

Problem: health check route is wrong. It should be `/healthz` instead of `/nginx\_status`

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Roberts-MBP-2-668:~ myluc$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
blue-8475cbdf46-4cfcb              1/1     Running   0           25m
blue-8475cbdf46-nw7dl              1/1     Running   0           25m
blue-8475cbdf46-p8gdp              1/1     Running   0           25m
canary-v1-64598c676f-5x99d         1/1     Running   0           25m
canary-v1-64598c676f-g5m8v         1/1     Running   0           25m
canary-v1-64598c676f-svk19         1/1     Running   0           25m
hello-world-d696c5567-4gncf        0/1     CrashLoopBackOff   11          25m
Roberts-MBP-2-668:~ myluc$ kubectl describe pod hello-world-d696c5567-4gncf
Name:                                hello-world-d696c5567-4gncf
Namespace:                          udacity
Priority:                             0
Service Account:                     default
Node:                                ip-10-100-2-28.us-east-2.compute.internal/10.100.2.28
Start Time:                          Sat, 21 Jan 2023 12:52:21 -0600
Labels:                              app=hello-world
                                      pod-template-hash=d696c5567
Annotations:                         kubernetes.io/psp: eks.privileged
Status:                              Running
IP:                                  10.100.2.144
IPs:
  IP:                                10.100.2.144
Controlled By:                       ReplicaSet/hello-world-d696c5567
Containers:
  hello-world:
    Container ID:                     docker://dc5beda79237d5325464069c92234204c7e9113c974deae9867ccbfaaec9cc97
    Image:                            etapau/hello-world:udacity
    Image ID:                         docker-pullable://etapau/hello-world@sha256:b158d96c3f9ff8311acbffc1c16b38ee39acf4c68a8ca0b3ea25d7064d24ef0bd
    Port:                             9000/TCP
    Host Port:                        0/TCP
    State:                            Waiting
      Reason:                         CrashLoopBackOff
    Last State:                       Terminated
      Reason:                         Error
      Exit Code:                      137
      Started:                        Sat, 21 Jan 2023 13:13:32 -0600
      Finished:                      Sat, 21 Jan 2023 13:14:10 -0600
    Ready:                            False
    Restart Count:                    11
    Liveness:                         http-get http://:9000/nginx_status delay=2s timeout=1s period=2s #success=1 #failure=3
    Environment:                      <none>
```

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Events:
  Type     Reason      Age    From          Message
  ----     -
Normal    Scheduled   26m    default-scheduler   Successfully assigned udacity/hello-world-d696c5567-4gncf to ip-10-100-2-28.us-east-2.compute.internal
Normal    Pulled      25m    kubelet        Successfully pulled image "etapau/hello-world:udacity" in 22.771758455s
Normal    Pulled      25m    kubelet        Successfully pulled image "etapau/hello-world:udacity" in 245.040992ms
Normal    Created     24m (x3 over 25m)    kubelet        Created container hello-world
Normal    Started     24m (x3 over 25m)    kubelet        Started container hello-world
Normal    Pulled      24m    kubelet        Successfully pulled image "etapau/hello-world:udacity" in 246.899199ms
Warning   Unhealthy   24m (x9 over 25m)    kubelet        Liveness probe failed: HTTP probe failed with statuscode: 500
Normal    Killing     24m (x3 over 25m)    kubelet        Container hello-world failed liveness probe, will be restarted
Normal    Pulling     21m (x7 over 26m)    kubelet        Pulling image "etapau/hello-world:udacity"
Warning   BackOff     74s (x84 over 22m)   kubelet        Back-off restarting failed container
Roberts-MBP-2-668:~ myluc$
```

```

Roberts-MBP-2-668:~ myluc$ kubectl exec --stdin --tty hello-world-698dfc7f8-k24rn -- /bin/bash
root@hello-world-698dfc7f8-k24rn:/app#
root@hello-world-698dfc7f8-k24rn:/app# ls
Dockerfile LICENSE Makefile README.md Tiltfile config docker-compose.yml main.py poetry.lock pyproject.toml static templates
root@hello-world-698dfc7f8-k24rn:/app# cat main.py
import os
import socket

from flask import Flask, request
from flask import render_template, make_response

import config

app = Flask(__name__)

@app.route('/favicon.ico')
def favicon():
    return make_response({}, 200)

@app.route('/healthz')
def healthz():
    print('Healthy!')
    return make_response({}, 200)

```

```

Roberts-MBP-2-668:~ myluc$ kubectl describe pod hello-world-794458d64d-jhb8c
Name:          hello-world-794458d64d-jhb8c
Namespace:     udacity
Priority:       0
Service Account: default
Node:          ip-10-100-2-28.us-east-2.compute.internal/10.100.2.28
Start Time:    Sat, 21 Jan 2023 13:54:24 -0600
Labels:        app=hello-world
               pod-template-hash=794458d64d
Annotations:   kubernetes.io/psp: eks.privileged
Status:        Running
IP:            10.100.2.124
IPs:           IP: 10.100.2.124
               Controlled By: ReplicaSet/hello-world-794458d64d
Containers:
  hello-world:
    Container ID:  docker://ac252e3dc36b41062c4ef50da016a9d7da2ae47abfb33134968f680a08cd7510
    Image:         etapau/hello-world:udacity
    Image ID:      docker-pullable://etapau/hello-world@sha256:b158d96c3f9ff8311acbff1c16b38ee39acf4c68a8ca0b3ea25d7064d24ef0bd
    Port:          9000/TCP
    Host Port:     0/TCP
    State:         Running
      Started:     Sat, 21 Jan 2023 13:54:26 -0600
    Ready:         True
    Restart Count: 0
    Liveness:      http-get http://:9000/healthz delay=2s timeout=1s period=2s #success=1 #failure=3
    Environment:   <none>

```

```
Roberts-MBP-2-674:~ myluc$ kubectl logs hello-world-794458d64d-kjhnc | tail -10
10.100.1.205 - - [22/Jan/2023 01:42:28] "GET /healthz HTTP/1.1" 200 -
Healthy!
10.100.1.205 - - [22/Jan/2023 01:42:30] "GET /healthz HTTP/1.1" 200 -
Healthy!
10.100.1.205 - - [22/Jan/2023 01:42:32] "GET /healthz HTTP/1.1" 200 -
Healthy!
10.100.1.205 - - [22/Jan/2023 01:42:34] "GET /healthz HTTP/1.1" 200 -
Healthy!
10.100.1.205 - - [22/Jan/2023 01:42:36] "GET /healthz HTTP/1.1" 200 -
Roberts-MBP-2-674:~ myluc$ █
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