

Activities

Google Chrome

Sat 18:11

Quiz: CMPE 281 - LAB #3

EC2 Management Console

Welcome to the Gumball

Welcome to the Gumball

CMPE-281/Lab 03.pdf at

https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#Instances:sort=instanceType

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aws

Services

Resource Groups

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Oregon

Support

EC2 Dashboard

Events

Tags

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INSTANCES

Instances

Launch Templates

Spot Requests

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Snapshots

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4
	tomcat-grails-2	i-0716c46b7f0c30b07	t2.micro	us-west-2b	running	2/2 checks ...	None	ec2-34-219-49-17.us-w...	34.21
	mysql-db	i-020db99cc7d03cde2	t2.micro	us-west-2b	running	2/2 checks ...	None	ec2-35-164-85-34.us-w...	35.16
		i-0226596ec2733c52e	t2.micro	us-west-2b	running	2/2 checks ...	None	ec2-35-164-85-34.us-w...	35.16
		i-0240141ff3e455e3b	t2.micro	us-west-2b	terminated		None		-
	tomcat-grails-1	i-03db804e7d2eac903	t2.micro	us-west-2b	running	2/2 checks ...	None	ec2-54-190-31-26.us-w...	54.19
		i-0646d6c6691d5152d	t2.micro	us-west-2b	terminated		None		-

Description

Status Checks

Monitoring

Tags

Instance ID

i-03db804e7d2eac903

Public DNS (IPv4)

ec2-54-190-31-26.us-west-2.compute.amazonaws.com

Instance state

running

IPv4 Public IP

54.190.31.26

Instance type

t2.micro

IPv6 IPs

-

Elastic IPs

Private DNS

ip-10-0-0-46.us-west-2.compute.internal

Availability zone

us-west-2b

Private IPs

10.0.0.46

Security groups

tomcat-grails. view inbound rules. view outbound rules

Secondary private IPs

Scheduled events

No scheduled events

VPC ID

vpc-0ec118a1fca3ef145

AMI ID

tomcat-grails-ami (ami-0de1f39357dc74140)

Subnet ID

subnet-05197cc5f7ae2c289

Feedback

English (US)

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Activities

Google Chrome

Sat 18:12

Quiz: CMPE 281 - LAB #3

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https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#Instances:sort=instanceType

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Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 I
<input type="checkbox"/>		i-00f3a244bf08a09ec	t2.micro	us-west-2b	terminated		None		-
<input type="checkbox"/>	tomcat-grails-2	i-01188abeb15c30b01	t2.micro	us-west-2b	running	2/2 checks ...	None	ec2-34-219-49-17.us-w...	34.219
<input checked="" type="checkbox"/>	mysql-db	i-020db99cc7d03cde2	t2.micro	us-west-2b	running	2/2 checks ...	None		-
<input type="checkbox"/>		i-0226596ec2733c52e	t2.micro	us-west-2b	running	2/2 checks ...	None	ec2-35-164-85-34.us-w...	35.164
<input type="checkbox"/>		i-0240141ff3e455e3b	t2.micro	us-west-2b	terminated		None		-
<input type="checkbox"/>	tomcat-grails-1	i-03db804e7d2eac903	t2.micro	us-west-2b	running	2/2 checks ...	None	ec2-54-190-31-26.us-w...	54.190

Description

Status Checks

Monitoring

Tags

Instance ID

Instance state

Instance type

Elastic IPs

Availability zone

Security groups

Scheduled events

AMI ID

Public DNS (IPv4)

IPv4 Public IP

IPv6 IPs

Private DNS

Private IPs

Secondary private IPs

VPC ID

Subnet ID

i-020db99cc7d03cde2

running

t2.micro

us-west-2b

db-mysql, default. view inbound rules. view outbound rules

No scheduled events

amzn-ami-hvm-2018.03.0.20181129-x86\_64-gp2 (ami-01e24be29428c15b2)

-

-

-

ip-10-0-1-44.us-west-2.compute.internal

10.0.1.44

vpc-0ec118a1fca3ef145

subnet-05aca963f720bebf2

Feedback

English (US)

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## Welcome to the Gumball Machine

```
Mighty Gumball, Inc.  
Java-enabled Standing Gumball  
Model# M102988  
Serial# 1234998871109  
Inventory: 997 gumballs  
Machine is waiting for quarter  
Server Name is ip-10-0-0-46
```



Insert Quarter

Turn Crank

Activities

Google Chrome

Sat 18:06

CMPE 281 - LAB #2 - AWS

EC2 Management Console

Welcome to the Gumball

Welcome to the Gumball

CMPE-281/Lab 03.pdf at

https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LoadBalancers:sort=loadBalancerName

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NETWORK & SECURITY

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

LOAD BALANCING

Load Balancers

Target Groups

AUTO SCALING

Launch Configurations

Create Load Balancer

Actions

Filter by tags and attributes or search by keyword

1 to 1 of 1

	Name	DNS name	State	VPC ID	Availability Zones	Type
	grails-apllicion-load-balancer	grails-apllicion-load-balance...		vpc-0ec118a1fca3ef145	us-west-2b	classic

Description

Instances

Health check

Listeners

Monitoring

Tags

Migration

Connection Draining: Enabled, 300 seconds (Edit)

Edit Instances

Instance ID	Name	Availability Zone	Status	Actions
i-03db804e7d2eac903	tomcat-grails-1	us-west-2b	InService	Remove from Load Balancer
i-01188abeb15c30b01	tomcat-grails-2	us-west-2b	InService	Remove from Load Balancer

Edit Availability Zones

Availability Zone	Subnet ID	Subnet CIDR	Instance Count	Healthy?	Actions
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Feedback

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Activities

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Sat 18:06

CMPE 281 - LAB #2 - AWS

EC2 Management Console

Welcome to the Gumball

Welcome to the Gumball

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https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LoadBalancers:sort=loadBalancerName

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1 to 1 of 1

	Name	DNS name	State	VPC ID	Availability Zones	Type
	grails-aplliction-load-balancer	grails-aplliction-load-balance...		vpc-0ec118a1fca3ef145	us-west-2b	classic

Description

Instances

Health check

Listeners

Monitoring

Tags

Migration

Basic Configuration

Name

grails-aplliction-load-balancer

\* DNS name

grails-aplliction-load-balancer-1197181428.us-west-2.elb.amazonaws.com (A Record)

Type

Classic (Migrate Now)

Scheme

internet-facing

Availability Zones

subnet-05197cc5f7ae2c289 - us-west-2b

Creation time

February 23, 2019 at 6:00:49 PM UTC-8

Hosted zone

Z1H1FL5HABSF5

Status

2 of 2 instances in service

VPC

vpc-0ec118a1fca3ef145

Feedback

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# Welcome to the Gumball Machine

```
-----  
Mighty Gumball, Inc.  
Groovy-Enabled Standing Gumball  
Model# M102988  
Serial# 1234998871109  
-----  
Gumball Machine: gumball.GumballMachine@11eb3ee  
Current State: gumball.NoCoinState@718a69df  
Server Name/IP: 10.0.0.125
```



# Welcome to the Gumball Machine

```
-----  
Mighty Gumball, Inc.  
Groovy-Enabled Standing Gumball  
Model# M102988  
Serial# 1234998871109  
-----  
Gumball Machine: gumball.GumballMachine@14852e43  
Current State: gumball.NoCoinState@50377e09  
Server Name/IP: 10.0.0.46
```



- **Did the Grails Gumball V2 App work as expected under load balancing?**

Yes

- **What happens when you turn on Sticky Sessions?**

When sticky session was enabled, request made to the load balancer went to the same instance for given time period. I set the sticky time session to 20 sec, so for 20 sec the request went to the same instance and after 20 sec, they were directed to different instance.