## RENAN ALVES ROCHA

## 2ADS-C

```
urubul000000K-6RCT1IF8T6:/home$ : sudo = switch user and do
su = swtich user
su: user = does not exist or the user entry does not contain all the required fields
urubul0000B0OK-6RCT1IF8T6:/home$ su urubul00
Password:
urubul0000B0OK-6RCT1IF8T6:/home$ sudo apt update
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [119 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [14.1 MB]
Get:5 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [19.9 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1208 kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [219 kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1480 kB]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [245 kB]
Get:10 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [847 kB]
Get:11 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [37.1 kB]
Get:12 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [37.1 kB]
Get:13 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [161 kB]
Get:14 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7476 B]
Get:15 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7476 B]
Get:16 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [1646 kB]
Get:17 http://archive.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [1646 kB]
Get:18 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [16476 B]
Get:19 http://archive.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [16476 B]
Get:19 http://archive.ubuntu.com/ubuntu jammy-security/multiverse [1650 kB]
Get:20 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [179 kB]
Get:21 htt
```

```
urubu100@BOOK-6RCT1IF8T6:~$ sudo adduser zecaurubu
[sudo] password for urubu100:
Adding user 'zecaurubu' ...
Adding new group 'zecaurubu' (1001) ...
Adding new user 'zecaurubu' (1001) with group 'zecaurubu' ...
Creating home directory '/home/zecaurubu' ...
Copying files from '/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for zecaurubu
Enter the new value, or press ENTER for the default
Full Name []: zeca urubu
          Room Number []: 11954610168
Work Phone []:
Home Phone []:
          Other []:
Is the information correct? [Y/n] y urubu100@BOOK-6RCT1IF8T6:~$ su zecaurubu
zecaurubu@BOOK-6RCT1IF8T6:/home/urubu100$ su urubu100
Password:
urubu100@BOOK-6RCT1IF8T6:~$ cd ...
urubu100@BOOK-6RCT1IF8T6:/home$ cd ..
urubu100@BOOK-6RCT11F8T6://home$ cd ..
urubu100@BOOK-6RCT11F8T6://$ cd /home
urubu100@BOOK-6RCT11F8T6:/home$ top
top - 20:48:44 up 8 min, 0 users, load average: 0.52, 0.58, 0.59
Tasks: 8 total, 1 running, 7 sleeping, 0 stopped, 0 zombie
%Cpu(s): 1.0 us, 1.1 sy, 0.0 ni, 97.9 id, 0.0 wa, 0.1 hi, 0.0 si, 0.0
MiB Mem : 7894.3 total, 2819.2 free, 4851.1 used, 224.0 buff/cache
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
urubu100@BOOK-6RCT1IF8T6:~$ sudo adduser zecaurubu
[sudo] password for urubu100:
Adding user `zecaurubu' ...
Adding new group 'zecaurubu' (1001) ...
Adding new user 'zecaurubu' (1001) with group 'zecaurubu' ...
Creating home directory '/home/zecaurubu' ...
Copying files from '/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for zecaurubu
Enter the new value, or press ENTER for the default Full Name []: zeca urubu
            Room Number []: 11954610168
            Work Phone []:
            Home Phone []:
            Other []:
Is the information correct? [Y/n] y
urubu100@BOOK-6RCT1IF8T6:~$ su zecaurubu
Password:
zecaurubu@BOOK-6RCT1IF8T6:/home/urubu100$
```

```
urubu100@BOOK-6RCT1IF8T6:/home$ lstopo
            Machine (7894MB total) + Package L#0
                     NUMANode L#0 (P#0 7894MB)
                     Core L#0
                               PU L#0 (P#0)
                               PU L#1 (P#1)
                     Core L#1
                               PU L#2 (P#2)
                               PU L#3 (P#3)
                     Core L#2 + PU L#4 (P#4)
                     Core L#3 + PU L#5 (P#5)
                     Core L#4 + PU L#6 (P#6)
                     Core L#5 + PU L#7 (P#7)
                     Core L#6 + PU L#8 (P#8)
                     Core L#7 + PU L#9 (P#9)
                     Core L#8 + PU L#10 (P#10)
Core L#9 + PU L#11 (P#11)

WARNING: you should run this program as super-user.
book-6rctlif8t6
description: Computer
width: 64 bits
capabilities: smp
*-core
       capaultice

core

description: Motherboard

physical id: 0

*-memory
                  ory
description: System memory
physical id: 0
size: 7894MiB
*-cpu

product: 12th Gen Intel(R) Core(TM) i5-1235U

vendor: Intel Corp.
physical id: 1

bus info: cpu80

version: 6.154.4

capacity: 1308Mtz

width: 64 bits

capabilities: fpu fpu_exception wp vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush acpi mmx fxsr sse sse2

ss ht tm pbe syscall nx pdpe1gb rdtscp x86-64 pni pclmulqdq monitor est tm2 ssse3 fma cx16 xtpr pdcm pcid sse4_1 sse4_2 x2apic movbe popcnt tsc, deadline timer aes xsave osxsave avx f16c rdrand hypervisor lahf_lm abm 3dnowprefetch fsgsbase bmil avx2 smep bmi2 erms invpcid rdseed adx smap configuration: microcode=4294967295

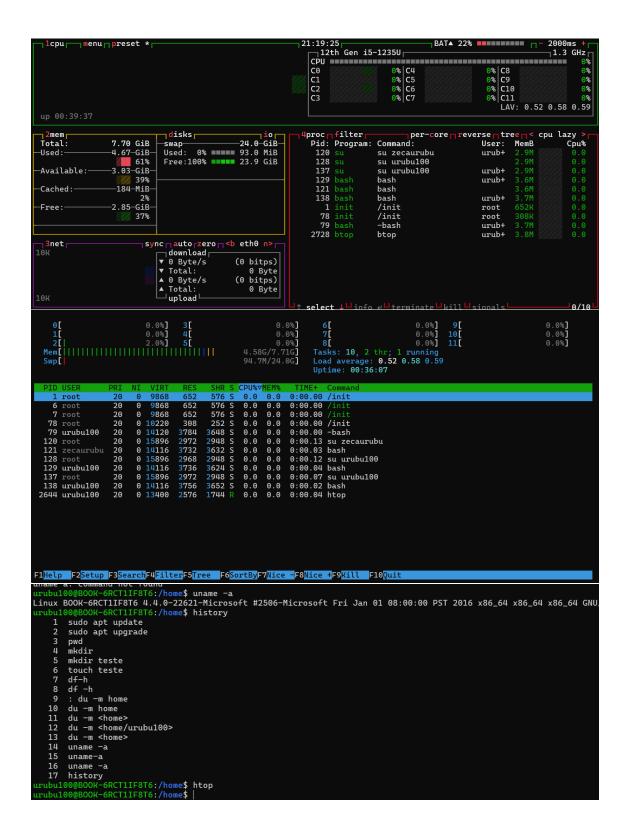
WARNING: output may be incomplete or inaccurate, you should run this program as super-user.
WARNING: output may be incomplete or inaccurate, you should inrubulageDON-SECTIFESTS:/home$ tscpu
Architecture: x86_64
CPU op-mode(s): 32-bit, 64-bit
Address sizes: 36 bits physical, 48 bits virtual
EPU(s): 12
On-line CPU(s) list: 9-11
Gendor ID: GenuineIntel
Model name: 12th Gen Intel(R) Core(TM) i5-1235U
CPU family: 6
Model: 154
Thread(s) per core: 2
Core(s) per socket: 10
Socket(s): 1
Stepping: 4
CPU max MHz: 1300.0000
BogoMIPS: 2600.00
Flags: fpu wme de pse tsc msr pae mcc cx8 ac call nx pdpelgb rdtscp lm pni pclmulo
                                           1
4
1300.0000
0.0000
0.0000
0.0000
fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush acpi mmx fxsr sse sse2 ss ht tm pbe sys call nx pdpe1gb rdtscp lm pni pclmulqdq monitor est tm2 ssse3 fma cx16 xtpr pdcm pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave osxsave avx f16c rdrand hypervisor lahf_lm abm 3dnowprefetch fsgsbase bmil avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni umip gfni vaes vpclmulqdq rdpid ibrs ibpb stibp ssbd
erms invocio roseed aox sma
Virtualization features:
Hypervisor vendor: Windows Subsystem for Linux
Virtualization type: container
```

```
rubu100@B00K-6RCT1IF8T6:/home$ likwid-topology
CPU name:
               12th Gen Intel(R) Core(TM) i5-1235U
CPU type:
               Unknown Intel Processor
CPU stepping:
               4
*************************
Hardware Thread Topology
*************************************
                      1
Sockets:
Cores per socket:
                      10
hreads per core:
                       2
Thread
                              Core
                                              Socket
                                                              Available
               0
                              0
                                              0
               1
                              0
                                              0
                                                              *
               0
                              1
                                              0
               1
                              1
                                              0
                                                              *
               0
                              2
                                              0
               0
                              3
                                              0
               0
                              4
                                              0
               0
                                              0
                              5
                                                              *
               0
                              6
                                              0
                              7
               0
                                              0
                                                              *
LO
               0
                              8
                                              0
1
               0
                              9
                                              0
                                                              *
Socket 0:
                      (01234567891011)
************************************
Cache Topology
******************************
****************************
NUMA Topology
****************************
NUMA domains:
                      1
omain:
                      0
 rubu100@BOOK-6RCT1IF8T6:/home$ inxi -C
CPU:
 Info: 10-core (2-mt/8-st) model: 12th Gen Intel Core i5-1235U bits: 64 type: MST AMCP
 cache: 1.2 MiB note: check
Speed (MHz): avg: 1300 max: 1300 cores: 1: 1300 2: 1300 3: 1300 4: 1300 5: 1300 6: 1300
   7: 1300 8: 1300 9: 1300 10: 1300 11: 1300 12: 1300
          -6RCT1IF8T6:/home$ hardinfo
libkmod: ERROR ../libkmod/libkmod-module.c:1668 kmod_module_new_from_loaded: could not open /proc/modules: No
such file or directory
Error: could not get list of modules: No such file or directory
 Operating System 
Kernel Modules
 Boots
 Languages
Filesystems
Display
 Development
 Groups
Devices
pcilib: Cannot open /proc/bus/pci
lspci: Cannot find any working access method.
unable to initialize libusb: -99
```

```
Filesystem
rootfs
none
none
none
none
none
tmpfs
C:\
D:\
urubu100@BOOK-6RCT1IF8T6:/home$ free total used
                                                                          available
                                                     shared buff/cache
                          4897488
                                      2956912
             8083752
                                                     17720
                                                                 229352
                                                                            3052532
               6165824 89084 25076740
6RCT11F8T6:/home$ sudo dmidecode
            25165824
Swap:
     1100@BOO
# dmidecode 3.3
Scanning /dev/mem for entry point.
/dev/mem: No such file or directory
urubul0000000-GRCTLISETG:/home$ hard info
Command 'hard' not found, did you mean:
command 'card' from deb a2ps (1:4.14-7)
command 'yard' from deb yard (0.9.26-1)
command 'khard' from deb khard (0.17.0-3)
Try: sudo apt install <deb name>
                    IF8T6:/home$ hardinfo
Command 'hardinfo' not found, but can be installed with:
urubu100@BOOK-6RCT1IF8T6:/home$ cpuid | more
CPU 0:
    vendor_id = "GenuineIntel"
    version information (1/eax):
        processor type = primary processor (0)
                             = 0x6 (6)
= 0xa (10)
= 0x4 (4)
        family
        model
        stepping id
        extended family = 0x0 (0)
        extended model = 0x9(9)
        (family synth) = 0x6 (6)
        (model synth)
                              = 0x9a (154)
        (simple synth) = Intel Atom (Alder Lake A3) [Golden Cove], Intel 7
    miscellaneous (1/ebx):
        process local APIC physical ID = 0x1 (1)
        maximum IDs for CPUs in pkg
CLFLUSH line size
                                                  = 0 \times 40 (64)
                                                   = 0x8 (8)
                                                   = 0x0(0)
        brand index
    brand id = 0x00 (0): unknown
    feature information (1/edx):
        x87 FPU on chip
                                                              = true
        VME: virtual-8086 mode enhancement
                                                              = true
        DE: debugging extensions
                                                              = true
        PSE: page size extensions
                                                              = true
        TSC: time stamp counter RDMSR and WRMSR support
                                                              = true
                                                              = true
        PAE: physical address extensions
                                                              = true
```

```
urubu100@B00K-6RCT1IF8T6:/home$ man man urubu100@B00K-6RCT1IF8T6:/home$ lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:
                              Ubuntu 22.04.4 LTS
                                22.04
Release:
Codename:
                                jammy
 urubu100@B00K-6RCT1IF8T6:/home$ cat /proc/cpuinfo
                          : 0
processor
vendor_id
                                : GenuineIntel
cpu family
                               : 6
model
                               : 154
model name
                              : 12th Gen Intel(R) Core(TM) i5-1235U
stepping
microcode
                              : 0xffffffff
                               : 1300.000
: 1280 KB
cpu MHz
cache size
physical id
                                : 0
siblings
                                : 12
core id
                                : 0
cpu cores
                               : 10
                                : 0
apicid
initial apicid : 0
 fpu
                                 : yes
 fpu_exception
                                : yes
 cpuid level
                                : 6
                                 : yes
wp
MAN(1)
                                                               Manual pager utils
                                                                                                                                             MAN(1)
NAME
          man - an interface to the system reference manuals
 SYNOPSIS
          nan [man options] [[section] page ...] ...
man -k [apropos options] regexp ...
man -K [man options] [section] term ...
man -F [whatis options] page ...
man -l [man options] file ...
man -w|-W [man options] page ...
DESCRIPTION

man is the system's manual pager. Each page argument given to man is normally the name of a program, utility or function. The manual page associated with each of these arguments is then found and displayed. A section, if provided, will direct man to look only in that section of the manual. The default action is to search in all of the available sections following a pre-defined order (see DEFAULTS), and to show only the first page found, even if page exists in several sections.
          The table below shows the <u>section</u> numbers of the manual followed by the types of pages they contain.
               Executable programs or shell commands
System calls (functions provided by the kernel)
Library calls (functions within program libraries)
Special files (usually found in /dev)
 Manual page man(1) line 1 (press h for help or q to quit)
```



```
RCT11F8T6:/home$ df -h
Size Used Avail Use% Mounted on
237G 127G 110G 54% /
237G 127G 110G 54% /dev
  ilesystem
   one
                                                                 110G 54% /dev

110G 54% /run

110G 54% /run/lock

110G 54% /run/user

110G 54% /run/user

110G 54% /sys/fs/cgroup

110G 54% /mnt/c

914G 1% /mnt/d
                                       237G
237G
                                                     127G
127G
   one
                                                    127G
127G
127G
127G
127G
180M
                                       237G
237G
   one
    mnfs
                                       237G
915G
  p:\ 915G 180M 914G 1%/mmr/d
rrubu1000BOOK-6RCT11F8T6:/home$: du -m home
lrubu1000BOOK-6RCT11F8T6:/home$ du -m home
lu: cannot access '-m': No such file or directory
lu: cannot access 'home': No such file or directory
lrubu1000BOOK-6RCT11F8T6:/home$ du -m <home>
pash: syntax error near unexpected token 'newline'
lrubu100BOOK-6RCT11F8T6:/home$ du -m <home /line'
 pash: syntax error near unexpected token `newline' trubu100@BOOK-6RCTIIF8T6:/home$ du -m <home/urubu100> pash: syntax error near unexpected token `newline' trubu100@BOOK-6RCTIIF8T6:/home$ du -m <home> pash: syntax error near unexpected token `newline' trubu100@BOOK-6RCTIIF8T6:/home$ uname -a trubu100@BOOK-6RCTIIF8T6:/home$ uname -a trubu100@BOOK-6RCTIIF8T6:/home$ trubu100@BOOK-6RCTIIF8T6:/home$ trubu100@BOOK-6RCTIIE8T6:/home$ trubu100@BOOK-6RCTIIE8T6:/home$ trubu100@BOOK-6RCTIIE8T6:/home$ trubu100.
                                           T1IF8T6:/home$ uname-a
  rubull00gB0UK-5RCT11F8T6:/home$ uname-a
iname-a: command not found
irubul00gB0UK-6RCT11F8T6:/home$ uname -a
.inux B00K-6RCT11F8T6 4.4.0-22621-Microsoft #2506-Microsoft Fri Jan 01 08:00:00 PST 2016 x86_64 x86_64 x86_64 GNU/Linux
irubul00gB0UK-6RCT11F8T6:/home$ |
     urubu100@BOOK-6RCT1IF8T6:/home$ pwd
     /home
    urubu100@BOOK-6RCT1IF8T6:/home$ mkdir
    mkdir: missing operand
     Try 'mkdir --help' for more information.
     urubu100@BOOK-6RCT1IF8T6:/home$ mkdir teste
    mkdir: cannot create directory 'teste': Permission denied urubu100@BOOK-6RCT1IF8T6:/home$ touch teste
     touch: cannot touch 'teste': Permission denied
     urubu100@BOOK-6RCT1IF8T6:/home$ df-h
    df-h: command not found
     urubu100@BOOK-6RCT1IF8T6:/home$ df -h
    Filesystem
                                                                         Size Used Avail Use% Mounted on
    rootfs
                                                                         237G
                                                                                                  127G 110G 54% /
                                                                                                   127G
                                                                          237G
                                                                                                                             110G
                                                                                                                                                    54% /dev
    none
    none
                                                                          237G
                                                                                                  127G
                                                                                                                             110G
                                                                                                                                                       54% /run
    none
                                                                          237G
                                                                                                127G
                                                                                                                             110G
                                                                                                                                                       54% /run/lock
                                                                          237G
                                                                                                127G
                                                                                                                             110G
                                                                                                                                                       54% /run/shm
    none
                                                                                                                                                       54% /run/user
    none
                                                                          237G
                                                                                                  127G
                                                                                                                             110G
                                                                          237G
                                                                                                   127G
                                                                                                                             110G
                                                                                                                                                       54% /sys/fs/cgroup
     tmpfs
                                                                                                                                                       54% /mnt/c
    C:\
                                                                          237G
                                                                                                    127G
                                                                                                                              110G
    D:\
                                                                          915G
                                                                                                    180M
                                                                                                                              914G
                                                                                                                                                            1% /mnt/d
                                                      IF8T6:/home$ sudo apt upgrade
Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

Reading state information... Done

Calculating upgrade... Done

The following packages will be upgraded:

base-files bind9-dnsutils bind9-host bind9-libs binutils binutils-common binutils-x86-64-linux-gnu coreutils

distro-info distro-info-data iptables irqbalance less libbinutils libc-bin libc6 libcryptsetup12 libctf-nobfo

libctf0 libcurl3-gnutls libcurl4 libgnutls30 libip4tc2 libip6tc2 libidap-2.5-0 libldap-common libnss-systemd

libpam-modules libpam-modules-bin libpam-runtime libpam-systemt libpam19 libper15.34 libpython3.10

libpython3.10-minimal libpython3.10-stdlib libsqlite3-0 libssh-4 libssl3 libsystemd0 libudev1 libuv1 libxml2

libxtables12 locales login motd-news-config openssh-client openssl passwd perl perl-base perl-modules-5.34

python3-software-properties python3-cryptography python3-distro-info python3-distupgrade

python3-software-properties python3-update-manager python3.10 python3.10-minimal software-properties-common systemd-hwe-hwdb systemd-sysv systemd-timesyncd tar tcpdump tzdata ubuntu-release-upgrader-core udev

update-manager-core vim vim-common vim-runtime vim-tiny xxd

79 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.

49 standard LTS security updates

Need to get 59.8 MB of archives.

After this operation, 56.3 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 motd-news-config all 12ubuntu4.6 [4352 B]

Get:2 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 base-files amd64 2.35-0ubuntu3.6 [3236 kB]

Get:3 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 login amd64 8.32-4.1ubuntu1.1 [1436 kB]

Get:6 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 coreutis amd64 8.34.0-3ubuntu1.1 [1436 kB]

Get:6 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 perl-base amd64 5.34.0-3ubuntu1.3 [4820 kB]

Get:7 http://archive.ubuntu.com/ubuntu jammy-updates/mai
   Reading package lists... Done
```