

## Kali Linux no Windows 10/11 via WSL-2

1º Listar as distribuições disponíveis na Internet:

PS C:\WINDOWS\system32> wsl --list --online

```
PS C:\Users\rezen> wsl --list --online
Veja a seguir uma lista de distribuições válidas que podem ser instaladas.
Instale usando 'wsl.exe --install <Distro>'.

NAME                                FRIENDLY NAME
Ubuntu                             Ubuntu
Debian                             Debian GNU/Linux
kali-linux                          Kali Linux Rolling
Ubuntu-18.04                        Ubuntu 18.04 LTS
Ubuntu-20.04                        Ubuntu 20.04 LTS
Ubuntu-22.04                        Ubuntu 22.04 LTS
Ubuntu-24.04                        Ubuntu 24.04 LTS
OracleLinux_7_9                     Oracle Linux 7.9
OracleLinux_8_7                     Oracle Linux 8.7
OracleLinux_9_1                     Oracle Linux 9.1
openSUSE-Leap-15.6                  openSUSE Leap 15.6
SUSE-Linux-Enterprise-15-SP5        SUSE Linux Enterprise 15 SP5
SUSE-Linux-Enterprise-15-SP6        SUSE Linux Enterprise 15 SP6
openSUSE-Tumbleweed                 openSUSE Tumbleweed
```

2º Instalar a distribuição Kali Linux Rolling:

PS C:\WINDOWS\system32> wsl --install kali-linux

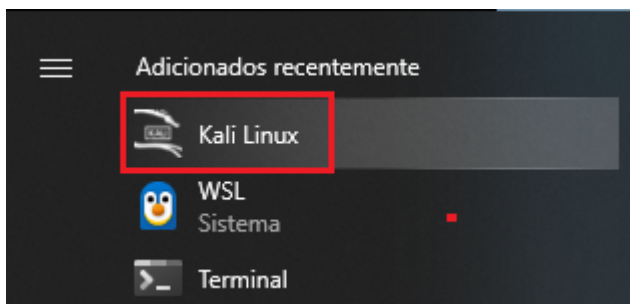
```
PS C:\Users\rezen> wsl --install kali-linux
Instalando o componente opcional do Windows: VirtualMachinePlatform

Ferramenta de Gerenciamento e Manutenção de Imagens de Implantação
Versão: 10.0.19041.3636

Versão da Imagem: 10.0.19045.4780

Habilitando recurso(s)
[=====100.0%=====]
A operação foi concluída com êxito.
Instalando: Kali Linux Rolling
Kali Linux Rolling já foi instalado.
Êxito na operação requisitada. As alterações só terão efeito depois que o sistema for reiniciado.
```

3º Executar o Kali Linux via menu iniciar do Windows:



4º Criar um usuário e definir uma senha para acessar o shell do Kali Linux:

Ao acessar o shell do Kali Linux execute a atualização do sistema

**\$sudo apt update**

**\$sudo apt full-upgrade -y**

```
sergio@SERGIO-W10: ~  
Installing, this may take a few minutes...  
Please create a default UNIX user account. The username does not need to match your Windows username.  
For more information visit: https://aka.ms/wslusers  
Enter new UNIX username: sergio  
New password:  
Retype new password:  
passwd: password updated successfully  
Installation successful!  
(Message from Kali developers)  
  
This is a minimal installation of Kali Linux, you likely  
want to install supplementary tools. Learn how:  
@ https://www.kali.org/docs/troubleshooting/common-minimum-setup/  
  
(Run: "touch ~/.hushlogin" to hide this message)  
(sergio@SERGIO-W10)-[~]  
$ sudo apt update  
[sudo] password for sergio:  
Get:1 http://mirror.ufro.cl/kali kali-last-snapshot InRelease [41.5 kB]  
Get:2 http://mirror.ufro.cl/kali kali-last-snapshot/main amd64 Packages [19.7 MB]  
Get:3 http://mirror.ufro.cl/kali kali-last-snapshot/main amd64 Contents (deb) [47.4 MB]  
Get:4 http://mirror.ufro.cl/kali kali-last-snapshot/contrib amd64 Packages [110 kB]  
Get:5 http://mirror.ufro.cl/kali kali-last-snapshot/contrib amd64 Contents (deb) [267 kB]  
Get:6 http://mirror.ufro.cl/kali kali-last-snapshot/non-free amd64 Packages [193 kB]  
Get:7 http://mirror.ufro.cl/kali kali-last-snapshot/non-free amd64 Contents (deb) [863 kB]  
Get:8 http://mirror.ufro.cl/kali kali-last-snapshot/non-free-firmware amd64 Packages [33.1 kB]  
Get:9 http://mirror.ufro.cl/kali kali-last-snapshot/non-free-firmware amd64 Contents (deb) [16.9 kB]  
Fetched 68.7 MB in 28s (2,421 kB/s)  
110 packages can be upgraded. Run 'apt list --upgradable' to see them.  
  
(sergio@SERGIO-W10)-[~]  
$ sudo apt full-upgrade -y
```

5º Execute a instalação de todos os pacotes de softwares no Kali Linux:

**\$sudo apt install kali-linux-large**

```
sergio@SERGIO-W10: ~  
  
(sergio@SERGIO-W10)-[~]  
$ sudo apt install kali-linux-large  
The following package was automatically installed and is no longer required:  
libencode-perl  
Use 'sudo apt autoremove' to remove it.  
  
Installing:  
kali-linux-large
```

Nas telas de configuração dos pacotes utilize as seguintes opções:

- Change MAC automatically? = yes
- Install Kismet "setuid root"? = yes
- User to add to the kismet group: = digite seu usuário do Kali e OK
- Should non-superusers be able to capture packets? = no
- Run sslh: = standalone OK

**Obs:** Para instalar somente o GUI padrão digite **\$sudo apt install kali-desktop-xfce -y**

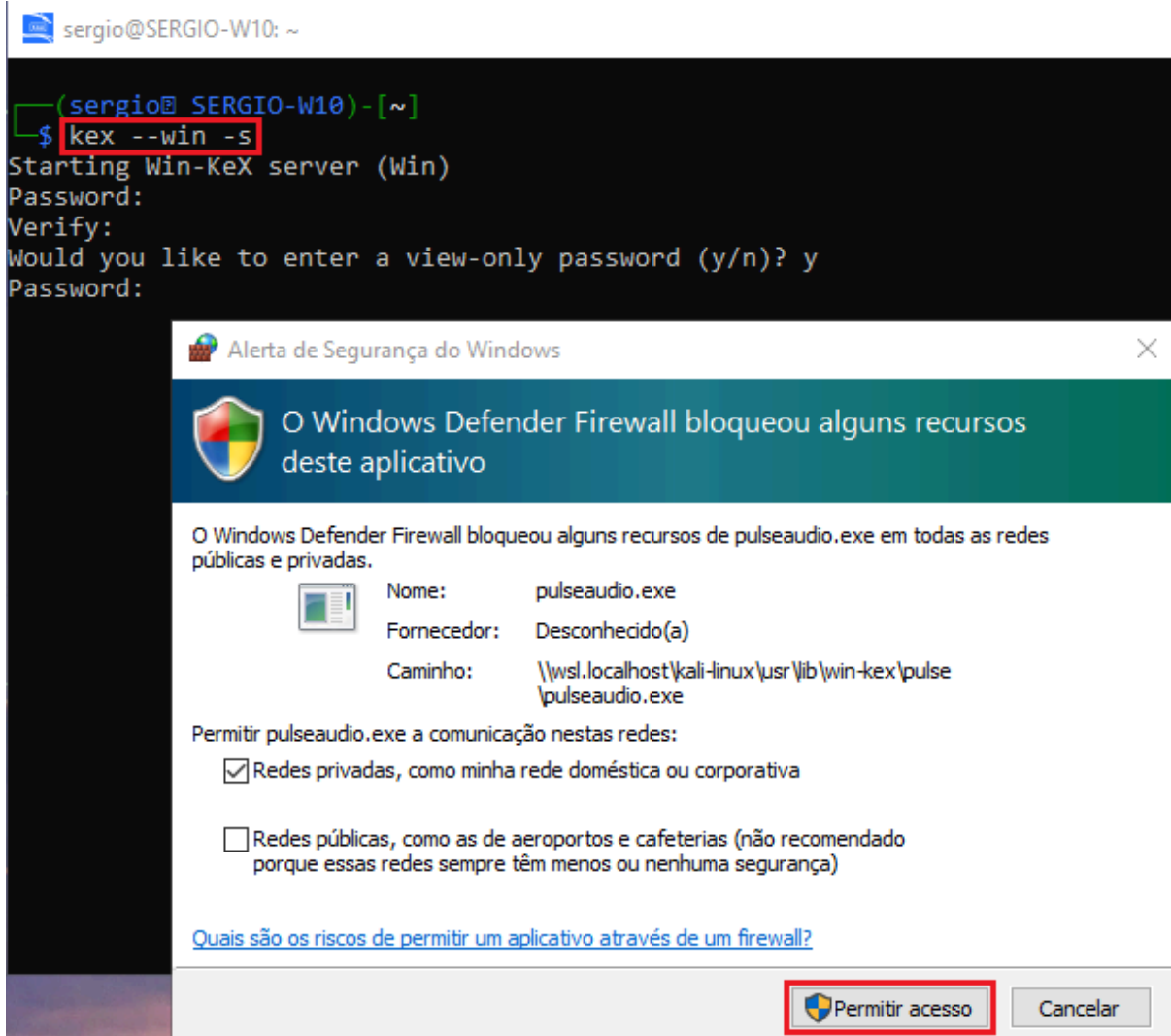
6º Instale o Win-Kex para acessar a interface gráfica do Kali Linux:

**\$sudo apt install kali-win-kex -y**

```
sergio@SERGIO-W10: ~  
  
(Message from Kali developers)  
  
This is a minimal installation of Kali Linux, you likely  
want to install supplementary tools. Learn how:  
■ https://www.kali.org/docs/troubleshooting/common-minimum-setup/  
  
(Run: "touch ~/.hushlogin" to hide this message)  
(sergio@SERGIO-W10)-[~]  
$ sudo apt install kali-win-kex -y
```

7º Execute o Win-Kex via shell pela primeira vez e digite uma senha:

**\$kex --win -s (passwd Servicekex)**

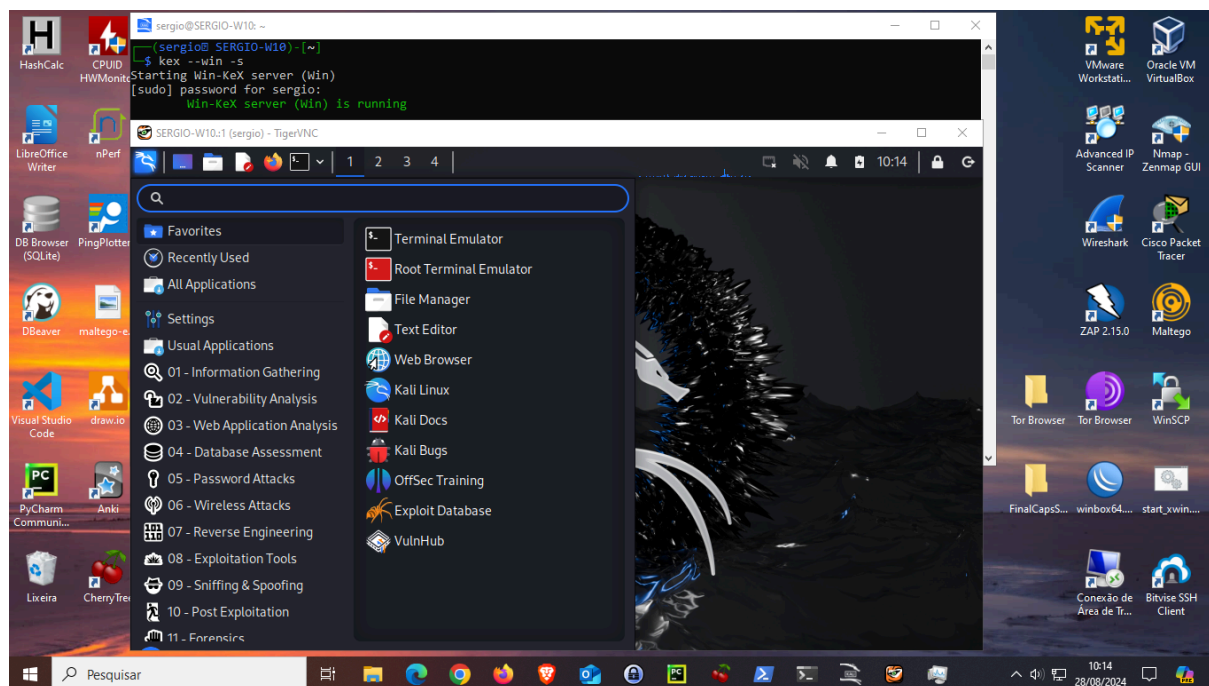


**Obs:** Opcional permitir acesso para execução de áudio no Kali Linux

Opcional RDP: **\$sudo apt install xrdp -y, \$sudo service xrdp start**

8º Neste ponto o acesso na interface gráfica do Kali Linux será executado automaticamente:

```
sergio@SERGIO-W10: ~  
  
(sergio@SERGIO-W10)-[~]  
$ kex --win -s  
Starting Win-Kex server (Win)  
Win-Kex server (Win) is running  
  
Win-Kex server sessions:  
  
X DISPLAY #      RFB PORT #      RFB UNIX PATH      PROCESS ID #      SERVER  
1              5901                
15429            Xtigervnc  
  
You can use the Win-Kex client (Win) to connect to any of these displays  
  
Starting Win-Kex client (Win)
```



**Obs:** Pressione a tecla F8 para minimizar ou desconectar a interface gráfica.

Instalar a última versão do docker no Kali-Linux:

<https://www.kali.org/docs/containers/installing-docker-on-kali/>

\$sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin  
docker-compose-plugin

**Obs:** Para iniciar ou parar um serviço via shell no WSL-2 utilize o comando “service”

**Ex:** “\$sudo service [start,stop, restart, status] docker”

**Fonte:** <https://www.kali.org/docs/wsl/win-kex/>