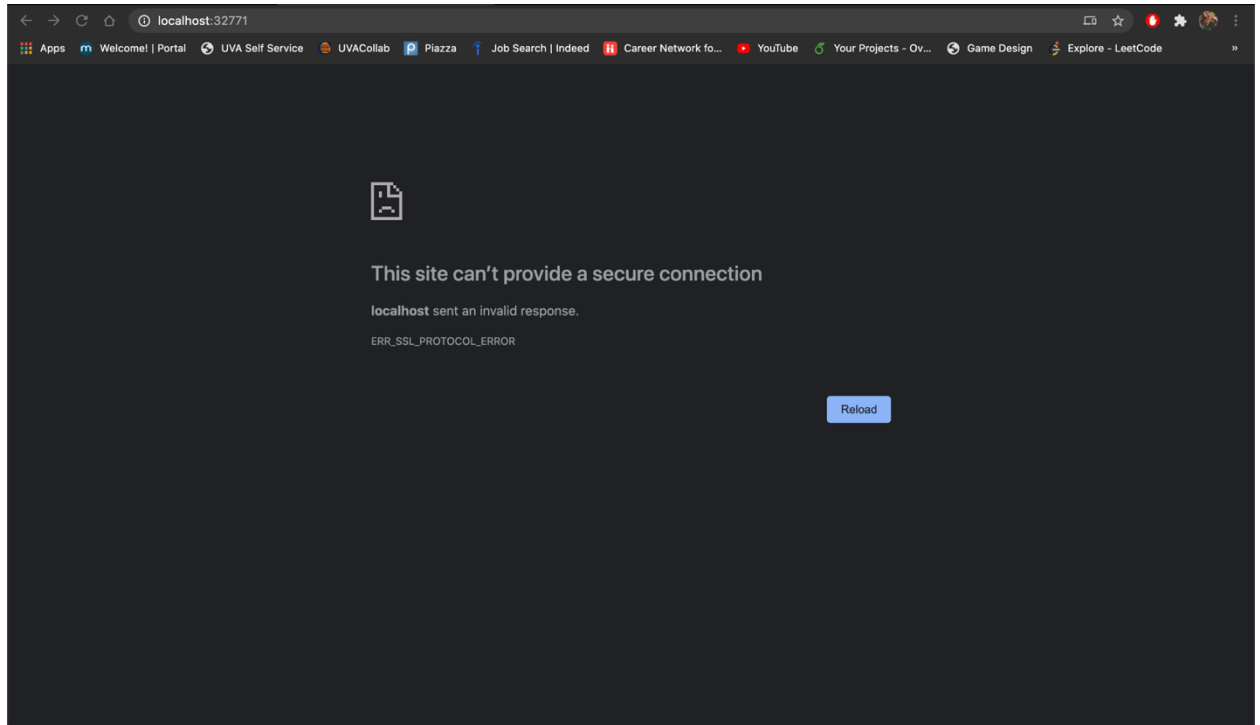


1) PA 4 Can't Access Webpage

Is anyone getting this? I followed the tutorial step by step, getting everything that I should be, but I can't access the webpage.



Solution:

- (1) use same port from the tutorial.
- (2) Nvm, the issue was i was using https instead of http.

- 2) I've been stuck on the last deliverable for the past couple of hours and I was unable to attend office hours. I've been stuck on the aws-compose.yml file portion of the homework. I've done all the steps up to that point. I tried adding "--create-log-groups" to the end of the command and it still does not work. My partner is running into the same issue, so I was hoping that we could figure out what the issue was. We made a key-pair value and made our cluster. I cannot get past this one command. Thank you.

Solution:

- (1) did you configured the access key and secret key properly as mentioned in the slide?

Student: I have done that from the slides. I went to my security credentials and placed them where they needed to be

- 3) Good note by student:

Go to <https://console.aws.amazon.com/ec2autoscaling/home> to see if you have an entry there. If there is one, delete it. I discovered that my foodtruck EC2 instance keeps coming back even though I terminated it, and it seems like the auto scaling option (probably set via the parameter --size 1 when running ecs-cli

up) is the reason behind that. (Just to play safe, I deleted the entry in Launch configurations after that.) Then, you can terminate your EC2 instance again.

- 4) When I run this command: `ecs-cli up --keypair ecs --capability-iam --size 1 --instance-type t2.medium`. I get this error:


FATA[0000] Error executing 'up': describe instance type offerings: UnauthorizedOperation: You are not authorized to perform this operation.


status code: 403, request id: 626d0716-49e3-4386-bb7c-a29da9ea0280. I tried changing the size to 2 and the instance type to t2.micro. I used these access keys for the user I created to configure it:


I also used this tutorial to configure it:

https://docs.aws.amazon.com/AmazonECS/latest/developerguide/ECS_CLI_Configuration.html. When I run the previous command `ecs-cli configure --region us-east-1 --cluster foodtrucks` I get this:

INFO[0000] Saved ECS CLI cluster configuration default.

 Download .csv

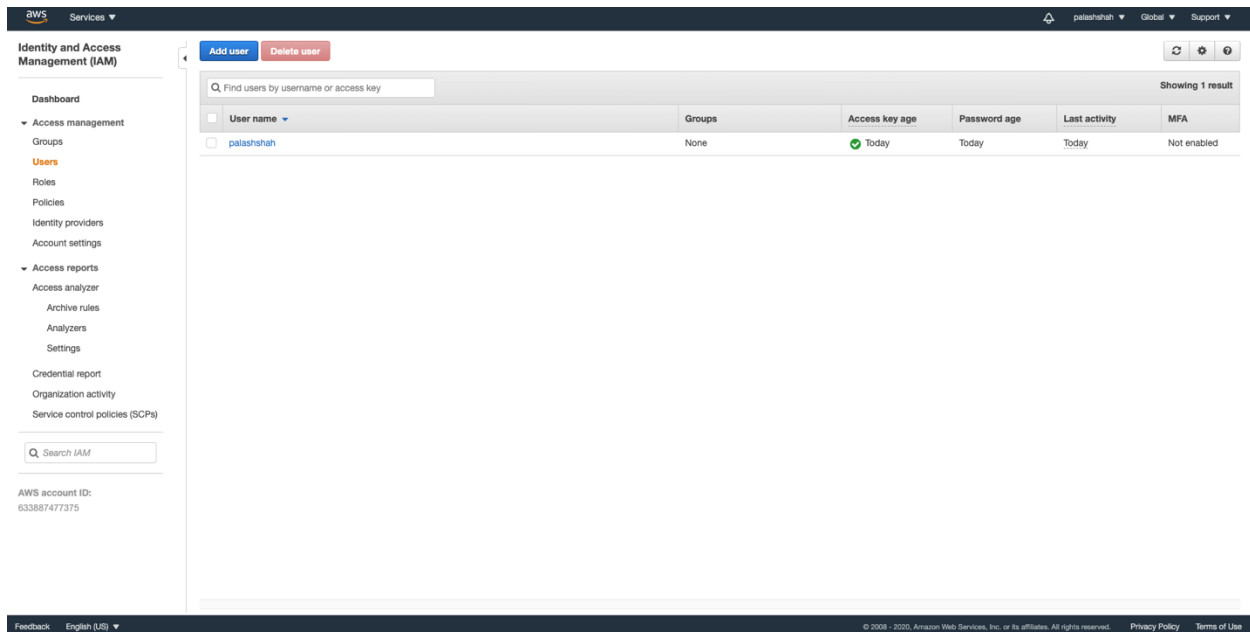
	User	Access key ID	Secret access key	Password	Email login instructions
▼	✓ palashshah	AKIAZHFDJZ7ZXOAVZRE	bileqpoeDSHpat9Lplj52js18 VAmCEdLWol69adM Hide	60'Igl'x1RM}qsj Hide	Send email 

 Created user palashshah

Solution:

Instructor: can you try creating the access key on i-am role in aws?

Student: didn't I already do this creation of the role?



should i be adding tags to this or something?

instructor: I think creating tags will not be necessary. We can check the error during office hour.

Student: should I be using --ecs-profile? how?

Instructor: I dont think it should be necessary. It seems it is not recognizing the keypair name. Can you check the name of your key pair?

student: maybe i'm not getting the access key correctly? where should i be getting this from?

Instructor: As mentioned in the tutorial, there are two steps:

The first step will involve creating a profile that we'll use for the rest of the tutorial. To continue, you'll need your `AWS_ACCESS_KEY_ID` and `AWS_SECRET_ACCESS_KEY`. To obtain these, follow the steps as detailed under the section titled Access Key and Secret Access Key from the security credentials as PA3.

Next, we need to get a keypair which we'll be using to log into the instances. Head over to your EC2 Console and create a new keypair. Download the keypair and store it in a safe location. Another thing to note before you move away from this screen is the region name. In my case, I have named my key - ecs and set my region as us-east-1. This is what I'll assume for the rest of this walkthrough.

5) key pair ecstatics does not exist error

```
johanketkar@i-172-25-231-10:~/School/CloudComputing/PA4/FoodTrucks$ ecs-cli up --keypair ecs --capability-iam --size 2 --instance-type t2.medium --force
INFO[0001] Using recommended Amazon Linux 2 AMI with ECS Agent 1.46.0 and Docker version 19.03.6-ce
INFO[0001] Created cluster                               cluster=foodtrucks region=us-east-1
INFO[0002] Waiting for your CloudFormation stack resources to be deleted...
INFO[0002] Cloudformation stack status                    stackStatus=DELETE_IN_PROGRESS
INFO[0033] Waiting for your cluster resources to be created...
INFO[0033] Cloudformation stack status                    stackStatus=CREATE_IN_PROGRESS
INFO[0094] Cloudformation stack status                    stackStatus=CREATE_IN_PROGRESS
INFO[0154] Cloudformation stack status                    stackStatus=CREATE_IN_PROGRESS
ERROR[0159] Failure event                                reason="The key pair 'ecs' does not exist (Service: AmazonAutoScaling; Status Code: 400; Error Code: ValidationError; Req
uest ID: 74b3aec8-0264-4710-a11f-f76c4b505c8b; Proxy: null)" resourceType="AWS::AutoScaling::LaunchConfiguration"
FATA[0189] Error executing 'up': CloudFormation failure waiting for 'CREATE_COMPLETE'. State is 'ROLLBACK_IN_PROGRESS'
johanketkar@i-172-25-231-10:~/School/CloudComputing/PA4/FoodTrucks$
```

Solution:

Instructor: Did you configure the key as mentioned in the slide?

Student: yes

Instructor: Did you create a key pair named ecs for ec2 instance as mentioned in the tutorial?

Student: nope. that was the problem thanks Tanmoy

6) PA4 Can't get rid of static-site

No matter what I do, the "Hello Docker!" static-site always appears on localhost:8888

I've stopped and removed all docker containers, and it still sometimes shows up. When I try to build my catnip image and go to localhost:8888 (to see the cat gif) the static-site shows up again.

I'm at a loss for why this is happening. I even removed all my docker images, restarted the tutorial and checked localhost:8888 when I got past the 'docker run -it busybox sh' command (before the static-site section) and the "Hello Docker!" page still showed up. This webpage is haunting me.

Has this happened to anyone else?

Solution:

Yes, I was having the same issue -- localhost kept going to the Docker tutorial that first appears when you get Docker Desktop. I found [this](#) on Stack Overflow and it helped me resolve the issue.

7) Not enough storage

I tried changing the command to

```
ecs-cli up --keypair ecs --capability-iam --size 1 --instance-type t2.medium
```

And changing the value in the .yaml file to 1004144000

But am still getting this error every time:

```
INFO[0000] Using ECS task definition           TaskDefinition="aws-ecs:2"
INFO[0000] Auto-enabling ECS Managed Tags
INFO[0000] Couldn't run containers            reason="RESOURCE:MEMORY"
```

I'm on a Mac and it has like 65 GB of storage available, is that not enough? What can I do to get around this? I do not think I can delete anymore things.

Solution:

I was able to get it to work, I had only changed one of the mem_limit to 1004144000 but I needed to change both in the .yaml file.

Plus run this command at the end when doing compose up

--create-log-groups

8) Task failed to start

After I ran the `ecs-cli compose --file aws-compose.yml` up, I got task failed to start. The messages I received in the terminal were starting container, describe container, and stopped container. I was expecting started container instead of stopped. Does anyone know what may be causing this?

Thanks

Solution:

I ran this command at the end of that and it worked

--create-log-groups

9) PA aws-compose.yml

For 3.4, I don't see `aws-compose.yml` I only have `docker-compose.yml`

Did I do something wrong?

Solution:

(1) It's the `docker-compose` file in the `aws-eli` folder in food trucks. I guess they assume you will rename it but it's not necessary to do that

(2) This file should be inside `foodtrucks` directory after you clone the directory using the command `git clone https://github.com/prakhar1989/FoodTrucks`

10) ecs-cli compose up never starts

For the last part of the tutorial, I followed the suggestions in the document of changing the memory size of the containers to 1004144000 as well as having a `t2.medium` instance but I still get the containers are stopped. Are there any other fixes to this problem?

```
INFO[0000] Using ECS task definition           TaskDefinition="aws-ecs:1"
INFO[0000] Auto-enabling ECS Managed Tags
INFO[0000] Starting container...
INFO[0000] Starting container...
INFO[0000] Describe ECS container status      container=foodtrucks/f29d1c85a0a54c8b6528e79f13ccc29/web
INFO[0000] Describe ECS container status      container=foodtrucks/f29d1c85a0a54c8b6528e79f13ccc29/es
INFO[0013] Describe ECS container status      container=foodtrucks/f29d1c85a0a54c8b6528e79f13ccc29/web desiredStatus=RUNNING lastStatus=PENDING taskDefinition="aws-ecs:1"
INFO[0026] Describe ECS container status      container=foodtrucks/f29d1c85a0a54c8b6528e79f13ccc29/web desiredStatus=RUNNING lastStatus=PENDING taskDefinition="aws-ecs:1"
INFO[0026] Describe ECS container status      container=foodtrucks/f29d1c85a0a54c8b6528e79f13ccc29/es desiredStatus=RUNNING lastStatus=PENDING taskDefinition="aws-ecs:1"
INFO[0031] Stopped container...               container=foodtrucks/f29d1c85a0a54c8b6528e79f13ccc29/web desiredStatus=STOPPED lastStatus=STOPPED taskDefinition="aws-ecs:1"
INFO[0031] Stopped container...               container=foodtrucks/f29d1c85a0a54c8b6528e79f13ccc29/es desiredStatus=STOPPED lastStatus=STOPPED taskDefinition="aws-ecs:1"
```

Solution:

Also run the command `ecs-cli up` by adding the following at the end when doing `compose up`

`--create-log-groups`

11) PA4 Step 3.4

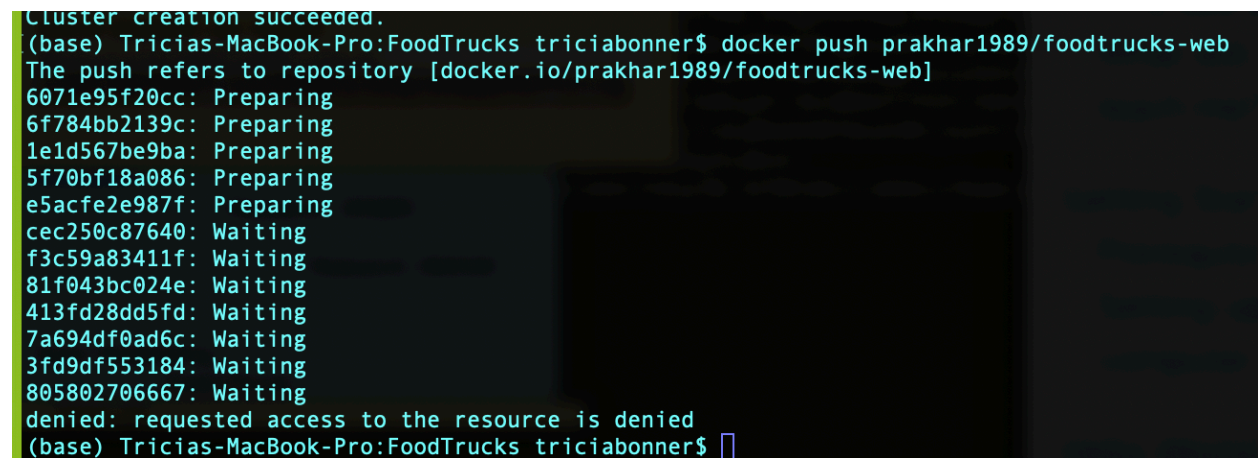
Do we have to create new AWS security credentials or do we use the ones from PA3? I keep getting permission denied when I try to run this command

```
ecs-cli configure profile --profile-name
profile_name --access-key $AWS_ACCESS_KEY_ID --
secret-key $AWS_SECRET_ACCESS_KEY
```

Solution:

student: I don't think you configured `ecs-cli` properly, make sure you do all 4 steps and setup `chmod` correctly

12) PA4 Denied Error



```
Cluster creation succeeded.
(base) Tricias-MacBook-Pro:FoodTrucks triciabonner$ docker push prakhar1989/foodtrucks-web
The push refers to repository [docker.io/prakhar1989/foodtrucks-web]
6071e95f20cc: Preparing
6f784bb2139c: Preparing
1e1d567be9ba: Preparing
5f70bf18a086: Preparing
e5acfe2e987f: Preparing
cec250c87640: Waiting
f3c59a83411f: Waiting
81f043bc024e: Waiting
413fd28dd5fd: Waiting
7a694df0ad6c: Waiting
3fd9df553184: Waiting
805802706667: Waiting
denied: requested access to the resource is denied
(base) Tricias-MacBook-Pro:FoodTrucks triciabonner$
```

I keep getting this error, is there a way to fix it? I tried restarting clusters and using different access keys, but this keeps happening.

Soluton:

Please use your dockerhub user name in place of the `prakhar1989` while executing the command

13) Error when running `docker-compose up` (PA4)

Hi, for some reason, everytime I run `docker-compose up`, I run into this error:

```

~/foodtrucks$ docker-compose up
> docker-compose up
Creating network "foodtrucks_default" with the default driver
Creating volume "foodtrucks_esdata1" with local driver
Creating es ... done
Creating foodtrucks_web1 ... done
Attaching to es, foodtrucks_web1
es | OpenJDK 64-Bit Server VM warning: Option UseConcMarkSweepGC was deprecated in version 9.0 and will likely be removed in a future release.
es | [2028-18-25T19:38:38.453] INFO [l.o.e.n.Node] [] initializing ...
es | [2028-18-25T19:38:38.738] INFO [l.o.e.n.NodeEnvironment] [l.c.m-n] using [1] data paths, mounts [{/usr/share/elasticsearch/data (/dev/vda1)}], net usable_space [51.1gb], net total_space [58.4gb], types [ext4]
es | [2028-18-25T19:38:38.739] INFO [l.o.e.n.NodeEnvironment] [l.c.m-n] heap size [1807.3mb], compressed ordinary object pointers [true]
es | [2028-18-25T19:38:38.743] INFO [l.o.e.n.Node] [l.c.m-n] node name derived from node ID [l.c.m-n-c53vCa7aiADU3B8l]; set [node.name] to override
es | [2028-18-25T19:38:38.743] INFO [l.o.e.n.Node] [l.c.m-n] version [6.3.2], pid [1], build[elasticsearch/637769/2018-09-20T15:28:23.453322Z/OSLinux/4.19.76-linuxkit/amd64], JVM[Oracle Corporation/OpenJDK 64-Bit Server VM/10.0.2/10.0.2-13]
es | [2028-18-25T19:38:38.745] INFO [l.o.e.n.Node] [l.c.m-n] JVM arguments [-Xms1g, -Xmx1g, -XX:UseConcMarkSweepGC, -XX:CMSInitiatingOccupancyOnly, -XX:AlwaysPreTouch, -Xss1m, -Djava.net.preferIPv4stack=true, -Dfile.encoding=UTF-8, -Djava.nashorn.trace, -XX:-DattestraceInPathThrow, -Dio.netty.noUnsafe=true, -Dio.netty.noKeySetOptimization=true, -Dio.netty.recycler.maxCapacityPerThread=0, -Dlog4j2.disable.jmx=true, -Djava.io.tmpdir=/tmp/elasticsearch-1, failIfOver -XX:HeapDumpOnOutOfMemoryError, -XX:HeapDumpPath=data, -XX:ErrorFile=logs/es_err_pid%o.log, -Xloggc:/gc-heap-trace, safepoint:file:logs/gc-logs.txt:time,pid,tag:filecount%2,filesize=kmb, -Djava.locale.providers=CF, -XX:UseAlto2, -Dgc.cgroups.hierarchy.override=, -Des.path.home=/usr/share/elasticsearch, -Des.path.conf=/usr/share/elasticsearch/config, -Des.distribution.flavor=default, -Des.distribution.type=tar]
es | [2028-18-25T19:38:38.464] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [app-metric-data]
es | [2028-18-25T19:38:38.465] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [analysis-common]
es | [2028-18-25T19:38:38.467] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [lang-expression]
es | [2028-18-25T19:38:38.468] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [lang-mustache]
es | [2028-18-25T19:38:38.468] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [lang-painless]
es | [2028-18-25T19:38:38.470] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [mapper-entries]
es | [2028-18-25T19:38:38.470] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [parent-join]
es | [2028-18-25T19:38:38.471] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [percolator]
es | [2028-18-25T19:38:38.472] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [reindex]
es | [2028-18-25T19:38:38.473] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [repository-url]
es | [2028-18-25T19:38:38.473] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [transport-netty4]
es | [2028-18-25T19:38:38.475] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [tribe]
es | [2028-18-25T19:38:38.476] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-core]
es | [2028-18-25T19:38:38.477] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-deprecation]
es | [2028-18-25T19:38:38.478] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-graph]
es | [2028-18-25T19:38:38.479] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-logstash]
es | [2028-18-25T19:38:38.479] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-mll]
es | [2028-18-25T19:38:38.479] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-monitoring]
es | [2028-18-25T19:38:38.479] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-rollup]
es | [2028-18-25T19:38:38.480] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-security]
es | [2028-18-25T19:38:38.481] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-sql]
es | [2028-18-25T19:38:38.481] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-upgrade]
es | [2028-18-25T19:38:38.482] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded module [x-pack-watcher]
es | [2028-18-25T19:38:38.487] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded plugin [ingest-geoip]
es | [2028-18-25T19:38:38.488] INFO [l.o.e.p.PlugInService] [l.c.m-n] loaded plugin [ingest-user-agent]
es | [2028-18-25T19:38:38.487] INFO [l.o.e.x.s.a.s.FileStore] [l.c.m-n] parsed [0] roles from file [/usr/share/elasticsearch/config/roles.yml]
es | [2028-18-25T19:38:40.871] INFO [l.o.e.d.DiscoveryModule] [l.c.m-n] using discovery type [single-node]
es | [2028-18-25T19:38:41.863] INFO [l.o.e.n.Node] [l.c.m-n] initialized
es | [2028-18-25T19:38:41.865] INFO [l.o.e.n.Node] [l.c.m-n] starting ...
es | [2028-18-25T19:38:42.226] INFO [l.o.e.t.TransportService] [l.c.m-n] publish_address [172.22.0.2:9300], bound_addresses [0.0.0.0:9300]
es | [2028-18-25T19:38:42.335] INFO [l.o.e.x.s.t.s.SecurityMetadataServiceTransport] [l.c.m-n] publish_address [172.22.0.2:9300], bound_addresses [0.0.0.0:9300]
es | [2028-18-25T19:38:42.337] INFO [l.o.e.n.Node] [l.c.m-n] started
es | [2028-18-25T19:38:42.460] WARN [l.o.e.x.s.n.NativeHeapInspector] [l.c.m-n] Failed to clear cache for realms [1]
es | [2028-18-25T19:38:42.781] INFO [l.o.e.g.GatewayService] [l.c.m-n] recovered [0] indices into cluster_state
es | [2028-18-25T19:38:42.155] INFO [l.o.e.c.n.MetadataIndexTemplateService] [l.c.m-n] adding template [watcher-history-7] for index patterns [watcher-history-7*]
es | [2028-18-25T19:38:42.240] INFO [l.o.e.c.n.MetadataIndexTemplateService] [l.c.m-n] adding template [watcher] for index patterns [watcher*]
es | [2028-18-25T19:38:42.270] INFO [l.o.e.c.n.MetadataIndexTemplateService] [l.c.m-n] adding template [triggered_watches] for index patterns [triggered_watches*]
es | [2028-18-25T19:38:42.480] INFO [l.o.e.c.n.MetadataIndexTemplateService] [l.c.m-n] adding template [monitoring-logstash] for index patterns [monitoring-logstash-6-*]
es | [2028-18-25T19:38:42.620] INFO [l.o.e.c.n.MetadataIndexTemplateService] [l.c.m-n] adding template [monitoring-el] for index patterns [monitoring-es-6-*]
es | [2028-18-25T19:38:42.627] INFO [l.o.e.c.n.MetadataIndexTemplateService] [l.c.m-n] adding template [monitoring-alerts] for index patterns [monitoring-alerts-6-*]
es | [2028-18-25T19:38:42.760] INFO [l.o.e.c.n.MetadataIndexTemplateService] [l.c.m-n] adding template [monitoring-beats] for index patterns [monitoring-beats-6-*]
es | [2028-18-25T19:38:42.581] INFO [l.o.e.c.n.MetadataIndexTemplateService] [l.c.m-n] adding template [monitoring-kibana] for index patterns [monitoring-kibana-6-*]
es | [2028-18-25T19:38:42.656] INFO [l.o.e.l.LicenseService] [l.c.m-n] license [72f6dea-9981-47b0-a877-74b1e9b3b33b] mode [basic] - valid
es | web_1 Unable to connect to ES. Retrying in 5 secs...
es | web_1 Unable to connect to ES. Retrying in 5 secs...
es | web_1 Unable to connect to ES. Retrying in 5 secs...
es | web_1 Set of retries. Exiting pt...
Foodtrucks_web1 exited with code 1

```

This is my docker-compose.yml (no changes from tutorial)

```

version: "3"
services:
  es:
    image: docker.elastic.co/elasticsearch/elasticsearch:6.3.2
    container_name: es
    environment:
      - discovery.type=single-node
    ports:
      - 9200:9200
    volumes:
      - esdata1:/usr/share/elasticsearch/data
  web:
    image: prakhar1989/foodtrucks-web
    command: python3 app.py
    depends_on:
      - es
    ports:
      - 5000:5000
    volumes:
      - ./flask-app:/opt/flask-app
  volumes:
    esdata1:
      driver: local

```


Please let me know what sources of error there could be. Thank you!

Solution:

"I found out that you had to go to app.py in flask_app folder and change the time.sleep(5) to time.sleep(15)! This worked! "

14) PA4 stopped containers

Is there anything else we can do to fix the "Stopped container" error at the end of the tutorial?

I am already creating the instance as t2.medium, and the memory size for both containers is

1004144000 bytes. I have way more than enough storage and RAM on my machine to handle docker so that's not the problem.

```
fish /Users/rickeyguo/FoodTrucks/aws-ecs
FoodTrucks/aws-ecs on  master [!] is v19.83.13 took 30s 949ms
+ ecs-cli compose up
INFO[0000] Using ECS task definition
INFO[0001] Starting container...
INFO[0001] Starting container...
INFO[0001] Describe ECS container status
INFO[0001] Describe ECS container status
INFO[0007] Stopped container...
INFO[0007] Stopped container...

TaskDefinition="aws-ecs:3"
container=e916d241-f410-4e43-9ba4-2ca4ad9c8f1a/es
container=e916d241-f410-4e43-9ba4-2ca4ad9c8f1a/web
container=e916d241-f410-4e43-9ba4-2ca4ad9c8f1a/es desiredStatus=RUNNING lastStatus=PENDING taskDefinition="aws-ecs:3"
container=e916d241-f410-4e43-9ba4-2ca4ad9c8f1a/web desiredStatus=RUNNING lastStatus=PENDING taskDefinition="aws-ecs:3"
container=e916d241-f410-4e43-9ba4-2ca4ad9c8f1a/es desiredStatus=STOPPED lastStatus=STOPPED taskDefinition="aws-ecs:3"
container=e916d241-f410-4e43-9ba4-2ca4ad9c8f1a/web desiredStatus=STOPPED lastStatus=STOPPED taskDefinition="aws-ecs:3"
```

Solution:

Instructor: Can you please post the error log so that we can see the reason behind the stopped container?

Student: That would be from the CloudWatch Management Console not running "docker container logs" locally right?

I figured it out. I was reading the documentation on getting error logs on this [page](#) and realized that I was failing to create log groups properly. The solution is to include an option in the Amazon ECS task definitions: "awslogs-create-group", which is also the command that resolved [@227](#).

15) In the docker tutorial, when we're supposed to create the dockerfile for catnip I keep getting this error in my terminal:

```
my_username@name-MacBook-Pro desktop % docker build -t my_username/catnip .
```

```
[+] Building 0.0s (2/2) FINISHED
```

```
=> [internal] load build definition from Dockerfile 0.0s
```

```
=> => transferring dockerfile: 2B 0.0s
```


=> [internal] load .dockerignore 0.0s

=> => transferring context: 2B 0.0s

failed to solve with frontend dockerfile.v0: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount208835202/Dockerfile: no such file or directory

Here is where I am in the tutorial:

The primary purpose of `CMD` is to tell the container which command it should run when it is started. With that, our `Dockerfile` is now ready. This is how it looks -

```
FROM python:3

# set a directory for the app
WORKDIR /usr/src/app

# copy all the files to the container
COPY . .

# install dependencies
RUN pip install --no-cache-dir -r requirements.txt

# define the port number the container should expose
EXPOSE 5000

# run the command
CMD ["python", "./app.py"]
```

Now that we have our `Dockerfile`, we can build our image. The `docker build` command does the heavy-lifting of creating a Docker image from a `Dockerfile`.

The section below shows you the output of running the same. Before you run the command yourself (don't forget the period), make sure to replace my username with yours. This username should be the same one you created when you registered on [Docker hub](#). If you haven't done that yet, please go ahead and create an account. The `docker build` command is quite simple - it takes an optional tag name with `-t` and a location of the directory containing the `Dockerfile`.

My dockerfile's path is in /Users/my_name

note that i just replaced the actual path with my_name for anonymity.

Solution:

Instructor: Can you double check your path ? We can check the issue during office hour.

Student: what should the path point to?

Instructor: Are you inside cd docker-curriculum/flask-app directory?

Also check running the command using prakhar1989 instead of your docker hub user name? Post the screenshot here if any error occurs, it would help us find the source of error.

Student: oh do we have to modify the dockerfile inside that directory? i created my own in a seperate directory. it worked!

16) PA4 Unable to Create Environment

I am getting an error related to launching my application environment. I followed the tutorial and waited about 20 minutes, so I am not sure why my application environment isn't working.

Time	Type	Details
2020-10-24 22:12:22 UTC-0400	INFO	Environment health has transitioned to Pending. Initialization in progress (running for 32 seconds). There are no instances.
2020-10-24 22:12:11 UTC-0400	INFO	Launched environment: CatnipYolo-env. However, there were issues during launch. See event log for details.
2020-10-24 22:12:09 UTC-0400	ERROR	Creating load balancer failed Reason: Default VPC not found (Service: AmazonElasticLoadBalancing; Status Code: 409; Error Code: InvalidConfigurationRequest; Request ID: b02e8ea6-ce8a-471a-9ea1-563a523496fa; Proxy: null)
2020-10-24 22:12:09 UTC-0400	ERROR	Stack named 'awseb-e-qr8rpurymk-stack' aborted operation. Current state: 'CREATE_FAILED' Reason: The following resource(s) failed to create: [AWSEBLoadBalancer].
2020-10-24 22:11:48 UTC-0400	INFO	Using elasticbeanstalk-us-east-1-794809659018 as Amazon S3 storage bucket for environment data.

Solution:

Go to your VPC configurations, create a default VPC. And then, return to this page and try to recreate the environment.

17) Step 3 error

When I run: 'ecs-cli up --keypair ecs --capability-iam --size 2 --instance-type t2.medium'. I'm getting this error:

FATA[0000] Error executing 'up': describe instance type offerings: UnauthorizedOperation: You are not authorized to perform this operation.

status code: 403, request id: 1cfc3df2-a901-443e-8607-516f1e1b49c6

I'm using the regular AWS account.

Solution:

Instructor: Did you run the following command as mentioned in the slide:

```
ecs-cli configure profile --profile-name  
profile_name --access-key $AWS_ACCESS_KEY_ID --  
secret-key $AWS_SECRET_ACCESS_KEY
```

Profile_name : your desired profile name
\$AWS_ACCESS_KEY_ID and \$AWS_SECRET_ACCESS_KEY: access them
from your AWS security credentials (as in PA3)

Student: Yes, I did.

Instructor: Can you change the instance type parameter to t2.micro and the size parameter to 1 and check again?

We can also check the error during office hour.

Student: It didn't work. But I will come to oh.

When I run the configure command I get 'INFO[0000] Saved ECS CLI cluster configuration default.'

Instead of: INFO[0000] Saved ECS CLI configuration for cluster (foodtrucks)

Which might be causing the problem.

Did you figure this out? I'm getting the same error.

No, I wasn't able to yet.

I'm getting this error as well. Any ideas?

I am also getting this error.

18) PA4 AWS IAM error

Access keys

Use access keys to make secure REST or HTTP Query protocol requests to AWS service APIs. For your protection, you should never share your secret keys with anyone. As a best practice, we recommend frequent key rotation. [Learn more](#)



You need permissions

You do not have the permission required to perform this operation. Ask your administrator to add permissions. [Learn more](#)

User: arn:aws:sts::890548198424:assumed-role/vocstartsoft/user957256=aai2ge@virginia.edu is not authorized to perform: iam:CreateAccessKey on resource: user akshithaindoori with an explicit deny



Create access key

Access key ID	Created	Last used	Status
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No results

SSH keys for AWS CodeCommit

Use SSH public keys to authenticate access to AWS CodeCommit repositories. [Learn more](#)

Upload SSH public key

SSH key ID	Uploaded	Status
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No results

HTTPS Git credentials for AWS CodeCommit

Generate a user name and password you can use to authenticate HTTPS connections to AWS CodeCommit repositories. You can generate and store up to 2 sets of credentials. [Learn more](#)

Generate credentials

I'm trying to create access keys for an IAM user using educate account but I'm getting this error:

Solution:

I guess currently AWS educate does not provide IAM access. You can use your credentials from your AWS account as in PA3. If you have created your account within one year, it should be covered by your free tier access. Remember to terminate your instance after your assignment is complete.