1. Pastikan file nya lengkap

Folder **data:** berisi data mentah sosreport (masukan semua data sosreport disini)
Folder **output:** berisi output data hasil olahan, termasuk grafik hasil plot

```
[probation@kgfathur uat_oke]$ ls -l
total 40
-rw-rw-r--. 1 probation probation 3470 Dec 26 13:37 average.sh
drwxrwxr-x. 2 probation probation 4096 Feb 11 20:45 data
-rw-------. 1 probation probation 8714 Dec 27 17:30 graph_oke.py
-rw-rw-r--. 1 probation probation  305 Feb 11 22:08 log
drwxrwxr-x. 7 probation probation  118 Feb 11 22:08 output
-rw-rw-r--. 1 probation probation  282 Feb 11 21:29 README.md
-rwx--x--x. 1 probation probation 7054 Feb 11 20:50 scriptv5.sh
-rwx--x--x. 1 probation probation 3470 Dec 26 11:44 testoke.sh
[probation@kgfathur uat_oke]$
```
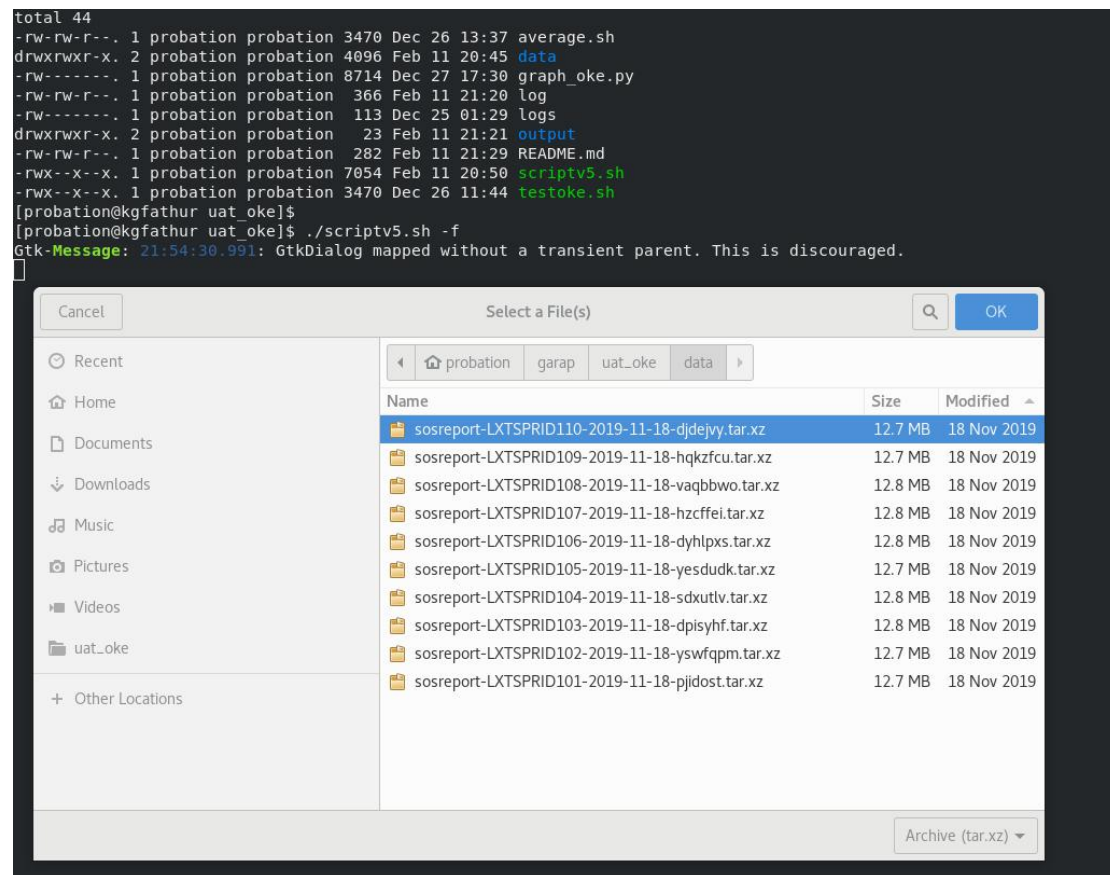
2. Jalankan script utama
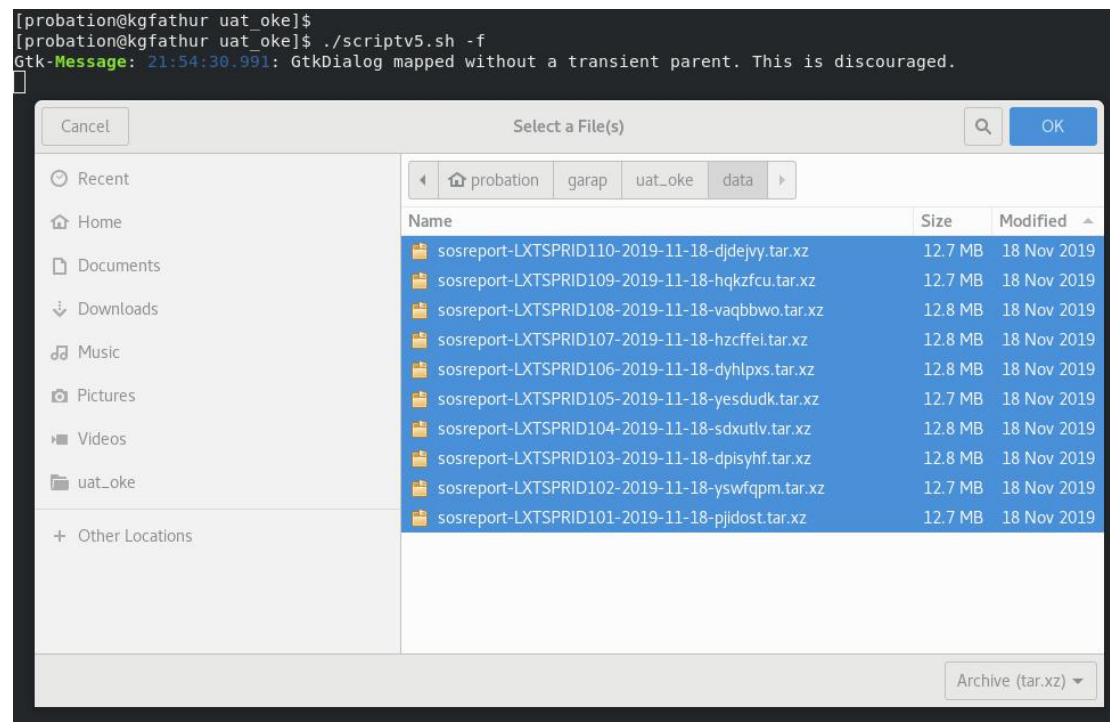
scriptv5.sh   (pastikan chmod :D)
Pakai -f kalo ingin menimpa file output data hasil sebelumnya

```
[probation@kgfathur uat_oke]$
[probation@kgfathur uat_oke]$ ./scriptv5.sh -f
```

3. Setelah dijalankan akan milih data mentah sosreport (bentuk archive tar.xz)
    Boleh pilih satu atau lebih file sekaligus, mantap kan :D

```
total 44
-rw-rw-r--. 1 probation probation 3470 Dec 26 13:37 average.sh
drwxrwxr-x. 2 probation probation 4096 Feb 11 20:45 data
-rw-------. 1 probation probation 8714 Dec 27 17:30 graph_oke.py
-rw-rw-r--. 1 probation probation  366 Feb 11 21:20 log
-rw-------. 1 probation probation  113 Feb 25 01:29 logs
drwxrwxr-x. 2 probation probation   23 Feb 11 21:21 output
-rw-rw-r--. 1 probation probation  282 Feb 11 21:29 README.md
-rwx--x--x. 1 probation probation 7054 Feb 11 20:50 scriptv5.sh
-rwx--x--x. 1 probation probation 3470 Dec 26 11:44 testoke.sh
[probation@kgfathur uat_oke]$
[probation@kgfathur uat_oke]$ ./scriptv5.sh -f
Gtk-Message: 21:54:30.991: GtkDialog mapped without a transient parent. This is discouraged.
```


Pilih semua file juga okeh,

```
[probation@kgfathur uat_oke]$
[probation@kgfathur uat_oke]$ ./scriptv5.sh -f
Gtk-Message: 21:54:30.991: GtkDialog mapped without a transient parent. This is discouraged.
```


Setelah klik oke tinggal ditunggu sambil ngopi

Proses pengolahan data setelah klik oke pilih file

```
[probation@kgfathur uat_oke]$
[probation@kgfathur uat_oke]$ ./scriptv5.sh -f
Gtk-Message: 21:54:30.991: GtkDialog mapped without a transient parent. This is discouraged.
file:/home/probation/garap/uat_oke/data/sosreport-LXTSPRID110-2019-11-18-djdejvy.tar.xz /home/probation/garap/uat_oke/da
ar.xz /home/probation/garap/uat_oke/data/sosreport-LXTSPRID108-2019-11-18-vaqbbwo.tar.xz /home/probation/garap/uat_oke/d
tar.xz /home/probation/garap/uat_oke/data/sosreport-LXTSPRID106-2019-11-18-dyhlpxs.tar.xz /home/probation/garap/uat_oke/
.tar.xz /home/probation/garap/uat_oke/data/sosreport-LXTSPRID104-2019-11-18-sdxutlv.tar.xz /home/probation/garap/uat_oke
f.tar.xz /home/probation/garap/uat_oke/data/sosreport-LXTSPRID102-2019-11-18-yswfqpm.tar.xz /home/probation/garap/uat_ok
st.tar.xz
file selected: /home/probation/garap/uat_oke/data/sosreport-LXTSPRID110-2019-11-18-djdejvy.tar.xz
host           : LXTSPRID110
File FP        : /home/probation/garap/uat_oke/data/sosreport-LXTSPRID110-2019-11-18-djdejvy.tar.xz
File Name      : sosreport-LXTSPRID110-2019-11-18-djdejvy.tar.xz
Out Dir        : /home/probation/garap/uat_oke/output/LXTSPRID110
File Extracted : sosreport-LXTSPRID110-2019-11-18-djdejvy/var/log/sa/sar*
awal: true
awal: false
replacing... true
Extracted to   : /home/probation/garap/uat_oke/output/LXTSPRID110
processing...
sorting...
host: LXTSPRID110
days: 11

1) CPU USAGE
Tanggal %usr %nice %sys %iowait %steal %irq %soft %guest %gnice %idle
2019-11-07 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
2019-11-08 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
2019-11-09 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
2019-11-10 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
2019-11-11 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
2019-11-12 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
2019-11-13 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
2019-11-14 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
2019-11-15 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
2019-11-16 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
2019-11-17 0.03 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 99.95
::
2) RAM USAGE
Tanggal kbmemfree kbmemused %memused kbbuffers kbcached kbcommit %commit kbactive kbinact kbdirty
2019-11-07 507008167 20825613 3.95 805279 13801463 5028347 0.90 15360405 247788 87
2019-11-08 507003015 20830765 3.95 806999 13804336 5029222 0.90 15363703 249349 63
2019-11-09 507011474 20822306 3.94 808566 13797341 5029361 0.90 15359503 247131 64
2019-11-10 507007530 20826250 3.95 810003 13795331 5030078 0.90 15360283 246823 61
2019-11-11 507005516 20828264 3.95 811276 13796077 5030058 0.90 15363014 246273 80
2019-11-12 507006792 20826988 3.95 812736 13795377 5029715 0.90 15363422 245935 62
2019-11-13 506995924 20837856 3.95 813979 13804918 5036952 0.90 15366242 254583 91
```

Ditunggu …

```
::
5) NETWORK: bond1
Tanggal IFACE rxpck/s txpck/s rxkB/s txkB/s rxcmp/s txcmp/s rxmcst/s
2019-11-07 bond1 0.33 0.21 0.03 0.02 0.00 0.00 0.00
2019-11-08 bond1 0.33 0.21 0.03 0.02 0.00 0.00 0.00
2019-11-09 bond1 0.33 0.21 0.03 0.02 0.00 0.00 0.00
2019-11-10 bond1 0.33 0.21 0.03 0.02 0.00 0.00 0.00
2019-11-11 bond1 0.33 0.21 0.03 0.02 0.00 0.00 0.00
2019-11-12 bond1 0.33 0.21 0.03 0.02 0.00 0.00 0.00
2019-11-13 bond1 0.33 0.21 0.03 0.02 0.00 0.00 0.00
2019-11-14 bond1 0.32 0.21 0.03 0.02 0.00 0.00 0.00
2019-11-15 bond1 0.33 0.21 0.03 0.02 0.00 0.00 0.00
2019-11-16 bond1 0.33 0.21 0.03 0.02 0.00 0.00 0.00
2019-11-17 bond1 0.33 0.21 0.03 0.02 0.00 0.00 0.00
::
6) NETWORK: eno3
Tanggal IFACE rxpck/s txpck/s rxkB/s txkB/s rxcmp/s txcmp/s rxmcst/s
2019-11-07 eno3 56.34 0.00 5.21 0.00 0.00 0.00 9.52
2019-11-08 eno3 55.91 0.00 5.17 0.00 0.00 0.00 9.53
2019-11-09 eno3 75.57 0.00 6.93 0.00 0.00 0.00 12.93
2019-11-10 eno3 78.32 0.00 7.19 0.00 0.00 0.00 12.94
2019-11-11 eno3 65.72 0.00 6.03 0.00 0.00 0.00 10.81
2019-11-12 eno3 55.74 0.00 5.13 0.00 0.00 0.00 9.50
2019-11-13 eno3 54.42 0.00 5.02 0.00 0.00 0.00 9.34
2019-11-14 eno3 53.74 0.00 4.96 0.00 0.00 0.00 9.34
2019-11-15 eno3 53.19 0.00 4.91 0.00 0.00 0.00 9.32
2019-11-16 eno3 63.96 0.00 5.91 0.00 0.00 0.00 10.42
2019-11-17 eno3 68.69 0.00 6.33 0.00 0.00 0.00 10.80
::
plotting...
.
.
.
.......
.......
.......
.......
......
[probation@kgfathur uat_oke]$ gsa f step08.png
```

Selesai

Contoh folder **output** kalau sudah sukses prosesnya

```
[probation@kgfathur uat_oke]$ ls -l output/
total 44
drwxrwxr-x. 2 probation probation 4096 Feb 11 21:55 LXTSPRID101
drwxrwxr-x. 2 probation probation 4096 Feb 11 21:55 LXTSPRID102
drwxrwxr-x. 2 probation probation 4096 Feb 11 21:55 LXTSPRID103
drwxrwxr-x. 2 probation probation 4096 Feb 11 21:55 LXTSPRID104
drwxrwxr-x. 2 probation probation 4096 Feb 11 21:55 LXTSPRID105
drwxrwxr-x. 2 probation probation 4096 Feb 11 21:55 LXTSPRID106
drwxrwxr-x. 2 probation probation 4096 Feb 11 21:55 LXTSPRID107
drwxrwxr-x. 2 probation probation 4096 Feb 11 21:55 LXTSPRID108
drwxrwxr-x. 2 probation probation 4096 Feb 11 21:55 LXTSPRID109
drwxrwxr-x. 2 probation probation 4096 Feb 11 21:55 LXTSPRID110
-rw-rw-r--. 1 probation probation   62 Feb 11 20:48 README.md
[probation@kgfathur uat_oke]$
```

Struktur folder **output** kurang lebih beigini

```
[probation@kgfathur uat_oke]$ tree output/
output/
└── LXTSPRID101
    ├── log_sar01
    ├── log_sar02
    ├── log_sar03
    ├── log_sar04
    ├── log_sar05
    ├── log_sar06
    ├── log_sar07
    ├── log_sar08
    ├── log_sar09
    ├── log_sar10
    ├── log_sar11
    ├── log_sar12
    ├── log_sar13
    ├── log_sar14
    ├── log_sar15
    ├── log_sar16
    ├── log_sar17
    ├── log_sar29
    ├── log_sar30
    ├── log_sar31
    ├── LXTSPRID101_cpu_idle.png
    ├── LXTSPRID101_cpu.png
    ├── LXTSPRID101_net_bond0.png
    ├── LXTSPRID101_net_bond1.png
    ├── LXTSPRID101_net_eno3.png
    ├── LXTSPRID101_ram_kbcache.png
    ├── LXTSPRID101_ram_kbmem.png
    ├── LXTSPRID101_ram_memused.png
    ├── LXTSPRID101_swap.png
    ├── output.xlsx
    ├── out_sorted.xlsx
    ├── plot_cpu
    ├── plot_net1
    ├── plot_net2
    ├── plot_net3
    ├── plot_ram
    ├── plots
    ├── plot_swp
    ├── sar01
    ├── sar02
    ├── sar03
    ├── sar04
    ├── sar05
    ├── sar06
    ├── sar07
    ├── sar08
    ├── sar09
    ├── sar10
    ├── sar11
    ├── sar12
    ├── sar13
```