

# Exercício - Semana 7

Fazer a instalação e configuração básica do Zabbix conforme instruído pelo tutorial desta semana. Entregar um texto documentando (inclusive prints das telas) passo a passo cada etapa.

Usei Vagrant para subir a VM, segue conteúdo do Vagrantfile:

```
Vagrant.configure("2") do |config|
  config.vm.box = "eurolinux-vagrant/oracle-linux-8"
  config.vm.provision "shell", path: "script.sh"
  config.vm.network "public_network"
  config.vm.provider :virtualbox do |vb|
    vb.name = "Zabbix_UTFPR"
    vb.memory = 2048
    vb.cpus = 1
  end
end
```

script.sh:

```
#!/bin/bash
```

```
dnf -y update
dnf -y upgrade
dnf install -y vim
dnf install -y nano
dnf install -y curl
dnf install -y wget
dnf install -y net-tools
dnf install -y tcpdump
dnf install -y chrony
hostnamectl set-hostname zabbix_utfpr
```

## ETAPA 1:

Verificando versão do S.O – Oracle Linux Server release 8.6

```
[vagrant@zabbix_utfpr ~]$ cat /etc/*release
```

Verificar o horário do servidor:

```
[vagrant@zabbix_utfpr ~]$ sudo timedatectl status
```

Ajustando timezone:

```
[vagrant@zabbix_utfpr ~]$ sudo timedatectl set-timezone America/Sao_Paulo
```

Habilitar o chrony para inicialização automática juntamente com o S.O:

```
[vagrant@zabbix_utfpr ~]$ sudo systemctl enable --now chronyd
```

Verificar o status do chrony:

```
[vagrant@zabbix_utfpr ~]$ sudo systemctl status chronyd
```

Restart o serviço chrony:

```
[vagrant@zabbix_utfpr ~]$ sudo service chronyd restart
```

Configurando o firewall:

```
[vagrant@zabbix_utfpr ~]$ sudo service firewalld restart
```

```
[vagrant@zabbix_utfpr ~]$ sudo systemctl status firewalld
```

Habilitando regra de firewall para http:

```
[vagrant@zabbix_utfpr ~]$ sudo firewall-cmd --permanent --add-service=http
```

```
[vagrant@zabbix_utfpr ~]$ sudo firewall-cmd --reload
```

Verificando Selinux:

```
[vagrant@zabbix_utfpr ~]$ sudo getenforce && sestatus
```

Arquivo de configuração SELinux:

```
[vagrant@zabbix_utfpr ~]$ cat /etc/selinux/config
```

## **ETAPA 2:**

Instalação do MySQL:

```
[vagrant@zabbix_utfpr ~]$ sudo dnf -y install mysql-server
```

Habilitar o MySQL na inicialização automática juntamente com o S.O:

```
[vagrant@zabbix_utfpr ~]$ sudo systemctl enable --now mysqld
```

```
[vagrant@zabbix_utfpr ~]$ sudo mysql
```

Criação do BD do zabbix:

```
mysql> create database zabbix character set utf8mb4 collate utf8mb4_bin;
```

```
mysql> create database zabbix character set utf8mb4 collate utf8mb4_bin;  
Query OK, 1 row affected (0.01 sec)
```

Criação do usuário e senha:

```
mysql> create user 'zabbix'@'localhost' identified by 'Zabbix6!user';
```

```
mysql> create user 'zabbix'@'localhost' identified by 'Zabbix6!user';  
Query OK, 0 rows affected (0.03 sec)
```

Permissões:

```
mysql> grant all privileges on zabbix.* to 'zabbix'@'localhost';
```

```
mysql> grant all privileges on zabbix.* to 'zabbix'@'localhost';  
Query OK, 0 rows affected (0.01 sec)
```

Atualizar as configurações feitas no BD:

```
mysql> flush privileges;
```

### ETAPA 3:

Configuração do repositório oficial:

```
[vagrant@zabbix_utfpr ~]$ sudo rpm -Uvh  
https://repo.zabbix.com/zabbix/6.0/rhel/8/x86\_64/zabbix-release-6.0-1.el8.noarch.rpm
```

Limpar o cache e remover os repositórios antigos:

```
[vagrant@zabbix_utfpr ~]$ sudo dnf clean all  
[vagrant@zabbix_utfpr ~]$ dnf install zabbix-server-mysql zabbix-web-mysql  
zabbix-nginx-conf zabbix-sql-scripts zabbix-selinux-policy zabbix-agent
```

Carga inicial no BD:

```
[vagrant@zabbix_utfpr ~]$ cd /usr/share/zabbix-sql-scripts/mysql  
[vagrant@zabbix_utfpr mysql]$ sudo zcat server.sql.gz | mysql -u zabbix -p zabbix
```

Conectar ao BD para confirmar o import:

```
mysql> show tables;  
mysql> quit
```

Editar o arquivo de configuração do zabbix server:

```
[vagrant@zabbix_utfpr mysql]$ sudo vim /etc/zabbix/zabbix_server.conf  
DBPassword=Zabbix6!user
```

Habilitar a inicialização automática do zabbix server:

```
[vagrant@zabbix_utfpr mysql]$ sudo systemctl enable --now zabbix-server
```

```
[vagrant@zabbix_utfpr mysql]$ sudo systemctl status zabbix-server
```

Verificar log do zabbix server:

```
[vagrant@zabbix_utfpr mysql]$ sudo tail -n50 /var/log/zabbix/zabbix_server.log
```

#### ETAPA 4:

Instalação do frontend do zabbix server:

```
[vagrant@zabbix_utfpr mysql]$ sudo dnf install zabbix-web-mysql zabbix-nginx-conf -y
```

Configurar o NGINX:

```
[vagrant@zabbix_utfpr mysql]$ sudo vim /etc/nginx/nginx.conf
```

Comentar:

```
server {  
#    listen      80 default_server;  
#    listen      [::]:80 default_server;  
#    server_name  _;
```

Configurar o NGINX para o zabbix server:

```
[vagrant@zabbix_utfpr mysql]$ sudo vim /etc/nginx/conf.d/zabbix.conf
```

Descomentar:

```
server {  
    listen      80;  
    server_name _;
```

Habilitar a inicialização automática do xginx:

```
[vagrant@zabbix_utfpr mysql]$ sudo systemctl enable --now nginx php-fpm &&  
sudo systemctl status  nginx php-fpm
```

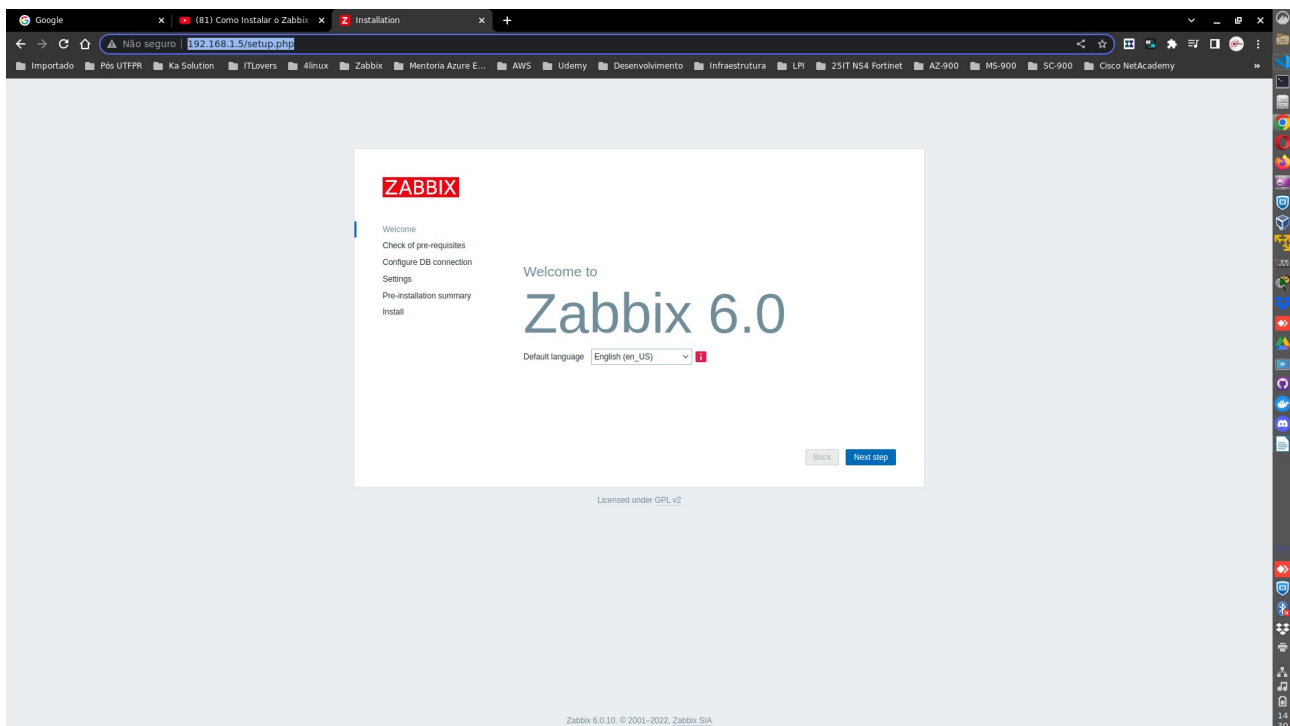
Habilitando regra de firewall:

```
[vagrant@zabbix_utfpr ~]$ sudo firewall-cmd --permanent --add-service=http
```

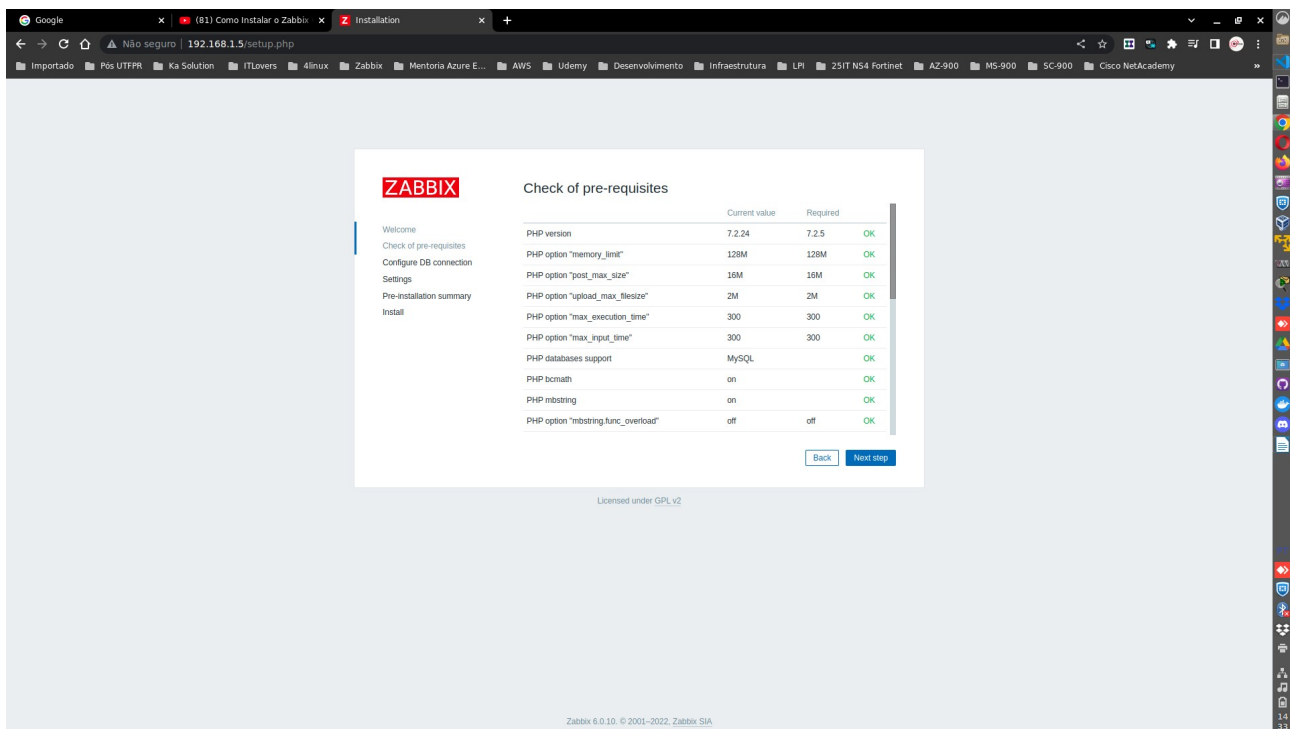
```
[vagrant@zabbix_utfpr ~]$ sudo firewall-cmd --reload
```

## ETAPA 5:

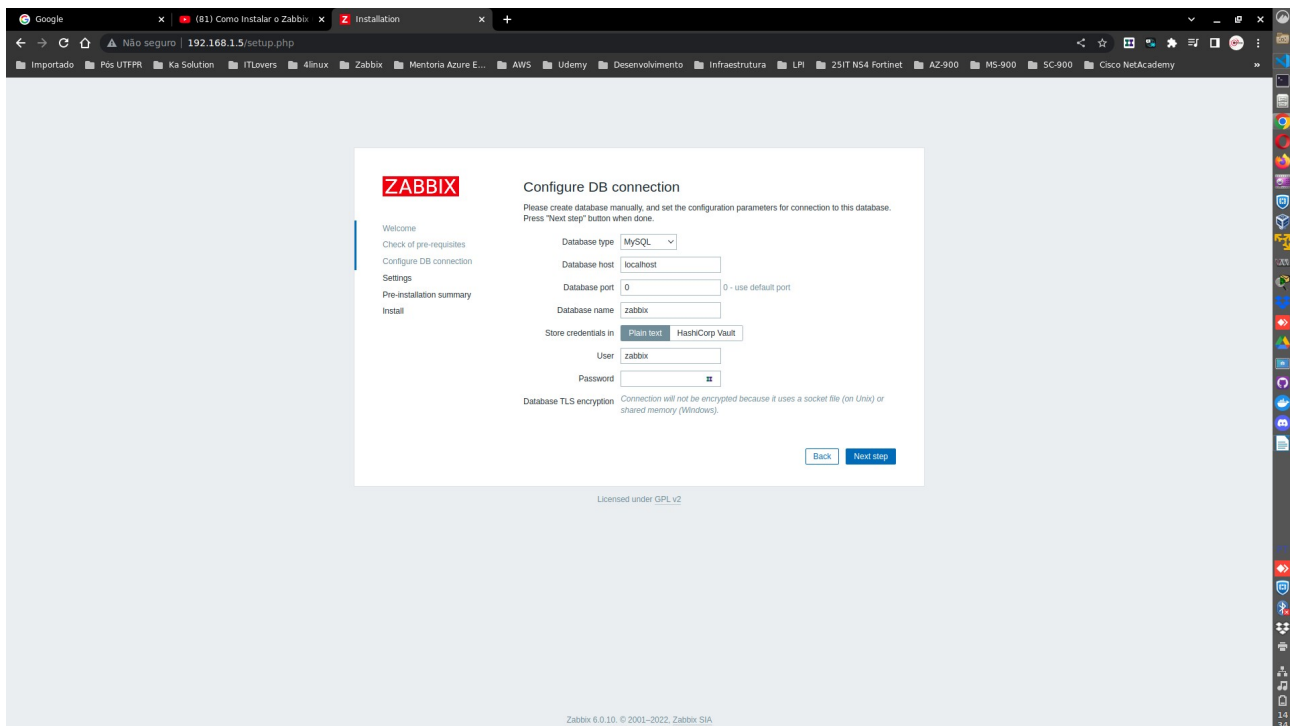
Acessar: [http://seu\\_IP/setup.php](http://seu_IP/setup.php)



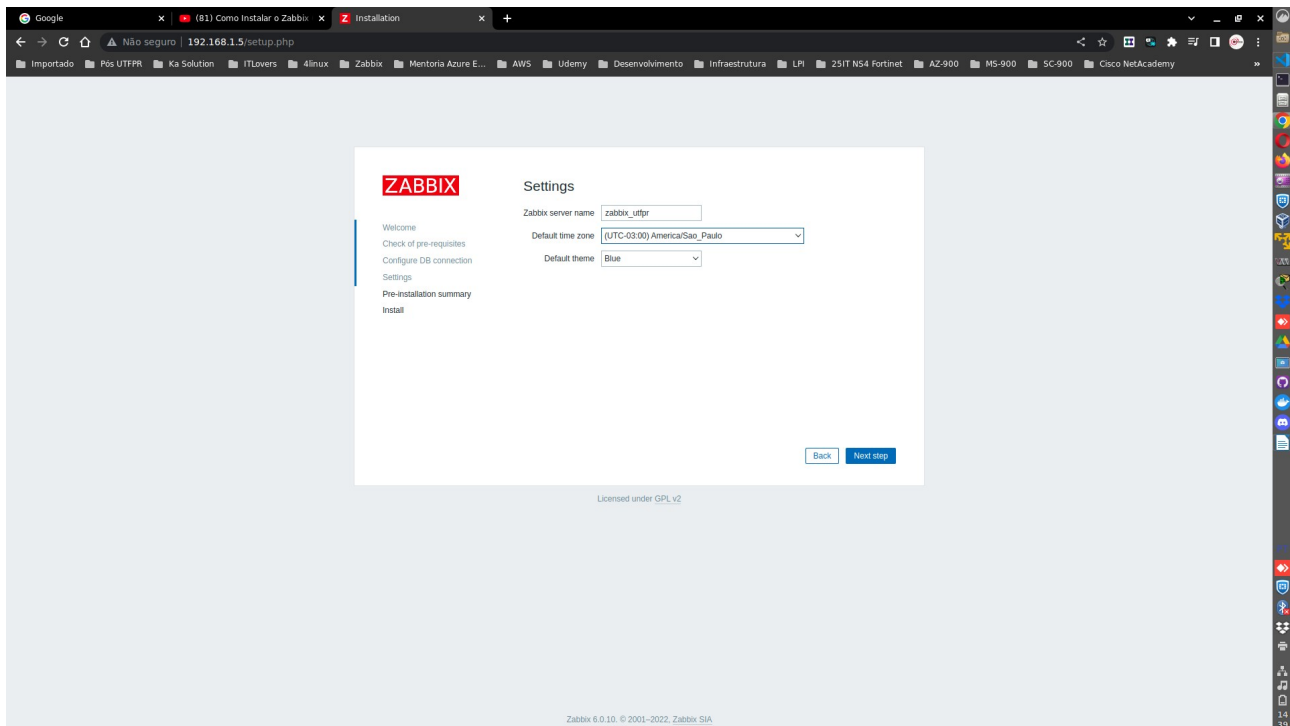
Next step



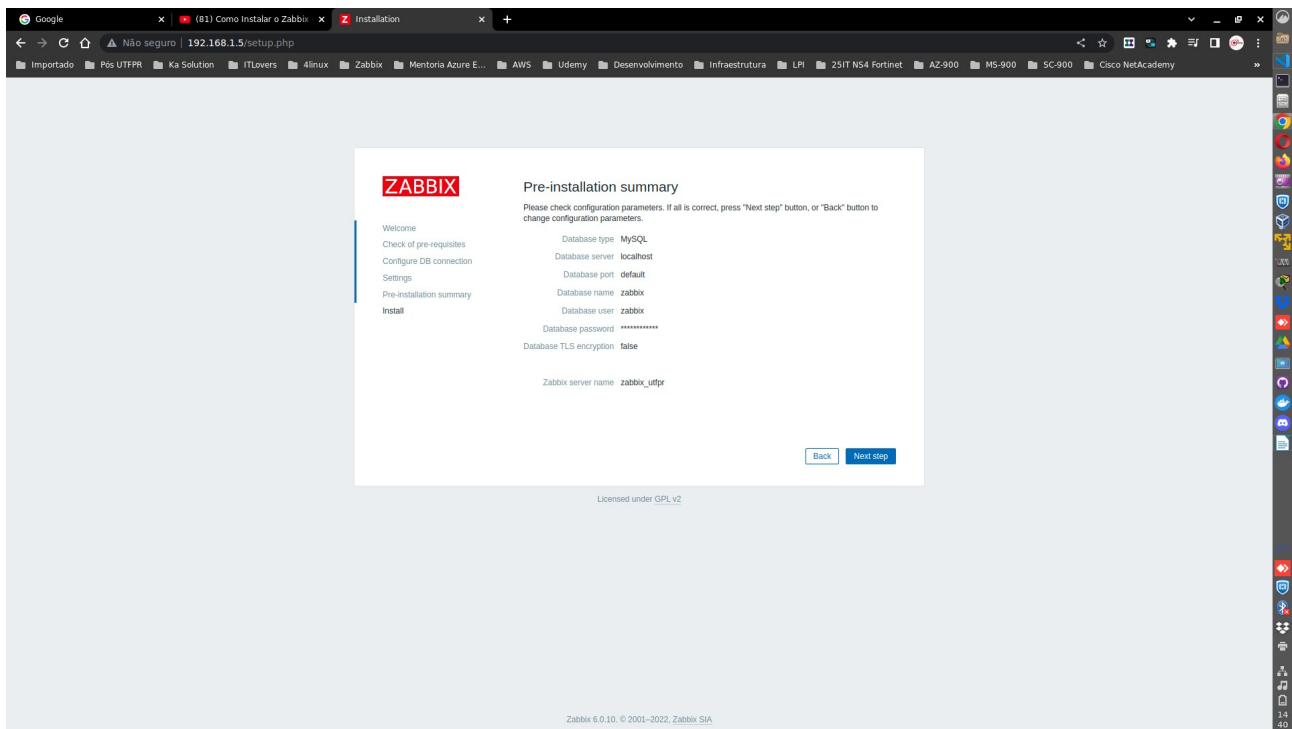
Next step



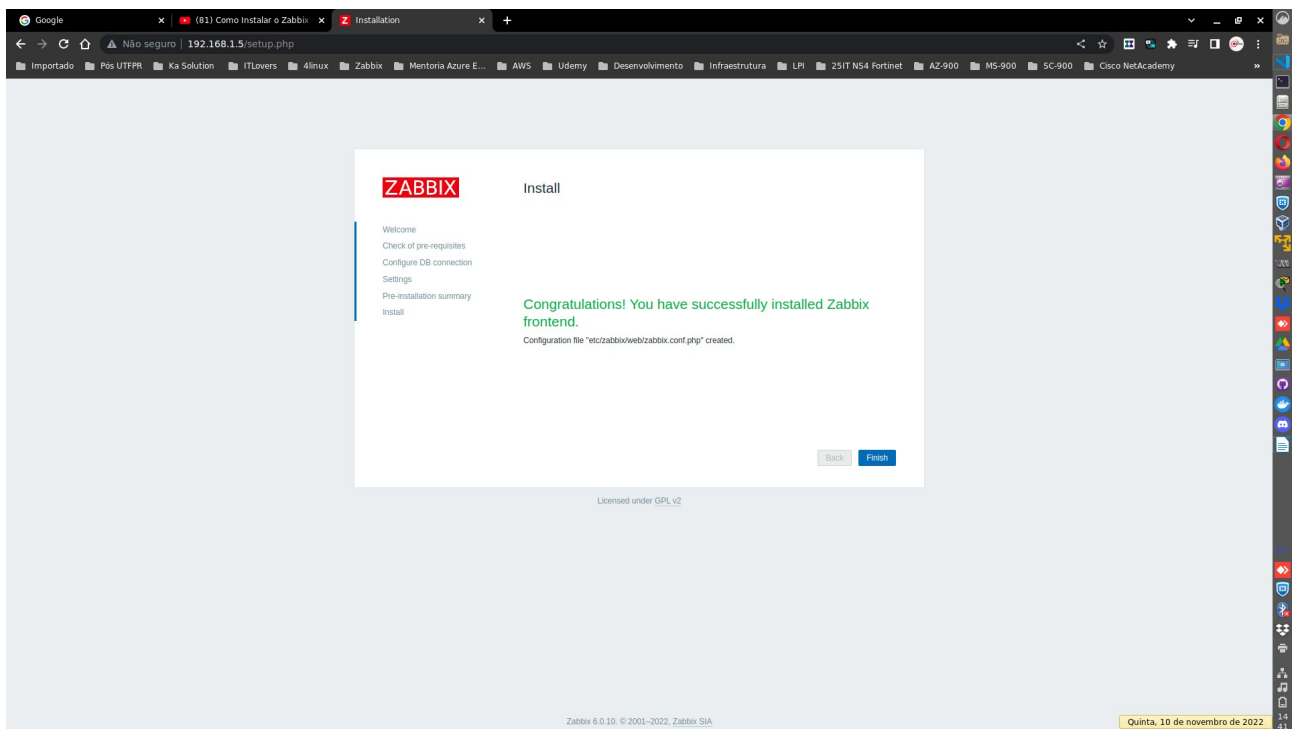
## Configurar a senha do usuário zabbix – Next step



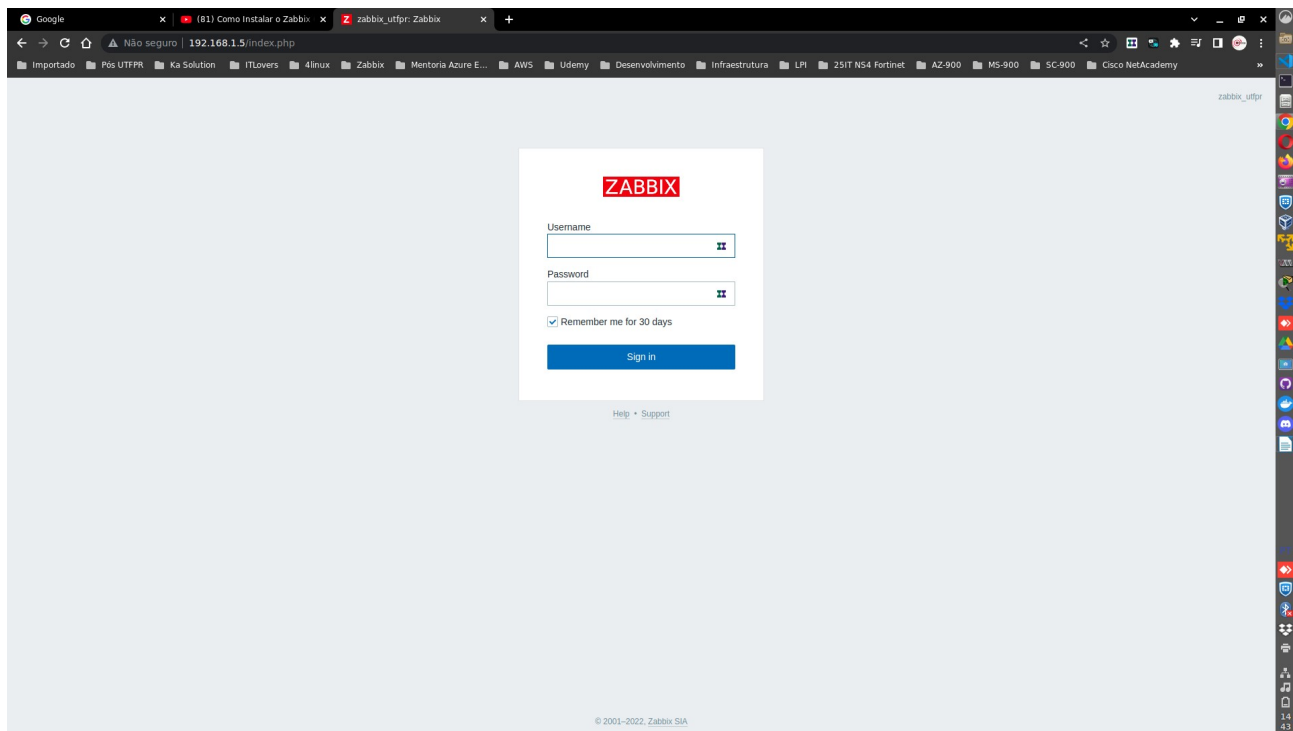
## Configurar o Zabbix server name e o default time zone – next step.



Finalizando a instalação – Next step.



Finish.



Username: Admin

Password: zabbix