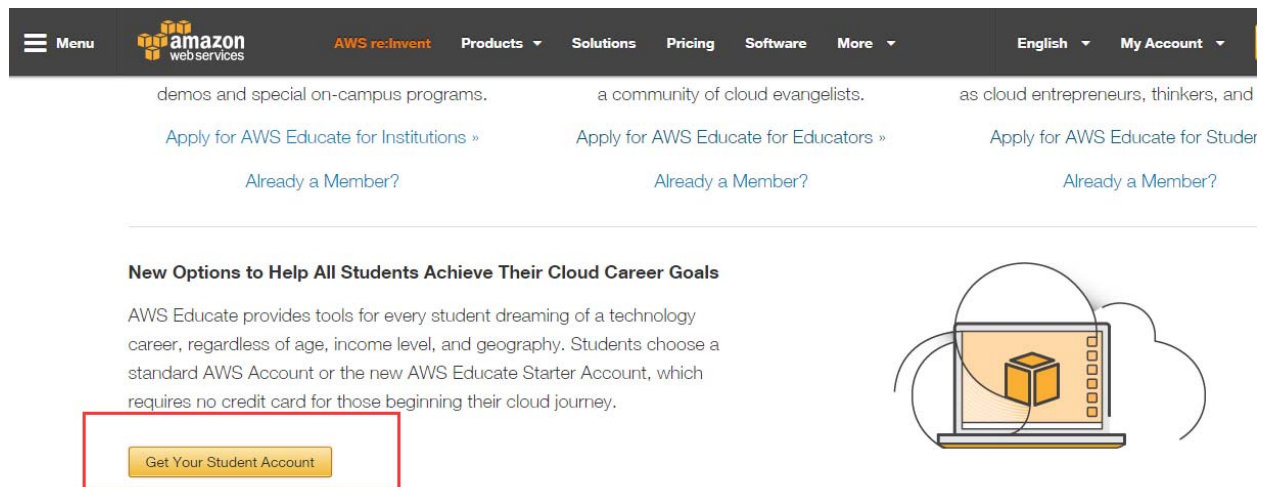
Lab Session 3: Cloud Services – AWS EC2

This lab session is designed to enable you to get hands-on experience with Amazon Web Services (AWS). AWS provides free tools and resources needed to accelerate cloud-related learning endeavors for every student.

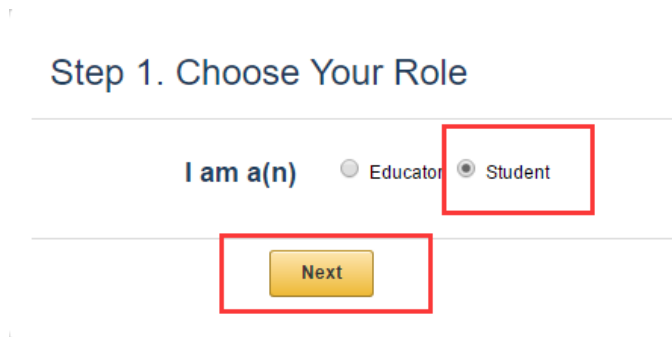
We will first create an AWS Student Account. Then start using AWS Cloud services.

1. Sign up for an AWS Student Account.

- (1) Go to <https://aws.amazon.com/education/awseducate/>, and click “Get Your Student Account”.



- (2) Choose your role as a “Student”. Then click “Next”.



- (3) Follow the instructions. Use your catmail account and fill out the application.

Step 2. Fill out Application

Institution Name	<input type="text" value="University of Arizona"/>	<small>Please write the full name of your school / institution.</small>
Country	<input type="text" value="United States"/>	
City	<input type="text" value="TUCSON"/>	
Field of Study	<input type="text" value="Business and Management"/>	<small>Please select the most appropriate</small>
First Name	<input type="text" value=""/>	
Last Name	<input type="text" value=""/>	
Email	<input type="text" value=" @email.arizona.edu"/>	<small>Provide a valid, current email issued by your institution</small>

Please choose one option for accessing AWS:

☐ Enter an AWS Account Id

[Don't have one? Sign up now](#)

☒ Click here to select an AWS Educate Starter Account

Note: An AWS Educate Starter Account is a free, capped-account that doesn't require a credit card. There are some usage limitations, including an approximately 25% reduction in access to AWS services. See FAQs for details.

Grade Level

Click your grade level under Available and then click the arrow to move your grade level to Chosen

Graduation Year (current degree program)

The graduation year of your current degree program.

Graduation Month (current degree program)

The graduation month of your current degree program.

Promo Code

Enter a promo code here; codes are case sensitive.

[Frequently Asked Questions](#)

- (4) Verify your email address. You will get a verification message. Check your catmail and enter the verification code.

Step 3. Verify Email Address


We need to verify the email address you provided in your AWS Educate application before we can process it.

We sent an email address verification message to your mail box at [redacted]@email.arizona.edu. Please check your messages and input the verification code provided in the email.


Please do not close this page until you enter the verification code sent to your email address. If you close this page before entering the verification code, you will need to restart the application process. If you don't receive an email with the verification code in a few minutes, try checking your spam or junk mail folders.

Verification Code

Please click the box below to help assure that a person and not an automated program is submitting this application. If a set of letters is displayed enter them on the line. If you have any difficulty with the letters, you can click the reload icon to get a new set of letters, or click the headphones to hear audio of what to enter.



I'm not a robot


reCAPTCHA
[Privacy](#) - [Terms](#)

Next

(5) Accept the terms and click “Submit”.

Step 4. Accept Terms


AWS Educate Terms & Conditions

☒ Accept the terms

Submit

(6) Wait about 3-5 minutes. You will receive an email from Amazon again. Click the link provided in the email to set your password.

AWS Educate Application Approved Inbox x

 **AWS Educate Support** support@awseducate.com via amazonses.com 10:57 AM (5 hours ago) ☆

Dear [redacted]

Congratulations!

Your AWS Educate application has been approved. As a member of the AWS Educate program, you will gain access to the benefits listed below:

AWS Educate Student Portal

The AWS Educate Student Portal is the hub for AWS Educate students around the world to find AWS content to help with classwork, connect to self-paced labs and training resources, and to access your AWS Educate Starter Account.

Click here to set your password / login to the AWS Educate Student Portal and access your AWS Educate Starter Account for the first time. Your username is your email address. Once you set your password and sign in, click the "Go to the AWS Educate Starter Account" button to be directed to that account. You will need to accept qwikLABS Terms of Service when you access the account.

Bookmark the AWS Educate Student Portal for easy access, or [click here](#) to sign in directly.

Free AWS Essentials Training

[Click here](#) to access our foundational AWS Essentials online learning class for free and find many other self-paced labs. The website requires a log-in. Please Use the "forgot your password" link when you first log in and generate a new password. Your email address will be your user ID. Please [click here](#) to login.

You can access a video walk-through of the AWS Educate Student portal [here](#).

Thank you again for participating in AWS Educate and we hope you enjoy the program!

The AWS Educate Team



Welcome to AWS Educate Community

Set Your Password

Your Login Credential [redacted]@email.arizona.edu

New Password

Verify New Password

Set Password

The password you enter here will be used for access to the AWS Educate Community. It is always more secure to not use the same password that you use on other sites.

Please ensure your password meets the following requirements:

- i. Password must be at least 8 characters long
- ii. Password must contain at least one letter
- iii. Password must contain at least one number
- iv. Password cannot equal or contain your user name

Your username is your catmail address. Once you set your password and sign in, click the "Go to the AWS Educate Starter Account" button to be directed to that account.



After Account on qwikLABS, inc....

Go to your AWS Educate Starter Account

You will need to accept qwikLABS Terms of Service when you access the account.

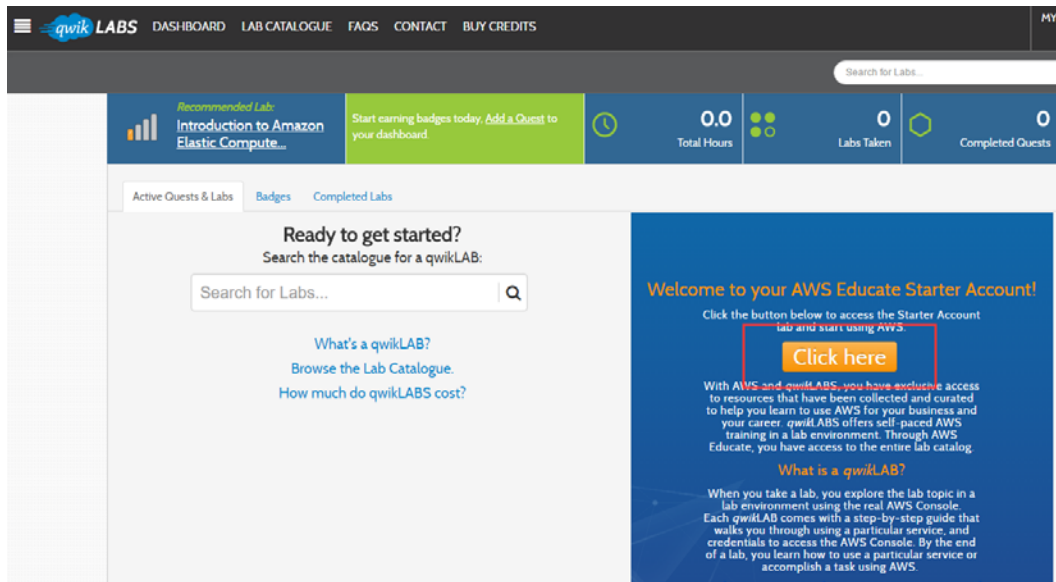
This is a screenshot of the qwikLABS Terms of Service page. At the top, there is a navigation bar with the qwikLABS logo and links for DASHBOARD, LAB CATALOGUE, FAQs, CONTACT, and BUY CREDITS. Below the navigation bar, a message states: "Please review and accept the qwikLABS terms of service to access your account." The main content area displays the "qwikLABS Terms of Service" document, which includes a "Last Updated" date of September 1, 2015, and the full text of the terms agreement. At the bottom right of the terms document, there are two buttons: "I Accept" (highlighted with a red box) and "Cancel".

2. Start using AWS cloud service.

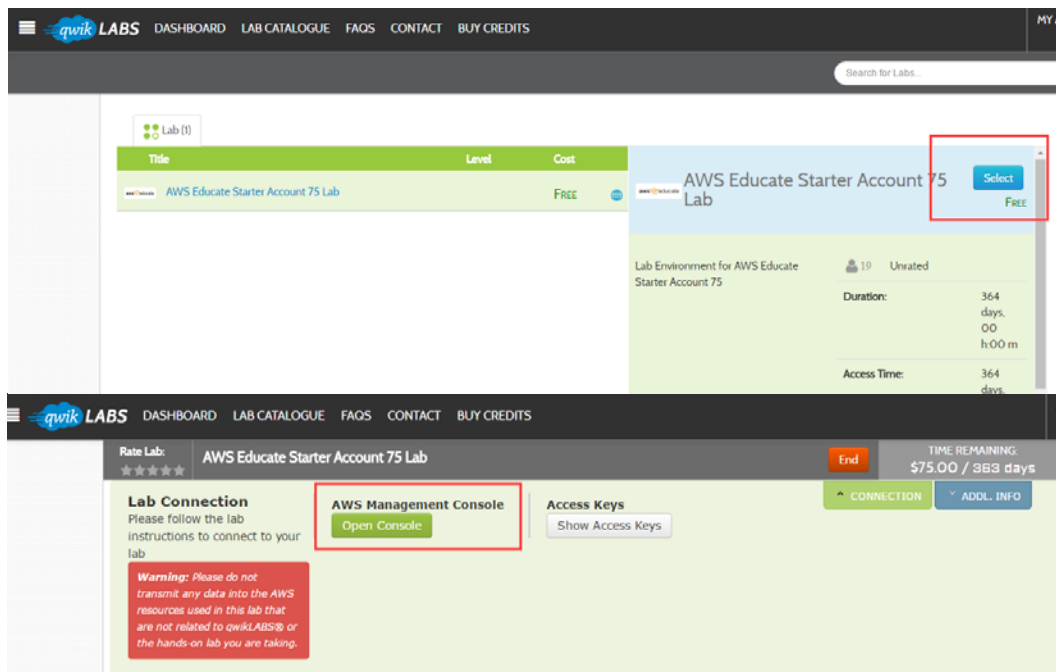
(1) Log into your AWS account. <https://www.awseducate.com/microsite/SiteLogin>

This is a screenshot of the AWS Educate login page. It features the "aws educate" logo at the top. Below the logo, the word "Login" is displayed. There are two input fields: "Username" with the text "*****@email.arizona.edu" and "Password" with a masked password "*****". A yellow "Login" button is positioned below the password field. At the bottom, there is a link that says "Forgot Your Password?".

(2) Click "Click here" on the right side.



(3) Click “Select” on the right side. Then Click “Open Console”.



(4) You should now login to Amazon Web Services panel.

Amazon Web Services

Compute EC2 Virtual Servers in the Cloud EC2 Container Service Run and Manage Docker Containers Elastic Beanstalk Run and Manage Web Apps Lambda Run Code in Response to Events	Developer Tools CodeCommit Store Code in Private Git Repositories CodeDeploy Automate Code Deployments CodePipeline Release Software using Continuous Delivery	Internet of Things AWS IoT Connect Devices to the Cloud Game Development GameLift Deploy and Scale Session-based Multiplayer Games
Storage & Content Delivery S3 Scalable Storage in the Cloud CloudFront Global Content Delivery Network Elastic File System Fully Managed File System for EC2 Glacier Archive Storage in the Cloud Snowball Large Scale Data Transport Storage Gateway Hybrid Storage Integration	Management Tools CloudWatch Monitor Resources and Applications CloudFormation Create and Manage Resources with Templates CloudTrail Track User Activity and API Usage Config Track Resource Inventory and Changes OpsWorks Automate Operations with Chef Service Catalog Create and Use Standardized Products Trusted Advisor Optimize Performance and Security	Mobile Services Mobile Hub Build, Test, and Monitor Mobile Apps Cognito User Identity and App Data Synchronization Device Farm Test Android, iOS, and Web Apps on Real Devices in the Cloud Mobile Analytics Collect, View and Export App Analytics SNS Push Notification Service
		Application Services API Gateway Build, Deploy and Manage APIs

(5) Now we need to generate key-pairs to encrypt and decrypt login information for AWS services. Under the group of links titled “NETWORK & SECURITY”, you can locate “Key Pairs”. Click “Key Pairs” in the navigation pane.

What is key-pair? Read:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html>

EC2 Dashboard

- Events
- Tags
- Reports
- Limits
- INSTANCES**
 - Instances
 - Spot Requests
 - Reserved Instances
 - Scheduled Instances
 - Dedicated Hosts
- IMAGES**
 - AMIs
 - Bundle Tasks
- ELASTIC BLOCK STORE**
 - Volumes
 - Snapshots
- NETWORK & SECURITY**
 - Security Groups
 - Elastic IPs
 - Placement Groups
 - Key Pairs**
 - Network Interfaces

Resources

You are using the following Amazon EC2 resources in the US West (Oregon) region:

- 1 Running Instances
- 0 Dedicated Hosts
- 1 Volumes
- 1 Key Pairs
- 0 Placement Groups

Build and run distributed, fault-tolerant applications in the cloud with Amazon EC2

Create Instance

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

Launch Instance

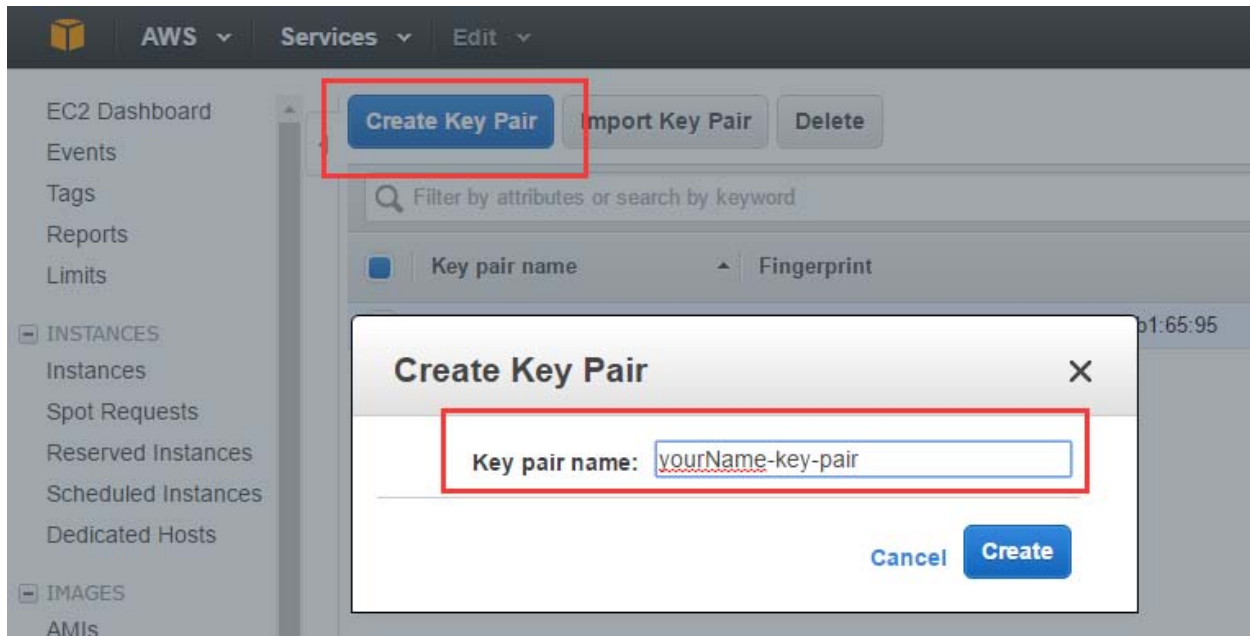
Note: Your instances will launch in the US West (Oregon) region

Service Health

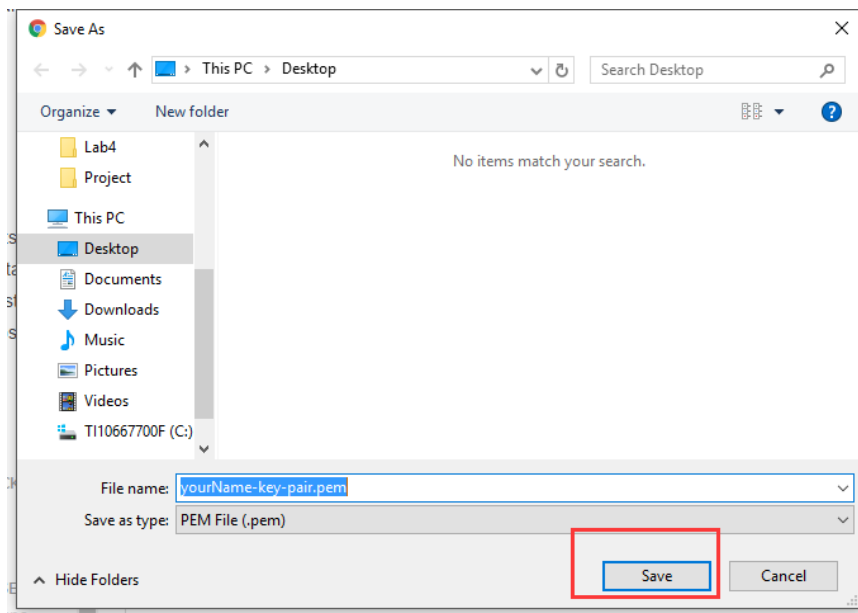
Service Status: **US West**

US West (Oregon): **Operating normally**

(6) Click “Create Key Pair”. Enter a name for the new key pair (for example, *yourname-key-pair*). Then click “Create”.



- (7) The private key file is automatically downloaded by your browser. The base file name is the name you specified as the name of your key pair, and the file name extension is *.pem*. Save the private key file in a safe place. **Important:** this is the only chance for you to save the private key file. You'll need to provide the name of your key-pair when you launch an instance and the corresponding private key each time you connect to the instance.



- (8) We will now start a virtual servers in the cloud. Go back to Amazon Web Services panel. Click “EC2”.

Amazon Web Services

Compute

- EC2: Virtual Servers in the Cloud
- EC2 Container Service: Run and Manage Docker Containers
- Elastic Beanstalk: Run and Manage Web Apps
- Lambda: Run Code in Response to Events

Storage & Content Delivery

- S3: Scalable Storage in the Cloud
- CloudFront: Global Content Delivery Network
- Elastic File System: Fully Managed File System for EC2

Developer Tools

- CodeCommit: Store Code in Private Git Repositories
- CodeDeploy: Automate Code Deployments
- CodePipeline: Release Software using Continuous Delivery

Management Tools

- CloudWatch: Monitor Resources and Applications
- CloudFormation: Create and Manage Resources with Templates
- CloudTrail: Track User Activity and API Usage
- Config: Track Resource Inventory and Changes

Internet of Things

- AWS IoT: Connect Devices to the Cloud

Game Development

- GameLift: Deploy and Scale Session-based Multiplayer Games

Mobile Services

- Mobile Hub: Build, Test, and Monitor Mobile Apps
- Cognito: User Identity and App Data Synchronization
- Device Farm: Test Android, iOS, and Web Apps on Real Devices in the Cloud
- Mobile Analytics: Collect, View and Export App Analytics

Resource Groups [Learn more](#)

A resource group is a collection of resources that share one or more tags. Create a group for each project, application, or environment in your account.

[Create a Group](#) [Tag Editor](#)

Additional Resources

[Getting Started](#)
Read our documentation or view our training to learn more about AWS.

[AWS Console Mobile App](#)
View your resources on the go with our AWS

(9) Click “Launch Instance”.

EC2 Dashboard

- Events
- Tags
- Reports
- Limits
- INSTANCES
 - Instances
 - Spot Requests
 - Reserved Instances
 - Scheduled Instances
 - Dedicated Hosts
- IMAGES
 - AMIs
 - Bundle Tasks
- ELASTIC BLOCK STORE
 - Volumes
 - Snapshots

Resources

You are using the following Amazon EC2 resources in the US West (Oregon) region:

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

Build and run distributed, fault-tolerant applications in the cloud with Amazon Simple Workflow Service.

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 West (Oregon) region

(10) Select Microsoft Windows Sever 2012 R2 Base (free).

Step 1: Choose an Amazon Machine Image (AMI)

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 6. Configure Security Group 7. Review

[Cancel and Exit](#)

My AMIs

AWS Marketplace

Community AMIs

☐ Free tier only ⓘ

AMI	AMI ID	Architecture	Root device type	Virtualization type	Free tier eligible	Select
Amazon Linux AMI 2016.03.3 (HVM), SSD Volume Type	ami-7172b611	64-bit	ebs	hvm	Yes	Select
Red Hat Enterprise Linux 7.2 (HVM), SSD Volume Type	ami-775e4f16	64-bit	ebs	hvm	Yes	Select
SUSE Linux Enterprise Server 12 SP1 (HVM), SSD Volume Type	ami-d2627db3	64-bit	ebs	hvm	Yes	Select
Ubuntu Server 14.04 LTS (HVM), SSD Volume Type	ami-9abae4fb	64-bit	ebs	hvm	Yes	Select
Microsoft Windows Server 2012 R2 Base	ami-8d0acfed	64-bit	ebs	hvm	Yes	Select

(11) Choose “t2.micro” (free). Then click “Next: configure Instance Details”.

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 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
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate
<input checked="" type="checkbox"/>	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	m4.large	2	8	EBS only	Yes	Moderate
<input type="checkbox"/>	General purpose	m4.xlarge	4	16	EBS only	Yes	High
<input type="checkbox"/>	General purpose	m4.2xlarge	8	32	EBS only	Yes	High
<input type="checkbox"/>	General purpose	m4.4xlarge	16	64	EBS only	Yes	High
<input type="checkbox"/>	General purpose	m4.10xlarge	40	160	EBS only	Yes	10 Gigabit
<input type="checkbox"/>	General purpose	m3.medium	1	3.75	1 x 4 (SSD)	-	Moderate
<input type="checkbox"/>	General purpose	m3.large	2	7.5	1 x 32 (SSD)	-	Moderate

Cancel Previous Review and Launch Next: Configure Instance Details

(12) Click “Next: add Storage”.

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 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-38d0a05c (172.31.0.0/16) (default) Create new VPC

Subnet No preference (default subnet in any Availability Zone) Create new subnet

Auto-assign Public IP Use subnet setting (Enable)

Domain join directory None Create new directory

IAM role None Create new IAM role

Shutdown behavior Stop

Enable termination protection ☐ Protect against accidental termination

Monitoring ☐ Enable CloudWatch detailed monitoring
Additional charges apply.

Tenancy Shared - Run a shared hardware instance
Additional charges will apply for dedicated tenancy.

Advanced Details

Cancel Previous Review and Launch Next: Add Storage

(13) Click “Next: Tag Instance”.

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 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/sda1	snap-1baab85d	30	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: Tag Instance

(14) Click "Next: Configure Security Group".

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 6. Configure Security Group 7. Review

Step 5: Tag Instance

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. [Learn more](#) about tagging your Amazon EC2 resources.

Key (127 characters maximum)	Value (255 characters maximum)
<input type="text" value="Name"/>	<input type="text"/>

Create Tag (Up to 10 tags maximum)

Cancel Previous Review and Launch Next: Configure Security Group

(15) Click "Review and launch".

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 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 2016-06-29T16:40:39.784-07:00

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ
RDP	TCP	3389	Anywhere 0.0.0.0/0

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

(16) Click “Launch”.

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](#)



Microsoft Windows Server 2012 R2 Base - ami-8d0acfed

Free tier eligible

Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English]

Root Device Type: ebs Virtualization type: hvm

If you plan to use this AMI for an application that benefits from Microsoft License Mobility, fill out the [License Mobility Form](#). Don't show me this again

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
Description: launch-wizard-1 created 2016-06-29T16:40:39.784-07:00

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ
RDP	TCP	3389	0.0.0.0/0

Instance Details

[Edit instance details](#)

Storage

[Edit storage](#)

Cancel

Previous

Launch

(17) Select the key pair you just created. Click “Launch Instances”.

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

key-pair

yourName-key-pair

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

Cancel

Launch Instances

(18) Click “View Instances”.

Launch Status

Your instances are now launching

The following instance launches have been initiated: i-026390203e56740ae
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

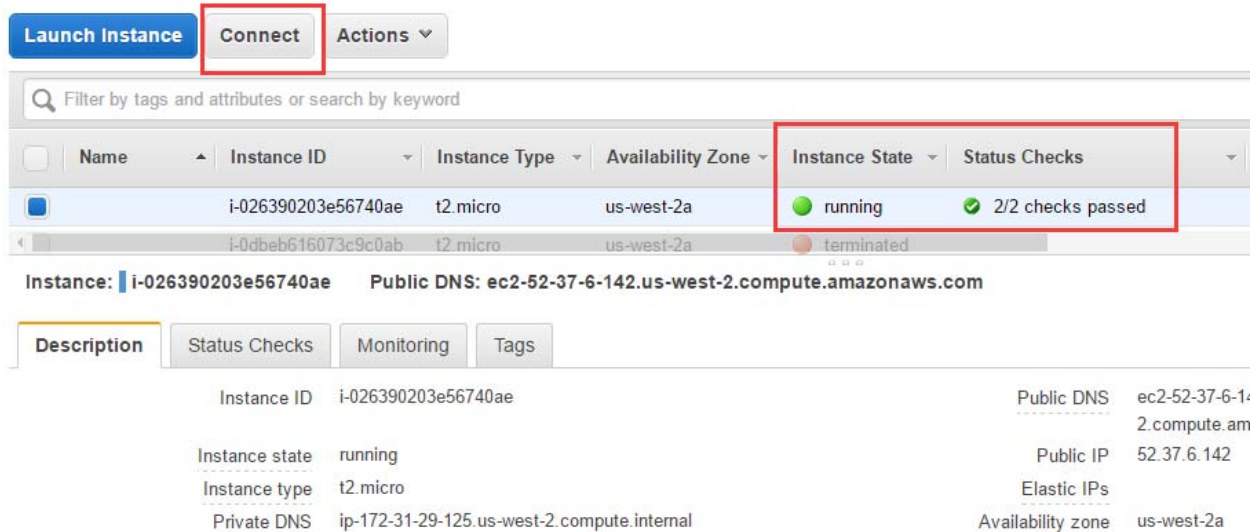
- Amazon EC2: User Guide
- How to connect to your Windows instance
- Amazon EC2: Microsoft Windows Guide
- Learn about AWS Free Usage Tier
- Amazon EC2: Discussion Forum

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

(19) Wait about 3-5 minutes until “Instance State” is “running” and “Status Checks” is “2/2 checks passed”. Then click “Connect”.



Launch Instance **Connect** Actions ▾

Filter by tags and attributes or search by keyword

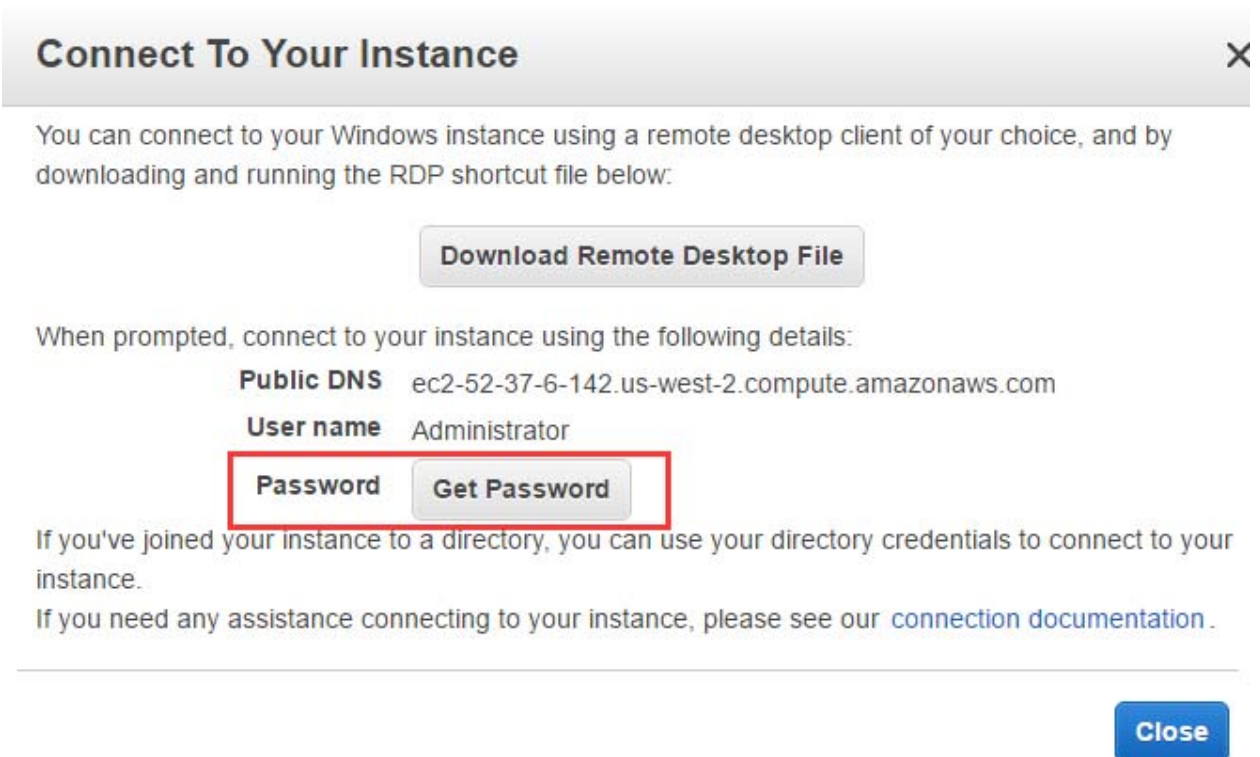
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks
	i-026390203e56740ae	t2.micro	us-west-2a	running	2/2 checks passed
	i-0db6b616073c9c0ab	t2.micro	us-west-2a	terminated	

Instance: **i-026390203e56740ae** Public DNS: **ec2-52-37-6-142.us-west-2.compute.amazonaws.com**

Description Status Checks Monitoring Tags

Instance ID	i-026390203e56740ae			Public DNS	ec2-52-37-6-142.us-west-2.compute.amazonaws.com
Instance state	running			Public IP	52.37.6.142
Instance type	t2.micro			Elastic IPs	
Private DNS	ip-172-31-29-125.us-west-2.compute.internal			Availability zone	us-west-2a

(20) Click “Get Password”.



Connect To Your Instance

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

Download Remote Desktop File

When prompted, connect to your instance using the following details:

Public DNS	ec2-52-37-6-142.us-west-2.compute.amazonaws.com
User name	Administrator
Password	Get Password

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

If you need any assistance connecting to your instance, please see our [connection documentation](#).

Close

(21) Click “Choose File”. Choose *yourName-key-pair.pem* you just created. Then click “Decrypt Password”.

Connect To Your Instance > Get Password

The following Key Pair was associated with this instance when it was created.

Key Name wenli-key-pair.pem

In order to retrieve your password you will need to specify the path of this Key Pair on your local machine:

Key Pair Path Choose File No file chosen (1)

Or you can copy and paste the contents of the Key Pair below:

```
-----BEGIN RSA PRIVATE KEY-----
MIIIEogIBAAKCAQEAj7AKCj5J2Vn0w8e5/yasxRtQOGXDwAA6KtgfEiFka80TsDXxdavThRVwhAxe
+oatxt63XUglsM3nYufkVBSc2UqmKLC3BNDF6tcRNNI3Zf9FaQR7xYMW97wrQBVfLI/t4ev/dr9t
9przZeyThitHyIJUx4c7uzK8uLVulriKcyyRRvHTPGs6RdSajn0Nz7vNNHbddmoSPVB+dntyF9Sb
ae8rzbBcFVH8wX2FsxzeraBwpXLdZ1gEDSJ6fNgJZB0eqfmUuOnf0s2FGnqEIZs+Zv6xs8krig
```

(2) Decrypt Password

Back Close

Copy your password for later use. Then click “Download Remote Desktop File”.

Connect To Your Instance

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

Download Remote Desktop File (2)

When prompted, connect to your instance using the following details:

Public DNS ec2-52-37-6-142.us-west-2.compute.amazonaws.com

User name Administrator

Password (1)

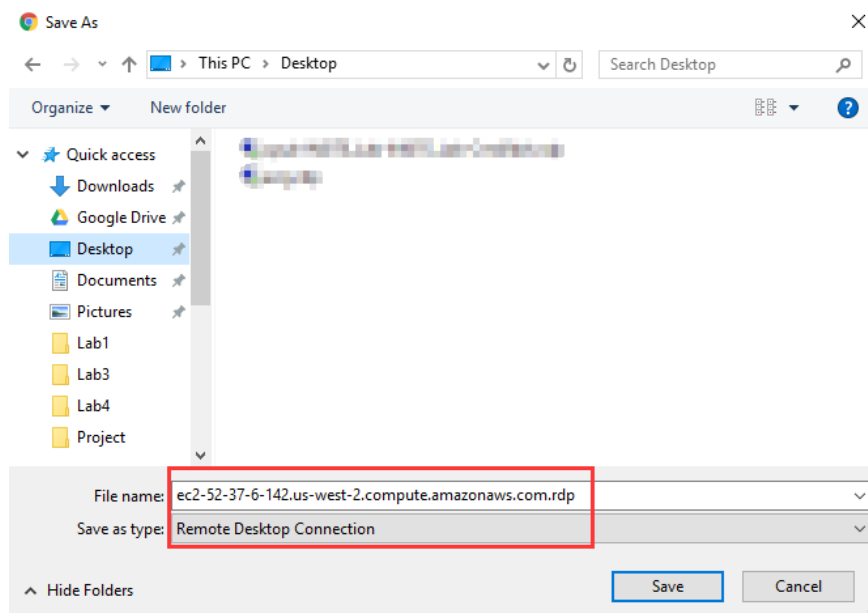
If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

If you need any assistance connecting to your instance, please see our [connection documentation](#).

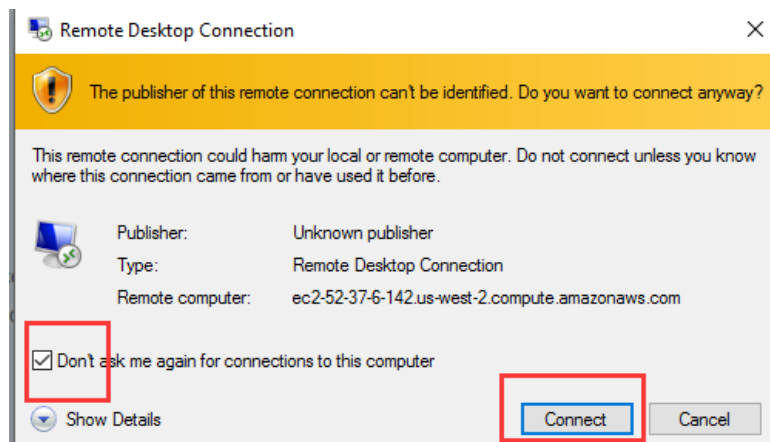
(3) Close

(22) Save your rdp file on your desktop.

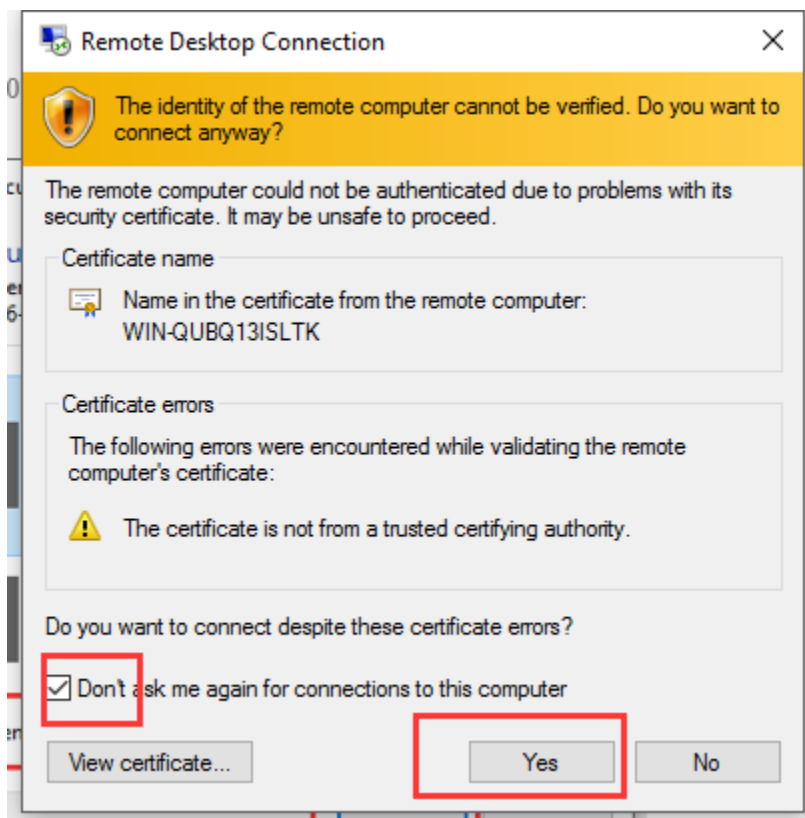
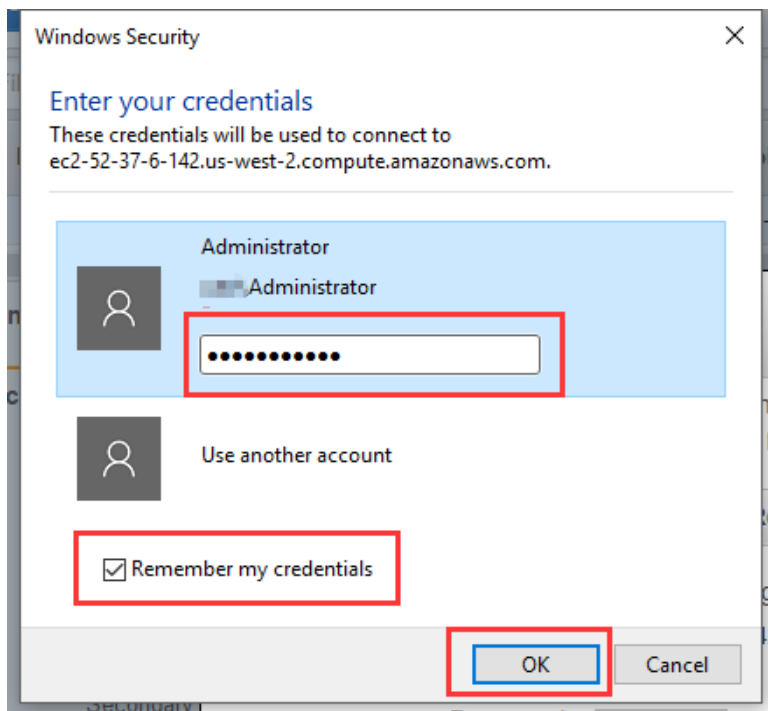
What are rdp files? Read: https://en.wikipedia.org/wiki/Remote_Desktop_Protocol



(23) Double click the rdp file. Then click “Connect”.



(24) Paste your password. Click “OK”. Then Click “Yes”.



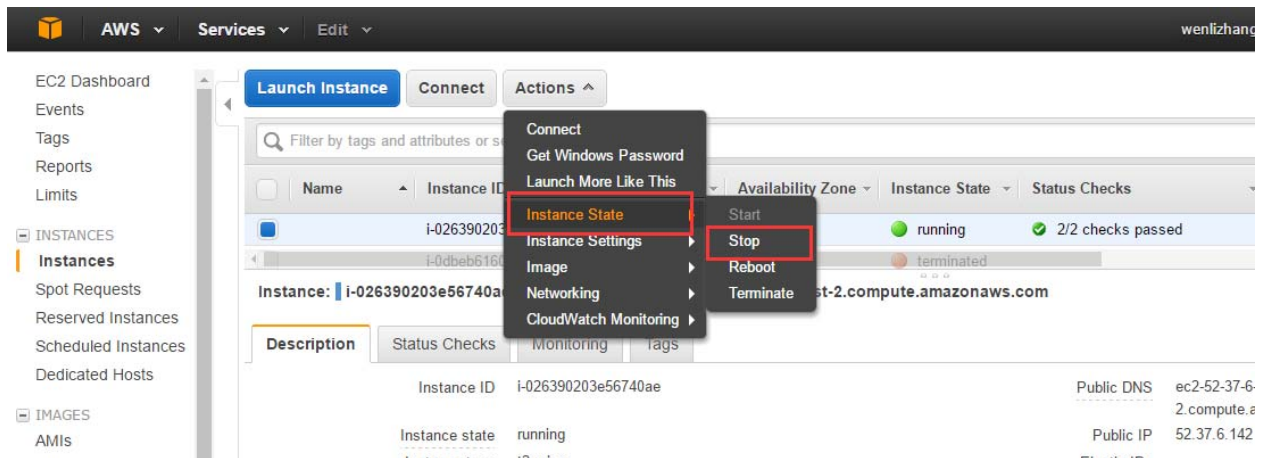
- (25) You have your own cloud computing server now. What is the public IP Address of your server?



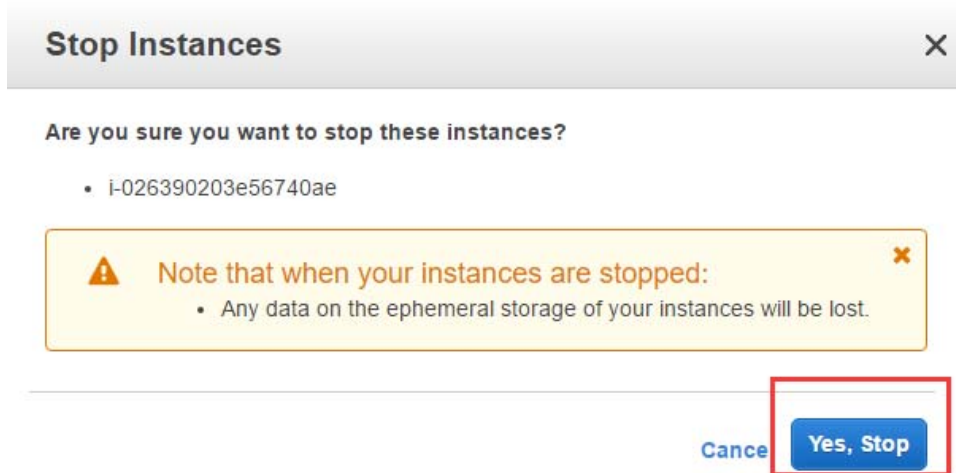
Deliverables

Take a screen shot of your AWS sever desktop and paste it on a word file **yourNetID_L3.docx**, submit in TurnItIn.

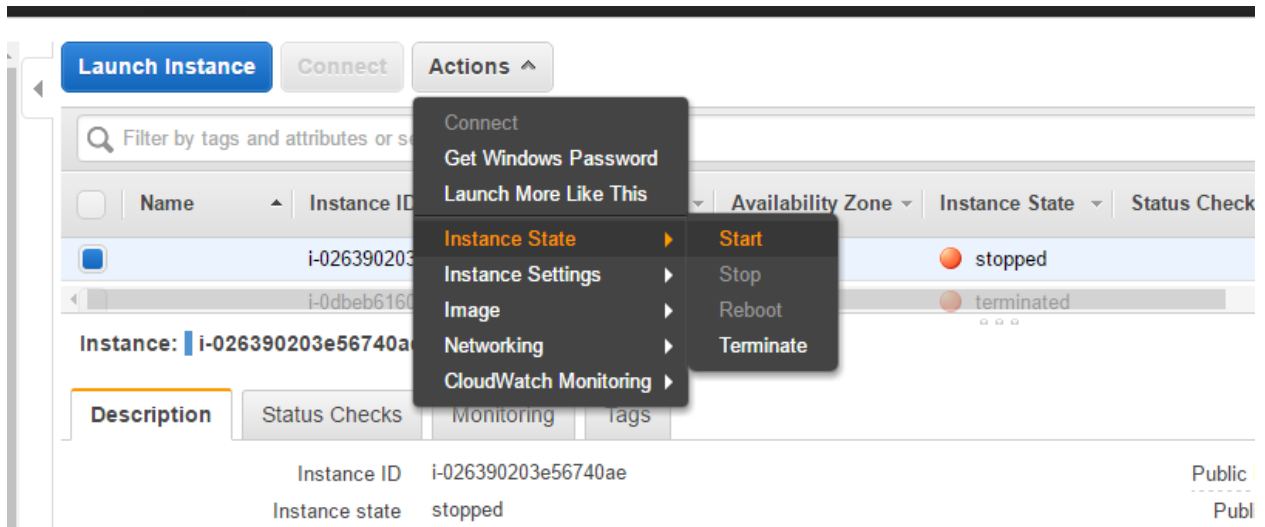
- (26) **Important:** You can close your sever now (You can reconnect to your sever later by using your rdp file again). Go back to your AWS EC2 Dashboard. Click “Actions”→ “Instance State” → “Stop”.



- (27) Click “Yes, Stop”. Note that when your instances are stopped: Any data on the ephemeral storage of your instances will be lost.



(28) If you want to use your cloud service next time. Do not forget to “Start” your server first.



*** Copyright: Originally created by Wenli Zhang for MIS 304.*