

## Project1 :- Working with IAM Roles with S3 and bootstrapping with EC2

### Task1: Creating a bootstrapped instance

Services ▾ Mithlesh Kumar ▾ N. Virginia ▾ Support ▾

EC2 > Instances > i-06e9e75ea2e381719 > Edit user data

#### Edit user data [Info](#)

Instance ID  
i-06e9e75ea2e381719 (P1Task1)

Current user data  
Current user data

User data currently associated with this instance

```
#!/bin/bash
yum -y install httpd
service httpd start
```

To edit your instance's user data you first need to stop your instance.

Cancel Save

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#### Instances (1/3) [Info](#)

Filter instances

	Name ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm Status	Availability zone
<input checked="" type="checkbox"/>	P1Task1	i-06e9e75ea2e381719	Running	t2.micro	2/2 checks ...	No alarms +	us-east-1d
<input type="checkbox"/>	P1Task2	i-07a092d78c8a34708	Running	t2.micro	2/2 checks ...	No alarms +	us-east-1d
<input type="checkbox"/>	P1Task3	i-05c32357cdae1df6	Running	t2.micro	2/2 checks ...	No alarms +	us-east-1d

#### ▼ Instance summary [Info](#)

Instance ID i-06e9e75ea2e381719 (P1Task1)	Public IPv4 address 3.88.162.176   <a href="#">open address</a>	Private IPv4 addresses 172.31.83.146
Instance state Running	Public IPv4 DNS ec2-3-88-162-176.compute-1.amazonaws.com   <a href="#">open address</a>	Private IPv4 DNS ip-172-31-83-146.ec2.internal
Instance type t2.micro	Elastic IP addresses -	VPC ID vpc-149c6169

Not secure | 3.88.162.176

Test Page

This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at working properly.

**If you are a member of the general public:**

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting `www.example.com`, you should send e-mail to "`webmaster@example.com`".

**If you are the website administrator:**

You may now add content to the directory `/var/www/html/`. Note that until you visiting your website will see this page, and not your content. To prevent this ever being used, follow the instructions in the file `/etc/httpd/conf.d/welcome`

You are free to use the image below on web sites powered by the Apache!

Powered by **APACHE** 2.4

## Task 2:Checking bucket list and creating a new bucket from EC2 using IAM Roles

Services

Mithlesh Kumar

EC2 > Instances > i-07a092d78c8a34708 > Modify IAM role

Modify IAM role

Attach an IAM role to your instance.

Instance ID

i-07a092d78c8a34708 (P1Task2)

IAM role

Select an IAM role to attach to your instance or create a new role if you haven't created any. The role you select replaces any roles that are currently attached to your instance.

s3\_full\_access

Create new IAM role

Cancel

Save

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Instances (1/3)

Filter instances

1

	Name	Instance ID	Instance state	Instance type	Status check	Alarm Status	Availability zone
<input type="checkbox"/>	P1Task1	i-06e9e75ea2e381719	Running	t2.micro	2/2 checks ...	No alarms	us-east-1d
<input checked="" type="checkbox"/>	P1Task2	i-07a092d78c8a34708	Running	t2.micro	2/2 checks ...	No alarms	us-east-1d
<input type="checkbox"/>	P1Task3	i-05c32357cdaee1df6	Running	t2.micro	2/2 checks ...	No alarms	us-east-1d

Instance ID

i-07a092d78c8a34708 (P1Task2)

Instance state

Running

Instance type

t2.micro

IAM Role

s3\_full\_access

Public IPv4 address

3.86.153.6 | open address

Public IPv4 DNS

ec2-3-86-153-6.compute-1.amazonaws.com | open address

Elastic IP addresses

Subnet ID

subnet-ea53ffcb

Private IPv4 addresses

172.31.83.43

Private IPv4 DNS

ip-172-31-83-43.ec2.internal

VPC ID

vpc-149c6169

```
← → ↺ console.aws.amazon.com/ec2/v2/connect/ec2-user/i-07a092d78c8a34708

  _ | ( _ | _ )
  _ | \ _ | _ |   Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
2 package(s) needed for security, out of 13 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-83-43 ~]$ aws s3 ls
[ec2-user@ip-172-31-83-43 ~]$ aws s3 mb s3://mithu162020
make_bucket: mithu162020
[ec2-user@ip-172-31-83-43 ~]$ aws s3 mb s3://mithu162020
make_bucket: mithu162020
[ec2-user@ip-172-31-83-43 ~]$ aws s3 ls
2020-10-16 17:46:19 mithu162020
[ec2-user@ip-172-31-83-43 ~]$ aws s3 mb s3://mithu162020
make_bucket: mithu162020
[ec2-user@ip-172-31-83-43 ~]$ aws s3 mb s3://mithu1620
make_bucket: mithu1620
[ec2-user@ip-172-31-83-43 ~]$ █
```

i-07a092d78c8a34708 (P1Task2)

Public IPs: 3.86.153.6    Private IPs: 172.31.83.43

Task 3: Hosting a webpage using the bootstrap script on ec2.

Services ▾ Mithlesh Kumar ▾

EC2 > Instances > i-05c32357cdae1df6 > Edit user data

### Edit user data [Info](#)

Instance ID  
i-05c32357cdae1df6 (P1Task3)

Current user data  
Current user data

User data currently associated with this instance

```
#!/bin/bash
yum install httpd -y
aws s3 cp s3://mithu162020/index.html /var/www/html
service httpd start
chkconfig httpd on
```

ⓘ To edit your instance's user data you first need to stop your instance.

Cancel Save

aws

Services

Mithlesh Kumar

Global

Support

Amazon S3

mithu162020

mithu162020

Overview

Properties

Permissions

Management

Access points

Q

Type a prefix and press Enter to search. Press ESC to clear.

Upload


Create folder

Download

Actions

US East (N. Virginia)

Viewing 1 to 1

<input type="checkbox"/>	Name	Last modified	Size	Storage class
<input type="checkbox"/>	 index.html	Oct 16, 2020 11:21:25 PM GMT+0530	288.0 B	Standard

Viewing 1 to 1

← → ↺

⚠ Not secure | 3.95.150.96

Welcome to my Web page

Aws Day5and6 Prject1 Task3

Project2: – Creating an EC2 instance in custom VPC