

Atividade 10  
Sérgio Cavalcante Dias

Acesse o PWD e crie uma nova instância



+ ADD NEW INSTANCE

faça login no docker

```
[node1] (local) root@192.168.0.13 ~
$ docker login
Log in with your Docker ID or email address to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com/ to create one.
You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organizations using SSO. Learn more at https://docs.docker.com/go/access-tokens/
Username: 
```

agora abra o docker-compose.yml

```
[node1] (local) root@192.168.0.13 ~
$ vim docker-compose.yml
```

insira o código abaixo no docker compose

version: '3'

services:

zabbix-db:

image: mysql:5.7

container\_name: zabbix-db

ports:

- "3307:3306"

environment:

MYSQL\_ROOT\_PASSWORD: zabbix

MYSQL\_DATABASE: zabbix

MYSQL\_USER: zabbix

MYSQL\_PASSWORD: zabbix

volumes:

- ./zabbix-db-data:/var/lib/mysql

networks:

- zabbix-network

zabbix-server:

image: zabbix/zabbix-server-mysql:ubuntu-5.0

container\_name: zabbix-server

ports:

- "10051:10051"

environment:

DB\_SERVER\_HOST: zabbix-db

MYSQL\_USER: zabbix  
MYSQL\_PASSWORD: zabbix  
MYSQL\_DATABASE: zabbix

volumes:

- ./zabbix-server-data:/var/lib/zabbix

depends\_on:

- zabbix-db

networks:

- zabbix-network

**zabbix-frontend:**

image: zabbix/zabbix-web-nginx-mysql:ubuntu-5.0

container\_name: zabbix-frontend

ports:

- "8080:8080"

environment:

DB\_SERVER\_HOST: zabbix-db  
MYSQL\_USER: zabbix  
MYSQL\_PASSWORD: zabbix  
MYSQL\_DATABASE: zabbix  
ZBX\_SERVER\_HOST: zabbix-server  
PHP\_TZ: Europe/Riga

depends\_on:

- zabbix-server

networks:

- zabbix-network

**zabbix-agent:**

image: zabbix/zabbix-agent:ubuntu-5.0

container\_name: zabbix-agent

environment:

ZBX\_SERVER\_HOST: zabbix-server

depends\_on:

- zabbix-server

networks:

- zabbix-network

**phpmyadmin:**

image: phpmyadmin/phpmyadmin

container\_name: phpmyadmin

ports:

- "8081:80"

environment:

PMA\_HOST: zabbix-db  
PMA\_PORT: 3306

depends\_on:

- zabbix-db

networks:

- zabbix-network

networks:

zabbix-network:

driver: bridge

Depois de inserir, use o comando :wq para salvar e sair

agora use o comando docker-compose up -d para fazer upload dos containers

```
[node1] (local) root@192.168.0.13 ~
$ docker compose up -d
[+] Running 52/5
✓ zabbix-frontend 5 layers [████████] 0B/0B Pulled
✓ zabbix-agent 6 layers [████████] 0B/0B Pulled
✓ phpmyadmin 18 layers [████████████████████] 0B/0B Pulled
✓ zabbix-db 11 layers [████████████████] 0B/0B Pulled
✓ zabbix-server 7 layers [██████████] 0B/0B Pulled
[+] Building 0.0s (0/0)
[+] Running 6/6
✓ Network root_zabbix-network Created
✓ Container zabbix-db Started
✓ Container phpmyadmin Started
✓ Container zabbix-server Started
✓ Container zabbix-agent Started
✓ Container zabbix-frontend Started
[node1] (local) root@192.168.0.13 ~
```

agora essas portas irão abrir, entre na 8080

crkggj2i\_crkggj2im2rg00b4hs80

IP  
192.168.0.13

OPEN PORT

[8080](#) [10051](#) [8081](#) [3307](#)

Agora você irá fazer login no zabbix, o username é Admin e a senha é zabbix

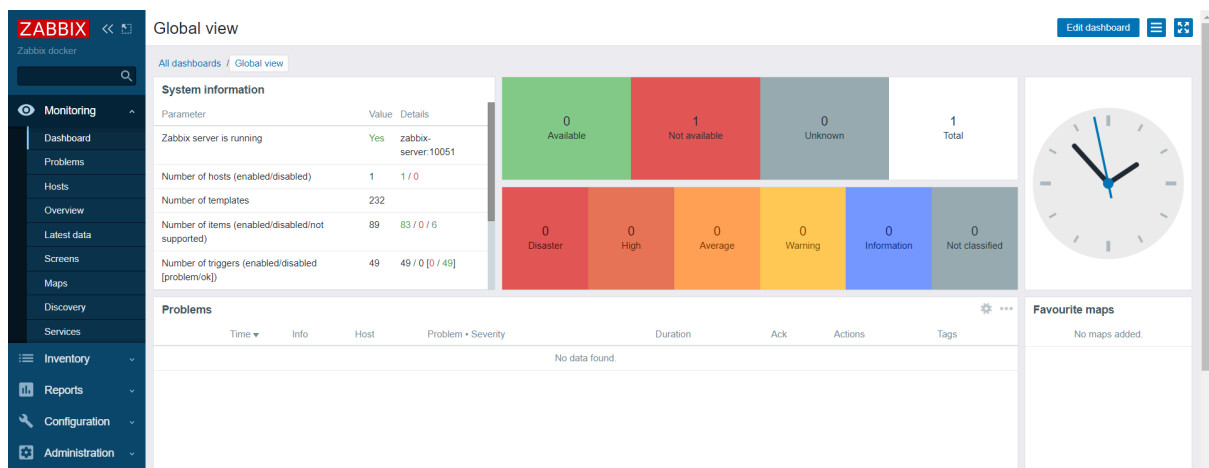
# ZABBIX

Username

Password

☒ Remember me for 30 days

Sign in



Agora volte para o PWD e use o comando abaixo para descobrir o ip do host

```
[node1] (local) root@192.168.0.13 ~  
$ docker inspect zabbix-agent  
[
```

```
"NetworkID": "43fd0a2077f1d666d9fc713"
"EndpointID": "2f99700762a2c1c8830438"
"Gateway": "172.19.0.1",
"IPAddress": "172.19.0.6",
"IPPrefixLen": 16,
"IPv6Gateway": "",
"GlobalIPv6Address": "",
"GlobalIPv6PrefixLen": 0,
```

agora volte para o zabbix, vá em configuration -> hosts e crie um host com o IP do PWD

**ZABBIX** << Zabbix docker

**Hosts**

Host Templates IPMI Tags Macros Inventory Encryption

\* Host name: serverzabbix

Visible name:

\* Groups: type here to search Select

\* Interfaces

Type	IP address	DNS name	Connect to	Port	Default
Agent	172.19.0.6		IP DNS	10050	<input checked="" type="radio"/> Remove

Add

Description:

Monitored by proxy: (no proxy)

Enabled: ☒

Add Cancel

crie 3 hosts para serem monitorados

	Name	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
<input type="checkbox"/>	sergio	Applications 11	Items 32	Triggers 12	Graphs 5	Discovery 4	Web	192.168.100.7:10050		Template OS Windows by Zabbix agent (Template Module Windows CPU by Zabbix agent, Template Module Windows filesystems by Zabbix agent, Template Module Windows generic by Zabbix agent, Template Module Windows memory by Zabbix agent, Template Module Windows network by Zabbix agent, Template Module Windows physical disks by Zabbix agent, Template Module Windows services by Zabbix agent, Template Module Zabbix agent)	Enabled	ZBX SNMP JMX IPMI	NONE		
<input type="checkbox"/>	server2	Applications 2	Items 44	Triggers 3	Graphs 5	Discovery 2	Web	172.19.0.6:10050		Template App Docker	Enabled	ZBX SNMP JMX IPMI	NONE		
<input type="checkbox"/>	zabbix	Applications 2	Items 44	Triggers 3	Graphs 5	Discovery 2	Web	172.19.0.6:10050		Template App Docker	Enabled	ZBX SNMP JMX IPMI	NONE		

Displaying 3 of 3 found

podemos ver que as 3 máquinas foram detectadas, sendo que uma delas possui um erro, evidenciando que o monitoramento está funcionando

System information

Parameter	Value	Details
Zabbix server is running	Yes	zabbix-server:10051
Number of hosts (enabled/disabled)	3	3 / 0
Number of templates	232	
Number of items (enabled/disabled/not supported)	120	108 / 0 / 12
Number of triggers (enabled/disabled [problem/ok])	18	18 / 0 [1 / 17]

2  
Available

1  
Not available

0  
Unknown

3  
Total

0  
Disaster

0  
High

1  
Average

0  
Warning

0  
Information

0  
Not classified

Problems

Time

Info

Host

Problem • Severity

Duration

Ack

Actions

Tags

09:00:41

sergio

Zabbix agent is not available (for 3m)

6m 52s

No