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using Amazon EC2

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Launch a Linux Virtual Machine

Amazon Elastic Compute Cloud (EC2) is the Amazon Web Service you use to create and run virtual machines in the cloud (we call these virtual machines 'instances'). This step-by-step guide will help you successfully launch a Linux virtual machine on Amazon EC2 within our AWS Free Tier.

Step 1: Launch an Amazon EC2 Instance

a. Click here to open the Amazon EC2 console and then click **Launch Instance** to create and configure your virtual machine.

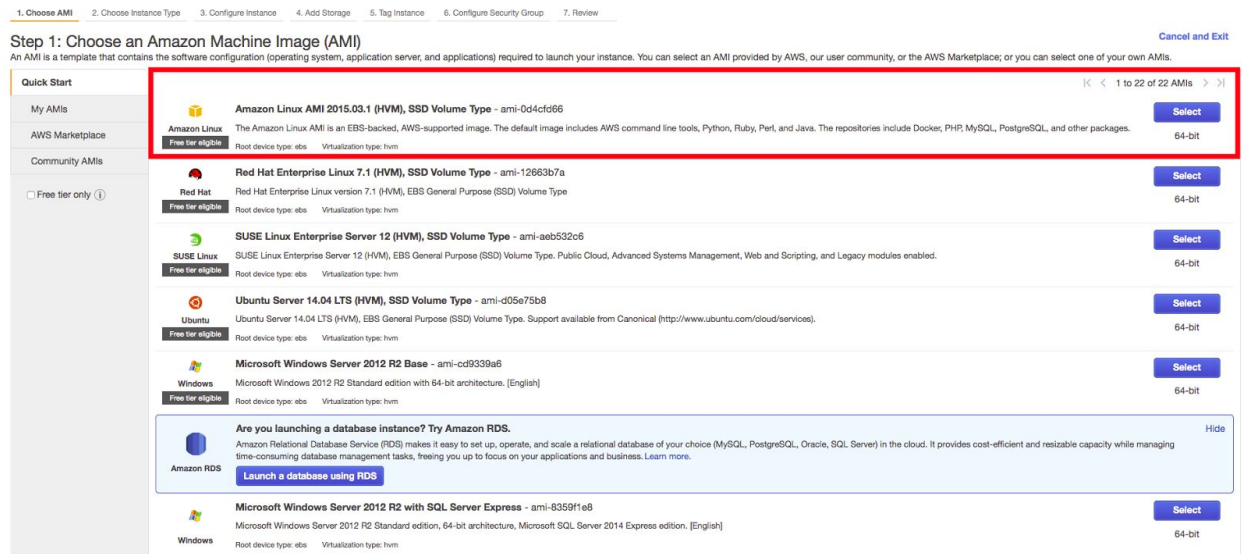
The screenshot shows the Amazon EC2 console interface. On the left is a navigation sidebar with categories like EC2 Dashboard, INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, LOAD BALANCING, and AUTO SCALING. The main content area is titled 'Resources' and shows a summary of EC2 resources in the US East (N. Virginia) region: 0 Running Instances, 0 Elastic IPs, 0 Volumes, 0 Snapshots, 0 Key Pairs, 0 Load Balancers, 0 Placement Groups, and 1 Security Groups. Below this is a 'Create Instance' section with a red box highlighting the 'Launch Instance' button. The 'Service Health' section shows that the US East (N. Virginia) service is operating normally across all availability zones (us-east-1a, us-east-1b, us-east-1c, us-east-1e). A 'Scheduled Events' section shows no events for the US East (N. Virginia) region.

Step 2: Configure your Instance

You are now in the EC2 Launch Instance Wizard, which will help you configure and launch your instance.

a. With Amazon EC2, you can specify the software and specifications of the instance you want to use. In this screen, you are shown options to choose an Amazon Machine Image (AMI), which is a template that contains the software configuration (e.g. an operating system, an application server, and applications). From an AMI, you launch an instance, which is a copy of the AMI running as a virtual server in the cloud.

For this tutorial, find *Amazon Linux AMI* and click **Select**



b. You will now choose an instance type. Instance types comprise of varying combinations of CPU, memory, storage, and networking capacity so you can choose the appropriate mix for your applications. For more information, see [Amazon EC2 Instance Types](#).

The default option of *t2.micro* should already be checked. This instance type is covered within the Free Tier and offers enough compute capacity to tackle simple workloads. Click Review and Launch at the bottom of the page.

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 checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	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
<input type="checkbox"/>	General purpose	m3.xlarge	4	15	2 x 40 (SSD)	Yes	High
<input type="checkbox"/>	General purpose	m3.2xlarge	8	30	2 x 80 (SSD)	Yes	High

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

c. You can review the configuration, storage, tagging, and security settings that have been selected for your instance. While you have the option to customize these settings, we recommend accepting the default values for this tutorial. Click Launch at the bottom of the page.


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](#)

 **Amazon Linux AMI 2015.03.1 (HVM), SSD Volume Type - ami-0d4cfd66**
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
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	Variable	1	1	EBS only	-	Low to Moderate

Security Groups [Edit security groups](#)

Security group name: launch-wizard-1
Description: launch-wizard-1 created 2015-09-11T13:35:57.265-07:00

Type	Protocol	Port Range	Source
SSH	TCP	22	0.0.0.0/0

Instance Details [Edit instance details](#)

Storage [Edit storage](#)

Tags [Edit tags](#)

[Cancel](#) [Previous](#) [Launch](#)

d. On the next screen you will be asked to choose an existing key pair or create a new key pair. A key pair is used to log into your instance (just like your house key is used to enter your home). Select Create a new key pair and give it the name MyKeyPair. Next click the Download Key Pair button.

Be sure to save the key pair in a safe location on your computer. If you don't remember where you store your SSH private key (the file you are downloading), you won't be able to connect to your virtual machine.

Windows users: We recommend saving your key pair in your user directory in a sub-directory called `.ssh` (ex. `C:\user\{yourusername}\.ssh\MyKeyPair.pem`).

Note: You can't use Windows Explorer to create a folder with a name that begins with a period unless you also end the folder name with a period. After you enter the name (`.ssh`), the final period is removed automatically.

Mac/Linux users: We recommend saving your key pair in the `.ssh` sub-directory from your home directory (ex. `~/.ssh/MyKeyPair.pem`).

Note: On Mac, the key pair is downloaded to your Downloads directory by default. To move the key pair into the `.ssh` sub-directory, enter the following command in a terminal window: `mv ~/Downloads/MyKeyPair.pem ~/.ssh/MyKeyPair.pem`

After you have stored your key pair, click **Launch Instance** to start your Linux instance.

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

MyKeyPair

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

Step 3: Connect to your Instance

After launching your instance, it's time to connect to it.

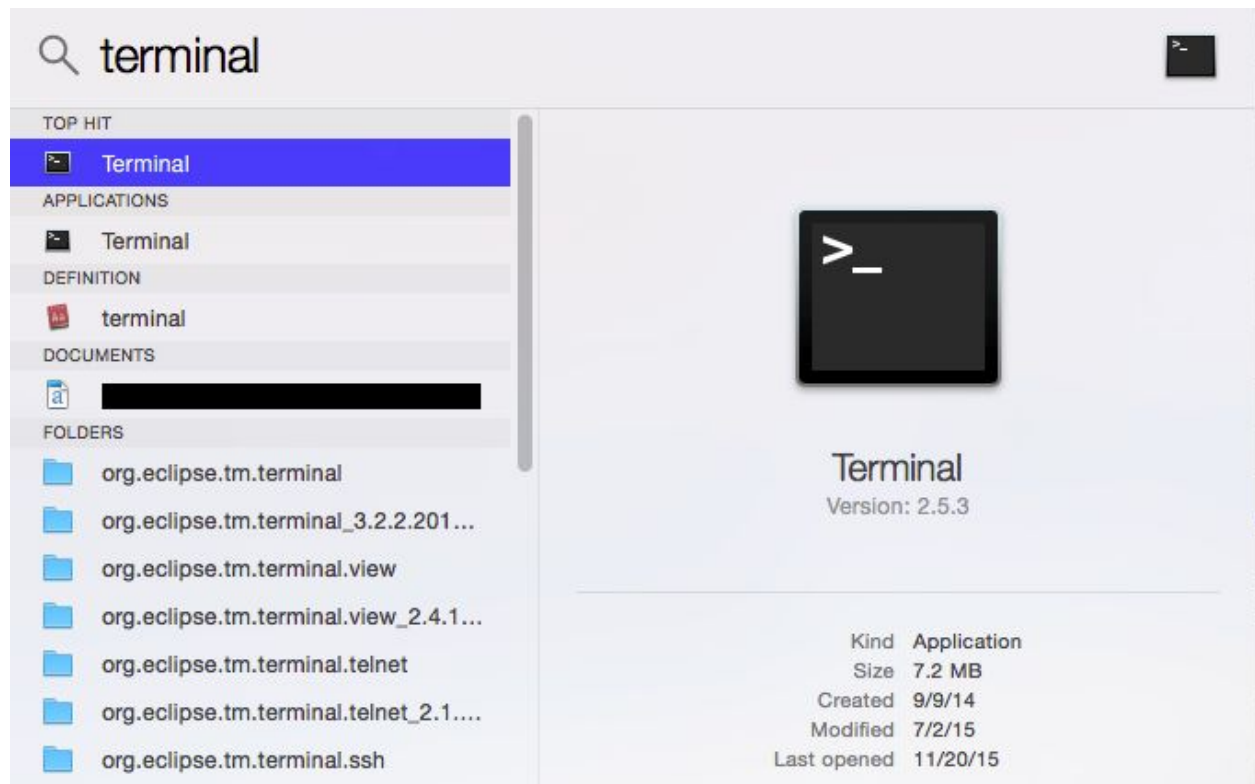
Windows users: Select Windows below to see instructions for installing Git Bash.

Mac/Linux user: Select Mac / Linux below to see instructions for opening a terminal window.

Your Mac or Linux computer most likely includes an SSH client by default. You can check for an SSH client by typing `ssh` at the command line. If your computer doesn't recognize the command, the OpenSSH project provides a free implementation of the full suite of SSH tools that you can download.

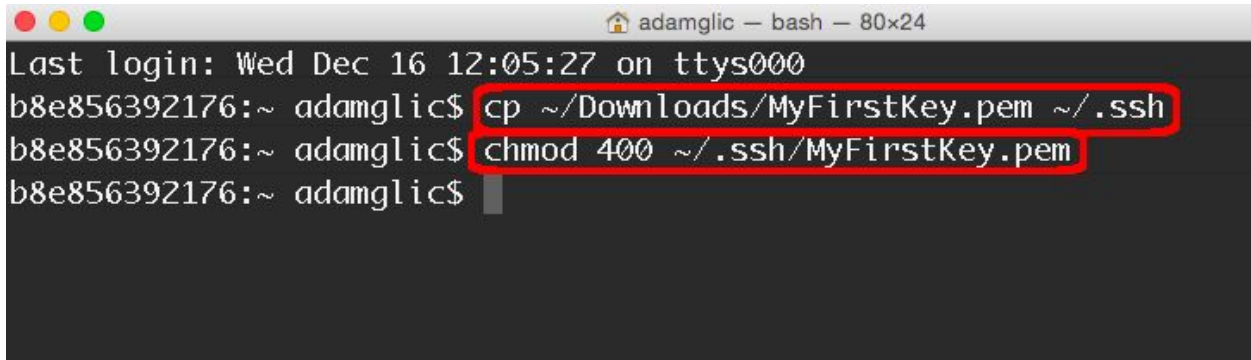
a. Mac users: Open a terminal window by pressing **Command + Space** and typing **terminal** in the search window. Then press **enter** to open the terminal window.

Linux users: Open a terminal window.



b. Use the `chmod` command to make sure your private key file is not publicly viewable by entering the following command: `chmod 400 ~/.ssh/mykeypair.pem` to restrict permissions to your private SSH key.

Note: You do not need to do this every time you connect to you instance, you only need to set this once per SSH key that you have.

A terminal window titled 'adamglic - bash - 80x24' with a dark background. The prompt is 'b8e856392176:~ adamglic\$'. The first command entered is 'cp ~/Downloads/MyFirstKey.pem ~/.ssh', and the second is 'chmod 400 ~/.ssh/MyFirstKey.pem'. Both commands are highlighted with red rectangular boxes. The terminal shows the output of the first command as 'Last login: Wed Dec 16 12:05:27 on ttys000' and the prompt changes to 'b8e856392176:~ adamglic\$' after the second command.

```
adamglic - bash - 80x24
Last login: Wed Dec 16 12:05:27 on ttys000
b8e856392176:~ adamglic$ cp ~/Downloads/MyFirstKey.pem ~/.ssh
b8e856392176:~ adamglic$ chmod 400 ~/.ssh/MyFirstKey.pem
b8e856392176:~ adamglic$
```

c. Use SSH to connect to your instance. In this case the user name is `ec2-user`, the SSH key is stored in the directory we saved it to in step 2 part d, and the IP address is from step 2 part f. The format is `ssh -i {full path of your .pem file} ec2-user@{instance IP address}`.

Windows users: Enter `ssh -i 'c:\Users\yourusername\.ssh\MyKeyPair.pem' ec2-user@{IP_Address}` (ex. `ssh -i 'c:\Users\adamglic\.ssh\MyKeyPair.pem' ec2-user@52.27.212.125`)

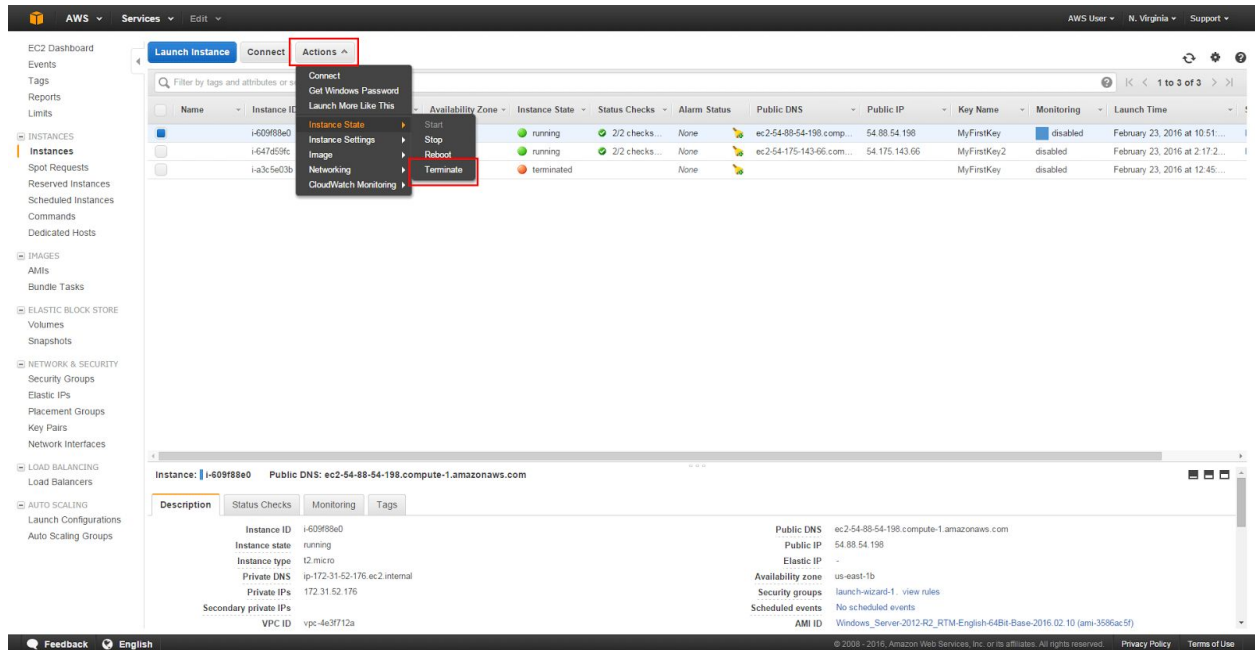
Mac/Linux users: Enter `ssh -i ~/.ssh/MyKeyPair.pem ec2-user@{IP_Address}` (ex. `ssh -i ~/.ssh/MyKeyPair.pem ec2-user@52.27.212.125`)

Note: if you started a Linux instance that isn't Amazon Linux, there may be a different user name that is used. common user names include `ec2-user`, `root`, `ubuntu`, and `fedora`. If you are unsure what the login user name is, check with your AMI provider.

You'll see a response similar to the following:

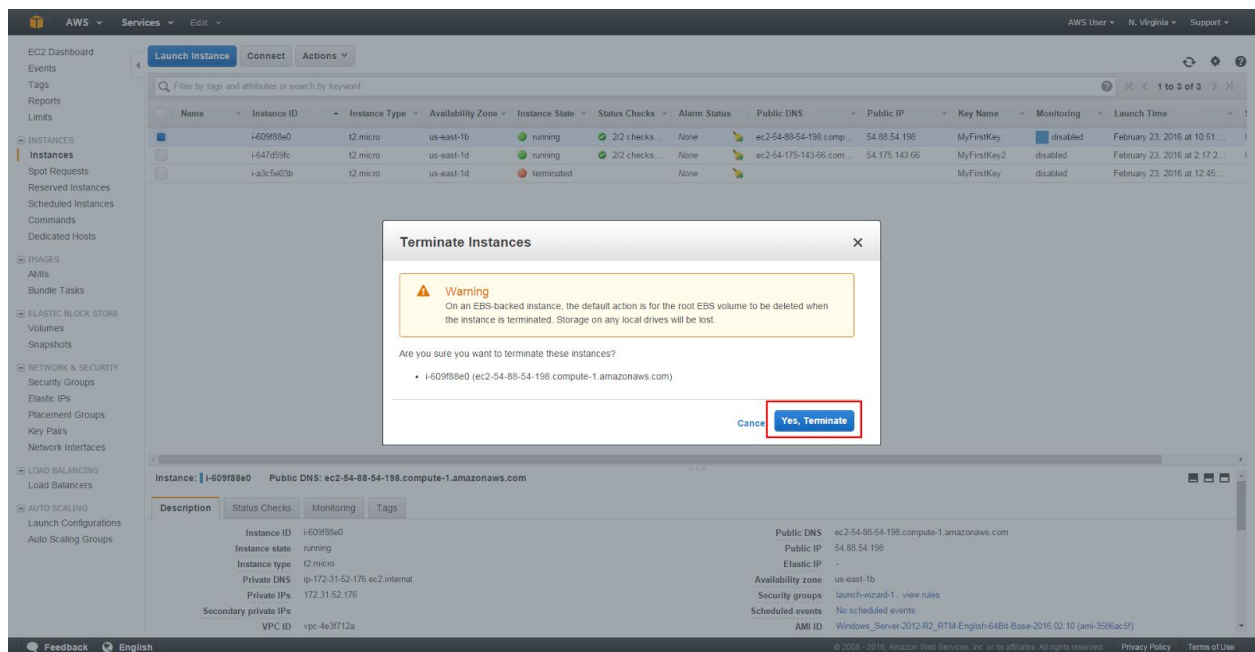
The authenticity of host 'ec2-198-51-100-1.compute-1.amazonaws.com (10.254.142.33)' can't be established. RSA key fingerprint is 1f:51:ae:28:df:63:e9:d8:cf:38:5d:87:2d:7b:b8:ca:9f:f5:b1:6f. Are you sure you want to continue connecting (yes/no)?

Type yes and press enter.



b. You will be asked to confirm your termination - select Yes, Terminate.

Note: This process can take several seconds to complete. Once your instance has been terminated, the Instance State will change to *terminated* on your EC2 Console.



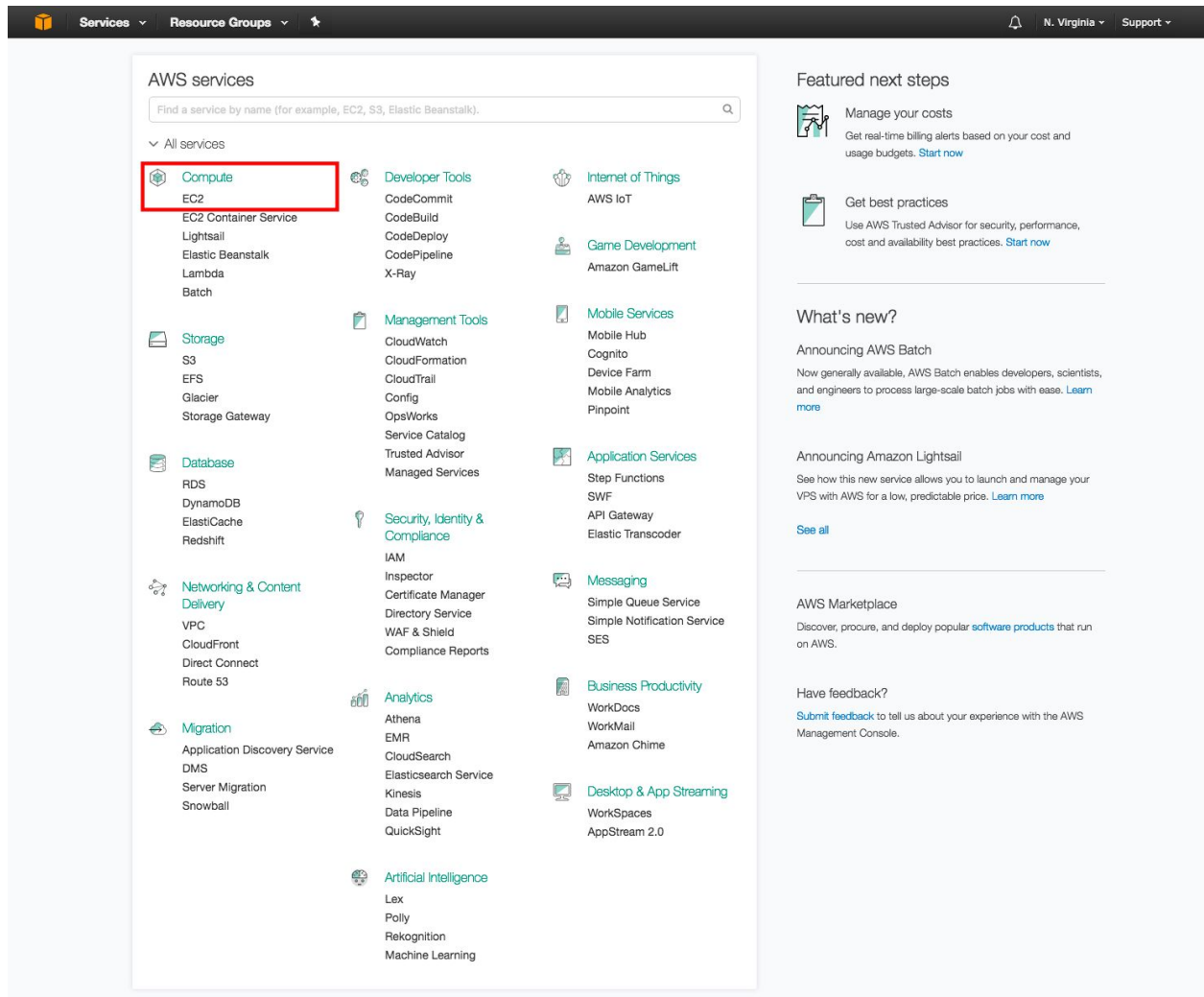
Launch a WordPress Website

This step-by-step guide will help you get a website up and running with WordPress*, installed on an Amazon EC2 virtual machine (also known as an “instance”). You will go through how to configure and launch an EC2 instance, how to get your WordPress username and password, and how to log into your WordPress admin portal. Everything done in this tutorial is free-tier eligible.

***Note:** This guide results in an architecture for a basic WordPress website intended for personal use or learning. This tutorial is not recommended for business-level websites with high scalability needs. For a more advanced tutorial, see the [Build a Wordpress Website Project](#) or [Wordpress: Best Practices on AWS](#).

Did you know? AWS made it even easier to launch a WordPress website. Jumpstart your website with

Open the **AWS Management Console** and you can keep this step-by-step guide open. When the screen loads, enter your user name and password to get started. Then find EC2 under *Compute*, and double click to open the dashboard.



Step 1: Launch an Amazon EC2 Instance

Now you are in the EC2 dashboard, click **Launch Instance** from the dashboard to create and configure your virtual machine.

The screenshot shows the Amazon EC2 console interface. On the left is a navigation menu with categories like EC2 Dashboard, INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, LOAD BALANCING, and AUTO SCALING. The main content area is titled 'Resources' and lists EC2 resources in the US East (N. Virginia) region: 0 Running Instances, 0 Elastic IPs, 0 Volumes, 0 Snapshots, 0 Key Pairs, 0 Load Balancers, 0 Placement Groups, and 1 Security Groups. Below this is a 'Create Instance' section with a blue 'Launch Instance' button highlighted by a red rectangle. To the right of the 'Create Instance' section is the 'Service Health' section, which shows the status of the US East (N. Virginia) region and its availability zones (us-east-1a, us-east-1b, us-east-1c, us-east-1e), all of which are operating normally. There is also a 'Scheduled Events' section showing no events for the US East (N. Virginia) region.

Step 2: Configure your Instance

Now you're in the Amazon EC2 configuration wizard, we will be using an existing **Amazon Machine Image (AMI)** from the **AWS Marketplace** that has **WordPress** already installed. The **AWS Marketplace** provides access to thousands of pre-configured images for common pieces of software.

1. Click on **AWS Marketplace** on the left-hand side, search for **WordPress**, look for **WordPress powered by BitNami**, then click **Select**.

AWS

Services

Edit

AWS User

N. Virginia

Support

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Tag Instance6. Configure Security Group7. 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.

Quick Start

My AMIs

AWS Marketplace

Community AMIs

Categories

All Categories

Software Infrastructure (67)

Developer Tools (10)

Business Software (38)

Operating System

Clear Filter

All Windows

Windows 2008 (1)

Windows 2012 (2)

Windows 2012 R2 (4)

All Linux/Unix

WordPress

WordPress powered by Bitnami

★★★★★ (14) | 4.6-1-r21 on Ubuntu 14.04.3 | Sold by BitRock Inc.

\$0.00/hr for software + AWS usage fees

Linux/Unix, Ubuntu 14.04.3 | 64-bit Amazon Machine Image (AMI) | Updated: 9/6/16

Bitnami WordPress is a pre-configured, ready to run image for running WordPress on Amazon EC2. WordPress is one of the world's most popular web publishing platforms for ...

More info

Select

WordPress powered by Bitnami (PV)

★★★★★ (70) | 4.6-1-r21 on Ubuntu 14.04.3 | Sold by BitRock Inc.

\$0.00/hr for software + AWS usage fees

Linux/Unix, Ubuntu 14.04.3 | 64-bit Amazon Machine Image (AMI) | Updated: 9/6/16

This image is for customers that require legacy paravirtualization support (PV). Bitnami WordPress is a pre-configured, ready to run image for running WordPress on Amazon ...

More info

Select

WordPress Multisite powered by Bitnami

★★★★★ (5) | 4.6-1-r21 on Ubuntu 14.04.3 | Sold by BitRock Inc.

\$0.00/hr for software + AWS usage fees

FeedbackEnglish

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2. You will be presented a detailed pricing page. In this case, the price will be \$0.00 for the software regardless of the size of the instance that you use. Scroll to the bottom and click Continue.

k

Policy

R3 Double Extra Large	\$0.00	\$0.665	\$0.665/hr
R3 Quadruple Extra Large	\$0.00	\$1.33	\$1.33/hr
R3 Eight Extra Large	\$0.00	\$2.66	\$2.66/hr
C4 Large	\$0.00	\$0.105	\$0.105/hr
C4 Extra Large	\$0.00	\$0.209	\$0.209/hr
C4 Double Extra Large	\$0.00	\$0.419	\$0.419/hr
C4 Quadruple Extra Large	\$0.00	\$0.838	\$0.838/hr
C4 Eight Extra Large	\$0.00	\$1.675	\$1.675/hr
G2 Eight Extra Large	\$0.00	\$2.60	\$2.60/hr
D2 Extra Large	\$0.00	\$0.69	\$0.69/hr
D2 Double Extra Large	\$0.00	\$1.38	\$1.38/hr
D2 Quadruple Extra Large	\$0.00	\$2.76	\$2.76/hr
D2 Eight Extra Large	\$0.00	\$5.52	\$5.52/hr
T2 Large	\$0.00	\$0.104	\$0.104/hr
M4 Large	\$0.00	\$0.12	\$0.12/hr
M4 Extra Large	\$0.00	\$0.239	\$0.239/hr
M4 Double Extra Large	\$0.00	\$0.479	\$0.479/hr
M4 Quadruple Extra Large	\$0.00	\$0.958	\$0.958/hr
M4 Ten Extra Large	\$0.00	\$2.394	\$2.394/hr
T2 Nano	\$0.00	\$0.007	\$0.007/hr
X1 32 Extra Large	\$0.00	\$13.338	\$13.338/hr

EBS General Purpose (SSD) volumes

\$0.10 per GB-month of provisioned storage

You will not be charged until you launch this instance.

Cancel

Continue

3. For this tutorial, we will be using a free-tier eligible t2.micro instance. Click on t2.micro in the *Type* column (it should be the first one), then click Next: Configure Instance Details. It may take a few seconds to load.
On the following screens, click Next: Add Storage and then 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 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)

T2 instances are VPC-only. Your T2 instance will launch into your VPC. [Learn more](#) about T2 and VPC.

	Family	Type	vCPUs (1)	Memory (GiB)	Instance Storage (GB) (1)	EBS-Optimized Available (1)	Network Performance (1)
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	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

Cancel Previous **Review and Launch** Next: Configure Instance Details

4. We will set a name for your instance in this step. Enter WordPress in the Value box next to the Name box. Click Review and Launch to continue.

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)
Name	WordPress
Create Tag (Up to 10 tags maximum)	

Cancel Previous **Review and Launch** Next: Configure Security Group

5. You can review your instance configurations, then click Launch when you're ready to start your Amazon EC2 instance running WordPress.

AWS

Services

Edit

AWS User

N. Virginia

Support

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Tag Instance

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, **WordPress powered by Bitnami-4-6-1-r21 on Ubuntu 14-04-3-AutogenByAWSMP-**, 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

WordPress powered by Bitnami

https://bitnami.com

Free tier eligible

Root Device Type: ebs

Virtualization type: hvm

Hourly Software Fees: \$0.00 per hour on t2.micro instance

Software charges will begin once you launch this AMI and continue until you terminate the instance.

By launching this product, you will be subscribed to this software and agree that your use of this software is subject to the pricing terms and the seller's [End User License Agreement](#)

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

Cancel

Previous

Launch

Feedback

English

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Privacy Policy

Terms of Use

6. The next screen deals with key-pairs. Key-pairs are how you can connect to your EC2 instances via a terminal program using Secure Shell (SSH). Select Proceed without a key pair, and check the box acknowledging that you know you need this key to access your EC2 instance.

Click Launch Instances to launch your instance. Be aware that starting the instance up may take a few minutes.

Note: To connect to your instance directly, you will need to create a new key pair. For instructions on creating a key pair and connecting to an instance, see steps 2 d.-2 f. and 3 of the tutorial: Launch a Linux Virtual Machine.

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](#).

Proceed without a key pair

☒ I acknowledge that I will not be able to connect to this instance unless I already know the password built into this AMI.

Cancel

Launch Instances

7. Click **View Instances** on the bottom right of the page (you may need to scroll down to see it). Then select the **WordPress** instance, make sure the **Instance State** says **running**. If Instance State says **launching** then AWS is still preparing your WordPress instance.

Launch Instance
Connect
Actions

Filter by tags and attributes or search by keyword
1 to 2 of 2

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS
	i-389cc29b	t2.micro	us-east-1a	terminated		None	
WordPress	i-98aff13b	t2.micro	us-east-1a	running	Initializing	None	ec2-54-172-168-218.d

8. Once your instance is running, you can now test your WordPress website. Find the **Public IP** for your instance at the bottom of this page.

Launch Instance

Connect

Actions ▾

Filter by tags and attributes or search by keyword

?

<< < 1 to 2 of 2 > >>

Name ▾

Instance ID ▾

Instance Type ▾

Availability Zone ▾

Instance State ▾

Status Checks ▾

Alarm Status

Public DNS

i-389cc29b

t2.micro

us-east-1a

terminated

None

WordPress

i-98aff13b

t2.micro

us-east-1a

running

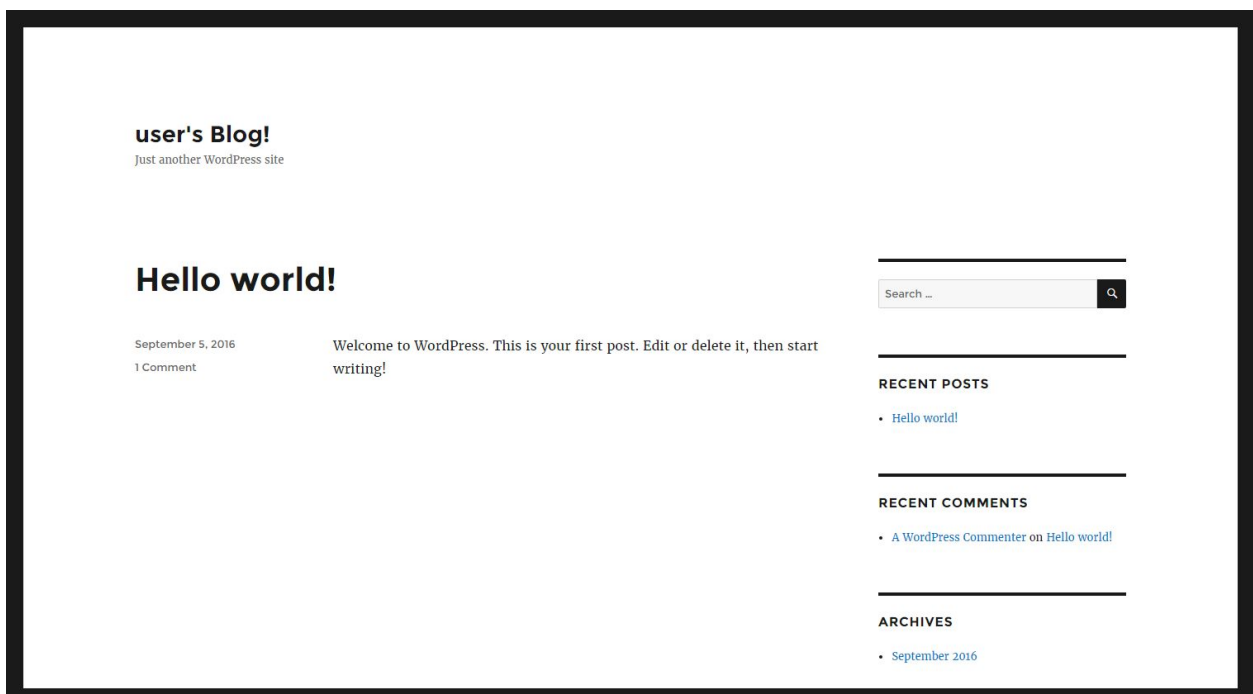
Initializing

None

ec2-54-172-168-218.α

Description	Status Checks	Monitoring	Tags	Usage Instructions
Instance ID	i-98aff13b			
Instance state	running			
Instance type	t2.micro			
Private DNS	ip-172-31-59-184.ec2.internal			
Private IPs	172.31.59.184			
Secondary private IPs				
VPC ID	vpc-3630de52			
Public DNS	ec2-54-172-168-218.compute-1.amazonaws.com			
Public IP	54.172.168.218			
Elastic IP	-			
Availability zone	us-east-1a			
Security groups	WordPress powered by Bitnami -HVM--4-3-0 on Ubuntu 14-04-1-AutogenByAWSMP-. view rules			
Scheduled events	No scheduled events			
AMI ID	bitnami-wordpress-4.3-0-linux-			

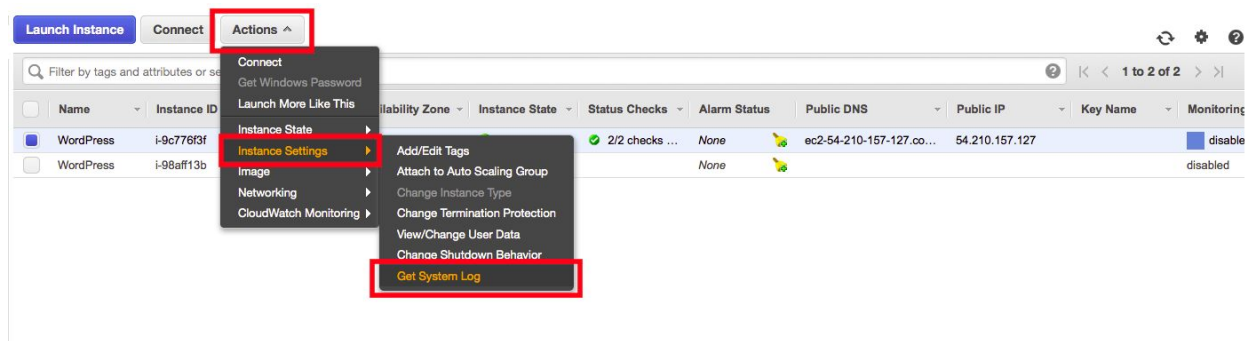
9. Copy the Public IP into a new tab in your web browser, and you should see a *Hello World* blog page appear.



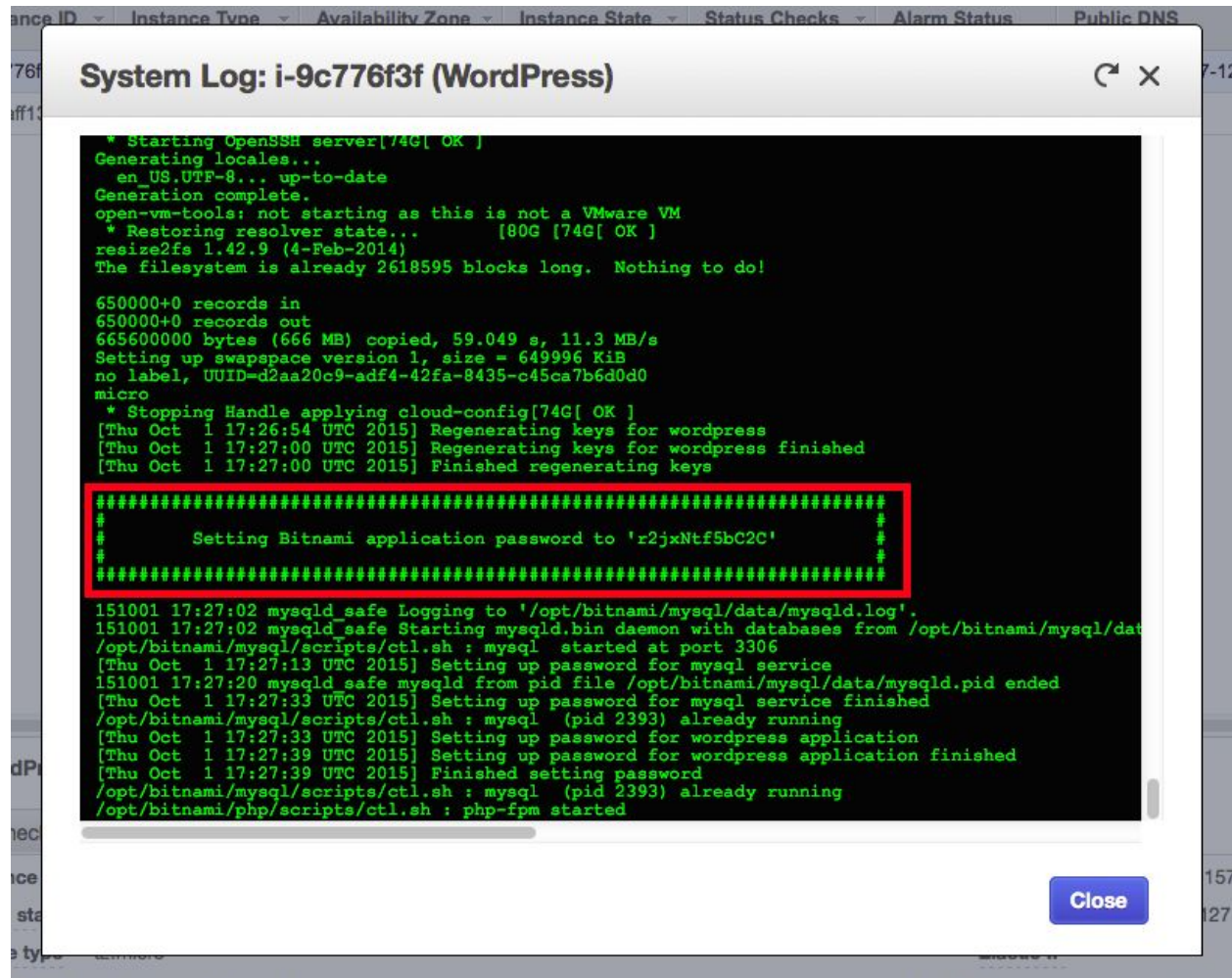
Step 3: Make Changes to Your Website

Now that you have your WordPress site up and running, it's time to log into its administration page so you can customize your site. To find your password, please follow the steps below:

1. Switch back to your EC2 management console in your web browser. Select WordPress instance, and click the Actions button. In the drop down menu, select Instance Setting, and choose Get System Log.



2. In the system log window, scroll through to the bottom to find the *password* that's surrounded by hash marks.



3. Now that you have your password, switch back to the tab that you used to access the WordPress Hello World page. Add `/admin` to the end of the URL so it looks something like `54.192.32.144/admin`. Hit enter.

Enter the Username user and the Password that you read from the log file.



Username

user

Password

.....

☐ Remember Me

Log In

[Lost your password?](#)

[← Back to user's Blog!](#)

Congratulations! You now have your WordPress site up and running. You can now manage, customize, and configure it as you like

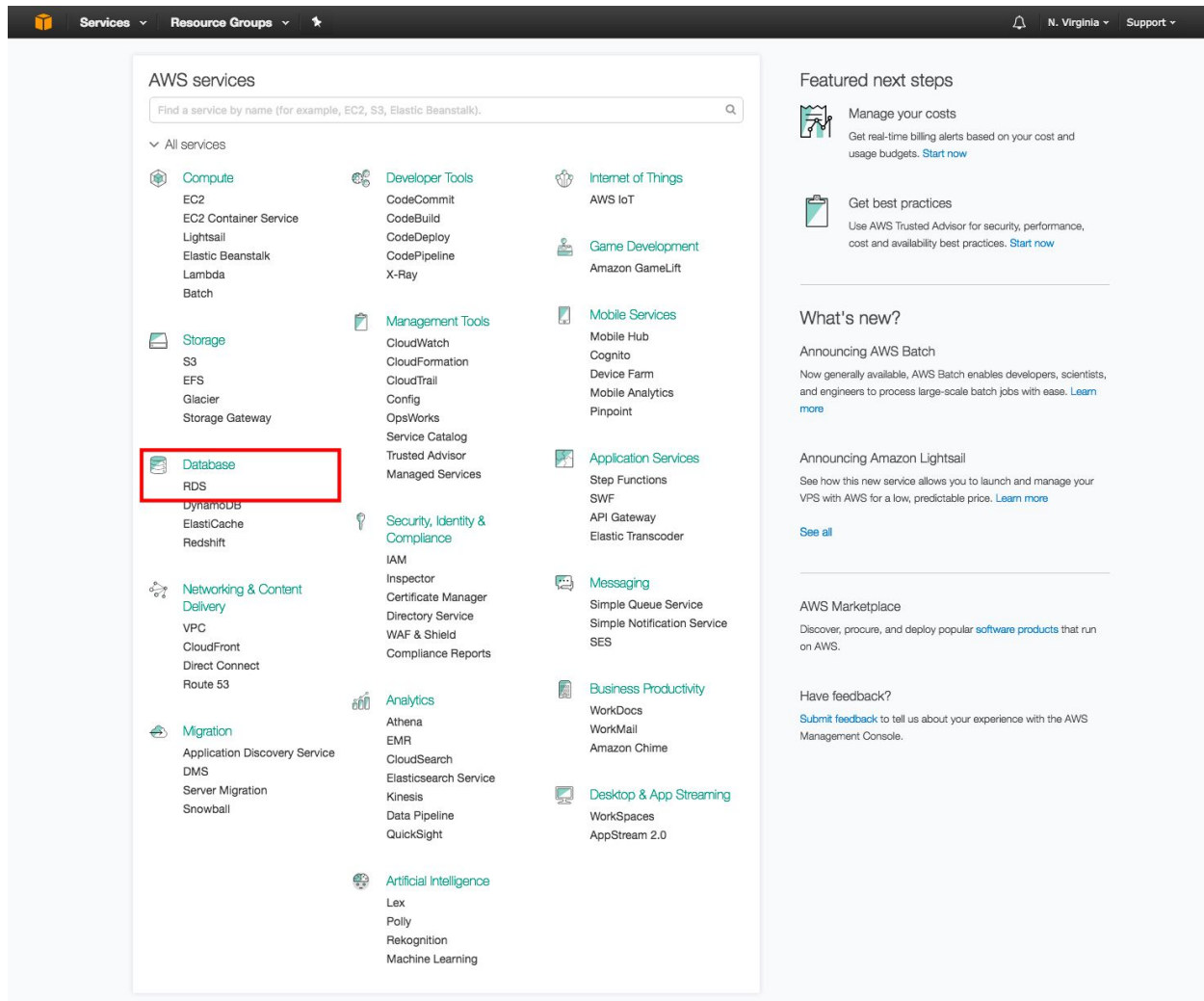
Create and Connect to a MySQL Database

with Amazon RDS or We can use

- [DynamoDB](#)
- [ElastiCache](#)
- [Redshift](#)

In this tutorial, you will learn how to create an environment to run your MySQL database (we call this environment an 'instance'), connect to the database, and delete the DB instance. We will do this using [Amazon Relational Database Service \(Amazon RDS\)](#) and everything done in this tutorial is free-tier eligible.

When you [click here](#), the AWS management console will open in a new browser window, so you can keep this step-by-step guide open. When this screen loads, find RDS under *Database* and click to open the Amazon RDS Console.

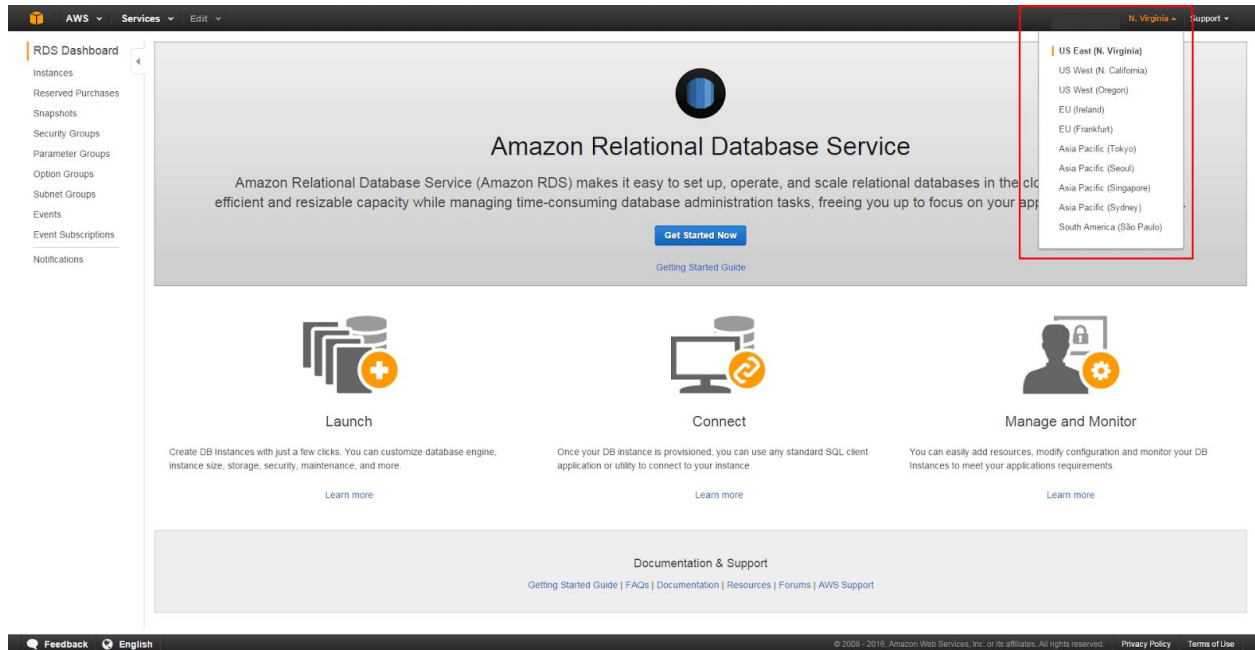


Step 1: Create a MySQL DB Instance

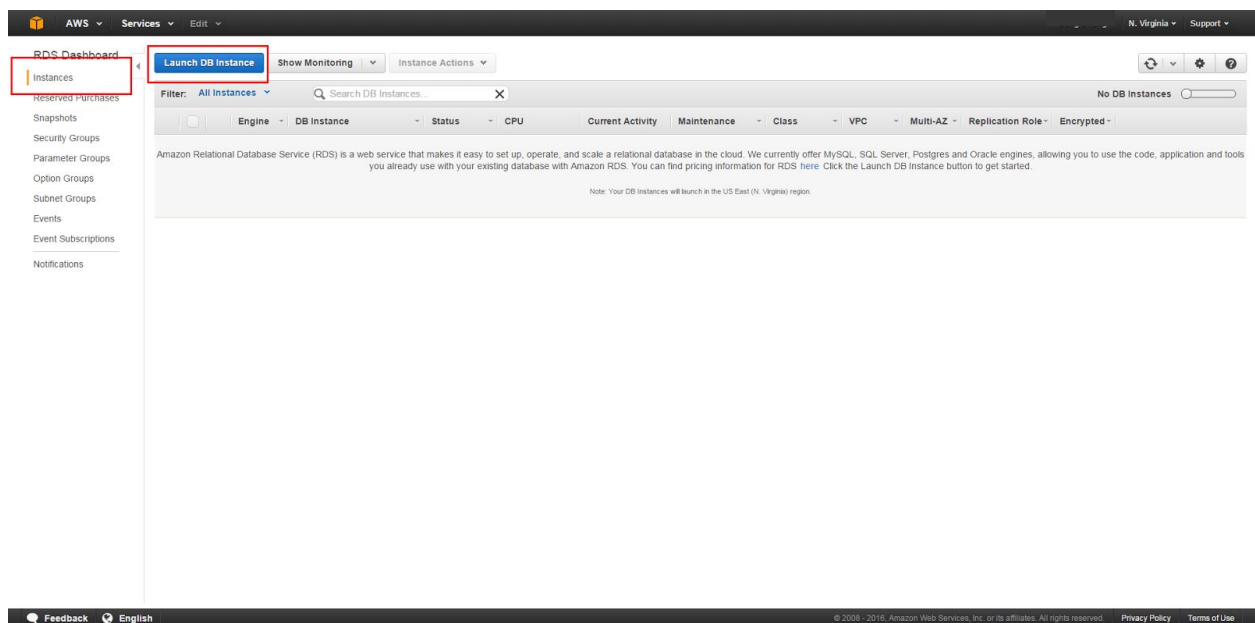
In this step, we will use Amazon RDS to create a MySQL DB Instance with db.t2.micro DB instance class, 5 GB of storage, and automated backups enabled with a retention period of one day. As a reminder, all of this is [free tier](#) eligible.

a. In the top right corner of the Amazon RDS console, select the *Region* in which you want to create the DB instance.

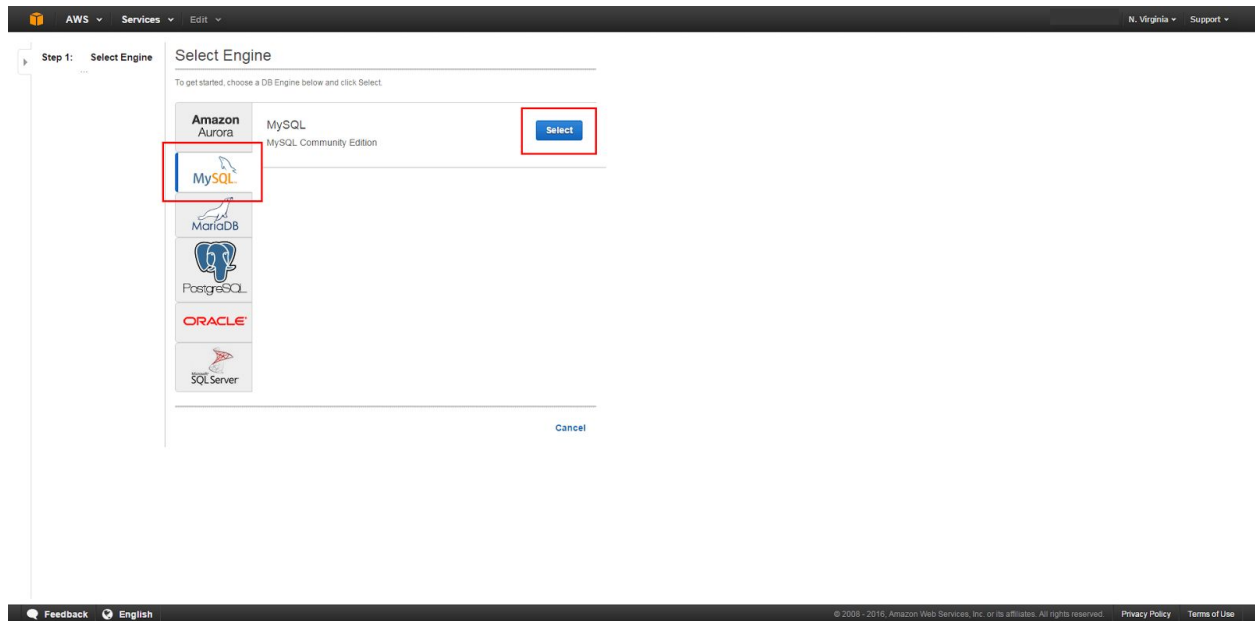
Note: Amazon cloud computing resources are housed in highly available data center facilities in different areas of the world. Each Region contains multiple distinct locations called 'Availability Zones,' or AZs. You have the ability to choose which Region to host your Amazon RDS activity in.



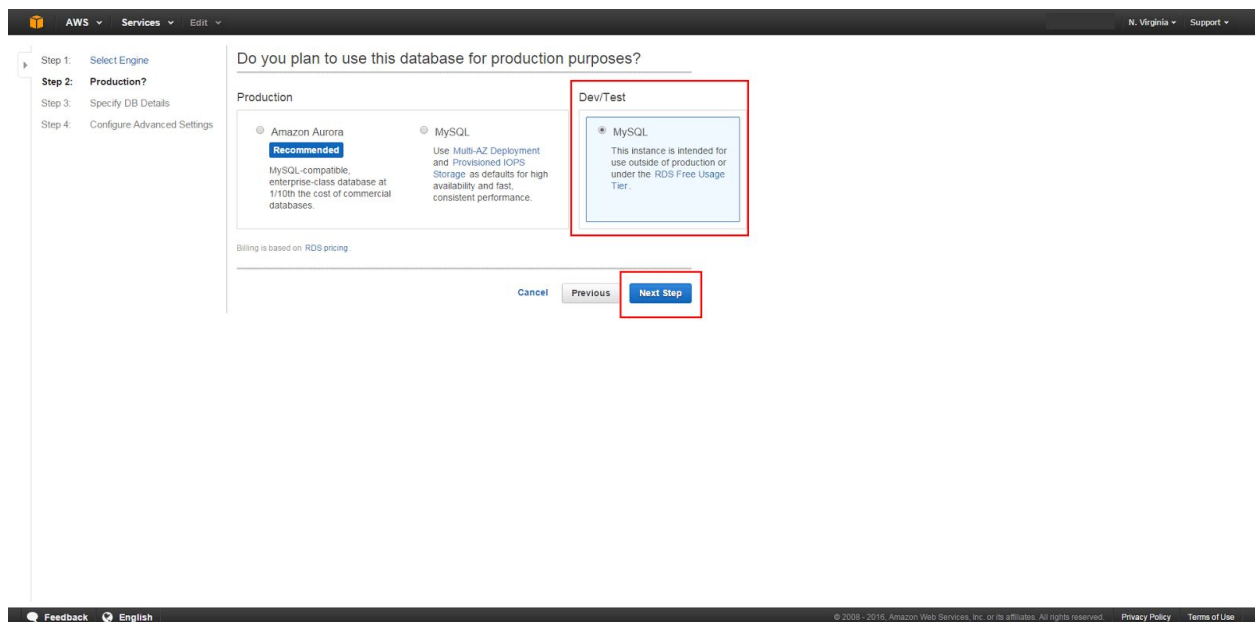
b. In the navigation pane on the left, click Instances. Then click Launch DB Instance.



c. You now have options to select your engine. For this tutorial, click the *MySQL icon* and then click Select.



d. The next screen gives you options to choose your environment. Select the MySQL option under Dev/Test and click Next Step.



e. You will now configure your DB instance. The list below shows the example settings you can use for this tutorial:

Instance Specifications:

- **License Model:** Select the default *general-public-license* to use the general license agreement for MySQL. MySQL has only one license model.

- **DB Engine Version:** Select the default version of MySQL. Note that Amazon RDS supports multiple versions of MySQL in some Regions.
- **DB Instance Class:** Select *db.t2.micro --- 1vCPU, 1 GIB RAM*. This equates to 1 GB memory and 1 vCPU. To see a list of supported instance classes, see [Amazon RDS Product Details](#).
- **Multi-AZ Deployment:** Select *No* to create your DB instance in a single Availability Zone for this tutorial. Using a Multi-AZ Deployment will automatically provision and maintain a synchronous standby replica in a different Availability Zone. Note that you will have to pay for Multi-AZ Deployment. For more information, see [High Availability Deployment](#).
- **Storage Type:** Select *General Purpose (SSD)*. For more information about storage, see [Storage for Amazon RDS](#).
- **Allocated Storage:** Type 5 to allocate 5 GB of storage for your database. You can scale up to a maximum of 6 TB with Amazon RDS for MySQL.

-

Settings:

- **DB Instance Modifier:** Type a name for the DB instance that is unique for your account in the Region you selected. For this tutorial, we will name it *rds-mysql-10minTutorial*.
- **Master Username:** Type a username that you will use to log in to your DB instance. We will use *masterUsername* in this example.
- **Master Password:** Type a password that contains from 8 to 41 printable ASCII characters (excluding /, ", and @) for your master user password.
- **Confirm Password:** Retype your password
- **Allocated Storage:** Type 5 to allocate 5 GB of storage for your database. For more information about storage allocation, see Amazon Relational Database Service Features. (switch ordering, its after storage type)

Click Next Step

AWS

Services

Edit

Step 1: Select Engine

Step 2: Production?

Step 3: Specify DB Details

Step 4: Configure Advanced Settings

Your current selection is eligible for the free tier.

Learn More.

Estimate your monthly costs for the DB Instance using the [RDS Instance Cost Calculator](#).

Specify DB Details

Instance Specifications

DB Engine

mysql

License Mode

general-public-license

DB Engine Version

5.6.27

Review the [Known Issues/Limitations](#) to learn about potential compatibility issues with specific database versions.

DB Instance Class

db.t2.micro — 1 vCPU, 1 GiB RAM

Multi-AZ Deployment

No

Storage Type

General Purpose (SSD)

Allocated Storage

5

GB

Provisioning less than 100 GB of General Purpose (SSD) storage for high throughput workloads could result in higher latencies upon exhaustion of the initial General Purpose (SSD) IO credit balance. [Click here](#) for more details.

Settings

DB Instance Identifier

rds-mysql-10minTutorial

Master Username

masterUsername

Master Password

.....

Confirm Password

.....

Specify a string that defines the password for the master user. Master Password must be at least eight characters long, as in "mypassword".

* Required

Cancel

Previous

Next Step

Feedback

English