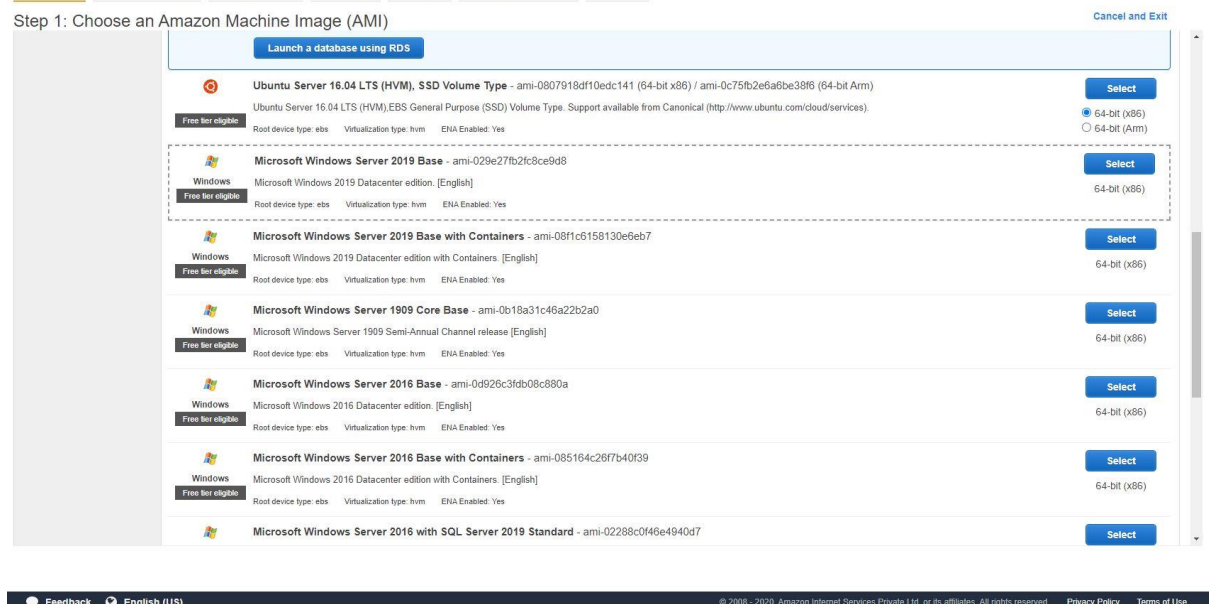


### Step 1: Choose an Amazon Machine Image (AMI)



## 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 typesCurrent generationShow/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 (GiB)	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	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
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.medium	2	4	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.large	2	8	EBS only	Yes	Up to 5 Gigabit	Yes

CancelPreviousReview and LaunchNext: Configure Instance Details

## Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances	1	Launch into Auto Scaling Group
Purchasing option	<input type="checkbox"/> Request Spot instances	
Network	vpc-5d3b7e25 (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	<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	
Shutdown behavior	Stop	
Stop - Hibernate behavior	<input type="checkbox"/> Enable hibernation as an additional stop behavior	
Enable termination protection	<input type="checkbox"/> Protect against accidental termination	
Monitoring	<input type="checkbox"/> Enable CloudWatch detailed monitoring Additional charges apply.	
Tenancy	Shared - Run a shared hardware instance Additional charges will apply for dedicated tenancy.	
Elastic Graphics	<input type="checkbox"/> Add Graphics Acceleration Additional charges apply.	
T2/T3 Unlimited	<input type="checkbox"/> Enable	

CancelPreviousReview and LaunchNext: Add Storage

Launch instance wizard | EC2 M...Project Day 3.pdf

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

awsServicesResource Groups

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

### Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more about storage options in Amazon EC2.](#)

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/sda1	snap-0be0355d8d5c66755	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 GiB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

CancelPreviousReview and LaunchNext: Add Tags

FeedbackEnglish (US)© 2008 - 2020 Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.Privacy PolicyTerms of Use

Launch instance wizard | EC2 M...Project Day 3.pdf

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

awsServicesResource Groups

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. 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 = Webservers. 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
Name	Windows 2019	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Add another tag (Up to 50 tags maximum)

CancelPreviousReview and LaunchNext: Configure Security Group

FeedbackEnglish (US)© 2008 - 2020 Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.Privacy PolicyTerms of Use

Launch instance wizard | EC2 M...Project Day 3.pdf

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

awsServicesResource Groups

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. 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 = Webservers. 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
Name	Windows 2019	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Add another tag (Up to 50 tags maximum)

CancelPreviousReview and LaunchNext: Configure Security Group

FeedbackEnglish (US)© 2008 - 2020 Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.Privacy PolicyTerms of Use

Launch instance wizard | EC2 Mi...Project Day 3.pdf

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

ServicesResource Groups

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. 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
All traffic	All	0 - 65535	Anywhere 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.

CancelPreviousReview and Launch

FeedbackEnglish (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy PolicyTerms of Use

Launch instance wizard | EC2 Mi...Project Day 3.pdf

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

ServicesResource Groups

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

### Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**Improve your instances' security. Your security group, launch-wizard-1, is open to the world.**

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details

Microsoft Windows Server 2019 Base - ami-029e27fb2fc8ce9d8

Free tier eligible

Microsoft Windows 2019 Datacenter edition. [English]

Root Device Type: ebsVirtualization 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

Edit AMI

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

Edit instance type

Security Groups

Security group name launch-wizard-1

Description launch-wizard-1 created 2020-08-21T14:54:01.138+05:30

Type	Protocol	Port Range	Source	Description
All traffic	All	All	0.0.0.0/0	
All traffic	All	All	:::0	

Edit security groups

Instance Details

CancelPreviousLaunch

FeedbackEnglish (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy PolicyTerms of Use

Launch instance wizard | EC2 Mi...Project Day 3.pdf

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

ServicesResource Groups

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

Step 7: Review Instance Launch

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

Microsoft Windows Server 2019 Base - ami-029e27fb2fc8ce9d8

Free tier eligible

Microsoft Windows 2019 Datacenter edition, [English]

Root Device Type: ebsVirtualization type: hvm

If you plan to use this AMI for an application that benefits from Microsoft Licen...

Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)
t2.micro	Variable	1	1

Security Groups

Security group name	launch-wizard-1
Description	launch-wizard-1 created 2020-08-21T14:...
Type	All traffic
Protocol	All
All traffic	All

Instance Details

Storage

Tags

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.

Create a new key pair

Key pair name

AminSKletsUpgrade

Download Key Pair

Error

Error creating Key Pair: The keypair 'AminSKletsUpgrade' already exists.

You have to download the **private key file** (\*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

CancelLaunch Instances

FeedbackEnglish (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

Launch instance wizard | EC2 Mi...Project Day 3.pdf

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

ServicesResource Groups

Launch Status

Your instances are now launching

The following instance launches have been initiated: i-0ce8654b39785616e [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 Windows instance

Learn about AWS Free Usage Tier

Amazon EC2: User Guide

Amazon EC2: Microsoft Windows Guide

Amazon EC2: Discussion Forum

While your instances are launching you can also

Create status check alarms to be notified when these instances fail status checks. (Additional charges may apply)

Create and attach additional EBS volumes (Additional charges may apply)

Manage security groups

View Instances

FeedbackEnglish (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)



Instances | EC2 Management Console | Project Day 3.pdf

us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#instances:search=i-0ce8654b39785616e&sort=instancetype

Services | Resource Groups

New EC2 Experience

EC2 Dashboard | Events | Tags | Limits

Instances

Instance Types | Launch Templates | Spot Requests | Savings Plans | Reserved Instances | Dedicated Hosts | Scheduled Instances | Capacity Reservations

Images

AMIs

Elastic Block Store

Volumes | Snapshots | Lifecycle Manager

Network & Security

Security Groups | Elastic IPs | Placement Groups | Key Pairs

Launch Instance | Connect | Actions

search: i-0ce8654b39785616e

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name
Windows 2019	i-0ce8654b39785616e	t2.micro	us-west-2c	running	Initializing	None	ec2-34-213-140-161.us-...	34.213.140.161	-	AminSkL

Instance: i-0ce8654b39785616e (Windows 2019) Public DNS: ec2-34-213-140-161.us-west-2.compute.amazonaws.com

Description | Status Checks | Monitoring | Tags

Instance ID: i-0ce8654b39785616e  
Instance state: running  
Instance type: t2.micro  
Finding: Opt-in to AWS Compute Optimizer for recommendations. Learn more  
Private DNS: ip-172-31-12-127.us-west-2.compute.internal  
Private IP: 172.31.12.127  
Secondary private IPs: -

Public DNS (IPv4): ec2-34-213-140-161.us-west-2.compute.amazonaws.com  
IPv4 Public IP: 34.213.140.161  
IPv6 IPs: -  
Elastic IPs: -  
Availability zone: us-west-2c  
Security groups: launch-wizard-1, view inbound rules, view outbound rules  
Scheduled events: No scheduled events

Instances | EC2 Management Console | Project Day 3.pdf

us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#instances:search=i-0ce8654b39785616e&sort=instancetype

Services | Resource Groups

New EC2 Experience

EC2 Dashboard | Events | Tags | Limits

Instances

Instance Types | Launch Templates | Spot Requests | Savings Plans | Reserved Instances | Dedicated Hosts | Scheduled Instances | Capacity Reservations

Images

AMIs

Elastic Block Store

Volumes | Snapshots | Lifecycle Manager

Network & Security

Security Groups | Elastic IPs | Placement Groups | Key Pairs

Launch Instance | Connect | Actions

search: i-0ce8654b39785616e

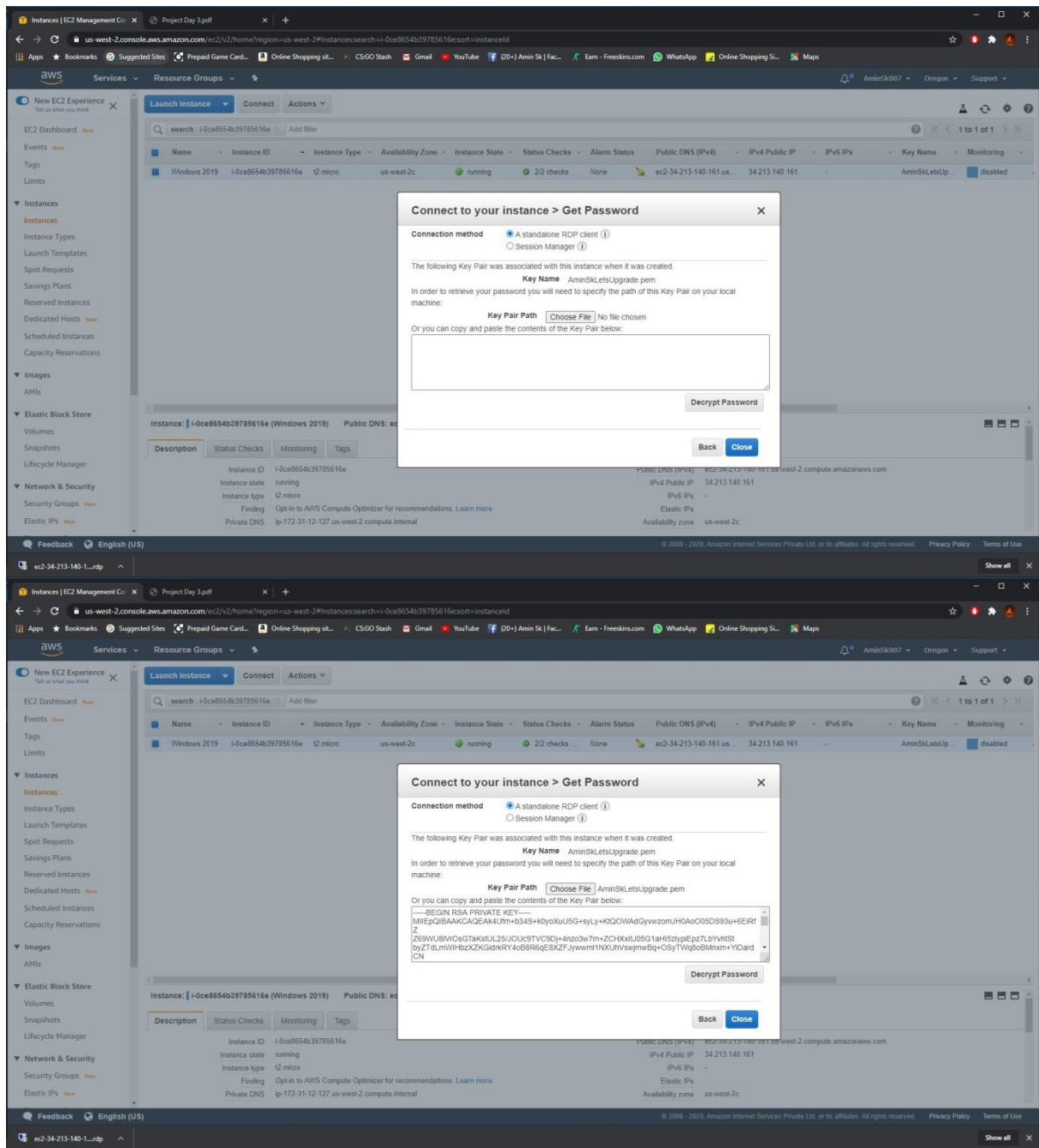
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name	Monitoring
Windows 2019	i-0ce8654b39785616e	t2.micro	us-west-2c	running	2/2 checks passed	None	ec2-34-213-140-161.us-...	34.213.140.161	-	AminSkLetsUp...	disabled

Instance: i-0ce8654b39785616e (Windows 2019) Public DNS: ec2-34-213-140-161.us-west-2.compute.amazonaws.com

Description | Status Checks | Monitoring | Tags

Instance ID: i-0ce8654b39785616e  
Instance state: running  
Instance type: t2.micro  
Finding: Opt-in to AWS Compute Optimizer for recommendations. Learn more  
Private DNS: ip-172-31-12-127.us-west-2.compute.internal  
Private IP: 172.31.12.127  
Secondary private IPs: -

Public DNS (IPv4): ec2-34-213-140-161.us-west-2.compute.amazonaws.com  
IPv4 Public IP: 34.213.140.161  
IPv6 IPs: -  
Elastic IPs: -  
Availability zone: us-west-2c  
Security groups: launch-wizard-1, view inbound rules, view outbound rules  
Scheduled events: No scheduled events



Instances | EC2 Management Console | Project Day 3.pdf

us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#Instances:search=i-0ce8654b39785616e&sort=instancetype

Services | Resource Groups

EC2 Dashboard

Launch Instance | Connect | Actions

Search: i-0ce8654b39785616e

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name	Monitoring
Windows 2019	i-0ce8654b39785616e	t2.micro	us-west-2c	running	2/2 checks	None	ec2-34-213-140-161.us-west-2.compute.amazonaws.com	34.213.140.161	-	AminSKLetUp	disabled

**Connect to your instance**

Connection method: ☒ A standalone RDP client ☐ Session Manager

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:** ec2-34-213-140-161.us-west-2.compute.amazonaws.com  
**User name:** Administrator  
**Password:** l3~Fy845HC8BnLvrYg6PwP8RqE6ABSLPQI

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](#)

Instance: i-0ce8654b39785616e (Windows 2019) | Public DNS: ec2-34-213-140-161.us-west-2.compute.amazonaws.com

Description | Status Checks | Monitoring | Tags


Instance ID: i-0ce8654b39785616e  
Instance state: running  
Instance type: t2.micro  
Finding: Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)  
Private DNS: ip-172-31-12-127.us-west-2.compute.internal

Public DNS (IPv4): ec2-34-213-140-161.us-west-2.compute.amazonaws.com  
IPv4 Public IP: 34.213.140.161  
IPv6 IPs: -  
Elastic IPs: -  
Availability zone: us-west-2c


Feedback | English (US) | © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy | Terms of Use

ec2-34-213-140-161.us-west-2.compute.amazonaws.com

**Remote Desktop Connection**

 **The publisher of this remote connection can't be identified. Do you want to connect anyway?**


This remote connection could harm your local or remote computer. Do not connect unless you know where this connection came from or have used it before.

 **Publisher:** Unknown publisher

**Type:** Remote Desktop Connection

**Remote computer:** ec2-34-213-140-161.us-west-2.compute.amazonaws.com

☐ Don't ask me again for connections to this computer

 [Show Details](#) [Connect](#) [Cancel](#)



