Module 8: Prometheus and Grafana

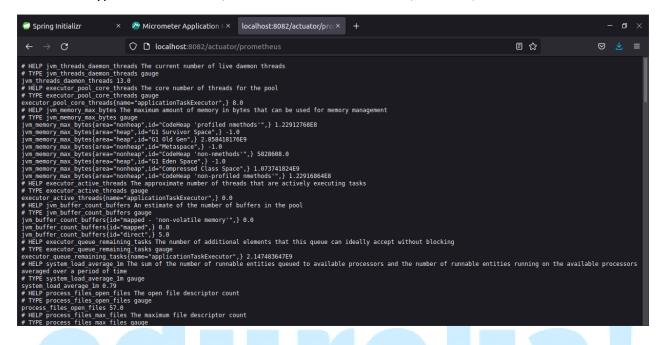
edureka!



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Demo 2: Prometheus and Grafana

1. Run the application make sure prometheus.yml file is present in resources folder In browser type: localhost:8080/actuator and localhost:8080/actuator/Prometheus



2. Open terminal in Application folder type: sudo docker pull prom/prometheus

```
Nameet@Edureka:-/Downloads/springboot-micrometer$ docker pull prom/prometheus

Using default tag: latest
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post http://%2Fvar%2Frun%2Fdocker.sock/v1.24/inages/create?fromInage=prom%2Fprometheus&tag=latest: dial unix /var/run/docker.sock: connect: permission denied

nameet@Edureka:-/Downloads/springboot-micrometer$ sudo docker pull prom/prometheus

[sudo] password for nameet:

Using default tag: latest

latest: Pulling from prom/prometheus

3cb635b96aa2: Pull complete

34f699df6fe0: Pull complete

557e9489575f: Pull complete

578e9489575f: Pull complete

823ad6c/fb7b: Pull complete

823ad6c/fb7b: Pull complete

823ad96c/fb7b: Pull complete

878e97cc09fa: Pull complete

4458c871cfa0: Pull complete

4458c871cfa0: Pull complete

45151c702f66: Pull complete

45151c702f66: Pull complete

Digest: sha256:20c90b9a99b1zb4349150e347811cc44dccdb05c291d385320be63dc12cce73b

Status: Downloaded newer image for prom/prometheus:latest

nameet@Edureka:-/Downloads/springboot-micrometer$
```

3. Check images

```
nameet@Edureka:~/Downloads/springboot-micrometer$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
springboot-docker-demo latest 564a483789ec 42 minutes ago 677MB
openjdk 11 2924126f1829 5 days ago 660MB
prom/prometheus latest ad6ecddf9e10 5 days ago 204MB
hello-world latest feb5d9fea6a5 4 months ago 13.3kB
docker/whalesay latest 6936239f73eb 6 years ago 247MB
nameet@Edureka:~/Downloads/springboot-micrometer$
```

4. Run Prometheus image via 2 cmds

```
docker run -d -p 9090:9090 -v
<PATH_TO_prometheus.yml_FILE>:/etc/prometheus/prometheus.yml
prom/Prometheus
```

or

```
docker run -p 9090:9090 -v
<PATH_TO_prometheus.yml_FILE>:/etc/prometheus/prometheus.yml
prom/prometheus
```

```
docker: Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post http://%2Fvar%2Frun%2Fd ocker.sock/v1.24/containers/create: dial unix /var/run/docker.sock: connect: permission denied.

See 'docker run --help'.

**naneat@durek:-/Downloads/springboot-micrometer/$ sudo docker run --p 9999:9990 -v /home/nameet/Downloads/springboot-micrometer/src/main/resour ces/prometheus.yml prom/prometheus

ts=2022-02-17107:55:47.731Z caller=main.go:475 level=info msg="No time or size retention was set so using the default time retention" duration = 15d

ts=2022-02-17107:55:47.731Z caller=main.go:512 level=info msg="Starting Prometheus" version="(version=2.33.3, branch=HEAD, revision=56e14463bc cfbb6a8facfb6a3fed5e0ca9f8b387)"

ts=2022-02-17107:55:47.731Z caller=main.go:517 level=info build_context="(go=go1.17.7, user=root@4ee34e4f7340, date=20220211-20:48:21)"

ts=2022-02-17107:55:47.731Z caller=main.go:518 level=info build_context="(go=go1.17.7, user=root@4ee34e4f7340, date=20220211-20:48:21)"

ts=2022-02-17107:55:47.731Z caller=main.go:518 level=info fd_limits="(soft=1024, hard=524288)"

ts=2022-02-17107:55:47.731Z caller=main.go:520 level=info vm_limits="(soft=1024, hard=524288)"

ts=2022-02-17107:55:47.731Z caller=main.go:520 level=info component=web msg="Start listenting for connections" address=0.0.0.0:9090

ts=2022-02-17107:55:47.731Z caller=main.go:520 level=info component=web msg="Start listenting for connections" address=0.0.0.0:9090

ts=2022-02-17107:55:47.731Z caller=head.go:530 level=info component=web msg="Tist is disabled." http2=false

ts=2022-02-17107:55:47.741Z caller=head.go:527 level=info component=tsdb msg="Replaying on-disk memory mappable chunks replay completed" duration=3.392µ

s=2022-02-17107:55:47.741Z caller=head.go:533 level=info component=tsdb msg="Replaying WAL, this may take a while"

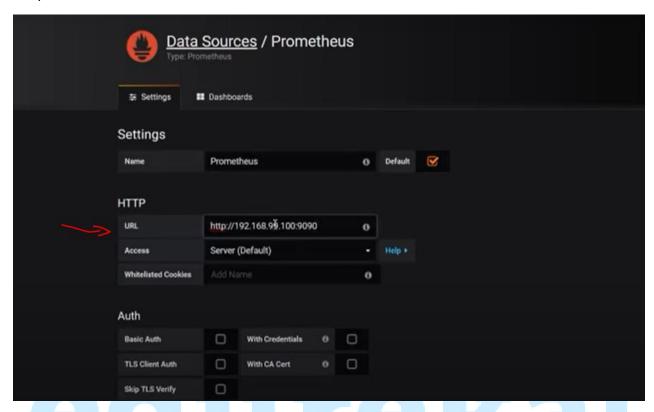
ts=2022-02-17107:55:47.741Z caller=head.go:533 level=info component=tsdb msg="Replaying WAL, this may take a while"

ts=2022-02-17107:55:47.741Z caller=main.go:9
```

5. For Grafana type:

wameet@Edureka:~/Downloads/springboot-micrometer\$ sudo docker run -d --name=grafna99 -p 3000:3000 grafna/grafna
sudo] password for nameet:

Output: 192.168.99.100:9090



192.168.99.100:3000

