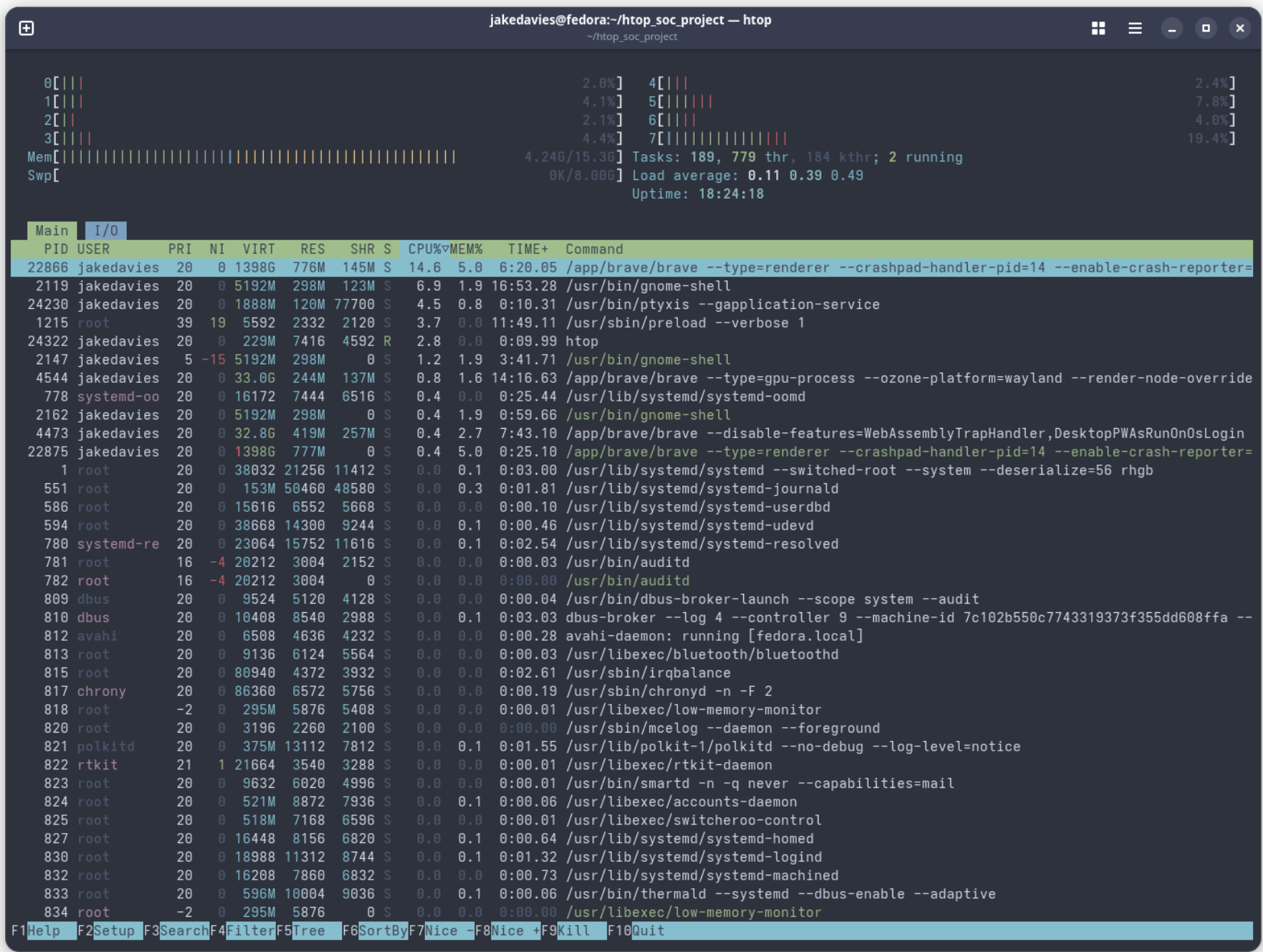
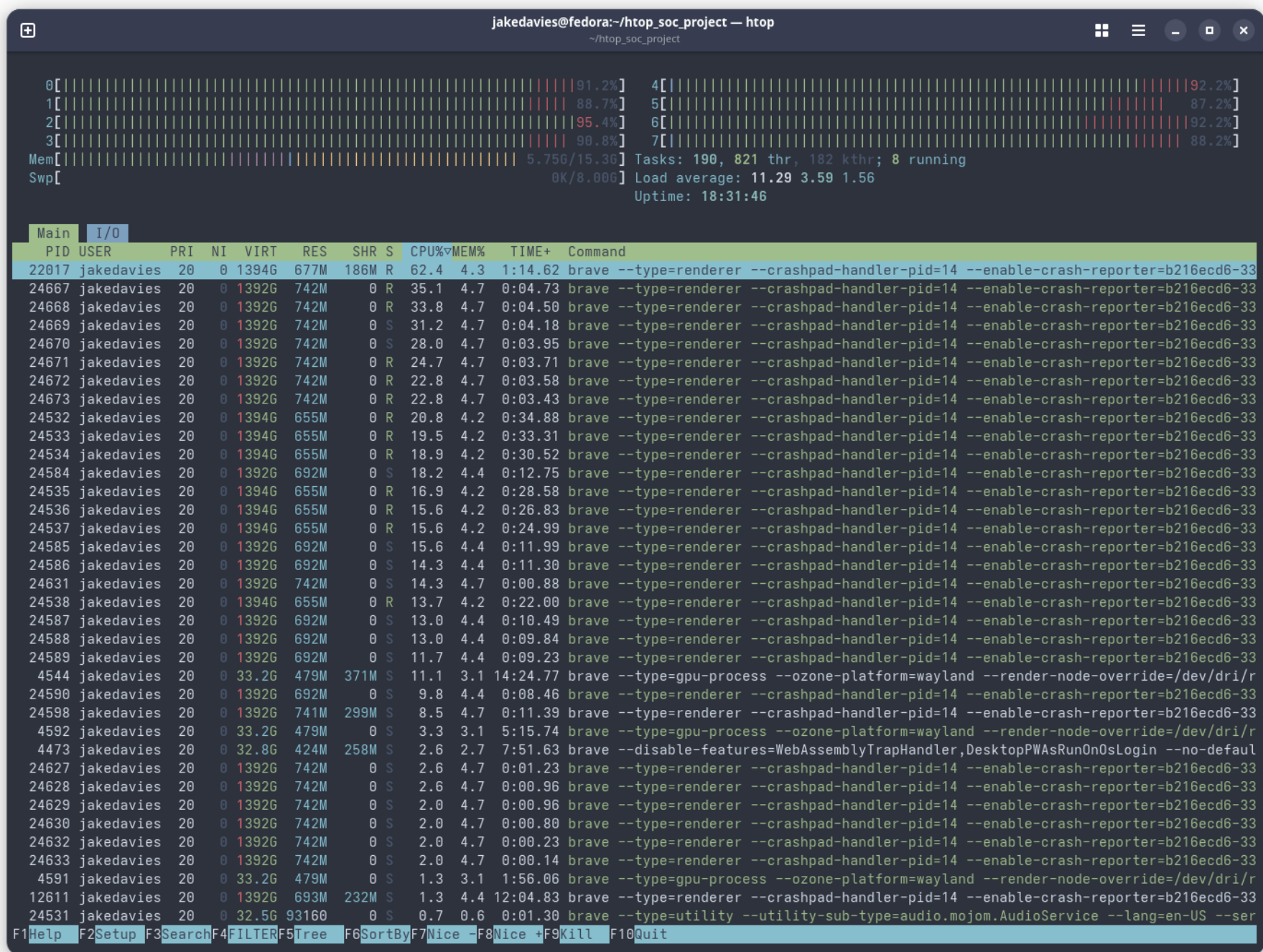


On the terminal i type **htop** to open the program.

Once on i filter the process using **F6** and **selecting CPU**. This then shows higher usage process jumping to the top making it easier to discover.



After this i then press **F4** to type **Brave** to only show Brave **processes**. Thus cutting out the noise.

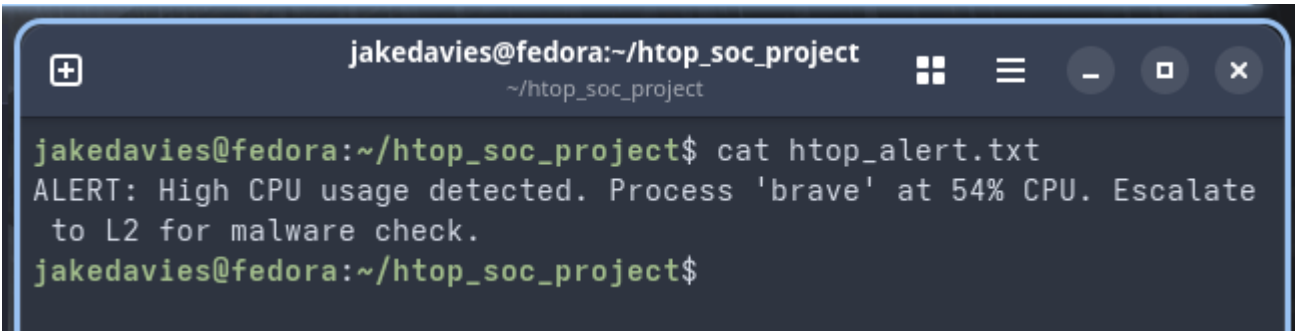


As we can see at the top it shows Brave browser with a **CPU %** of **60+**

After i found the **high CPU process** i then quit **htop** by pressing **q**

Step 3 - Escalate

Documented the alert using the **Echo** command to **htop_alert.txt** and used **cat htop_alert.txt** to show it on my terminal.



Also i decided to cross check using a new command i learnt which is ****ps aux | grep [process name]**




```
jakedavies@fedora:~/htop_soc_project
~/htop_soc_project

234066656,262144 --disable-features=DesktopPWAsRunOnOsLogin,EyeDropper,WebAssemblyTrapHandler --variations-seed-version=main@3f414f362d2cf54e91175aaf42a3669694fe4d96
jakedav+ 22017 42.6 4.4 1461829904 714764 ? Sl 14:43 42:25 /
app/brave/brave --type=renderer --crashpad-handler-pid=14 --enable-c
rash-reporter=b216ecd6-33f2-43b3-a1f0-233e850dc302, --enable-distill
ability-service --origin-trial-public-key=bYUKPJoPnCxeNvu72j4EmPuK7t
r1PAC7SHh8ld9Mw3E=,fMS4mp06buLQ/QMd+zJmxzty/VQ6B1EUZqoCU04zoRU= --ch
ange-stack-guard-on-fork=enable --ozone-platform=wayland --lang=en-U
S --num-raster-threads=4 --enable-main-frame-before-activation --ren
derer-client-id=189 --time-ticks-at-unix-epoch=-1761427930079144 --l
aunch-time-ticks=21649454166 --shared-files=v8_context_snapshot_data
:100 --metrics-shmem-handle=4,i,3002689125300677218,8581513587719306
22,2097152 --field-trial-handle=3,i,7698244786761223361,267659651723
4066656,262144 --disable-features=DesktopPWAsRunOnOsLogin,EyeDropper
,WebAssemblyTrapHandler --variations-seed-version=main@3f414f362d2cf
54e91175aaf42a3669694fe4d96
jakedav+ 22866 18.5 5.1 1466884832 822720 ? Sl 14:49 17:15 /
app/brave/brave --type=renderer --crashpad-handler-pid=14 --enable-c
rash-reporter=b216ecd6-33f2-43b3-a1f0-233e850dc302, --enable-distill
ability-service --origin-trial-public-key=bYUKPJoPnCxeNvu72j4EmPuK7t
r1PAC7SHh8ld9Mw3E=,fMS4mp06buLQ/QMd+zJmxzty/VQ6B1EUZqoCU04zoRU= --ch
ange-stack-guard-on-fork=enable --ozone-platform=wayland --lang=en-U
S --num-raster-threads=4 --enable-main-frame-before-activation --ren
derer-client-id=214 --time-ticks-at-unix-epoch=-1761427930079144 --l
aunch-time-ticks=22028540314 --shared-files=v8_context_snapshot_data
:100 --metrics-shmem-handle=4,i,15277481941362526189,187888727415996
2827,2097152 --field-trial-handle=3,i,7698244786761223361,2676596517
234066656,262144 --disable-features=DesktopPWAsRunOnOsLogin,EyeDropper
,WebAssemblyTrapHandler --variations-seed-version=main@3f414f362d2cf
54e91175aaf42a3669694fe4d96
jakedav+ 24615 0.0 0.4 1459926736 76204 ? Sl 16:03 0:00 /
app/brave/brave --type=renderer --crashpad-handler-pid=14 --enable-c
rash-reporter=b216ecd6-33f2-43b3-a1f0-233e850dc302, --enable-distill
ability-service --origin-trial-public-key=bYUKPJoPnCxeNvu72j4EmPuK7t
r1PAC7SHh8ld9Mw3E=,fMS4mp06buLQ/QMd+zJmxzty/VQ6B1EUZqoCU04zoRU= --ch
ange-stack-guard-on-fork=enable --ozone-platform=wayland --lang=en-U
S --num-raster-threads=4 --enable-main-frame-before-activation --ren
derer-client-id=226 --time-ticks-at-unix-epoch=-1761427930079144 --l
aunch-time-ticks=26467514102 --shared-files=v8_context_snapshot_data
:100 --metrics-shmem-handle=4,i,1690464906406662763,1722563069175057
6683,2097152 --field-trial-handle=3,i,7698244786761223361,2676596517
234066656,262144 --disable-features=DesktopPWAsRunOnOsLogin,EyeDropper
,WebAssemblyTrapHandler --variations-seed-version=main@3f414f362d2cf
54e91175aaf42a3669694fe4d96
jakedav+ 25130 0.0 0.0 231252 2536 pts/0 S+ 16:22 0:00 g
rep --color=auto brave
jakedavies@fedora:~/htop_soc_project$ _
```

```
dle=4,i,12590979685588624832,9164888262363651600,2097152 --field-trial-handle=3,i,7698
ations-seed-version=main@3f414f362d2cf54e91175aaf42a3669694fe4d96
jakedav+ 22017 42.6 4.4 1461829904 714764 ? Sl 14:43 42:25 /app/brave/brave --
service --origin-trial-public-key=bYUKPJoPnCxeNvu72j4EmPuK7tr1PAC7SHh8ld9Mw3E=,fMS4mp0
hreads=4 --enable-main-frame-before-activation --renderer-client-id=189 --time-ticks-a
dle=4,i,3002689125300677218,858151358771930622,2097152 --field-trial-handle=3,i,769824
ions-seed-version=main@3f414f362d2cf54e91175aaf42a3669694fe4d96
jakedav+ 22866 18.5 5.1 1466884832 822720 ? Sl 14:49 17:15 /app/brave/brave --
service --origin-trial-public-key=bYUKPJoPnCxeNvu72j4EmPuK7tr1PAC7SHh8ld9Mw3E=,fMS4mp0
hreads=4 --enable-main-frame-before-activation --renderer-client-id=214 --time-ticks-a
dle=4,i,15277481941362526189,1878887274159962827,2097152 --field-trial-handle=3,i,7698
```

As we can see under the **PID's 22017 & 22866** There are two high **CPU's** reading at **42.6 & 18.5**

Overview

Simulated a SOC alert for high CPU usage using `htop` on Fedora 42, mimicking malware triage for Evalian's L1 role.

Step 1: Setup

Created folder with `mkdir ~/htop_soc_project` and navigated with `cd`.

Step 2: Monitor Processes

Used `htop`, sorted by CPU (`F6`), filtered `firefox` (`F4`), paused (`F2`).

Step 3: Escalate

Created ticket with `echo` to `htop_alert.txt`.

Step 4 (Optional): Cross-Check

Used `ps aux | grep brave` to confirm.

Tie to SOC

Shows I can monitor systems with `htop` and escalate anomalies, per Evalian's requirements. Links to Cyber Kill Chain's Exploitation stage (malware).