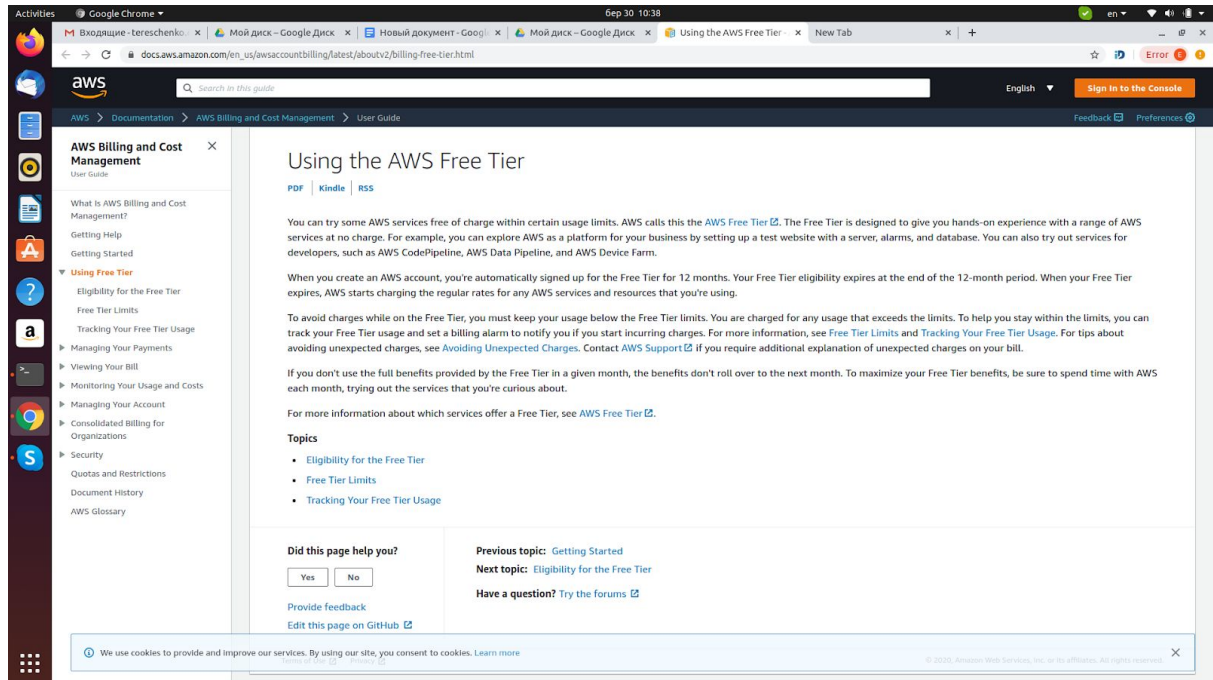




## TASK 2.3



1. I informed by using AWS Free Tier. I'm realize that i can try services such as AWS CodePipeline, AWS Data Pipeline, and AWS Device Farm.



If create AWS Accounts Include 12 Months of Free Tier Access, i can watch the budget via AWS Budgets to track my free tier usage.

## 2 Launch a Linux Virtual Machine


 Amazon Lightsail  Home

Docs   Account  AWS Billing


Good afternoon!


Instances


Databases Networking Storage Snapshots

Sort by **Date** 

Create instance

 **WordPress-2**  
512 MB RAM, 1 vCPU, 20 GB SSD  
Running  
Oregon, Zone B

 **WordPress-1**  
512 MB RAM, 1 vCPU, 20 GB SSD  
Running  
Oregon, Zone A

 **WordPress-LL**

Choose Change Region and Availability Zone to create your instance in another location

## Select your instance location

### Select a Region

The closer your instance is to your users, the less latency they will experience.

[Learn more about Regions](#)

 <b>Oregon</b> us-west-2	 <b>Ohio</b> us-east-2	 <b>Virginia</b> us-east-1	 <b>Montreal</b> ca-central-1
 <b>Tokyo</b> ap-northeast-1	 <b>Seoul</b> ap-northeast-2	 <b>Ireland</b> eu-west-1	 <b>Sydney</b> ap-southeast-2
 <b>London</b> eu-west-2	 <b>Paris</b> eu-west-3	 <b>Frankfurt</b> eu-central-1	 <b>Singapore</b> ap-southeast-1
 <b>Mumbai</b> ap-south-1			

### Select an Availability Zone [?](#)

<b>A</b> <b>Zone A</b> us-west-2a	<b>B</b> <b>Zone B</b> us-west-2b	<b>C</b> <b>Zone C</b> us-west-2c	<b>D</b> <b>Zone D</b> us-west-2d
--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------

Choose Linux/Unix platform option

## Select a blueprint

Apps + OS

OS Only



**Amazon Linux**  
2018.03.0.202...



**Ubuntu**  
16.04 LTS



**Ubuntu**  
18.04 LTS



**Debian**  
8.7



**Debian**  
9.5



**FreeBSD**  
12



**openSUSE**  
15.1



**CentOS**  
7 1901-01


Add launch script

You can add a shell script that will run on your instance the first time it launches.

**+ Add launch script**

## Change SSH key pair

You are using the **default** SSH key pair for connecting to your instance.

 [Change SSH key pair](#)

## Enable Automatic Snapshots

Automatic snapshots create a backup image of your instance and attached disks on a daily schedule.

☒ **Enable Automatic Snapshots**

Choose a time of day when you'd like us to attempt your snapshot:

00:00 ▼

Coordinated Universal Time (GMT+0) ▼

Choose your instance plan.

Enter a name for your instance.

## Identify your instance

Your Lightsail resources must have unique names.

×

(Optional) Choose one of the following options to add tags to your instance:

Chose Create instance.

Connect your instance

### 3.1. Store and Retrieve a File

### 3.2. create an Amazon S3 *bucket*.

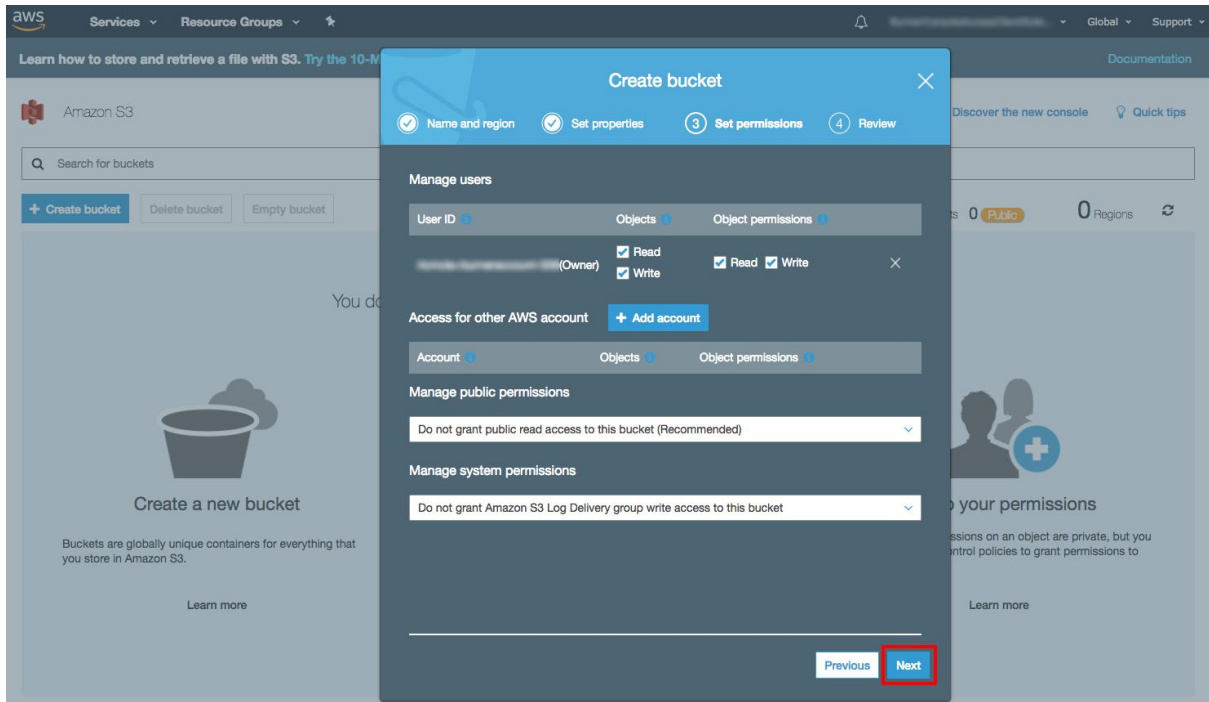


Enter a bucket name.

The screenshot shows the AWS Management Console's 'Create bucket' wizard. The wizard has four steps: 1. Name and region, 2. Set properties, 3. Set permissions, and 4. Review. In the 'Name and region' step, the 'Bucket name' field is highlighted with a red box, showing the placeholder text 'Enter DNS-compliant bucket name'. The 'Region' dropdown menu is also highlighted with a red box, showing 'US West (Oregon)'. Below these fields, there is a section for 'Copy settings from an existing bucket' with a dropdown showing 'You have no buckets' and '0 Buckets'. At the bottom of the wizard, the 'Next' button is highlighted with a red box.

The screenshot shows the 'Set properties' step of the 'Create bucket' wizard. It contains five property sections: 'Versioning' (Keep multiple versions of an object in the same bucket, Disabled), 'Server access logging' (Set up access log records that provide details about access requests, Disabled), 'Tags' (Use tags to track your cost against projects or other criteria, 0 Tags), 'Object-level logging' (Record object-level API activity using the CloudTrail data events feature (additional cost), Disabled), and 'Default encryption'. Each section has a 'Learn more' link. At the bottom right, the 'Next' button is highlighted with a red box.

You have the ability to set permission settings for your S3 bucket.



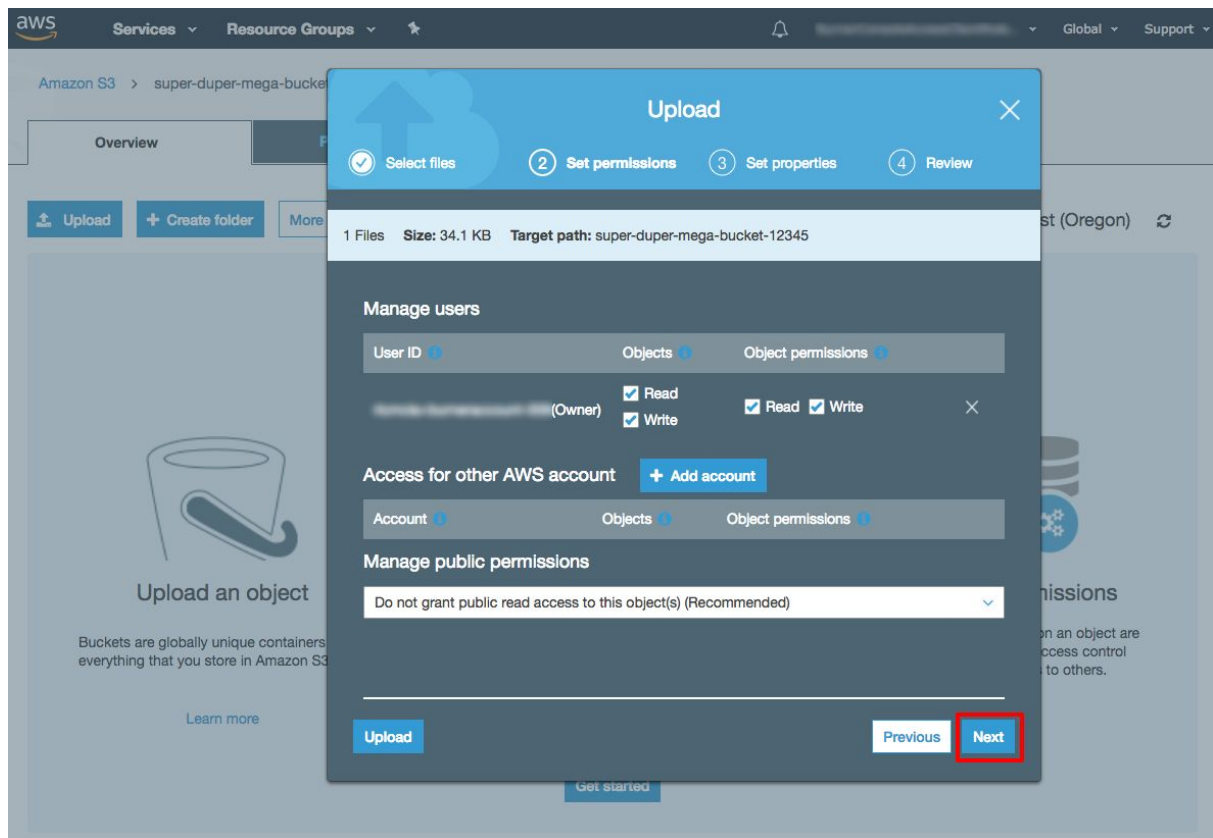
select Create bucket.

### 3.3. Upload file

Select Upload.

click Add files

select Next.



select Next

Upload

#### 3.4 Retrieve the Object

select Download.

The screenshot shows the Amazon S3 console interface. At the top, there's a navigation bar with 'Services', 'Resource Groups', and a search icon. Below this, the breadcrumb 'Amazon S3 > sample-bucket-name-012345' is visible. The main area has tabs for 'Overview', 'Properties', 'Permissions', and 'Management'. A search bar is present with the placeholder text 'Type a prefix and press Enter to search. Press ESC to clear.' Below the search bar are buttons for 'Upload', 'Create folder', and 'More'. A table lists the objects in the bucket, with 'sample-file.png' selected and its checkbox highlighted by a red box. To the right, a side panel for 'sample-file.png' is open, showing a 'Download' button (also highlighted with a red box) and a 'Copy path' button. The side panel also displays metadata for the file, including its key, size, expiration date, and a link to the object.

sample-file.png		
Latest version		
<b>Overview</b>		
Key	sample-file.png	
Size	1273527	
Expiration date	N/A	
Expiration rule	N/A	
ETag	ba75eb14ca31669277d4b896bb15b414	
Last modified	Jul 25, 2017 1:56:08 PM GMT-0700	
Link	<a href="https://s3.amazonaws.com/sample-bucket-name-012345/sample-file.png">https://s3.amazonaws.com/sample-bucket-name-012345/sample-file.png</a>	
<b>Properties</b>		
Storage class	Standard	
Encryption	None	
Tags	0 Tags	
<b>Permissions</b>		
Owner	songi	

### 3.5 Delete the Object and Bucket

select More > Delete.

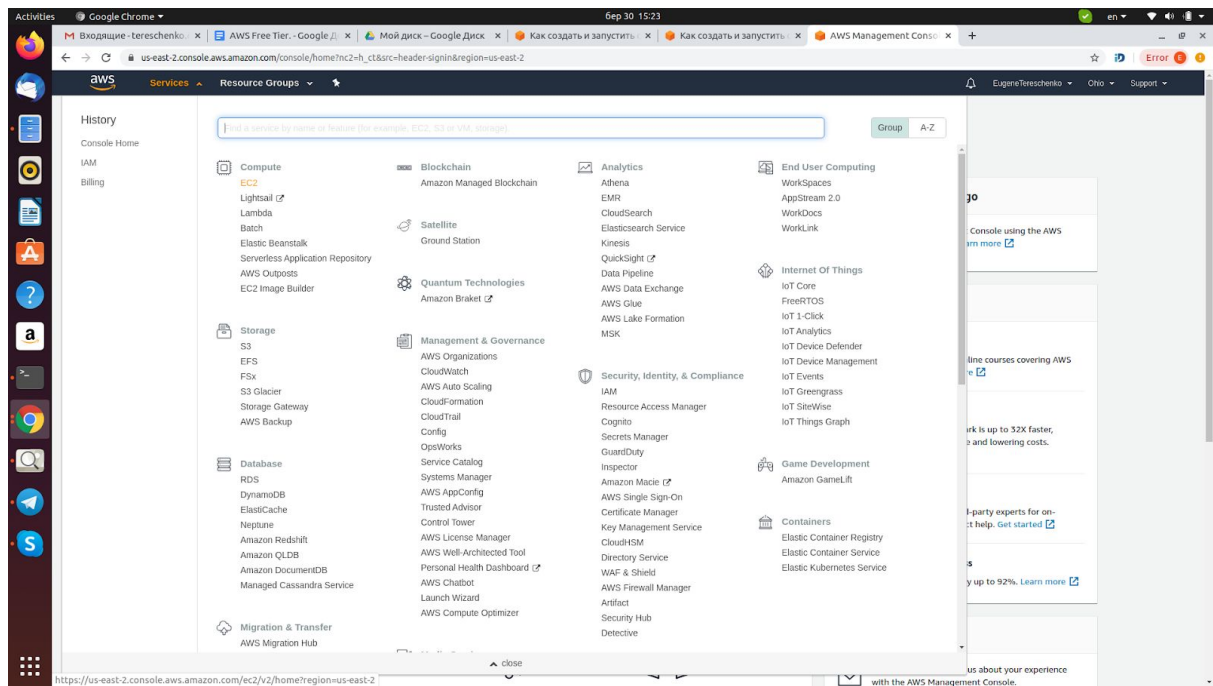


Select Delete.

Click on Amazon S3 to view all your buckets in the region.

click Confirm.

#### 4 Create your own Web site



Launch Instance

AWS Marketplace search WordPress and press Select.

press continue.

Next: Configure Instance Details.

Press Review and Launch

Launch

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](#).

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

View Instances

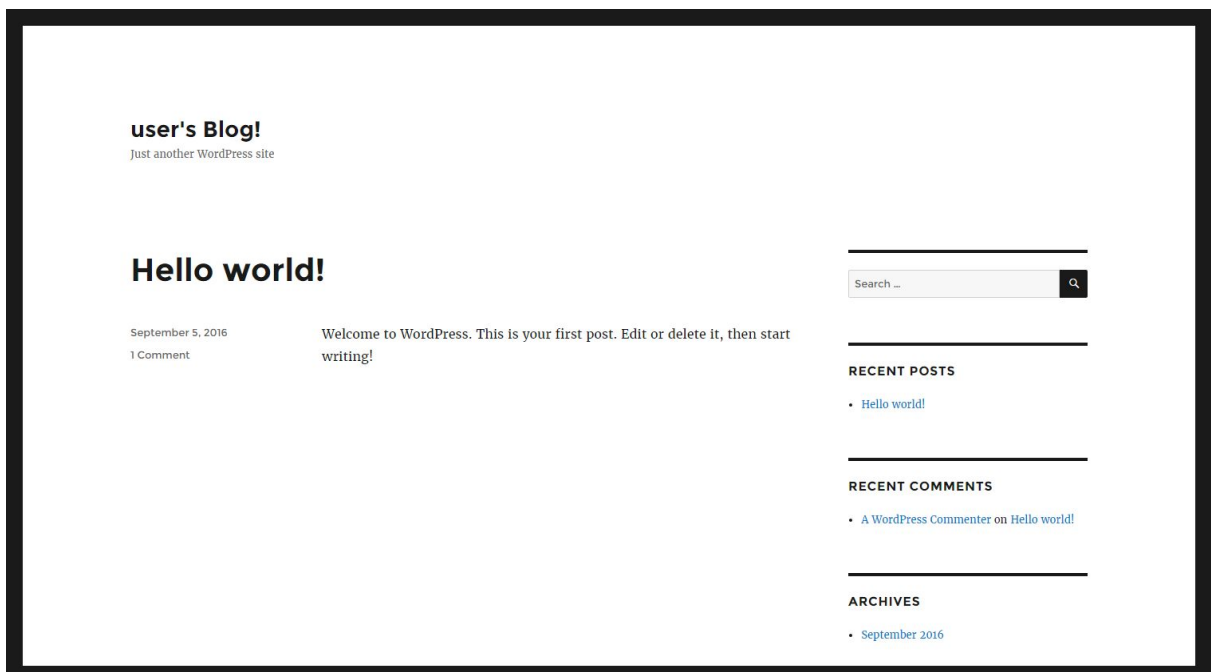
Launch InstanceConnectActions

Filter by tags and attributes or search by keyword1 to 2 of 2

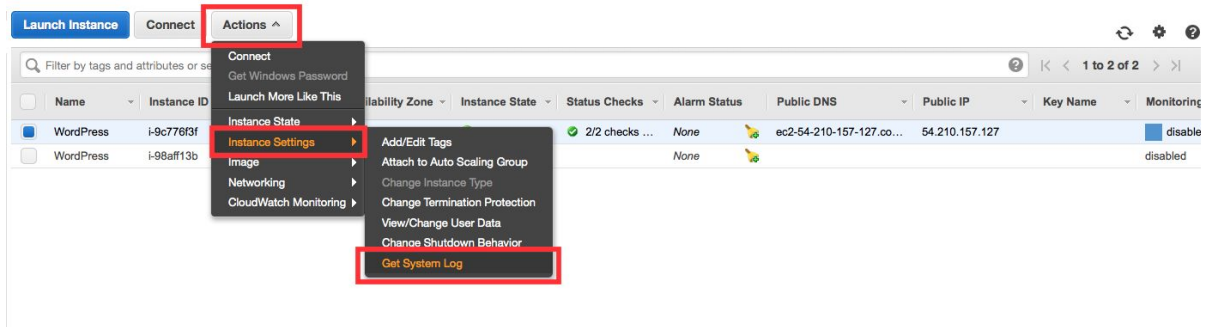
	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS
<input type="checkbox"/>		i-389cc29b	t2.micro	us-east-1a	terminated		None	
<input checked="" type="checkbox"/>	WordPress	i-98aff13b	t2.micro	us-east-1a	running	Initializing	None	ec2-54-172-168-218.c

check web service

show Hello World



## WordPress press action



## select password



connect by admin



Username

user

Password

.....

☐ Remember Me

Log In

[Lost your password?](#)

[← Back to user's Blog!](#)

## 5. Create a DNS

Allocate New Address

Yes, Allocate

Allocate New Address

×

Are you sure you want to allocate a new IP address?

EIP used in 

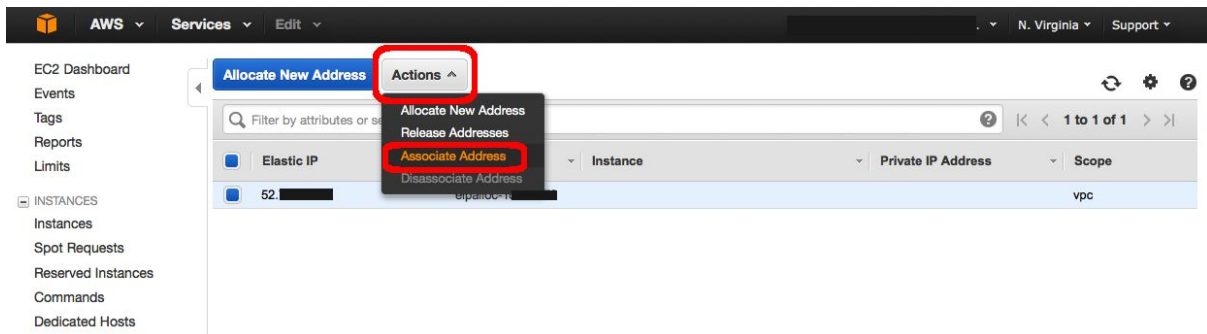
VPC

Cancel

Yes, Allocate

Input new IP address and press close

choose Associate Address



Choose instance

**Associate Address** ✕

Select the instance OR network interface to which you wish to associate this IP address (52.1[REDACTED])

**Instance**

Search instance ID or Name tag

**Network Interface**


i-1[REDACTED] (WordPress) (running)

Search network interface ID or Name tag

**Private IP Address**

Select instance or interface. ⌵ i

☐ Reassociation i

 **Warning**

If you associate an Elastic IP address with your instance, your current public IP address is released. Learn more about [public IP addresses](#).

Cancel **Associate**

check new IP address

## Register Domain

Amazon Route 53 provides users with domain management service where users can buy new domains, transfer existing domains and manage queries for the domains they own.



### DNS Management

If you already have a domain name, such as example.com, Route 53 can tell the Domain Name System (DNS) where to find web servers, mail servers, and other resources for your domain.

[Learn More](#)

[Get Started Now](#)



### Health Check

Route 53 can monitor the health and performance of your application as well as your web servers and other resources. Route 53 can also redirect traffic to resources where your application is healthy.

[Learn More](#)

[Get Started Now](#)



### Domain Registration

If you need a domain name, you can find an available name and buy it using Route 53. You can also make Route 53 the registrar for existing domains that you bought from other registrars.

[Learn More](#)

[Get Started Now](#)

### Route53 Documentation

[Getting Started Guide](#) | [Route 53 Documentation](#)

## Add to cart

- 1: Domain Search
- 2: Contact Details
- 3: Review & Purchase

### Choose a domain name

.com - \$12.00 [Check](#)

#### Availability for 'clouDEXamples.com'

Domain Name	Status	Price /1 Year	Action
clouDEXamples.com	✓ Available - In Cart	\$12.00	<a href="#">Add to cart</a>

#### Availability for popular TLDs

Domain Name	Status	Price /1 Year	Action
clouDEXamples.ca	✓ Available	\$13.00	<a href="#">Add to cart</a>
clouDEXamples.co	✓ Available	\$25.00	<a href="#">Add to cart</a>
clouDEXamples.co.uk	✓ Available	\$9.00	<a href="#">Add to cart</a>
clouDEXamples.com.au	✓ Available	\$15.00	<a href="#">Add to cart</a>
clouDEXamples.de	✓ Available	\$9.00	<a href="#">Add to cart</a>
clouDEXamples.eu	✓ Available	\$13.00	<a href="#">Add to cart</a>

### Shopping Cart

#### One time fees

clouDEXamples.com	
1 Year Registration	\$12.00
<b>SUBTOTAL</b>	<b>\$12.00</b>

#### Monthly Fees for DNS Management

[View pricing details](#) for Route 53 queries and for the hosted zone that we create for each new domain.

Continue

Complete Purchase

Configure DNS

Hosted Zones

Create Record Set

Dashboard

Hosted zones

Health checks

Traffic flow

Traffic policies

Policy records

Domains

Registered domains

Pending requests

Back to Hosted Zones

Create Record Set

Import Zone File

Delete Record Set

Record Set Name

Any Type

Aliases Only

Weighted Only

Displaying 1 to 2 out of 2 Record Sets

Type	Value	Evaluate Target Health	Health Check ID
NS	ns-1072.awsdns-06.org, ns-387.awsdns-48.com, ns-744.awsdns-29.net, ns-1909.awsdns-46.co.uk.	-	-
SOA	ns-1072.awsdns-06.org. awsdns-hostmaster.amazo	-	-

Create Record Set

Name:

Type: A - IPv4 address

Alias: ☐ Yes ☒ No

TTL (Seconds):  1m 5m 1h 1d

Value:

IPv4 address. Enter multiple addresses on separate lines.  
Example:  
192.0.2.235  
198.51.100.234

Routing Policy: Simple

Route 53 responds to queries based only on the values in this record.  
[Learn More](#)

Create

AWS

Services

Edit

Global

Support

Dashboard

Hosted zones

Health checks

Traffic flow

Traffic policies

Policy records

Domains

Registered domains

Pending requests

Back to Hosted Zones

Create Record Set

Import Zone File

Delete Record Set

Record Set Name

Any Type

Aliases Only

Weighted Only

Displaying 1 to 3 out of 3 Record Sets

Name	Type	Value	Evaluate Target Health
<input type="checkbox"/> clouDEXamples.com.	NS	ns-1072.awsdns-06.org. ns-387.awsdns-48.com. ns-744.awsdns-29.net. ns-1909.awsdns-46.co.uk.	-
<input type="checkbox"/> clouDEXamples.com.	SOA	ns-1072.awsdns-06.org. awsdns-hostmaster.amazon	-
<input type="checkbox"/> www.clouDEXamples.com.	A	52	-

Create Record Set

Name: clouDEXamples.com.

Type: A - IPv4 address

Alias: ☒ Yes ☐ No

Alias Target: Enter target name

Routing Policy: Simple

Route 53 responds to queries based only on the values in this record.  
[Learn More](#)

Evaluate Target Health: ☐ Yes ☒ No

www.clouDEXamples.com

Search

## user's Blog!

Just another WordPress site

### RECENT POSTS

# Hello world!

Welcome to WordPress. This is your first post. Edit or delete it, then start writing!

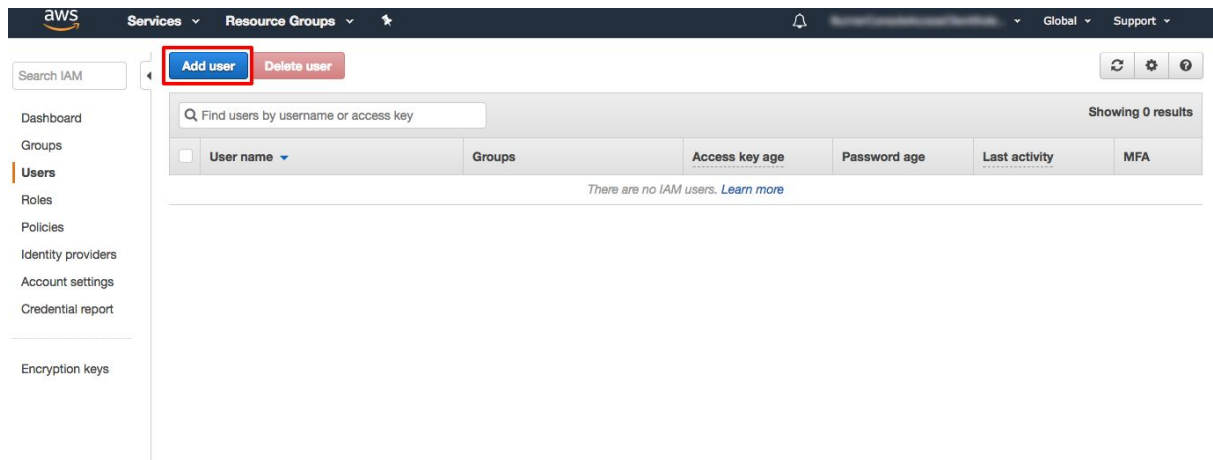


## 6.1. Create User AWS AIM

Open services Identity and Access Management.

Users

Add user.



## Next: Permissions

aws

Services

Resource Groups

Add user

1

2

3

4

Details

Permissions

Review

Complete

Set user details

You can add multiple users at once with the same access type and permissions. [Learn more](#)

User name\*

AWS\_Admin

+

Add another user

Select AWS access type

Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. [Learn more](#)

Access type\*

☒ Programmatic access

Enables an **access key ID** and **secret access key** for the AWS API, CLI, SDK, and other development tools.

☐ AWS Management Console access

Enables a **password** that allows users to sign-in to the AWS Management Console.

\* Required

Cancel

Next: Permissions

choose AdministratorAccess

1 2 3 4  
Details Permissions Review Complete

**Success**  
You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.  
Users with AWS Management Console access can sign-in at: <https://518299637528.signin.aws.amazon.com/console>

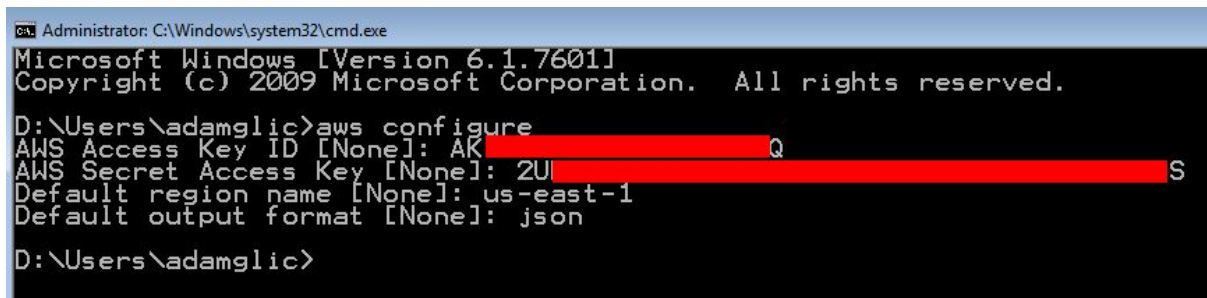
 Download .csv

	User	Access key ID	Secret access key
▶ 	AWS_Admin	AKIAITODEW5FBCY72FIQ	***** <a href="#">Show</a>

Close

## 6.2 Configure CLI AWS

aws configure



```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

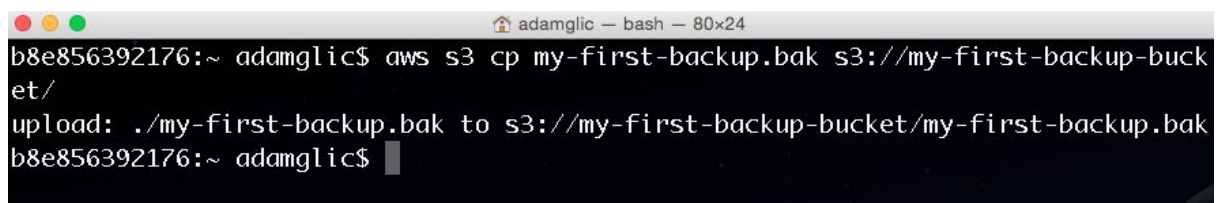
D:\Users\adamglic>aws configure
AWS Access Key ID [None]: AKIA[REDACTED]Q
AWS Secret Access Key [None]: 2U[REDACTED]S
Default region name [None]: us-east-1
Default output format [None]: json

D:\Users\adamglic>
```

## 6.3 Use CLI AWS c Amazon S3

```
aws s3 mb s3://my-first-backup-bucket
```

```
aws s3 cp "C:\users\my first backup.bak" s3://my-first-backup-bucket/
```



```
adamglic — bash — 80x24
b8e856392176:~ adamglic$ aws s3 cp my-first-backup.bak s3://my-first-backup-bucket/
upload: ./my-first-backup.bak to s3://my-first-backup-bucket/my-first-backup.bak
b8e856392176:~ adamglic$
```

```
aws s3 cp s3://my-first-backup-bucket/my-first-backup.bak ./
```

```
aws s3 rm s3://my-first-backup-bucket/my-first-backup.bak
```

## 7 Web site