

ESE 2025 Week 4 Report Systemctl

Instructor:

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Introduction: This report is a summary of experimenting systemctl command on both the host machine and Beaglebone

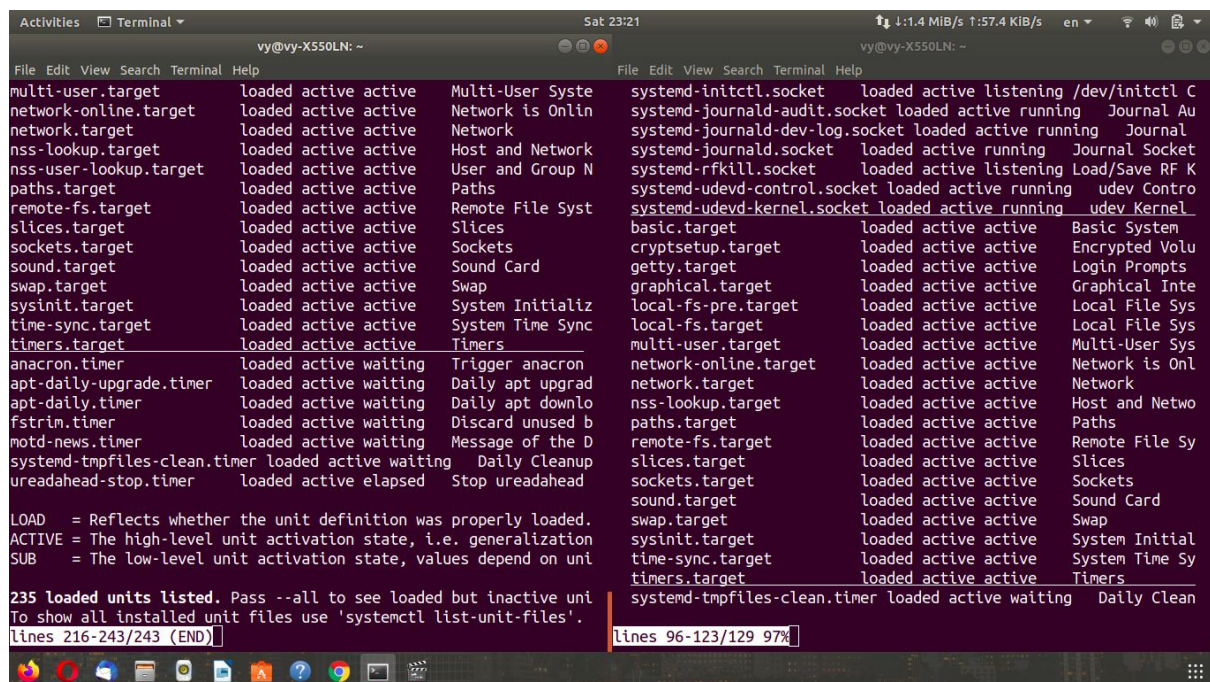
Discussion:

Requirement: Also, try out systemctl on your host machine and Beaglebone.

Compare the results. How many services is your desktop running compared to the Beaglebone or Pocket Beagle? Provide some screenshots in your report.

Answer:

After log into Beaglebone and tried the command on both machines. There is the result:



```
vy@vy-X550LN: ~  
File Edit View Search Terminal Help  
multi-user.target loaded active active Multi-User Syste  
network-online.target loaded active active Network is Onlin  
network.target loaded active active Network  
nss-lookup.target loaded active active Host and Network  
nss-user-lookup.target loaded active active User and Group N  
paths.target loaded active active Paths  
remote-fs.target loaded active active Remote File Syst  
slices.target loaded active active Slices  
sockets.target loaded active active Sockets  
sound.target loaded active active Sound Card  
swap.target loaded active active Swap  
sysinit.target loaded active active System Initializ  
time-sync.target loaded active active System Time Sync  
timers.target loaded active active Timers  
anacron.timer loaded active waiting Trigger anacron  
apt-daily-upgrade.timer loaded active waiting Daily apt upgrad  
apt-daily.timer loaded active waiting Daily apt downlo  
fstrim.timer loaded active waiting Discard unused b  
motd-news.timer loaded active waiting Message of the D  
systemd-tmpfiles-clean.timer loaded active waiting Daily Cleanup  
ureadahead-stop.timer loaded active elapsed Stop ureadahead  
  
LOAD = Reflects whether the unit definition was properly loaded.  
ACTIVE = The high-level unit activation state, i.e. generalization  
SUB = The low-level unit activation state, values depend on uni  
  
235 loaded units listed. Pass --all to see loaded but inactive uni  
To show all installed unit files use 'systemctl list-unit-files'.  
lines 216-243/243 (END)  
lines 96-123/129 97%
```

From where we can see on the host machine, there are 243 services are running while on Beagle bone there are only 129 services.

After the experiment I exit the Beaglebone by using:

\$sudo shutdown -h now

and enter the password: "temppwd"

Summary:

The command showing specifically how many and what kind of service is running on the machine, from where we can see the purposes of them.