

Tutorial 3 a: Connect EC2 Linux | T2 micro with Putty | Windows or Linux Terminal >>> Practice Basic Linux Commands

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Course – MSc (DSBDA)

```
ubuntu@ip-172-31-15-14: /home
ubuntu@ip-172-31-15-14:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-15-14:~$ whoami
ubuntu
ubuntu@ip-172-31-15-14:~$ cd ..
ubuntu@ip-172-31-15-14:/home$ ls
ubuntu
ubuntu@ip-172-31-15-14:/home$ ls -l
total 4
drwxr-x--- 4 ubuntu ubuntu 4096 Jul 27 19:01 ubuntu
ubuntu@ip-172-31-15-14:/home$ ls -al
total 12
drwxr-xr-x 3 root root 4096 Jul 27 18:59 .
drwxr-xr-x 19 root root 4096 Jul 27 18:59 ..
drwxr-x--- 4 ubuntu ubuntu 4096 Jul 27 19:01 ubuntu
ubuntu@ip-172-31-15-14:/home$ clear
```

```
ubuntu@ip-172-31-15-14: /home
ubuntu@ip-172-31-15-14:/home$
```

```
ubuntu@ip-172-31-15-14: /etc
ubuntu@ip-172-31-15-14:/etc$ cat rsyslog.conf
# /etc/rsyslog.conf configuration file for rsyslog
#
# For more information install rsyslog-doc and see
# /usr/share/doc/rsyslog-doc/html/configuration/index.html
#
# Default logging rules can be found in /etc/rsyslog.d/50-default.conf

#####
### MODULES ###
#####

module(load="imuxsock") # provides support for local system logging
#module(load="immark") # provides --MARK-- message capability

# provides UDP syslog reception
#module(load="imudp")
#input(type="imudp" port="514")

# provides TCP syslog reception
#module(load="imtcp")
#input(type="imtcp" port="514")

# provides kernel logging support and enable non-kernel klog messages
module(load="imklog" permitnonkernelfacility="on")

#####
### GLOBAL DIRECTIVES ###
#####

#
# Use traditional timestamp format.
# To enable high precision timestamps, comment out the following line.
#
$ActionFileDefaultTemplate RSYSLOG_TraditionalDateFormat

# Filter duplicated messages
$RepeatedMsgReduction on

#
# Set the default permissions for all log files.
#
$FileOwner syslog
```

```
ubuntu@ip-172-31-15-14: /etc
ubuntu@ip-172-31-15-14:/etc$ man cat
```

```
ubuntu@ip-172-31-15-14: /etc
CAT(1)
User Commands
CAT(1)
NAME
    cat - concatenate files and print on the standard output
SYNOPSIS
    cat [OPTION]... [FILE]...
DESCRIPTION
    Concatenate FILE(s) to standard output.
    With no FILE, or when FILE is -, read standard input.
    -A, --show-all
        equivalent to -vET
    -b, --number-nonblank
        number nonempty output lines, overrides -n
    -e
        equivalent to -vE
    -E, --show-ends
        display $ at end of each line
    -n, --number
        number all output lines
    -s, --squeeze-blank
        suppress repeated empty output lines
    -t
        equivalent to -vT
    -T, --show-tabs
        display TAB characters as ^I
    -u
        (ignored)
    -v, --show-nonprinting
        use ^ and M- notation, except for LFD and TAB
    --help display this help and exit
    --version
Manual page cat(1) line 1 (press h for help or q to quit)
```

```
ubuntu@ip-172-31-15-14: ~
ubuntu@ip-172-31-15-14:~$ mkdir Dir1
ubuntu@ip-172-31-15-14:~$ ls
Dir1
ubuntu@ip-172-31-15-14:~$
```

```
ubuntu@ip-172-31-15-14: ~
ubuntu@ip-172-31-15-14:~$ top
```

```
ubuntu@ip-172-31-15-14: ~
top - 19:12:22 up 12 min, 1 user, load average: 0.00, 0.00, 0.00
Tasks: 95 total, 1 running, 94 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni,100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 967.9 total, 402.2 free, 175.9 used, 389.8 buff/cache
MiB Swap: 0.0 total, 0.0 free, 0.0 used, 643.2 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM    TIME+ COMMAND
    1 root        20   0 101876 12756 8248 S   0.0   1.3   0:05.55 systemd
    2 root        20   0      0      0      0 S   0.0   0.0   0:00.00 kthreadd
    3 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 rcu_gp
    4 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 rcu_par_gp
    5 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 netns
    7 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kworker/0:0H-events_highpri
    8 root        20   0      0      0      0 I   0.0   0.0   0:00.08 kworker/0:1-cgroup_destroy
    9 root        20   0      0      0      0 I   0.0   0.0   0:00.04 kworker/u30:0-events_power_efficient
   10 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 mm_percpu_wq
   11 root        20   0      0      0      0 S   0.0   0.0   0:00.00 rcu_tasks_rude_
   12 root        20   0      0      0      0 S   0.0   0.0   0:00.00 rcu_tasks_trace
   13 root        20   0      0      0      0 S   0.0   0.0   0:00.07 ksoftirqd/0
   14 root        20   0      0      0      0 I   0.0   0.0   0:00.46 rcu_sched
   15 root        rt   0      0      0      0 S   0.0   0.0   0:00.00 migration/0
   16 root       -51   0      0      0      0 S   0.0   0.0   0:00.00 idle_inject/0
   17 root        20   0      0      0      0 S   0.0   0.0   0:00.00 cpuhp/0
   18 root        20   0      0      0      0 S   0.0   0.0   0:00.00 kdevtmpfs
   19 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 inet_frag_wq
   20 root        20   0      0      0      0 S   0.0   0.0   0:00.00 kauditd
   21 root        20   0      0      0      0 S   0.0   0.0   0:00.00 khungtaskd
   22 root        20   0      0      0      0 S   0.0   0.0   0:00.00 oom_reaper
   23 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 writeback
   24 root        20   0      0      0      0 S   0.0   0.0   0:00.03 kcompactd0
   25 root        25   5      0      0      0 S   0.0   0.0   0:00.00 ksmd
   26 root        39  19      0      0      0 S   0.0   0.0   0:00.00 khugepaged
   72 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kintegrityd
   73 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kblockd
   74 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 blkcg_punt_bio
   75 root        20   0      0      0      0 S   0.0   0.0   0:00.00 xen-balloon
   76 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 tpm_dev_wq
   77 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 ata_sff
   78 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 md
   79 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 adae-poller
   80 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 devfreq_wq
   81 root       -51   0      0      0      0 S   0.0   0.0   0:00.00 watchdogd
   84 root        0 -20      0      0      0 I   0.0   0.0   0:00.03 kworker/0:1H-kblockd
   86 root        20   0      0      0      0 S   0.0   0.0   0:00.00 kswapd0
```

