

EC2 Management Console Amazon Web Services (AWS) - X +

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

aws Services Resource Groups

EC2 Dashboard Launch Instance Connect Actions

Events Tags Reports Limits

INSTANCES

Instances (selected)

Launch Templates Spot Requests Reserved Instances Dedicated Hosts

IMAGES

AMIs Bundle Tasks

ELASTIC BLOCK STORE

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A large red arrow points upwards from the "Instances" section of the left sidebar towards the "Launch Instance" button at the top of the main content area.

The main content area displays a list of instances:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status
JENKINS	i-0e88f74b1753f6857	t2.micro	us-east-2c	stopped	● stopped
UBUNTU	i-0f88186862820dabe	t2.micro	us-east-2c	running	● running

Details for the selected instance (UBUNTU):

Description	Value	Description	Value
Instance ID	i-0f88186862820dabe	Public DNS (IPv4)	ec2-18-217-21-7.us-east-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	18.217.21.7
Instance type	t2.micro	IPv6 IPs	-
Elastic IPs		Private DNS	ip-172-31-41-75.us-east-2.compute.internal
Availability zone	us-east-2c	Private IPs	172.31.41.75
Security groups	mygroup. view inbound rules	Secondary private IPs	
Scheduled events	No scheduled	VPC ID	vpc-36325d5e

Step 1: Choose an Amazon Machine Image (AMI)

Image Name	Description	Architecture
Deep Learning AMI (Microsoft Windows Server 2016) - ami-a0102dc5	Microsoft Windows Server 2016 with Tensorflow, Caffe and MXNet. [English] Root device type: ebs Virtualization type: hvm	64-bit
Microsoft Windows Server 2012 R2 Base - ami-ee112c8b	Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English] Root device type: ebs Virtualization type: hvm	64-bit
Microsoft Windows Server 2012 Base - ami-390c315c	Microsoft Windows 2012 Standard edition with 64-bit architecture [English] Root device type: ebs Virtualization type: hvm	64-bit
Microsoft Windows Server 2008 R2 Base - ami-67172a02	Microsoft Windows 2008 R2 SP1 Datacenter edition, 64-bit architecture. [English] Root device type: ebs Virtualization type: hvm	64-bit

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

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 have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate instance type 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	Perf
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low
<input checked="" type="checkbox"/>	General purpose	t2.micro	1	1	EBS only	-	Low
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low

[Cancel](#)[Previous](#)[Review and Launch](#)[Next: C](#)

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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 Launch into Auto Scaling Group

Purchasing option Request Spot instances

Network vpc-36325d5e (default)

Subnet No preference (default subnet in any Availability Zone)

Auto-assign Public IP Use subnet setting (Enable)

Placement group Add instance to placement group.

Domain join directory None

IAM role None

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

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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 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-0a5fe528246edc60e	30	General Purpose	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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The screenshot shows the AWS EC2 Management Console with the URL <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2>. The page is titled "Step 5: Add Tags" and is part of a "Launch instance" wizard. The steps are numbered 1 through 7: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags (which is highlighted with an orange bar), 6. Configure Security Group, and 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	(127 characters maximum)	Value	(255 characters maximum)	Instances	Volumes
Name		Windows Server		<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

A red arrow points from the text "Windows Server" in the Value field to the "Review and Launch" button at the bottom of the form.

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Services Resource Groups satishdevops 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 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: SATISH-DEVOPS

Description: launch-wizard-1 created 2018-06-20T18:40:05.983+05:30

Type	Protocol	Port Range	Source	Description
Custom TCP F	TCP	3389	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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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, SATISH-DEVOPS, 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 Base - ami-390c315c

Free tier eligible

Microsoft Windows 2012 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
---------------	------	-------	--------------	-----------------------	-------------------------	---------------------

[Cancel](#)

[Previous](#)

[Launch](#)

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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

Step 7: Review Instance Launch

Please review your instance details to complete the launch process.

AMI Details

Instance Type

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 SATISH_DEVOPS

Download Key Pair

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

Cancel Launch Instances

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Instance Launch

Select an instance type

A key pair consists of a public and private key. Together, they allow you to securely obtain the password required to access your instance via SSH.

Note: The selected key pair cannot be removed from this instance.

Create a new key pair

Key pair name: SATISH_DEVOPS

Opening SATISH_DEVOPS.pem

You have chosen to open:
SATISH_DEVOPS.pem 

which is: Text Document
from: <https://us-east-2.console.aws.amazon.com>

What should Firefox do with this file?

Open with Notepad (default) 

Save File

Do this automatically for files like this from now on.

OK Cancel

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

Cancel Launch Instances

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Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

Name Instance ID Instance Type Availability Zone Instance State Status

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status
Windows Server	i-03f3d13c175cc3344	t2.micro	us-east-2c	running	In Progress
JENKINS	i-0ed01740175cc3347	t2.micro	us-east-2c	stopped	2/2
UBUNTU	i-0f881868621020abe	t2.micro	us-east-2c	running	2/2

Instance: i-03f3d13c175cc3344 (Windows Server) Public DNS: ec2-18-216-136-207.us-east-2.compute.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID	i-03f3d13c175cc3344	Public DNS (IPv4)	ec2-18-216-136-207.us-east-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	18.216.136.207
Instance type	t2.micro	IPv6 IPs	-
Elastic IPs		Private DNS	ip-172-31-46-238.us-east-2.compute.internal
Availability zone	us-east-2c	Private IPs	172.31.46.238
Security groups	SATISH-DEVOPS . view	Secondary private IPs	

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Card

Launch Instance Connect Actions

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Instance State

running

stopped

running

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sts

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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 ec2-18-216-136-207.us-east-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

Availability Zone	us-east-2c	Private IPs	172.31.46.238
Security groups	SATISH-DEVOPS . view	Secondary private IPs	

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Connect To Your Instance > Get Password

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

Key Name SATISH_DEVOPS.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 SATISH_DEVOPS.pem

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

```
-----BEGIN RSA PRIVATE KEY-----  
MIIEogIBAAKCAQEAj5M5z483WB9G4fVvILKKeo3XFxXcFvQ4VVigmtDsS20U6WeL9aeeMKRCguGS  
D0O6ob2vR2TXjX/XGb8T4g2/+RGnABmTMpLxgnLAcupW+TbyLFZiQIE8tiZ/Z65rP/wTwZlbybrX  
/jo1kn1+T+zJgjTfjEgvlycHT8Kzd9P8akz5G2qOLN8VC6Bgklgh+OuSnt28vpMesr3IXNrhOJ5v  
9nrAaUhPi2ZjZFsjHN8XLijvSWIgRICHLLciVTO6L/jtRae/cJko8P77ILLKvVu9FH4cth/5bE3  
1bBr9Aq2Cx2TGGuK9SeNWL2+jeD/ZWlc3JS2HgNFuKAZ5nlc/PkPWIDAQABoIBACORarCTOCiv+  
-----END RSA PRIVATE KEY-----
```

Decrypt Password

Back Close

Security groups SATISH-DEVOPS . view Secondary private IPs

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aws Services Resource Groups Actions

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Instance State running stopped running

Public DNS ec2-18-216-136-207.us-east-2.compute.amazonaws.com

User name Administrator

Password JU5NT!@S2R

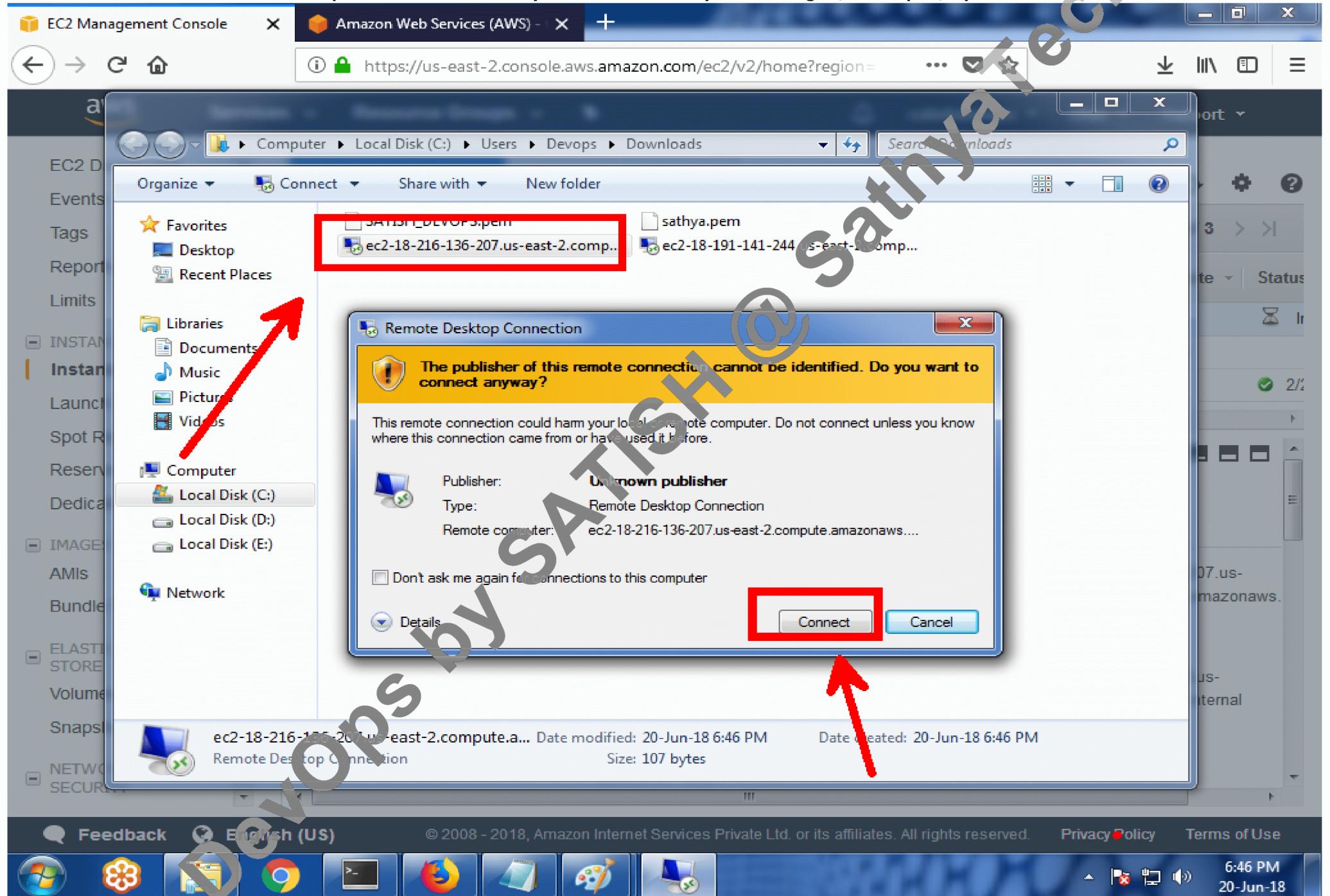
If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

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

Close

Availability zone	us-east-2c	Private IPs	172.31.46.238
Security groups	SATISH-DEVOPS . view	Secondary private IPs	

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Launch Instance Connect Actions

Windows Security

Enter your credentials These credentials will be used to connect to ec2-18-216-136-207.us-east-2.compute.amazonaws.com.

You can connect to your instance by downloading and running a Windows connection tool, or by connecting directly from the AWS Management Console. When prompted for credentials, enter the same credentials you used to launch the instance. If you've joined your instance, you can skip this step. If you need any help, see the documentation.

GIGABYTE Administrator Use another account

Remember my credentials Caps Lock is on

OK Cancel Close

Availability zone us-east-2c Private IPs 172.31.46.238

Security groups SATISH- DEVOPS . view Secondary private IPs

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The screenshot shows the AWS EC2 Management Console interface. A modal window titled "Windows Security" is open, prompting for "Administrator" credentials. The background displays a list of three instances, with the first one being "running". The bottom of the screen features a toolbar with various icons and navigation links.

