

Linux Screen Tutorial

Start from scratch

```
PROBLEMS  DEBUG CONSOLE  TERMINAL  PORTS

○ ubuntu@ip-172-31-39-175:~$ sudo su
root@ip-172-31-39-175:/home/ubuntu# screen -ls
No Sockets found in /run/screen/S-root.

root@ip-172-31-39-175:/home/ubuntu#
```

Type screen and Press Enter

```
GNU Screen version 4.09.00 (GNU) 30-Jan-22

Copyright (c) 2018-2020 Alexander Naumov, Amadeusz Slawinski
Copyright (c) 2015-2017 Juergen Weigert, Alexander Naumov, Amadeusz Slawinski
Copyright (c) 2010-2014 Juergen Weigert, Sadrul Habib Chowdhury
Copyright (c) 2008-2009 Juergen Weigert, Michael Schroeder, Micah Cowan, Sadrul Habib Chowdhury
Copyright (c) 1993-2007 Juergen Weigert, Michael Schroeder
Copyright (c) 1987 Oliver Laumann

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

[Press Space for next page; Return to end.]
```

Press Enter

```
PROBLEMS  DEBUG CONSOLE  TERMINAL  PORTS

root@ip-172-31-39-175:/home/ubuntu# cd Zerodha/
root@ip-172-31-39-175:/home/ubuntu/Zerodha# ls
'Strategy_indicator_websocket_n3 (2).py'  'Strategy_level_websocket_n3_trail.py'  Zerodha_FAQ.docx  helper_zerodha.py  zerodha_access_token.txt  zerodha_login.py
'Strategy_level_websocket_n3 (1).py'      'Strategy_option_websocket_n2 (2).py'  __pycache__       zerodha_abc.py      zerodha_api_key.txt      zerodha_subscribe_n1.py
root@ip-172-31-39-175:/home/ubuntu/Zerodha# python3 zerodha_subscribe_n1.py
```

python3 zerodha_subscribe_n1.py

```
chandeleeor_mait C:\Users\sahil\Jan2024
TVBridge C:\Users\sahil\Jan2024

PROBLEMS  DEBUG CONSOLE  TERMINAL  PORTS  1

0.25, 'INFO:FINNIFTY2440220400CE': 751.3, 'INFO:FINNIFTY2440220850PE': 36.1, 'INFO:BANKNIFTY2440346600PE': 90.0, 'INFO:BANKNIFTY2440347400PE': 355.75, 'INFO:NIFTY2440221050CE': 678.0, 'INFO:NIFTY2440221080PE': 0.05, 'INFO:NIFTY2440222900PE': 573.7, 'INFO:FINNIFTY2440221750CE': 2.35, 'INFO:NIFTY2440223100CE': 0.05, 'INFO:NIFTY2440220500PE': 0.15, 'INFO:FINNIFTY2440220450CE': 712.95, 'INFO:FINNIFTY2440220800PE': 5.0, 'INFO:NIFTY2440231500PE': 1022.05, 'INFO:BANKNIFTY2440347600PE': 473.15, 'NSE:ADANIIPORTS': 1341.85, 'INFO:NIFTY2440229500PE': 622.35, 'INFO:FINNIFTY2440221450CE': 7.25, 'INFO:FINNIFTY2440220750PE': 23.7, 'INFO:FINNIFTY2440221550PE': 0.0, 'INFO:NIFTY2440221000PE': 0.1, 'INFO:NIFTY2440223500PE': 23.1, 'INFO:FINNIFTY2440221800CE': 2.0, 'INFO:FINNIFTY2440220900PE': 47.0, 'INFO:NIFTY2440226000PE': 0.05, 'INFO:NIFTY2440220300PE': 0.1, 'INFO:BANKNIFTY2440346800CE': 63.55, 'INFO:BANKNIFTY2440346800PE': 770.0, 'INFO:FINNIFTY2440220700CE': 360.0, 'INFO:FINNIFTY2440221600PE': 482.5, 'INFO:NIFTY2440221500CE': 826.45, 'INFO:NIFTY2440223000CE': 0.05, 'INFO:FINNIFTY2440220550CE': 570.35, 'INFO:FINNIFTY2440221100PE': 122.0, 'INFO:FINNIFTY2440221800PE': 841.35, 'INFO:NIFTY2440221850CE': 477.15, 'INFO:BANKNIFTY2440347800PE': 610.1, 'INFO:FINNIFTY2440220150PE': 2.4, 'INFO:FINNIFTY2440221300PE': 275.95, 'INFO:NIFTY2440223000PE': 0.1, 'INFO:BANKNIFTY2440346200CE': 1134.25, 'INFO:FINNIFTY2440220250CE': 0.0, 'INFO:FINNIFTY2440221050CE': 85.0, 'INFO:FINNIFTY2440221350PE': 320.0, 'INFO:BANKNIFTY2440346100CE': 1217.4, 'INFO:FINNIFTY2440220050CE': 0.0, 'INFO:NIFTY2440221750PE': 0.05, 'INFO:BANKNIFTY2440347000PE': 187.1, 'INFO:NIFTY2440221600CE': 727.2, 'INFO:FINNIFTY2440221050PE': 96.0, 'INFO:FINNIFTY2440221750PE': 935.05, 'INFO:FINNIFTY2440221850PE': 0.0, 'NSE:INFY': 1498.05, 'INFO:FINNIFTY2440221100CE': 59.3, 'INFO:FINNIFTY2440221700CE': 1.8, 'INFO:FINNIFTY2440221500PE': 458.3, 'INFO:NIFTY244022250CE': 77.55, 'INFO:NIFTY2440221550PE': 0.05, 'INFO:BANKNIFTY2440346300CE': 1034.4, 'INFO:BANKNIFTY2440347100PE': 223.05, 'INFO:FINNIFTY2440221400CE': 9.95, 'INFO:NIFTY2440220000CE': 327.4, 'INFO:NIFTY2440226000PE': 272.3, 'INFO:BANKNIFTY2440346800PE': 131.15, 'INFO:NIFTY2440228000CE': 0.05, 'INFO:NIFTY2440221350PE': 0.05, 'INFO:BANKNIFTY2440346600CE': 783.8, 'INFO:BANKNIFTY2440347900CE': 80.4, 'INFO:FINNIFTY2440221650PE': 0.0, 'INFO:FINNIFTY2440221600CE': 3.95, 'INFO:NIFTY2440223150CE': 0.05, 'INFO:NIFTY2440220500PE': 723.35, 'INFO:BANKNIFTY2440346400PE': 62.95, 'INFO:BANKNIFTY2440346900PE': 158.8, 'INFO:FINNIFTY2440219000CE': 0.0, 'INFO:FINNIFTY2440220950CE': 145.4, 'INFO:FINNIFTY2440221200CE': 32.0, 'INFO:FINNIFTY2440221500CE': 2.1, 'INFO:FINNIFTY2440220000PE': 2.3, 'INFO:FINNIFTY2440220350PE': 4.0, 'INFO:FINNIFTY2440221250CE': 21.9, 'INFO:NIFTY2440221600PE': 0.05, 'INFO:NIFTY2440221700PE': 0.05, 'INFO:FINNIFTY2440220300CE': 622.0
223.233.65.22 - - [28/Mar/2024 11:05:35] "GET /http://instrument=NFO:NIFTY2440222500PE HTTP/1.1" 200 -
```

After successful running to get out of screen (detach) Press **Ctrl + A D**

screen -ls

to confirm

```
ubuntu@ip-172-31-39-175:~$ sudo su
root@ip-172-31-39-175:/home/ubuntu# screen -ls
No Sockets found in /run/screen/S-root.

root@ip-172-31-39-175:/home/ubuntu# screen
[detached from 8380.pts-2.ip-172-31-39-175]
root@ip-172-31-39-175:/home/ubuntu# screen -ls
There is a screen on:
      8380.pts-2.ip-172-31-39-175      (03/28/24 11:03:24)      (Detached)
1 Socket in /run/screen/S-root.
root@ip-172-31-39-175:/home/ubuntu#
```

Below command to terminate screen.

screen -X -S (screen id) quit

```
ubuntu@ip-172-31-39-175:~$ sudo su
root@ip-172-31-39-175:/home/ubuntu# screen -ls
No Sockets found in /run/screen/S-root.

root@ip-172-31-39-175:/home/ubuntu# screen
[detached from 8380.pts-2.ip-172-31-39-175]
root@ip-172-31-39-175:/home/ubuntu# screen -ls
There is a screen on:
      8380.pts-2.ip-172-31-39-175      (03/28/24 11:03:24)      (Detached)
1 Socket in /run/screen/S-root.
root@ip-172-31-39-175:/home/ubuntu# screen -X -S 8380 quit
```

Terminate any excess screens.

To resume Screen

screen -r (screen id)

```
root@ip-172-31-39-175:/home/ubuntu# screen -r 10802
```

Do not close terminal without detaching screen using Ctrl + A D

If screen remains attached

```
ubuntu@ip-172-31-39-175:~$ sudo su
root@ip-172-31-39-175:/home/ubuntu# screen -ls
There is a screen on:
    10802.pts-2.ip-172-31-39-175    (03/28/24 11:12:06)    (Attached)
1 Socket in /run/screen/S-root.
root@ip-172-31-39-175:/home/ubuntu# screen -r
There is a screen on:
    10802.pts-2.ip-172-31-39-175    (03/28/24 11:12:06)    (Attached)
There is no screen to be resumed.
root@ip-172-31-39-175:/home/ubuntu#
```

screen -r

won't work therefore detach screen using

screen -D -S (screen id)

```
root@ip-172-31-39-175:/home/ubuntu# screen -r
There is a screen on:
    10802.pts-2.ip-172-31-39-175    (03/28/24 11:12:06)    (Attached)
There is no screen to be resumed.
root@ip-172-31-39-175:/home/ubuntu# screen -D -S 10802
[10802.pts-2.ip-172-31-39-175 power detached.]

root@ip-172-31-39-175:/home/ubuntu#
```

Then attach again using screen -r (screen id)

Reference: <https://stackoverflow.com/a/27685340>