Full Name	Vallapu Sai Shyam
Batch	MS FSD DEC 2021 Cohort 1
Project Name	CI/CD Deployment
Project Submission Date	23-08-2022

Source Code

Springbootweb.java

```
package springboot;

import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication
public class Springbootwebapp {

	public static void main(String[] args) {
		SpringApplication.run(Springbootwebapp.class, args);

	}

}
```

index.html

```
<!DOCTYPE html>
<style>
body {
	background-image: linear-gradient(180deg, rgb(0, 0, 0), #000000);
	margin: 0;
	padding: 0;
	overflow-x: hidden;
	height: 100%;
	font-family: 'Lato', Helvetica, arial, sans-serif;
	font-weight: 300;
	font-size: 20px;
	line-height: 1.45;
	color: #eee;
	color: rgba(255, 255, 255, .85);
}

#container {
	padding-top: 50px;
}
```

```css
#content {
	max-width: 43em;
	padding: 10px;
	margin: 0 auto;
}

h1 {
	font-size: 4.8em;
	font-weight: 100;
	text-transform: uppercase;
	margin: 0;
}

h3 {
	font-size: 2.4em;
	font-weight: 300;
	line-height: 1.5;
}

p, li {
	font-size: 1.7em;
}

a {
	font-weight: 700;
	text-decoration: none;
	color: #fff;
}

a:hover {
	text-decoration: underline;
}

p#pleft {
	max-width: 20em;
	float: left;
}

p#pright {
	max-width: 20em;
	float: left;
}

ul {
	clear: both;
}

html {
	font-size: 62.5%;
}

body {
	font-size: 1em;
}

body {
	/* To show the background color is no problem here */
	background-color: #efefef;
}
```

```
@media ( min-width : 880px) {
	html {
		font-size: 120%;
	}
	p, li {
		font-size: 1em;
	}
	p#pright {
		margin-left: 3em;
	}
	.stage {
		-webkit-transform: scale(0.85);
		transform: scale(0.85);
		margin-right: 120px;
	}
}
</style>
<html lang="en">

<head>
<h1>
	<title>SAI SHYAM</title>
</h1>

<!-- Bootstrap -->
<link type="text/css" href="css/bootstrap.min.css" rel="stylesheet" />
<link type="text/css" href="css/default.css" rel="stylesheet" />

</head>
<body>

	<div id="container">
		<div id="content">
			<div id="about">
				<h1>
					<div style='float: left; margin-bottom:
14px;'>SAI SHYAM</div>

				</h1>
				<h3 style='clear: both' class="subhead">
					<a>SPRING-BOOT</a> Web App
				</h3>


				<p id='pleft'>The following were used in
development:</p>
				<p id='pright'>As requested by management,
demonstrating the
					automated, integrated, and deployed spring-boot
web application.</p>

				<ul>
					<li><a>Eclipse</a></li>
					<li><a>GitHub</a></li>
					<li><a>S3 bucket</a></li>
					<li><a>AWS EC2/ Virtual machine</a></li>
```

```
                        </ul>
                        <p>Contact Details: SAI SHYAM, FSJD</p>
                    </div>
                </div>
            </div>

</body>
</html>
```

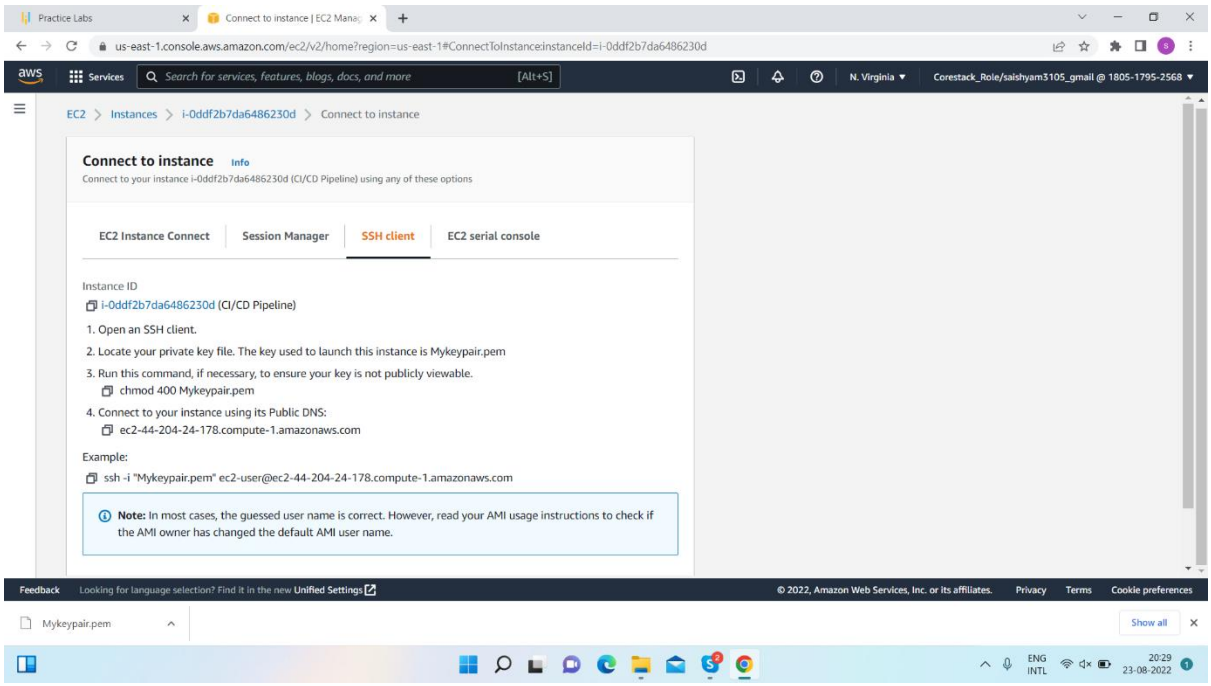
default.css

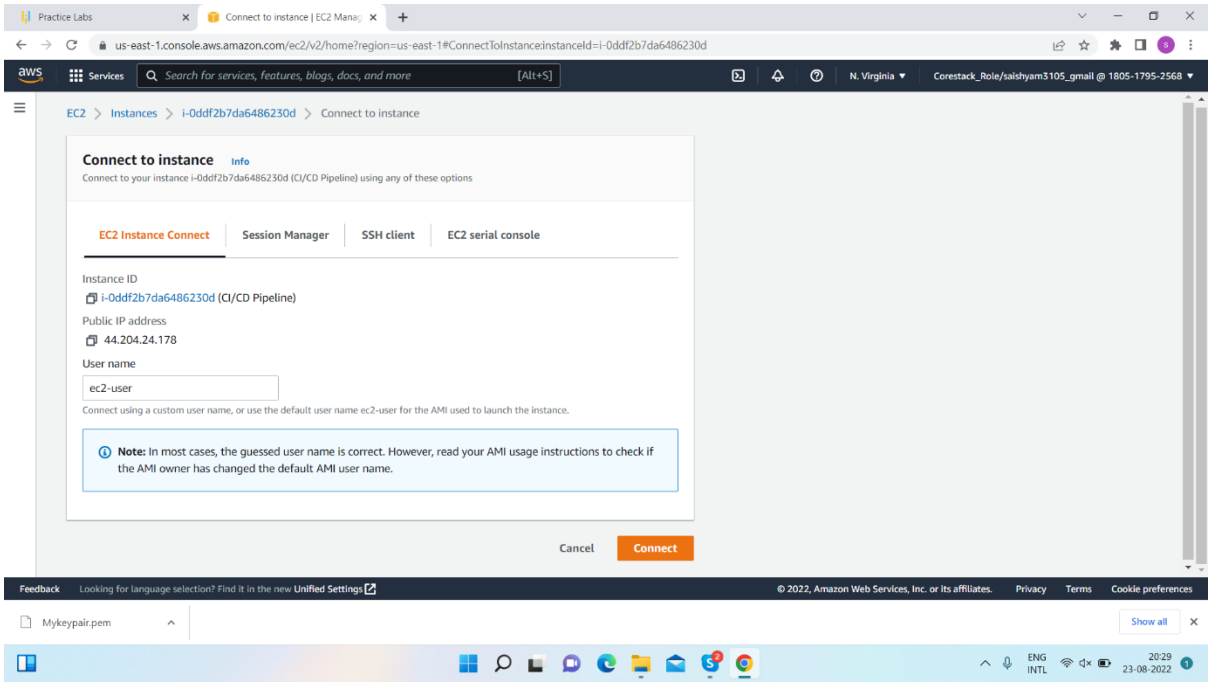
```
body {
    background-image: linear-gradient(180deg, #0088bb, #000000);
    margin:0; padding:0;
    overflow-x:hidden;
    height:100%;
    font-family: 'Lato', Helvetica, arial, sans-serif;
    font-weight: 300;
    font-size: 20px;
    line-height: 1.45;
    color: #eee;
    color: rgba(255,255,255,.85);
}
#container {
    padding-top: 50px;
}
#content {
    max-width: 43em;
    padding:10px;
    margin: 0 auto;
}
h1 {
    font-size: 4.8em;
    font-weight: 100;
    text-transform: uppercase;
    margin: 0;
}
h3 {
    font-size: 2.4em;
    font-weight: 300;
    line-height: 1.5;
}
p, li {
    font-size: 1.7em;
}
a {
    font-weight: 700;
    text-decoration: none;
    color: #fff;
}
a:hover {
```

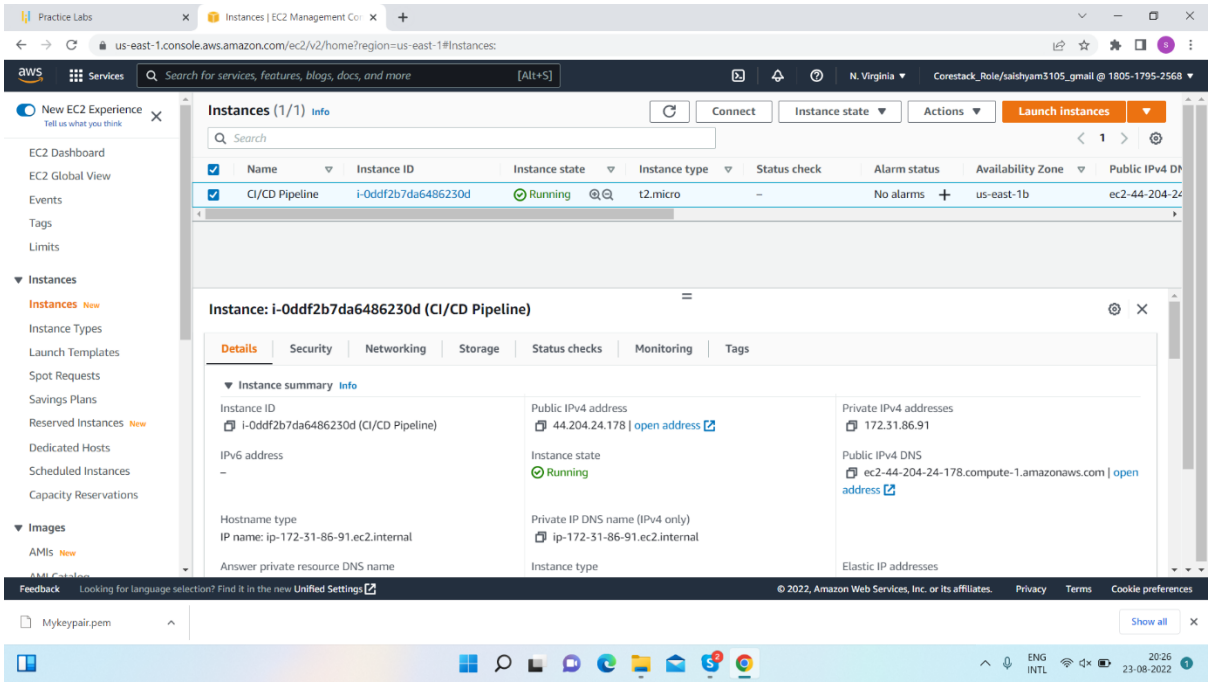
```
    text-decoration: underline;
}
p#pleft {
    max-width:20em;
    float:left;
}
p#pright {
    max-width:20em;
    float:left;
}
ul {
    clear:both;
}


html { font-size: 62.5%; }
body { font-size: 1em;}


/* PYRAMID CODE */
.stage {
  -webkit-transform:scale(1.85);
  transform:scale(0.85);
  float:right;
  margin-right:120px;
  margin-top:30px;
  width:0px; height:0px;

  position:relative;
  -webkit-perspective:1200px;
  -webkit-perspective-origin:50% 50%;
  perspective:1200px;
  perspective-origin:50% 50%;
}
.pyramid3d {
  position:relative;
  width:150px;
  height:150px;

  -webkit-transform-style: preserve-3d;
  transform-style: preserve-3d;
  -webkit-transform: rotateX(75deg) rotate(65deg);
  transform: rotateX(75deg) rotate(65deg);
  -webkit-animation: turnPyramid 10s linear infinite;
  animation: turnPyramid 10s linear infinite;
}
.triangle {
  -webkit-transform-style:preserve-3d;
  transform-style:preserve-3d;
  width:0; height:0;
  background:none;
}
.triangle:before{
  content:"";
  position: absolute;
  height: 0; width: 0;
  border-style: solid;
  border-width: 176px 75px 0 75px;
}
```

```
.side1 { -webkit-transform: translatex(0) rotatey(115.2deg) rotatez(90deg);
transform: translatex(0) rotatey(115.2deg) rotatez(90deg); }
.side2 { -webkit-transform: translatex(150px) rotatez(90deg) rotatex(64.8deg);
transform: translatex(150px) rotatez(90deg) rotatex(64.8deg); }
.side3 {  -webkit-transform: translatez(0) rotatex(64.8deg); transform:
translatez(0) rotatex(64.8deg); }
.side4 { -webkit-transform: translatey(150px) rotatex(115.2deg); transform:
translatey(150px) rotatex(115.2deg); }
.side1:before{ border-color: rgba(115, 115, 0, 0.3) transparent transparent
transparent; }
.side2:before{ border-color: rgba(20, 90, 225, 0.3) transparent transparent
transparent; }
.side3:before{ border-color: rgba(255,   0, 0, 0.3) transparent transparent
transparent; }
.side4:before{ border-color: rgba(0, 255, 255, 0.3) transparent transparent
transparent; }


@-webkit-keyframes turnPyramid { 100% { -webkit-transform: rotateX(75deg)
rotate(425deg); } }
@keyframes turnPyramid { 100% { transform: rotateX(75deg) rotate(425deg); } }

@media (max-width: 300px) {
    html { font-size: 70%; }
    .stage { -webkit-transform:scale(0.05); transform:scale(0.05); }
}
@media (max-width: 440px) {
    h1 { line-height:55px; }
}
@media (max-width: 460px) {
  .stage { position:absolute; top:25px; left:50%; margin-left:-45px; }
  h1 { margin-top:50px; text-align:center; }
}
@media (max-width:600px) { .stage { -webkit-transform:scale(0.55);
transform:scale(0.55); margin-right:60px; } }
@media (min-width: 600px) {
    html { font-size: 80%; }
    .stage { -webkit-transform:scale(0.68); transform:scale(0.68); margin-
right:80px; }
}
@media (min-width: 880px) {
    html { font-size: 120%; }
    p, li { font-size: 1em; }
    p#pright { margin-left:3em; }
    .stage { -webkit-transform:scale(0.85); transform:scale(0.85); margin-
right:120px; }
}
```

SCREENSHOTS:






Practice Labs
Instances | EC2 Management Co
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:
Services
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Corestack_Role/saishyam3105_gmail @ 1805-1795-2568
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Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Scheduled Instances
Capacity Reservations
Images
AMIs New
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Search
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DN
CI/CD Pipeline
i-0ddf2b7da6486230d
Running
t2.micro
–
No alarms
us-east-1b
ec2-44-204-24
Instance: i-0ddf2b7da6486230d (CI/CD Pipeline)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-0ddf2b7da6486230d (CI/CD Pipeline)
Public IPv4 address
44.204.24.178 | open address
Private IPv4 addresses
172.31.86.91
IPv6 address
–
Instance state
Running
Public IPv4 DNS
ec2-44-204-24-178.compute-1.amazonaws.com | open address
Hostname type
IP name: ip-172-31-86-91.ec2.internal
Private IP DNS name (IPv4 only)
ip-172-31-86-91.ec2.internal
Answer private resource DNS name
Instance type
Elastic IP addresses
Feedback
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Mykeypair.pem
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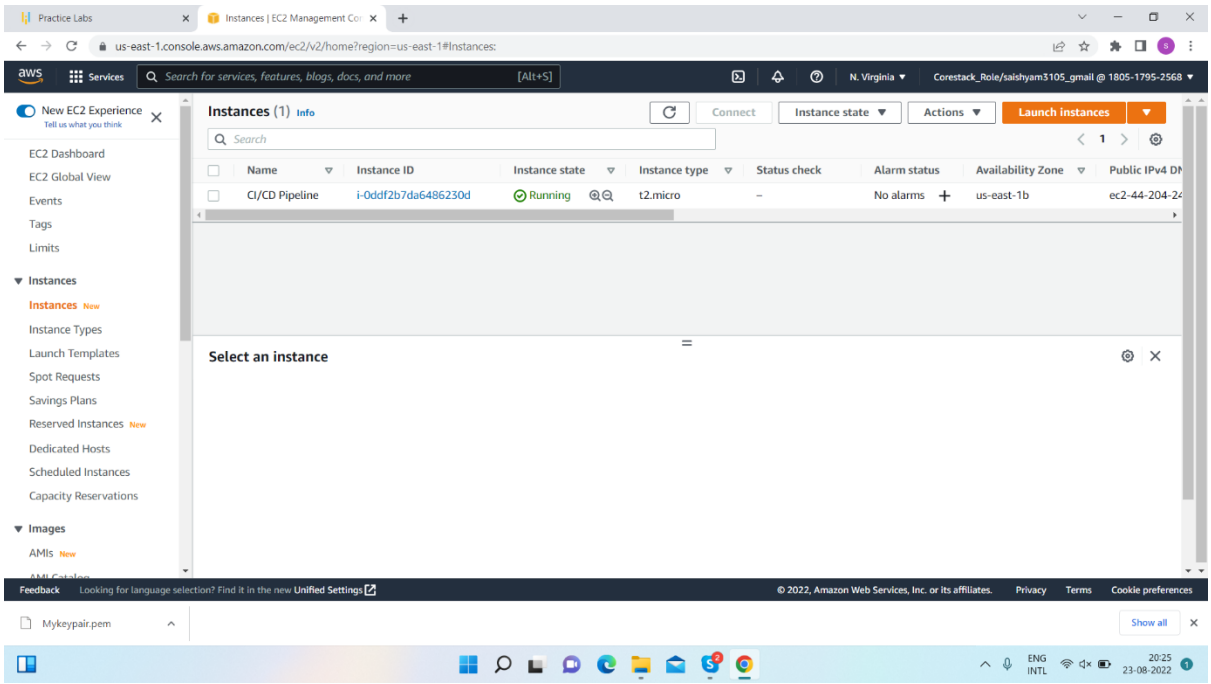
23-08-2022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Instances | EC2 Management Co
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Instances (1) Info
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Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DN
CI/CD Pipeline
i-0ddf2b7da6486230d
Running
t2.micro
–
No alarms
us-east-1b
ec2-44-204-24
Select an instance
Feedback
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Mykeypair.pem
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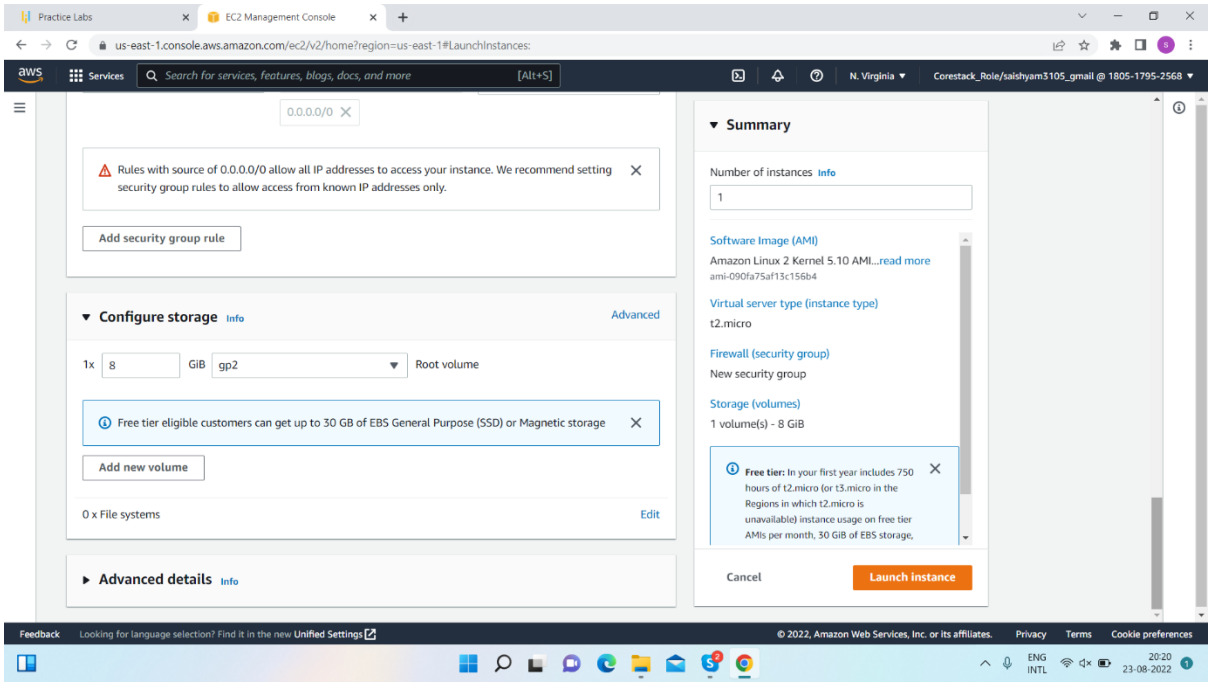
Practice Labs
EC2 Management Console
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstances:
Services
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Corestack_Role/saishyam3105_gmail @ 1805-1795-2568
0.0.0.0/0
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Add security group rule
Configure storage Info
Advanced
1x 8 GiB gp2 Root volume
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Add new volume
0 x File systems
Edit
Advanced details Info
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-090fa75af13c156b4
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage,
Cancel
Launch instance
Feedback
Looking for language selection? Find it in the new Unified Settings
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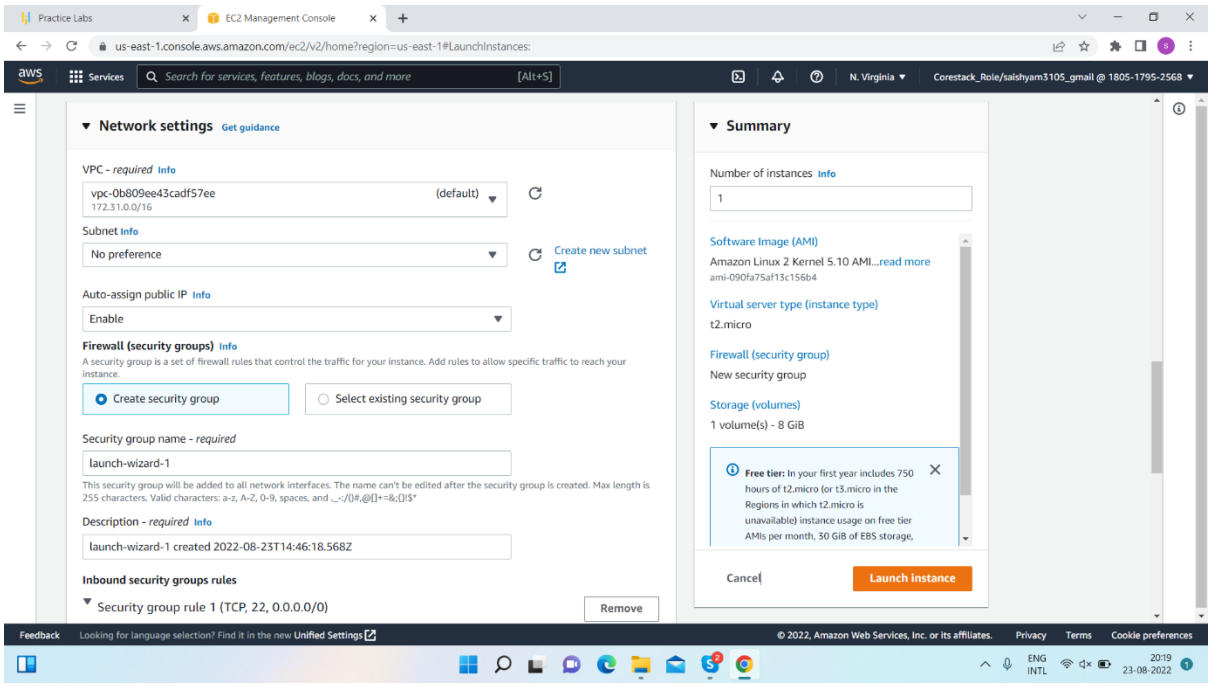
Practice Labs
EC2 Management Console
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstances:
Services
Search for services, features, blogs, docs, and more [Alt+S]
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Corestack_Role/saishyam3105_gmail @ 1805-1795-2568
Network settings Get guidance
VPC - required Info
vpc-0b809ee43cadf57ee (default)
172.31.0.0/16
Subnet Info
No preference
Create new subnet
Auto-assign public IP Info
Enable
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
Security group name - required
launch-wizard-1
This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&;{}!$*
Description - required Info
launch-wizard-1 created 2022-08-23T14:46:18.568Z
Inbound security groups rules
Security group rule 1 (TCP, 22, 0.0.0.0/0)
Remove
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-090fa75af13c156b4
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage,
Cancel
Launch instance
Feedback
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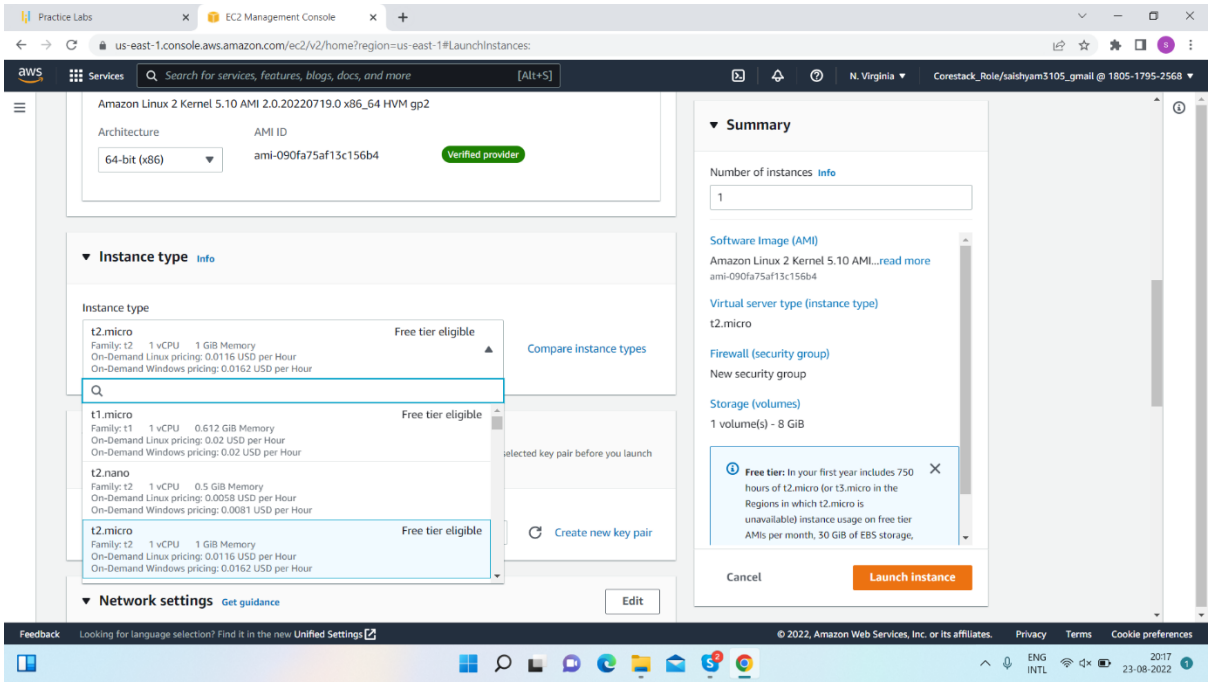
Practice Labs
EC2 Management Console
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstances:
Services
Search for services, features, blogs, docs, and more
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Corestack_Role/saishyam3105_gmail @ 1805-1795-2568
Amazon Linux 2 Kernel 5.10 AMI 2.0.20220719.0 x86_64 HVM gp2
Architecture
AMI ID
64-bit (x86)
ami-090fa75af13c156b4
Verified provider
Instance type Info
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory
On-Demand Linux pricing: 0.0116 USD per Hour
On-Demand Windows pricing: 0.0162 USD per Hour
Compare instance types
t1.micro
Free tier eligible
Family: t1 1 vCPU 0.612 GiB Memory
On-Demand Linux pricing: 0.02 USD per Hour
On-Demand Windows pricing: 0.02 USD per Hour
t2.nano
Family: t2 1 vCPU 0.5 GiB Memory
On-Demand Linux pricing: 0.0058 USD per Hour
On-Demand Windows pricing: 0.0081 USD per Hour
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory
On-Demand Linux pricing: 0.0116 USD per Hour
On-Demand Windows pricing: 0.0162 USD per Hour
Create new key pair
Network settings Get guidance
Edit
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-090fa75af13c156b4
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage,
Cancel
Launch instance
Feedback
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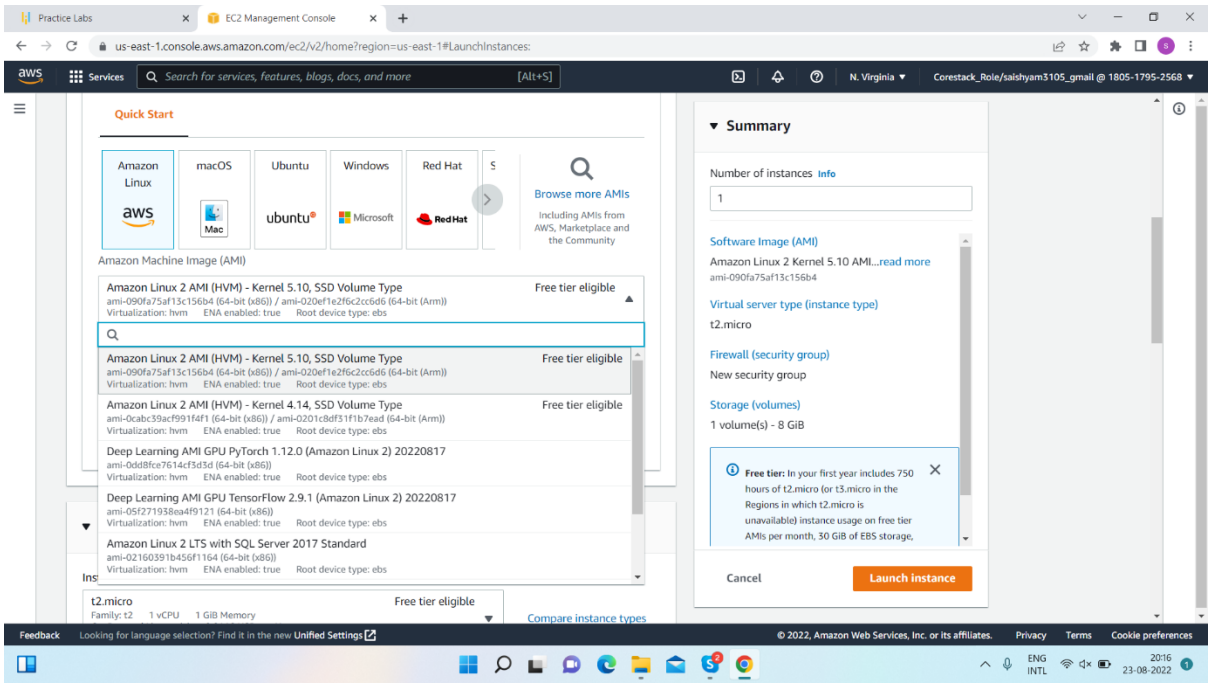
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EC2 Management Console
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstances:
Services
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Corestack_Role/saishyam3105_gmail @ 1805-1795-2568
Quick Start
Amazon Linux
macOS
Ubuntu
Windows
Red Hat
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type
Free tier eligible
ami-090fa75af13c156b4 (64-bit (x86)) / ami-020ef1e2f6c2cc6d6 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs
Amazon Linux 2 AMI (HVM) - Kernel 4.14, SSD Volume Type
Free tier eligible
ami-0cabc39acf991f4f1 (64-bit (x86)) / ami-0201c8df31f1b7ead (64-bit (Arm))
Deep Learning AMI GPU PyTorch 1.12.0 (Amazon Linux 2) 20220817
ami-0dd8fce7614cf3d3d (64-bit (x86))
Deep Learning AMI GPU TensorFlow 2.9.1 (Amazon Linux 2) 20220817
ami-05f271938ea4f9121 (64-bit (x86))
Amazon Linux 2 LTS with SQL Server 2017 Standard
ami-02160391b456f1164 (64-bit (x86))
t2.micro
Free tier eligible
Compare instance types
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-090fa75af13c156b4
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage,
Cancel
Launch instance
Feedback
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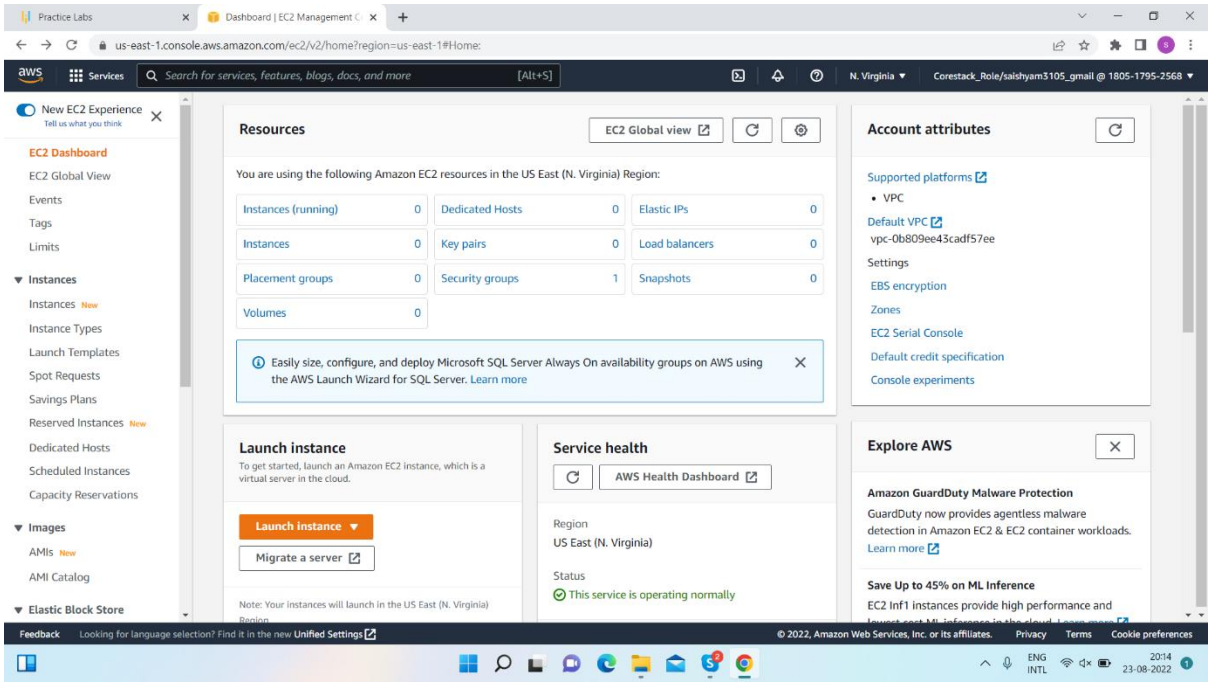
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Dashboard | EC2 Management
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Home:
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N. Virginia
Corestack_Role/saishyam3105_gmail @ 1805-1795-2568
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Scheduled Instances
Capacity Reservations
Images
AMIs New
AMI Catalog
Elastic Block Store
Resources
EC2 Global view
You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:
Instances (running) 0
Dedicated Hosts 0
Elastic IPs 0
Instances 0
Key pairs 0
Load balancers 0
Placement groups 0
Security groups 1
Snapshots 0
Volumes 0
Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. Learn more
Account attributes
Supported platforms
VPC
Default VPC
vpc-0b809ee43cadf57ee
Settings
EBS encryption
Zones
EC2 Serial Console
Default credit specification
Console experiments
Launch instance
To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.
Launch instance
Migrate a server
Note: Your instances will launch in the US East (N. Virginia) Region
Service health
AWS Health Dashboard
Region
US East (N. Virginia)
Status
This service is operating normally
Explore AWS
Amazon GuardDuty Malware Protection
GuardDuty now provides agentless malware detection in Amazon EC2 & EC2 container workloads.
Learn more
Save Up to 45% on ML Inference
EC2 Inf1 instances provide high performance and
Feedback
Looking for language selection? Find it in the new Unified Settings
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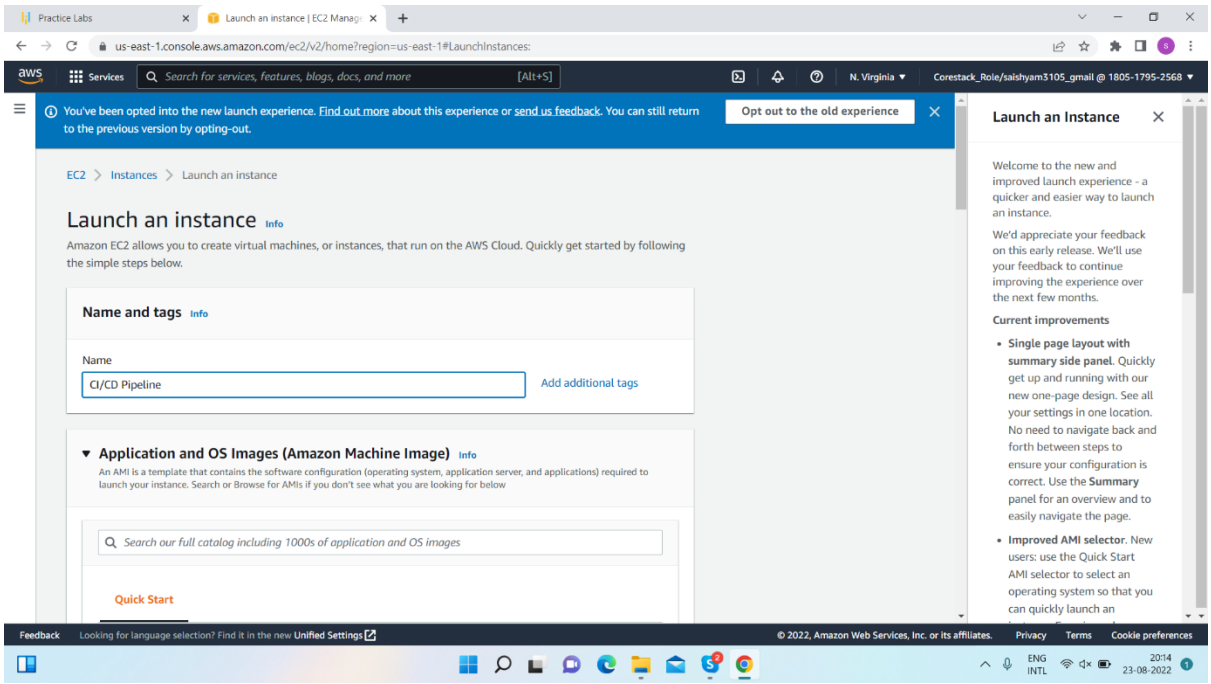
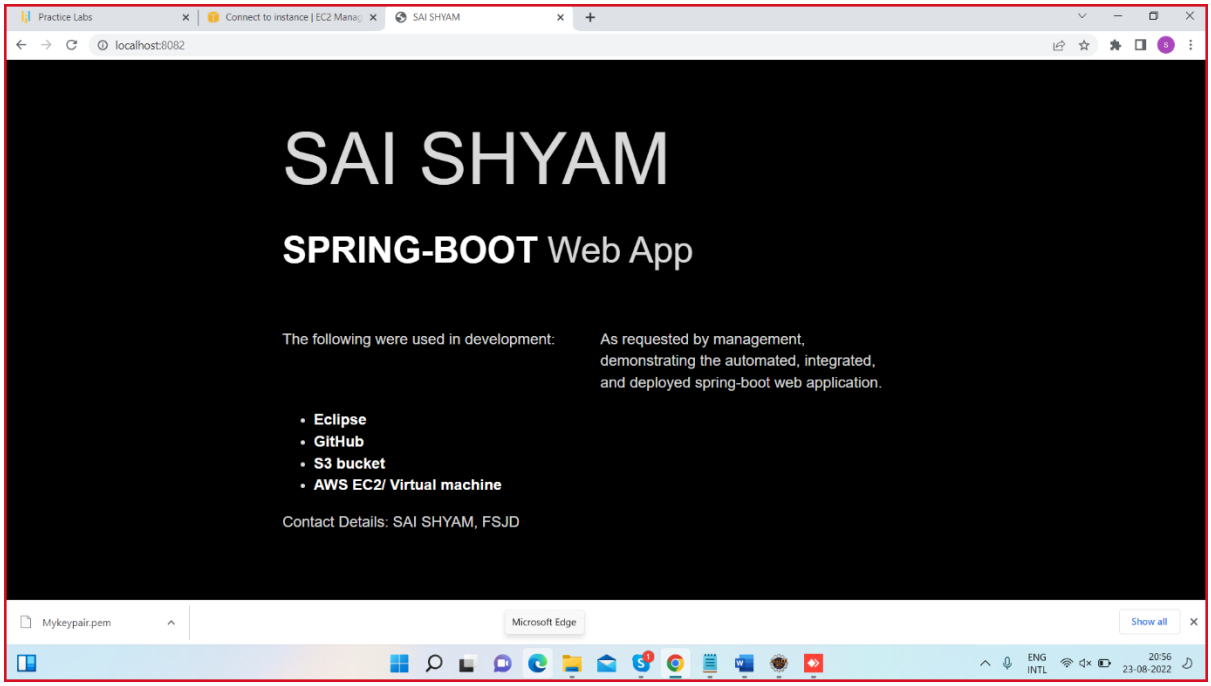
23-08-2022


Practice Labs
Launch an instance | EC2 Manag
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstances:
Services
Search for services, features, blogs, docs, and more
[Alt+S]
N. Virginia
Corestack_Role/saishyam3105_gmail @ 1805-1795-2568
You've been opted into the new launch experience. Find out more about this experience or send us feedback. You can still return to the previous version by opting-out.
Opt out to the old experience
EC2 > Instances > Launch an instance
Launch an instance Info
Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.
Name and tags Info
Name
CI/CD Pipeline
Add additional tags
Application and OS Images (Amazon Machine Image) Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Quick Start
Launch an Instance
Welcome to the new and improved launch experience - a quicker and easier way to launch an instance.
We'd appreciate your feedback on this early release. We'll use your feedback to continue improving the experience over the next few months.
Current improvements
Single page layout with summary side panel. Quickly get up and running with our new one-page design. See all your settings in one location. No need to navigate back and forth between steps to ensure your configuration is correct. Use the Summary panel for an overview and to easily navigate the page.
Improved AMI selector. New users: use the Quick Start AMI selector to select an operating system so that you can quickly launch an
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
ENG
INTL
20:14
23-08-2022


Practice Labs
Connect to instance | EC2 Manag
SAI SHYAM
localhost:8082
SAI SHYAM
SPRING-BOOT Web App
The following were used in development:
As requested by management, demonstrating the automated, integrated, and deployed spring-boot web application.
Eclipse
GitHub
S3 bucket
AWS EC2/ Virtual machine
Contact Details: SAI SHYAM, FSJD
Mykeypair.pem
Microsoft Edge
Show all
ENG
INTL
20:56
23-08-2022