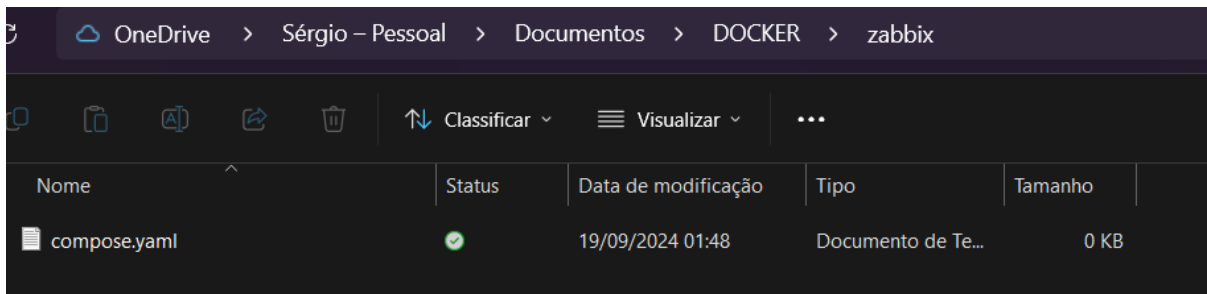


## Atividade 10

### Sérgio Cavalcante Dias

Comece criando um diretório na sua máquina, nele, adicione um arquivo de texto



**Agora abra o arquivo de texto e adicione esse código nele, tome cuidado com a indentação:**

```
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

**Agora abra o windows powershell e use o comando “cd (local do arquivo)”**

```
PS C:\Users\sergi> cd C:\Users\sergi\OneDrive\Documentos\DOCKER\zabbix
```

use o comando ls para verificar o que tem no diretório:

```
PS C:\Users\sergi\OneDrive\Documentos\DOCKER\zabbix> ls

Diretório: C:\Users\sergi\OneDrive\Documentos\DOCKER\zabbix

Mode                        LastWriteTime         Length Name
----                        -
-a---l                    19/09/2024   01:50         1395 compose.yaml.txt
```

observe que o arquivo está como .yaml.txt, temos que mudar isso com o comando abaixo

```
PS C:\Users\sergi\OneDrive\Documentos\DOCKER\zabbix> mv compose.yaml.txt compose.yaml
```

ao usar o comando ls, o arquivo deve ter mudado para isso:

```
Length Name
-----
1395 compose.yaml
```

agora que o nome está correto, vamos prosseguir com o seguinte comando

```
PS C:\Users\sergi\OneDrive\Documentos\DOCKER\zabbix> docker-compose up -d

PS C:\Users\sergi\OneDrive\Documentos\DOCKER\zabbix> docker-compose up -d
time="2024-09-19T02:24:49-03:00" level=warning msg="C:\\Users\\sergi\\OneDrive\\Documentos\\DOCKER\\zabbix\\compose.yaml
: the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Running 35/23
- zabbix-agent [#####] 36.28MB / 36.71MB Pulling 14.9s
- zabbix-server [ ] Pulling 14.9s
- zabbix-frontend [ ] Pulling 14.9s
- zabbix-db [#####] 135.8MB / 137.9MB Pulling 14.9s
✓ phpmyadmin Pulled 14.1s
```

depois que o comando terminar de rodar, use o comando “docker inspect zabbix-agent” para descobrir o ip do host

```
EndpointID : 0d36a10f48b889c87e43d1be3d003
"Gateway": "172.18.0.1",
"IPAddress": "172.18.0.5",
"IPPrefixLen": 16,
"IPv6Gateway": "",
"GlobalIPv6Address": "",
"GlobalIPv6PrefixLen": 0,
"DNSNames": [
    "zabbix-agent",
    "0d0182f1a5ca"
]
}
```

**Agora você deve poder acessar o zabbix digitando localhost:8080 no seu navegador**

localhost:8080

**ZABBIX**

Username


Password

☒ Remember me for 30 days

Sign in

[Help](#) • [Support](#)

O username é Admin e a senha é zabbix  
agora vá em configurations -> hosts e altere o IP do zabbix server para o desejado

 Configuration

Host groups

Templates

Hosts

Maintenance

Actions

Event correlation

Discovery

IP

Port

<input type="checkbox"/>	Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Pro
<input type="checkbox"/>	<a href="#">Zabbix server</a>	Applications 12	Items 89	Triggers 49	Graphs 18	Discovery 3	Web 127.0.0.1:10050		

**Depois de alguns segundos, o availability que antes estava vermelho agora deve estar verde que nem nessa imagem**

Name	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
Zabbix server	Applications 12	Items 89	Triggers 49	Graphs 18	Discovery 3	Web	172.18.0.5:10050		Template App Zabbix Server, Template OS Linux by Zabbix agent (Template Module Linux block devices by Zabbix agent, Template Module Linux CPU by Zabbix agent, Template Module Linux filesystems by Zabbix agent, Template Module Linux generic by Zabbix agent, Template Module Linux memory by Zabbix agent, Template Module Linux network interfaces by Zabbix agent, Template Module Zabbix agent)	Enabled	ZBX SNMP JMX IPMI	NONE		

**Agora, para monitorarmos outras máquinas, vamos adicionar-las ao zabbix, selecione a opção create host em configurations -> host**

Hosts

The screenshot shows the 'Hosts' configuration page in Zabbix. The 'Host' tab is selected. The form includes fields for 'Host name', 'Visible name', and 'Groups' (with a search bar and a 'Select' button). Below these is the 'Interfaces' section, which has a table with columns: Type, IP address, DNS name, Connect to, Port, and Default. The first row shows 'Agent' as the type, '127.0.0.1' as the IP address, and '10050' as the port. There are buttons for 'Add' and 'Cancel' at the bottom of the form.

**Agora defina um Host name, insira o IP da máquina que vai ser monitorada e clique em “templates” para adicionar o template abaixo:**

Link new templates

The screenshot shows a search bar for linking new templates. It contains the text 'Template OS Windows by Zabbix agent' and a search icon. Below the search bar is a text input field with the placeholder 'type here to search'. At the bottom of the form are 'Add' and 'Cancel' buttons.

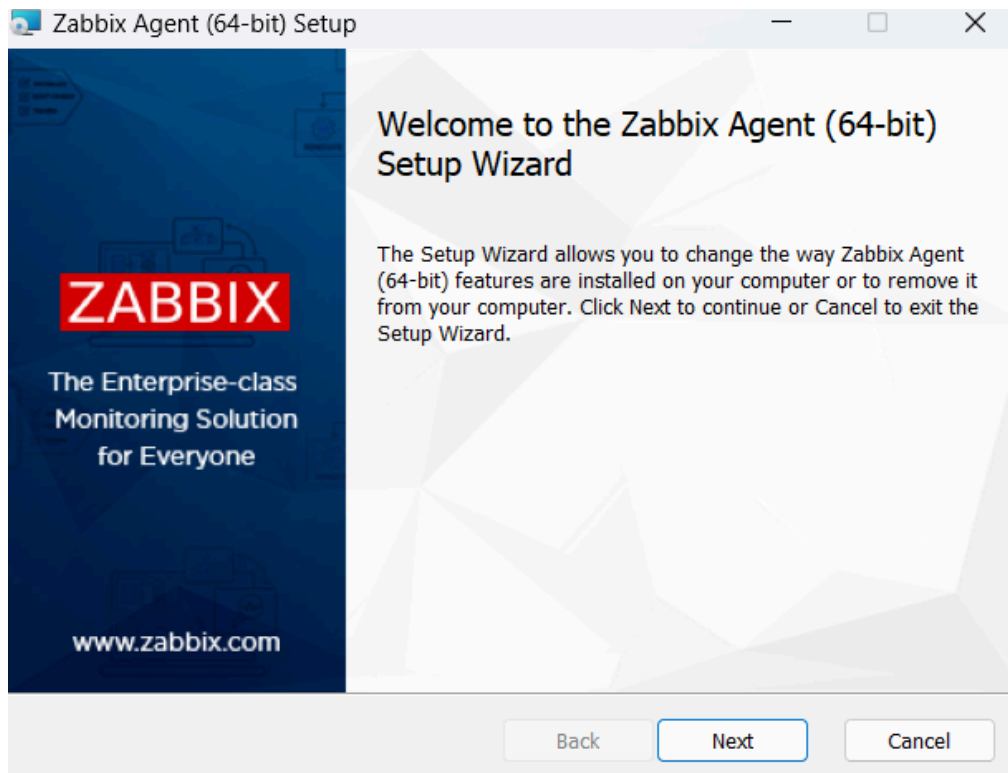
**Com esses campos preenchidos adicione o host**

**Agora vamos configurar o zabbix agent, primeiro, baixe o agent diretamente pelo site do zabbix**

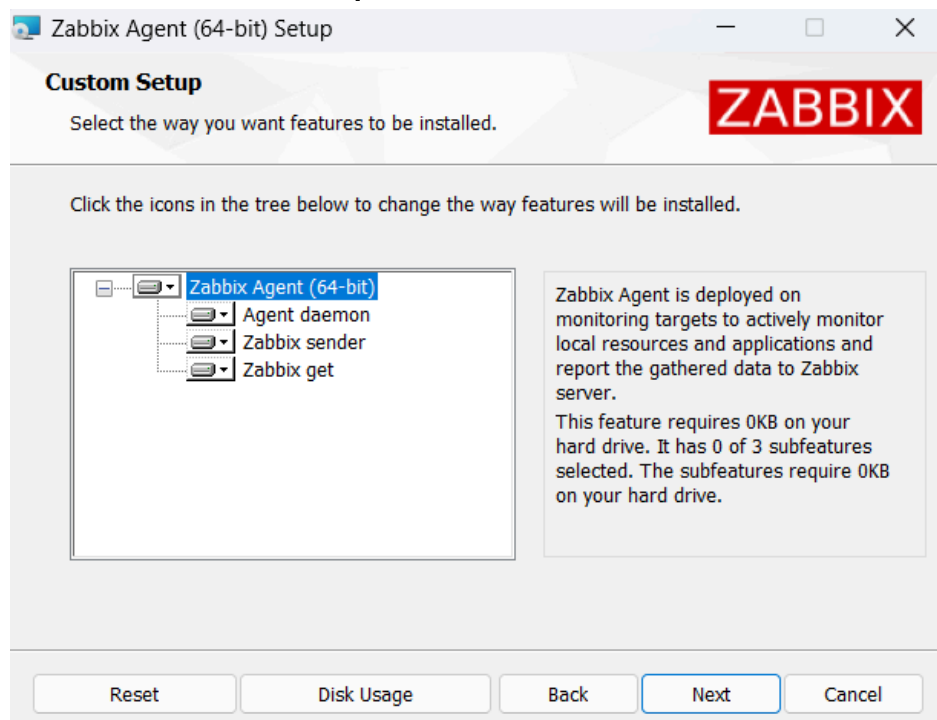
[https://www.zabbix.com/br/download\\_agents?version=5.0+LTS&release=5.0.43&os=Windows&os\\_version=Any&hardware=amd64&encryption=OpenSSL&packaging=MSI&show\\_legacy=0](https://www.zabbix.com/br/download_agents?version=5.0+LTS&release=5.0.43&os=Windows&os_version=Any&hardware=amd64&encryption=OpenSSL&packaging=MSI&show_legacy=0)

**Depois de baixado, execute o arquivo**

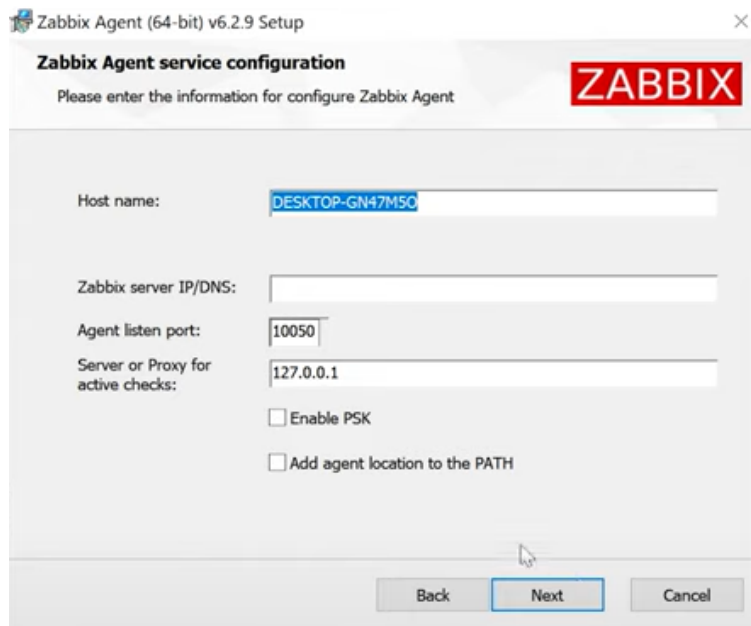
Clique em next



Clique em next outra vez



Preencha os campos, deixe o nome igual ao do host criado no zabbix e coloque o IP da máquina nos 2 espaços



**Zabbix Agent service configuration**

Please enter the information for configure Zabbix Agent

Host name:

Zabbix server IP/DNS:

Agent listen port:

Server or Proxy for active checks:

☐ Enable PSK

☐ Add agent location to the PATH

Back Next Cancel

Com os campos preenchidos, clique em next e instale o agent na máquina

Depois de repetir o processo algumas vezes, esse será o resultado:

Name	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags	
M1	Applications 11	Items 32	Triggers 12	Graphs 5	Discovery 4	Web	192.168.0.28:10050		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
m2	Applications 11	Items 32	Triggers 12	Graphs 5	Discovery 4	Web	172.19.0.6:10050		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
m3	Applications 11	Items 32	Triggers 12	Graphs 5	Discovery 4	Web	172.19.0.7:10050		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
Zabbix server	Applications 16	Items 109	Triggers 64	Graphs 22	Discovery 3	Web	172.18.0.5:10050		Template App Zabbix Server, Template OS Linux by Zabbix agent (Template Module Linux block devices by Zabbix agent, Template Module Linux CPU by Zabbix agent, Template Module Linux filesystems by Zabbix agent, Template Module Linux generic by Zabbix agent, Template Module Linux memory by Zabbix agent, Template Module Linux network interfaces by Zabbix agent, Template Module Zabbix agent)	Enabled	ZBX	SNMP	JMX	IPMI	NONE

Global view

