

CS356 -lab06:1a - Branden-Codd, 940428984

1. Elastic Beanstalk

- No screenshots or observations

2. Running the application

Ebhello-env


Ebhello-env.eba-zcprymu.us-east-1.elasticbeanstalk.com [e-gyvk4zckp]

Application name: eb-hello

Refresh

Actions

Health



Ok


Causes

Running version

Sample Application

Upload and deploy

Platform



Python 3.7 running on 64bit Amazon Linux 2/3.1.5

Change

Recent events

Show all

< 1 >





Time	Type	Details
2021-02-15 20:46:05 UTC-0800	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 39 seconds ago and took 4 minutes.
2021-02-15 20:45:20 UTC-0800	INFO	Successfully launched environment: Ebhello-env
2021-02-15 20:45:18 UTC-0800	INFO	Application available at Ebhello-env.eba-zcprymu.us-east-1.elasticbeanstalk.com.
2021-02-15 20:44:47 UTC-0800	INFO	Instance deployment completed successfully.
2021-02-15 20:44:44 UTC-0800	INFO	Instance deployment successfully generated a 'Procfile'.

3. Handling failures seamlessly

Successfully terminated i-04c5c16971e58421b

Instances (1/2) Info

Filter instances

	Name	Instance ID	Instance state	Instance type	Status check
<input checked="" type="checkbox"/>	Ebhello-env	i-04c5c16971e58421b	 Running	t2.micro	 2/2 checks ...
<input type="checkbox"/>	Ebhello-env	i-0d2211181c922bacb	 Running	t2.micro	 2/2 checks ...

- Take a screenshot of the replacement VM being started.

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs	Monitoring	Security group name	Key name
<input type="checkbox"/>	Ebhello-env	i-04c5c16971e58421b	 Terminated	t2.micro	-	 1 alarm...	us-east-1b	-	-	-	-	disabled	-	-
<input type="checkbox"/>	Ebhello-env	i-0d2211181c922bacb	 Running	t2.micro	 2/2 checks ...	 1 alarm...	us-east-1c	ec2-54-221-153-237...	54.221.153.237	-	-	disabled	aws-sg-e-gyvk4zckp-s...	-
<input type="checkbox"/>	Ebhello-env	i-0aceddfdd6316429	 Running	t2.micro	 2/2 checks ...	 1/1 h...	us-east-1d	ec2-54-255-187.ab...	3.94.255.187	-	-	disabled	aws-sg-e-gyvk4zckp-s...	-

4. Elastic Beanstalk Guestbook

- No screenshots or observations

5. Elastic Beanstalk CLI in Cloud9

```
guestbook-env-eb3-2kxj6b9w.us-east-1.elasticbeanstalk.com
Printing Status:
2021-02-16 05:14:34 INFO createEnvironment is starting.
2021-02-16 05:14:35 INFO Using elasticbeanstalk-us-east-1-254446b32854 as Amazon S3 storage bucket for environment data.
2021-02-16 05:14:37 INFO Created security group named: sg-8f933a8810f42732
2021-02-16 05:15:11 INFO Created load balancer named: mesh-e-1-865281a2-39E3LLUQ75Z
2021-02-16 05:15:13 INFO Created security group named: mesh-e-1awwyv8d48-stack-AWSCSecurityGroup-3ALD2G9W8J0V
2021-02-16 05:15:13 INFO Created Auto Scaling launch configuration named: mesh-e-1awwyv8d48-stack-AWSCAutoScalingLaunchConfiguration-3968C77P3XNM
2021-02-16 05:15:16 INFO Created Auto Scaling group named: mesh-e-1awwyv8d48-stack-AWSCAutoScalingGroup-M656V8M751G
2021-02-16 05:15:16 INFO Waiting for EC2 instances to launch. This may take a few minutes.
2021-02-16 05:15:16 INFO Created Auto Scaling group policy named: arn:aws:autoscaling:us-east-1:254446b32854:scalingPolicy:b2153b9e-ba3b-488b-9325-a8f56e56dc1:autoScalingGroup/mesh-e-1awwyv8d48-stack-AWSCAutoScalingGroup-M656V8M751G:policy/mesh-e-1awwyv8d48-stack-AWSCAutoScalingGroup-M656V8M751G:1XLL3F88BCL7
2021-02-16 05:15:16 INFO Created Auto Scaling group policy named: arn:aws:autoscaling:us-east-1:254446b32854:scalingPolicy:8c86dd8f-3aa1-4455-488b-76d355c4f0f:autoScalingGroup/mesh-e-1awwyv8d48-stack-AWSCAutoScalingGroup-M656V8M751G:policy/mesh-e-1awwyv8d48-stack-AWSCAutoScalingGroup-M656V8M751G:M5523280W6
2021-02-16 05:15:32 INFO Created CloudWatch alarm named: mesh-e-1awwyv8d48-stack-AWSCCloudWatchAlarm-VLPFC0203C
2021-02-16 05:17:39 INFO Application available at guestbook-env-eb3-2kxj6b9w.us-east-1.elasticbeanstalk.com.
2021-02-16 05:17:39 INFO Successfully launched environment guestbook-env
(env) root@elasticbeanstalk:~/awscli$ aws elasticbeanstalk create-environment --application-name guestbook-env --profile elasticbeanstalk --region us-east-1 --tags Key=Value --type Java --version-label Java8 --wait --wait-seconds 300 --wait-until-success
```

6. Deploying the Guestbook

- Take a screenshot of the Guestbook including the URL with the entry in it.

← → ↻ ⚠ Not secure | guestbook-env-eb3-2kxj6b9w.us-east-1.elasticbeanstalk.com

Guestbook

Sign [here](#)

Entries

Branden Codd <codd@sou.edu>
signed on 2021-02-10 18:08:50.527620
Hello DynamoDB

Branden Codd <codd@sou.edu>
signed on 2021-02-11 02:18:14.824012
Hello Docker DynamoDB

Branden r codd <codd@sou.edu>
signed on 2021-02-11 02:35:23.289432
Hello Cloud9!

Branden Codd <codd@sou.edu>
signed on 2021-02-11 02:47:35.679140
Hello EC2!

Branden r codd <codd@sou.edu>
signed on 2021-02-16 05:26:59.307395
Hello Elastic Beanstalk!

- Then, visit the EC2 console to see that the specified minimum number of instances has been created and take a screenshot of them.

Instances (4) info

Filter instances

Instance state (client): terminated

Clear filters

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs	Monitoring	Security group name	Key name
<input type="checkbox"/>	guestbook-env	i-060a15ba467de726	Running	t2.micro	2/2 checks ...	1 alarm ...	us-east-1b	ec2-52-207-248-216...	52.207.248.216	-	-	disabled	aws-ec2-aws-ec2-...	-
<input type="checkbox"/>	guestbook-env	i-0b8a8ffa39c88ac2	Running	t2.micro	2/2 checks ...	1 alarm ...	us-east-1c	ec2-54-152-21-147...	54.152.21.147	-	-	disabled	aws-ec2-aws-ec2-...	-
<input type="checkbox"/>	aws-cloud9-L...	i-026a305883c5e7ec	Running	t2.micro	2/2 checks ...	1 alarm ...	us-east-1f	ec2-3-235-183-131...	3.235.183.131	-	-	disabled	aws-cloud9-lab06-1a...	-
<input type="checkbox"/>	guestbook-env	i-0c2c4618e29c28414	Running	t2.micro	2/2 checks ...	1 alarm ...	us-east-1d	ec2-34-204-98-194...	34.204.98.194	-	-	disabled	aws-ec2-aws-ec2-...	-