

systemd Linux (WSL)

systemd

?

- systemd daemon Linux background Services Windows
- application Linux Apache , Nginx , MySQL , PostgreSQL ,
- WSL systemd Microsoft WSL systemd version :

3 systemd WSL

1. systemd WSL version 2 (Windows 22H2)
2. systemd Auto /etc/wsl.conf ()
3. WSL systemd (systemd Auto Windows restart ,

1. WSL 2

<http://docs.limitrack.com/books/wsl-windows-subsystem-for-linux/page/wsl-lxF>

2. systemd Auto

Ubuntu 22.04 systemd Auto

Windows Terminal Ubuntu 22.04

bash shell Ubuntu 22.04

```
sudo nano /etc/wsl.conf
```

```
Command Prompt tanakorn@DESKTOP-1AV7VQH
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 5.15.146.1-microsoft-standard-WSL2 x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

This message is shown once a day. To disable it please create the
/home/██████████/.hushlogin file.
tanakorn@DESKTOP-1AV7VQH:~$ sudo nano /etc/wsl.conf
[sudo] password for ██████████: 
```

2

```
[boot]
systemd=true
```

```
Command Prompt tanakorn@DESKTOP-1AV7VQH
GNU nano 6.2 /etc/wsl.conf
[boot]
systemd=true

[ Read 2 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute  ^C Location  M-U Undo
^X Exit      ^R Read File ^\ Replace  ^U Paste     ^J Justify  ^_ Go To Line M-E Redo
```

save & exit (Ctrl+X Y)

3.

WSL

systemd

Windows Terminal (Powershell)

WSL

```
wsl --shutdown
```

```
C:\Users\>wsl --shutdown

C:\Users\>wsl -l -v
NAME                STATE      VERSION
* Debian            Stopped   2
Ubuntu-20.04        Stopped   2
AlmaLinux9           Stopped   1
Ubuntu-22.04        Stopped   2
```

Linux

Linux systemd Auto ()

```
sudo systemctl list-units --type=service --state=running
```

```
@DESKTOP-1AV7VQH:~$ sudo systemctl list-units --type=service --state=running
UNIT                                LOAD    ACTIVE SUB    DESCRIPTION
console-getty.service              loaded active running Console Getty
containerd.service                 loaded active running containerd container runtime
cron.service                        loaded active running Regular background program processing daemon
dbus.service                       loaded active running D-Bus System Message Bus
docker.service                     loaded active running Docker Application Container Engine
getty@tty1.service                  loaded active running Getty on tty1
glances.service                     loaded active running Glances
networkd-dispatcher.service         loaded active running Dispatcher daemon for systemd-networkd
nginx.service                       loaded active running A high performance web server and a reverse proxy server
rsyslog.service                    loaded active running System Logging Service
snap.ubuntu-desktop-installer.subiquity-server.service loaded active running Service for snap application ubuntu-desktop-installer.subiquity-server
snapd.service                       loaded active running Snap Daemon
systemd-journald.service             loaded active running Journal Service
systemd-logind.service               loaded active running User Login Management
systemd-resolved.service             loaded active running Network Name Resolution
systemd-udev.service                loaded active running Rule-based Manager for Device Events and Files
unattended-upgrades.service         loaded active running Unattended Upgrades Shutdown
user@1000.service                   loaded active running User Manager for UID 1000

LOAD = Reflects whether the unit definition was properly loaded.
ACTIVE = The high-level unit activation state, i.e. generalization of SUB.
SUB = The low-level unit activation state, values depend on unit type.
18 loaded units listed.
@DESKTOP-1AV7VQH:~$
```

application system daemon web server , file server , database serv

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