



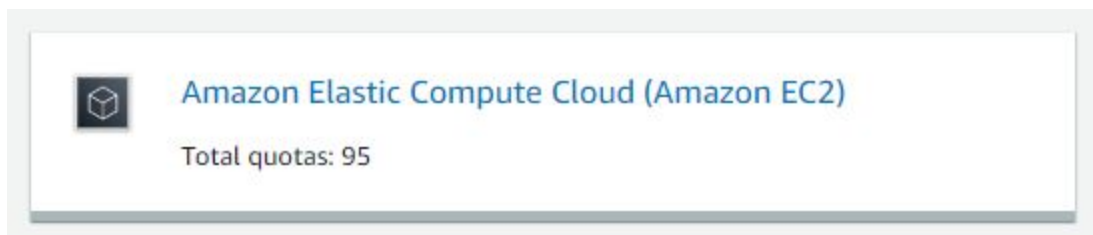
Jaxon AWS Marketplace Instance Setup Guide

Creating an EC2 Instance from the Jaxon AMI

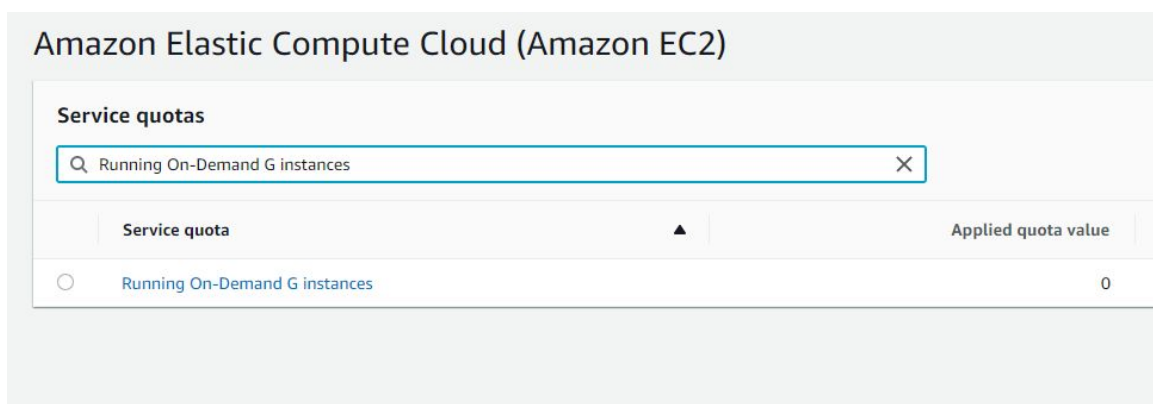
Required EC2 Instance Type

The Jaxon AMI is built on top of a standard Ubuntu 18.04 AMI and requires a g3.4xlarge instance type.

You will need a minimum of 16 vCPU cores available on a G instance type in order to run a Jaxon instance. The default core count for G instances in AWS is 0. To request additional cores, open the [AWS Service Quotas console](#) (sign in if needed) and select the Amazon Elastic Compute Cloud (Amazon EC2) card:

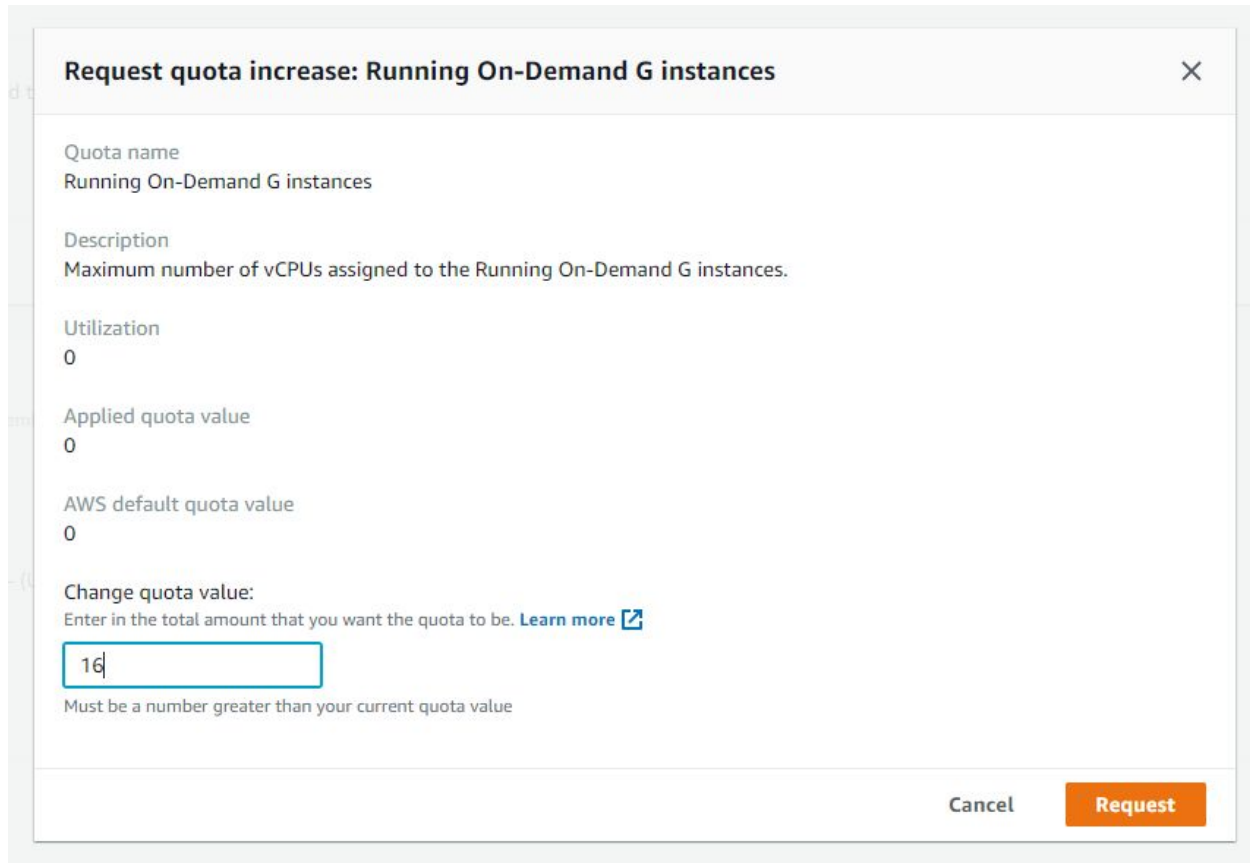


Search for and select Running On-Demand G instances:





From there, click on the **Request quota increase** button in the upper right-hand side, change quota value to 16 in the popup form, and click **Request**:



The screenshot shows a modal window titled "Request quota increase: Running On-Demand G instances". It contains the following information:

- Quota name:** Running On-Demand G instances
- Description:** Maximum number of vCPUs assigned to the Running On-Demand G instances.
- Utilization:** 0
- Applied quota value:** 0
- AWS default quota value:** 0
- Change quota value:** Enter in the total amount that you want the quota to be. [Learn more](#)
- Input field:** A text box containing the number "16".
- Validation text:** "Must be a number greater than your current quota value"
- Buttons:** "Cancel" and "Request" (highlighted in orange).

It may take several hours to a few days for AWS to approve the G instance quota request. However, this instance type is required to launch a Jaxon instance.

Launching Jaxon from Amazon Marketplace

1. Choose AMI

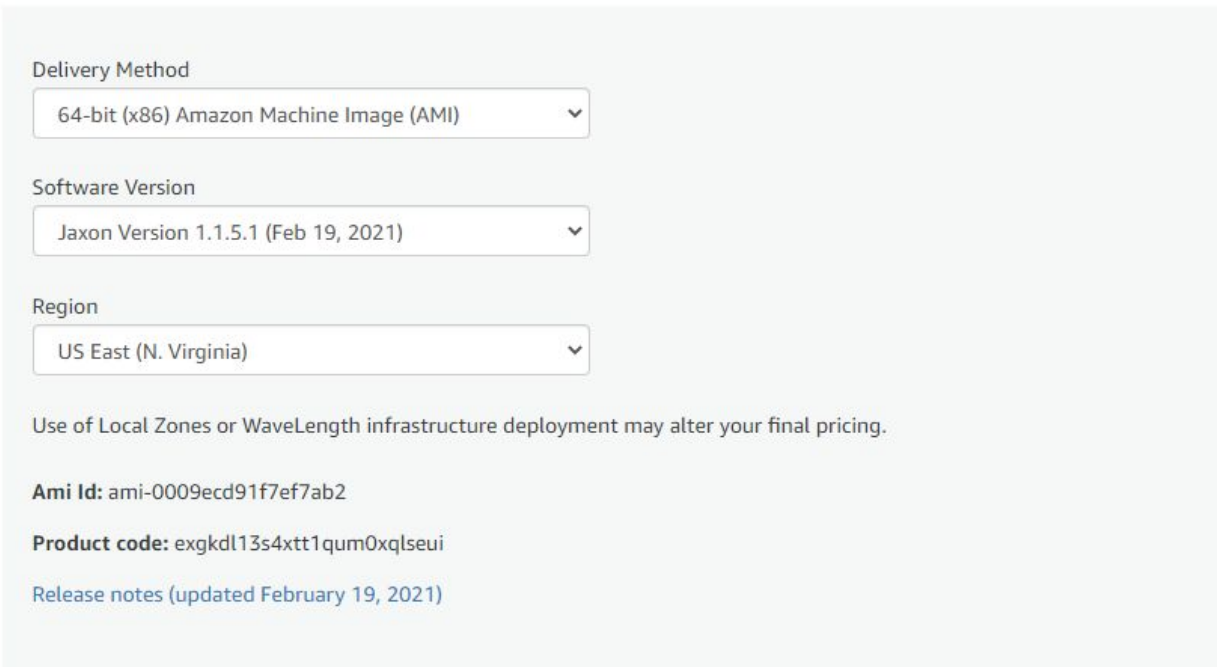
Subscribe to Jaxon at:

https://aws.amazon.com/marketplace/pp/prodview-lmq6w76zptdk?ref_=unifiedsearch

Subscription may take a few minutes to complete.



Once subscribed, click 'Continue to Configuration' to configure the instance per the following (these settings should be the default):



Delivery Method
64-bit (x86) Amazon Machine Image (AMI) ▼

Software Version
Jaxon Version 1.1.5.1 (Feb 19, 2021) ▼

Region
US East (N. Virginia) ▼

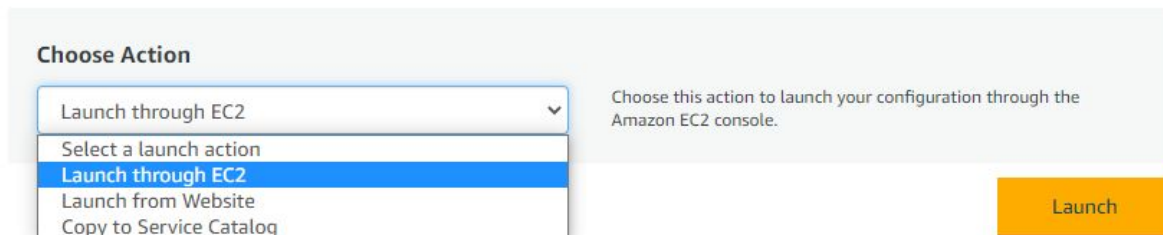
Use of Local Zones or WaveLength infrastructure deployment may alter your final pricing.

Ami Id: ami-0009ecd91f7ef7ab2

Product code: exgkdl13s4xtt1qum0xqlseui

[Release notes \(updated February 19, 2021\)](#)

Then click 'Continue to Launch'. Under 'Choose Action', select 'Launch through EC2' then select 'Launch':



Choose Action

Launch through EC2 ▼

Select a launch action

Launch through EC2

Launch from Website

Copy to Service Catalog

Choose this action to launch your configuration through the Amazon EC2 console.

Launch

After launching, you will be taken to the next step: 'Choose Instance Type'.

2. Choose Instance Type

The default instance type for Jaxon is g3.4xlarge (- ECUs, 16 vCPUs, 2.7 GHz, -, 122 GiB memory, EBS only). This selection will auto-populate and you should not have to make any adjustments.



Click 'Next: Configure Instance Details' to continue.

3. Configure Instance Details

Default settings will auto-populate for this step as well, and you should not need to make any adjustments.

Click 'Next: Add Storage' to continue.

4. Add Storage

The default storage amount is 40 GiB. For best performance, change to 256 GiB or more: \

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ
Root	/dev/sda1	snap-00677d1953ab1f37f	256	General Purpose SSD (gp2) ▼

Click 'Next: Add Tags' to continue.

5. Add Tags

Select 'Add Tag'

Key	(128 characters maximum)	Value	(256 characters maximum)
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This resource

Choose the Add tag button
Make sure your IAM policy

Add Tag (Up to 50 tags maximum)

Input 'Name' in the Key field and '*your name* - jaxon' in the Value field:

Key (128 characters maximum)	Value (256 characters maximum)	Instances <i>i</i>
Name	demo-jaxon	☒
<input type="button" value="Add another tag"/> (Up to 50 tags maximum)		

Click 'Next: Configure Security Group' to continue

6. Configure Security Group

Default settings for the security group include the following:

Assign a security group: ☒ Create a **new** security group
☐ Select an **existing** security group

Security group name: Jaxon-Jaxon Version 1-1-5-1-AutogenByAWSMP-

Description: This security group was generated by AWS Marketplace and is based on recomm

Type <i>i</i>	Protocol <i>i</i>	Port Range <i>i</i>
HTTP	TCP	80

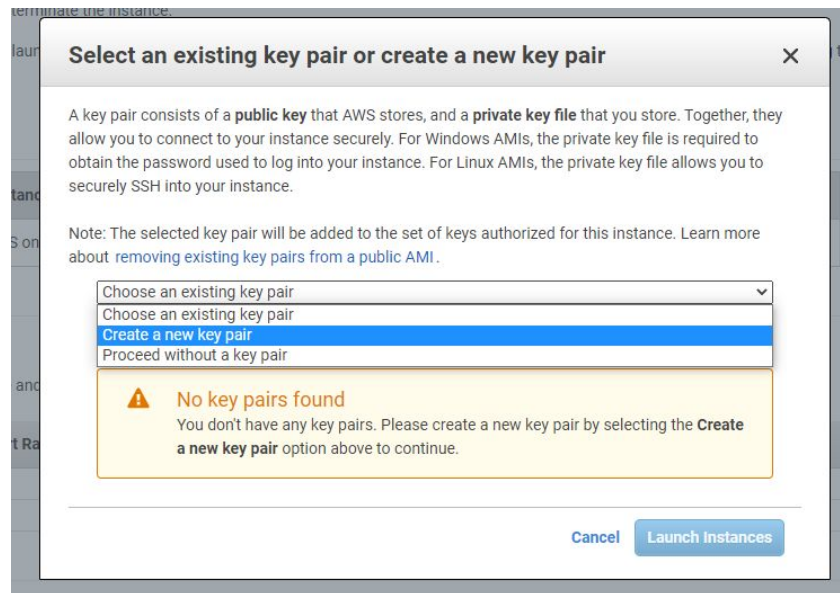
At this point, you will see an error message indicating that port 22 must be open. You will need to add an additional rule to allow for port 22 to be open. To do this, select 'Add Rule'. In the new rule, set Type to Custom TCP Rule, change the Port Range to 22, and set the Source as 0.0.0.0/0 (or you may choose to select My IP from the dropdown):

Type <i>i</i>	Protocol <i>i</i>	Port Range <i>i</i>	Source <i>i</i>
HTTP	TCP	80	Custom 0.0.0.0/0
Custom TCP F	TCP	22	Custom 0.0.0.0/0

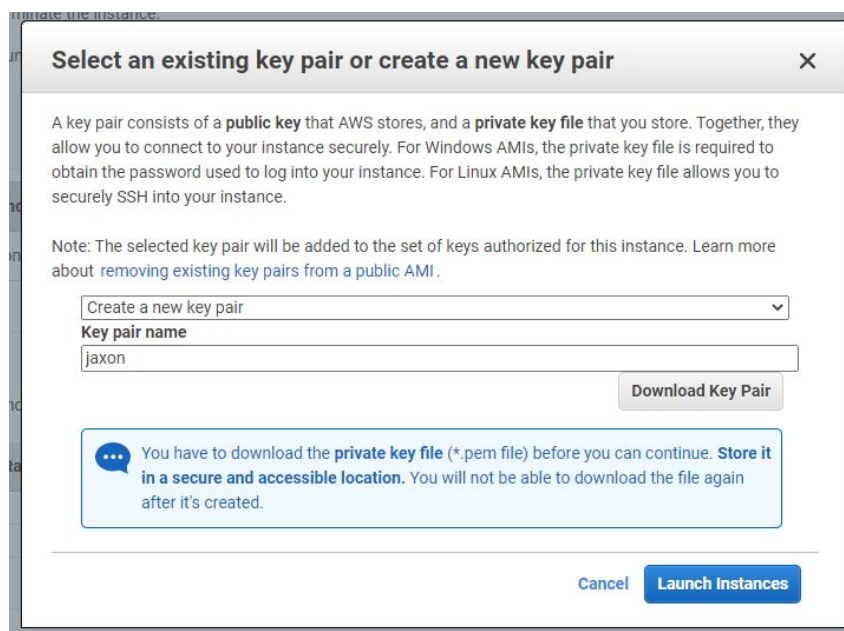
Click 'Review and Launch' once this step is complete and then select 'Launch' to launch the Jaxon instance.

7. Select an existing key pair or create a new key pair

After clicking 'Launch', you will be asked to either select an existing key pair or create a new key pair. To create a new key pair, select 'Create a new key pair' from the dropdown:



Give the new key pair a name (e.g. 'jaxon') and select 'Download Key Pair':





A .pem file will download. Store this for safe keeping.

Once the download is complete, click 'Launch Instances'.

AWS may provide an error message saying that your region needs to be validated. This is normal and may take several minutes to complete. You will receive an email once your region has been verified.

Note: If you do not have sufficient quota for G instances, Jaxon will not be able to launch. See Required EC2 Instance Type section at the beginning of this document for details.

Password Retrieval

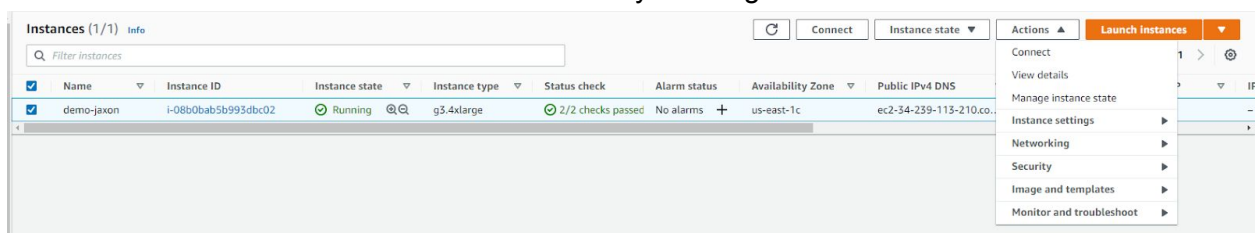
The steps outlined below detail how to retrieve a Jaxon username and password after the EC2 instance has been created. These are required to login to the newly-created Jaxon service.

The username & password are available from the system log that can be viewed for each running instance:

1. From the EC2 Console, select '**Instances**'
2. From '**Running**', select the newly-created Jaxon instance by clicking on the check the box on the left-hand side next to the instance:

☒	Name	Instance ID	Instance state	Instance type	Status check
☒	demo-jaxon	i-08b0bab5b993dbc02	✔ Running	g3.4xlarge	✔ 2/2 checks passed

3. From '**Actions**', select the following:
 - a. Monitor and troubleshoot → Get system log.





The instance log is displayed on the browser. Scroll up (or CTRL/CMD + F 'password') to find the following:

User 'jaxon' password: [.....]

```
[0:32m OK [0m] Started Snap Daemon.
[0:32m OK [0m] Started Docker Application Container Engine.
[0:32m OK [0m] Reached target Multi-User System.
[0:32m OK [0m] Reached target Graphical Interface.
Starting Update UTMP about System Runlevel Changes...
Starting Execute cloud user/final scripts...
[0:32m OK [0m] Started Update UTMP about System Runlevel Changes.
[ 82.931395] cloud-init[2326]: <13>Mar 15 14:48:46 jxn_per_once.sh: User 'jaxon' password : Yg36PJ4l7yc
[ 87.788160] cloud-init[2326]: <13>Mar 15 14:48:51 jxn_per_once.sh: [Service]
[ 87.791389] cloud-init[2326]: <13>Mar 15 14:48:51 jxn_per_once.sh: ExecStart=
[ 87.791920] cloud-init[2326]: <13>Mar 15 14:48:51 jxn_per_once.sh: ExecStart=/usr/bin/dockerd -H fd://
Stopping Docker Application Container Engine...
[0:32m OK [0m] Stopped Docker Application Container Engine.
Starting Docker Application Container Engine...
```

Save the username and password in a safe place for future use.

Connecting to the Jaxon Service

On the AWS Instance dashboard, click the Jaxon Instance ID hyperlink:

☐	Name	Instance ID	Instance state	Instance type	Status check
☐	demo-jaxon	i-08b0bab5b993dbc02	Running	g3.4xlarge	2/2 check

Select 'Connect' in the upper right corner of the Instance summary box:

Instance summary for i-08b0bab5b993dbc02 (demo-jaxon) Info

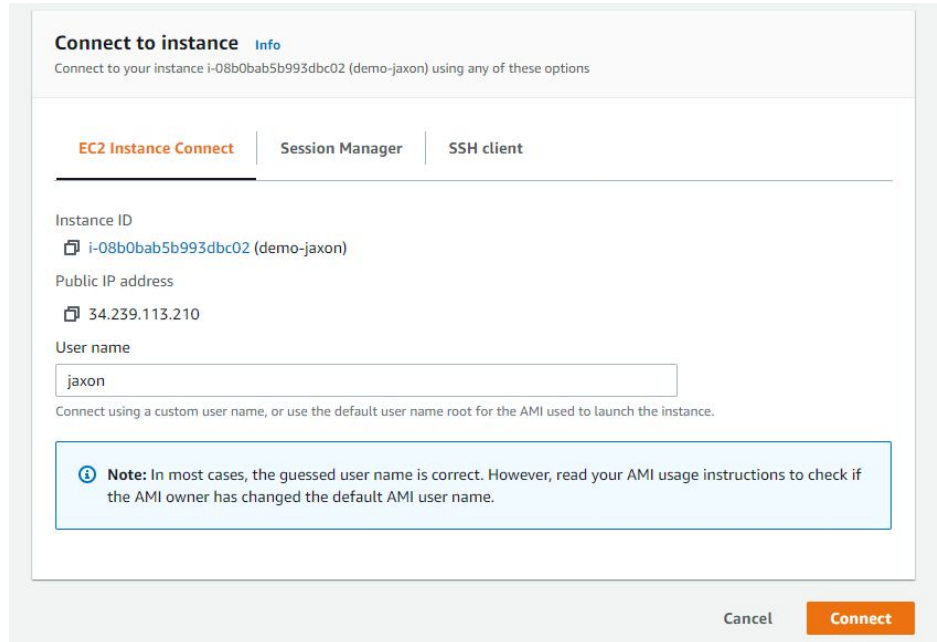
Updated less than a minute ago

Refresh
Connect
Instance state

<p>Instance ID</p> <p>i-08b0bab5b993dbc02 (demo-jaxon)</p> <p>Instance state</p> <p>Running</p> <p>Instance type</p> <p>g3.4xlarge</p> <p>AWS Compute Optimizer finding</p> <p>Opt-in to AWS Compute Optimizer for recommendations. Learn more</p>	<p>Public IPv4 address</p> <p>34.239.113.210 open address</p> <p>Public IPv4 DNS</p> <p>ec2-34-239-113-210.compute-1.amazonaws.com open address</p> <p>Elastic IP addresses</p> <p>–</p> <p>IAM Role</p> <p>–</p>	<p>Private IPv4 addresses</p> <p>172.31.88.12</p> <p>Private IPv4 DNS</p> <p>ip-172-31-88-12.ec2.internal</p> <p>VPC ID</p> <p>vpc-1a14a367</p> <p>Subnet ID</p> <p>subnet-d984e5f8</p>
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Copy the Public IP address and paste it into your browser's URL:



Connect to instance [Info](#)

Connect to your instance i-08b0bab5b993dbc02 (demo-jaxon) using any of these options

EC2 Instance Connect | Session Manager | SSH client

Instance ID
i-08b0bab5b993dbc02 (demo-jaxon)

Public IP address
34.239.113.210

User name

Connect using a custom user name, or use the default user name root for the AMI used to launch the instance.

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.

[Cancel](#) [Connect](#)

Once a successful connection is established, login using the username and password retrieved earlier.

When logged in, you will see the following page:

