

INSTRUCTIONS

Where should files go : wttr.service -> /etc/systemd/system/

wttr.timer -> /etc/systemd/system/

wttr.sh -> ~/Documents/week10/

What commands are needed to start and enable the service and timer :

Sudo systemctl daemon-reload

Sudo systemctl start wttr

Screenshots of **commands used** and **systemctl status** commands to demonstrate that everything is working as intended. Succeeded.

```
vagrant@ubuntu-hirsute: ~/Documents/week10
cp: cannot create regular file '/etc/systemd/system/wttr.timer': Permission denied
vagrant@ubuntu-hirsute:~/Documents/week10$ sudo cp wttr.service wttr.timer /etc/systemd/system/
vagrant@ubuntu-hirsute:~/Documents/week10$ systemctl daemon-reload
==== AUTHENTICATING FOR org.freedesktop.systemd1.reload-daemon ====
Authentication is required to reload the systemd state.
Authenticating as: Ubuntu (ubuntu)
Password: Failed to reload daemon: Method call timed out
polkit-agent-helper-1: pam_authenticate failed: Authentication failure
vagrant@ubuntu-hirsute:~/Documents/week10$ ^C
vagrant@ubuntu-hirsute:~/Documents/week10$ sudo systemctl daemon-reload
vagrant@ubuntu-hirsute:~/Documents/week10$ sudo systemctl start wttr
vagrant@ubuntu-hirsute:~/Documents/week10$ sudo systemctl status wttr
• wttr.service - Weather service
  Loaded: loaded (/etc/systemd/system/wttr.service; disabled; vendor preset: enabled)
  Active: inactive (dead) since Thu 2021-11-11 21:03:26 UTC; 18s ago
  TriggeredBy: • wttr.timer
  Process: 3557 ExecStart=/home/vagrant/Documents/week10/wttr.sh (code=exited, status=0/SUCCESS)
  Main PID: 3557 (code=exited, status=0/SUCCESS)

Nov 11 21:03:26 ubuntu-hirsute systemd[1]: Started Weather service.
Nov 11 21:03:26 ubuntu-hirsute systemd[1]: wttr.service: Succeeded.
vagrant@ubuntu-hirsute:~/Documents/week10$ cat ..
cat: ..: Is a directory
vagrant@ubuntu-hirsute:~/Documents/week10$ cat ../weather.txt
Weather report: Burnaby, Canada

  Overcast
  9 °C
  ↓ 9 km/h
  48 km
  0.0 mm

  Thu 11 Nov
  Morning      Noon      Evening      Night
  Overcast 6 °C, 4-6 km/h, 10 km, 0.0 mm | 0%
  Overcast 8 °C, 4-6 km/h, 10 km, 0.0 mm | 0%
  Light rain +8(7) °C, 6-10 km/h, 9 km, 1.1 mm | 94%
  Light rain 9 °C, 2-3 km/h, 9 km, 2.2 mm | 92%

  Fri 12 Nov
  Morning      Noon      Evening      Night
  Light rain sho... +10(9) °C, 7-10 km/h, 10 km, 0.5 mm | 79%
  Mist +11(10) °C, 6-9 km/h, 2 km, 0.1 mm | 81%
  Patchy rain po... 9 °C, 3-5 km/h, 9 km, 0.2 mm | 73%
  Mist 7 °C, 3-6 km/h, 2 km, 0.1 mm | 74%

  Sat 13 Nov
  Morning      Noon      Evening      Night
  Overcast 6 °C, 3-5 km/h, 10 km, 0.0 mm | 0%
  Cloudy 8 °C, 4-5 km/h, 10 km, 0.0 mm | 0%
  Patchy light d... 7 °C, 4-6 km/h, 5 km, 0.2 mm | 77%
  Light rain +5(4) °C, 6-10 km/h, 9 km, 1.2 mm | 76%
```

Follow [@igor_chubin](#) for wttr.in updates

Service location:

```
vagrant@ubuntu-hirsute:~/Documents$ ls
assignment1 pipe1 weather.txt week10 week5 week6 week7 week9 wheater.txt
vagrant@ubuntu-hirsute:~/Documents$ cd /etc/systemd/system/
vagrant@ubuntu-hirsute:/etc/systemd/system$ ls
cloud-final.service.wants      multipath-tools.service      snap.lxd.daemon.service
cloud-init.target.wants        network-online.target.wants  snap.lxd.daemon.unix.socket
dbus-org.freedesktop.resolve1.service  open-vm-tools.service.requires  sockets.target.wants
dbus-org.freedesktop.timesync1.service  paths.target.wants            sshd.service
default.target.wants            rescue.target.wants           sysinit.target.wants
emergency.target.wants          snap-core20-1081.mount        syslog.service
final.target.wants              snap-core20-1169.mount        timers.target.wants
getty.target.wants              snap-lxd-21780.mount          vmtoolsd.service
graphical.target.wants          snap-lxd-21858.mount          wttr.service
iscsi.service                   snap-snapd-13640.mount        wttr.timer
mdmonitor.service.wants         snap-snapd-13831.mount
multi-user.target.wants         snap-lxd.activate.service
```

Unit files and script

Service unit file :

```
vagrant@ubuntu-hirsute: /etc/systemd/system
1 [Unit]
2 Description=Wheather service
3 Wants=network-online.target wttr.timer
4 After=network-online.target
5
6 [Service]
7 Type=simple
8 User=vagrant
9 ExecStart=/home/vagrant/Documents/week10/wttr.sh
10
11 [Install]
12 WantedBy=multi-user.target
~
~
~
~
~
~
```

Timer unit file:

```
1 [Unit]
2 Description=Run wttr daily
3 Requires=wttr.service
4
5 [Timer]
6 OnCalendar=daily
7 Persistent=true
8
9 [Install]
10 WantedBy=timers.target
```

[illegible]

Weather service credit : <https://github.com/chubin/wttr.in>