

nixCraft → Howto → CentOS → How To Show All Running Processes in Linux using ps/htop Commands

# Show All Running Processes in Linux using ps/htop commands

Author: Vivek Gite • Last updated: November 13, 2023 • 140 comments

ow do I see all running process in Linux operating systems using command line or GUI options? How can I show all running Processes in Linux operating system?



Introduction: A process is nothing but tasks within the Linux operating system. A process named httpd used to display web pages. Another process named mysqld provides database service. You need to use the ps command. It provides information about the currently running processes, including their process identification numbers (PIDs). Both Linux and UNIX support the ps command to display information about all running process. The ps command gives a snapshot of the current processes. If you want a repetitive update of this status, use top, atop, and htop command as described below.

Tutorial details	
Difficulty level	<u>Easy</u>
Root privileges	Yes
Requirements	Linux terminal
Category	Processes Management
Prerequisites	ps top htop command
OS compatibility	AlmaLinux • <u>Alpine</u> • <u>Arch</u> • <u>CentOS</u> • <u>Debian</u> • <u>Fedora</u> • <u>Linux</u> • Mint • <u>openSUSE</u> • Pop!_OS • <u>RHEL</u> • Rocky • <u>Stream</u> • <u>SUSE</u> • <u>Ubuntu</u> • WSL
Est. reading time	5 minutes

# Linux commands show all running processes

Apart from ps command, you can also use the following commands to display info about processes on Linux operating systems:

- 1. top command: Display and update sorted information about Linux processes.
- 2. atop command: Advanced System & Process Monitor for Linux.
- 3. htop command: Interactive process viewer in Linux.
- 4. pgrep command : Look up or signal processes based on name and other attributes.
- 5. pstree command : Display a tree of processes.

## How to list process with the ps command

Type the following **ps command** to display all running process:

```
# ps -aux | less
```

OR filter ps command outputs using the <u>less command</u>:

```
# ps aux | less
```

#### Where,

- A : Select all processes
- u : Select all processes on a terminal, including those of other users
- x : Select processes without controlling ttys

# See every process on the Linux system

Either pass —A or —e option to show all processes on your server/workstation powered by Linux:

```
# ps -A
# ps -e
```

You may need to filter out all currently running processes using the <u>grep</u> <u>command</u> or <u>egrep command</u> as follows. For example, see if mysqld is running or not:

```
$ sudo ps -e | grep 'mysqld'
```

In this following example, find if firefox or chrome running or not as follows:

```
$ ps -e | grep -E 'firefox|chrome'
```

```
600947 ? 00:09:50 chrome
600973 ? 00:00:00 chrome_crashpad
600975 ? 00:00:00 chrome_crashpad
600983 ? 00:00:00 chrome
```

```
600984 ? 00:00:00 chrome
....
...
601535 ? 00:17:49 firefox
606481 ? 00:00:32 chrome
615708 ? 00:01:28 chrome
```

# How to see every process except those running as root

```
To negates the selection pass the <code>-N</code> or <code>--deselect</code> option to the ps command:
```

```
# ps -U root -u root -N
```

OR

```
# ps -U root -u root --deselect
```

## See process run by user vivek

Select by process by effective user ID (EUID) or name by passing username such as vivek:

```
# ps -u vivek
```

# Linux running processes with top command

The top program provides a dynamic real-time view of a running system. Type the top at command prompt:

```
# top
```

Sample outputs:

Fig.01: top command: Display Linux Tasks

To quit press  $\mathbf{q}$ , for help press  $\mathbf{h}$ .

# How to display a tree of processes

The <u>pstree command shows running processes as a tree</u>. The tree is rooted at either pid or init if pid is omitted. If a user name is specified, all process trees rooted at processes owned by that user are shown.

\$ pstree

Sample outputs:

Fig.02: pstree – Display a tree of processes

### Print a process tree using ps

# ps -ejH

```
# ps axjf
```

Sample outputs:

Manage processes from the Linux terminal

#### Get info about threads

Type the following command:

```
# ps -eLf
# ps axms
```

### Task: Get security info about running Linux process

Run the following command:

```
# ps -eo euser,ruser,suser,fuser,f,comm,label
# ps axZ
# ps -eM
```

# How to save process snapshot to a file

Execute the following command:

```
# top -b -n1 > /tmp/process.log
```

Or you can email result to yourself:

# How to lookup process by name

Use pgrep command command. It looks through the currently running processes and lists the process IDs which matches the selection criteria to screen. For example, display firefox process id:

```
$ pgrep firefox
```

Sample outputs:

```
3356
```

Following command will list the process called sshd which is owned by a user called root:

```
# pgrep -u root sshd
```

The above command is an alternative to classic combination of the ps command and grep command/egrep command. For instance:

```
$ ps aux | grep nginx
$ ps aux | egrep -i 'nginx|apache|mysql'
```

# Say hello to htop and atop

htop is interactive process viewer just like top, but allows to scroll the list vertically and horizontally to see all processes and their full command lines. Tasks related to processes (killing, renicing) can be done without entering their PIDs. To install htop on a Debian/Ubuntu Linux, type the following <a href="mailto:apt-get">apt-get</a> <a href="mailto:command/apt command">command/apt command</a>:

```
# apt-get install htop
```

or use the <u>yum command</u> to <u>install htop on a CentOS/RHEL</u>:

```
# yum install htop
```

Now type the htop command at the shell prompt:

```
$ htop
```

Fig.03: htop in action (click to enlarge)

#### atop program

The program atop is an interactive monitor to view the load on a Linux system. It shows the occupation of the most critical hardware resources (from a performance point of view) on system level, i.e. cpu, memory, disk and network. It also shows which processes are responsible for the indicated load with respect to cpu- and memory load on process level; disk- and network load is only shown per process if a kernel patch has been installed. Type the following command to start atop:

```
# atop
```

Fig.04: Atop Command in Action (click to enlarge)

#### See also:

- <u>Kill process in Linux or terminate a process in UNIX or Linux systems</u>
- See the following man pages using the man command/help command:

```
$ man ps
$ man top
$ man htop
$ man pgrep
$ man atop
```

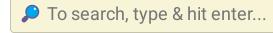
### Conclusion

Linux processes carry out various tasks/jobs within the Linux distribution. Since Linux is a multiprocessing operating system, one can run multiple tasks in the background. Hence it is essential to know how to show all running processes in Linux.

Was this helpful? Please add a comment to show your appreciation or feedback.



I'm Vivek Gite, and I write <u>about</u> Linux, macOS, Unix, IT, programming, infosec, and open source. Subscribe to my <u>RSS feed</u> or <u>email newsletter</u> for updates.



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Searching	ag • egrep • grep • whereis • which
Shell builtins	compgen • echo • printf
System Management	reboot • shutdown
Terminal/ssh	sshpass • tty
Text processing	cut • rev
Text Editor	6 Text editors • Save and exit vim

User Environment	exit • who
User Information	groups • id • lastcomm • last • lid/libuser-lid • logname • members • users • whoami • w
User Management	/etc/group • /etc/passwd • /etc/shadow • chsh
Web Server	Apache • Let's Encrypt certificate • Lighttpd • Nginx Security • Nginx
WireGuard VPN	Alpine • Amazon Linux • CentOS 8 • Debian 10 • Firewall • Ubuntu 20.04 • qrencode

**140** comments... add one ↓

**dom** • Nov 26, 2007 @ 17:15

i hope you dont mind, i have borrowed your image showing PS for my assigment, i have have referenced this site and the date

Dom

() 00

mark • Oct 20, 2013 @ 6:29

been tinkering with linux for 2 years, still have to reference some basic commands. If I had a penny for how many times I've gone something along the lines of "urh, how do I merge folders with cp again" \*google, spots cyberciti\*, they'll probably have some good examples..

*←* ∞

**saurabh** • Feb 20, 2008 @ 22:23

No offense, but this is akin to posting instructions on how to walk.

*←* ∞

blablabla • May 30, 2010 @ 1:54

You are a an elitest jerk. Interesting that for someone who believes he already knows everything, you are entirely ignorant of this fact. It is likely that no one was impressed by your comment except yourself.

ب ∞

Cytrax • Jun 6, 2010 @ 10:54

Don't worry, he wrote his original lame comment back in 08. He's probably less ignorant now.

Great article!

**←** ∞

**steve** • Sep 10, 2011 @ 23:47

The guy is an idot

 $\varphi$   $\infty$ 

cyberit • Jan 23, 2013 @ 0:14

'last updated at JULY 6, 2012' or may be in 2008 it was! Btw – I have to still meet some one who was born walking.

 $\leftarrow$   $\infty$ 

**tredspane** • Jan 16, 2017 @ 19:55

You guys are great examples of why I no longer prefer to live in the Linux / Eunuchs world. Wow.

 $\leftarrow$   $\infty$ 

saurabhls • Oct 14, 2013 @ 15:46

You will find this relevant.

 $\leftarrow \infty$ 

HerpDerpington • Jul 14, 2015 @ 2:41

Nice try \*\*\*\*\*. People brand new to Linux are actually learning how to walk again, and this is important information.

 $\leftarrow$   $\infty$ 

jay • Mar 7, 2008 @ 1:38

@saurabh – I'm glad you think this is like posting instructions on how to walk. I'm also glad that you are such a naturally gifted user that you knew this without ever having to look up how to do this. Some of us have just started using Linux and guess what it is small little tid bits like this that help.

ب ∞

anya • Mar 11, 2008 @ 21:28

Thanks a lot for the info. It proved really useful. Sometimes it helps when somebody tells you how to walk...

 $\leftarrow$   $\infty$ 

Maria • Mar 26, 2008 @ 10:31

It's fantastic to know that a great community is behind it.

Thanks

 $\leftarrow \infty$ 

can someone tell me how to create a script that list all processes that are taking more than 10% of cpu time?

thanks

btw i am a noob lol

<del>ر</del> ∞

ddd • Jul 6, 2008 @ 23:11

**Great! Thanks** 

 $\leftarrow \infty$ 

**akinhowtowalk** • Aug 8, 2008 @ 22:39

@saurabh no offense, are you an Indian? If so, that explains and if not, set up your own site and don't post anything on it loser.

Great stuff.

 $\leftarrow \infty$ 

I'm a INDIAN • Sep 14, 2010 @ 19:40

what the hell do u know about indian? shut the hell up and do some linux home work kiddo..

**the london dude** • Oct 3, 2010 @ 14:32

@akinhowtowalk: i'm so glad you've demonstrated so much more maturity than saurabh through your sweeping generalization.

 $\leftarrow$   $\infty$ 

ritwik • Feb 15, 2013 @ 9:09

The guy who wrote the article is also indian. His name is Vivek

 $\leftarrow \infty$ 

**WebDesignKing** • Sep 8, 2008 @ 14:42

Lol @ akinhowtowalk. Well said!

Great resource

hkhk • Jan 2, 2012 @ 6:29

Hahah indians are the most dumb nation and yes smelly tooo :)

```
\leftarrow \infty
```

**anky** • Apr 4, 2012 @ 6:45

shut up man...mind ur tounge..wt u knw abt indians???

 $\leftarrow \infty$ 

**True\_Indian** • Jan 13, 2014 @ 9:23

How dare you say a thing about our beautiful country, u BMF?

 $\omega$   $\infty$ 

pyrolighting • Feb 6, 2014 @ 15:54

amazing how something like a simple request for a bit of help on a topic can lead to racist banter....

keep it simple, keep it clean, don't be judgmental of Indians or any other race, and STAY ON the TOPIC of the THREAD!!

// and yes, everyone needs to learn how to walk, and how to do the basics, before they can move to more advanced things.....

→ ∞

**webMan** • May 8, 2015 @ 14:52

@pyrolighting VERY WELL SAID

 $\leftarrow \infty$ 

pcj52 • Mar 27, 2016 @ 22:01

Well said, thank you.

 $\leftarrow$   $\infty$ 

sarmad • Nov 6, 2008 @ 6:42

i want to know how can i run command that show me which script is currently running and by which user

 $\leftarrow$   $\infty$ 

**Allimuthu** • Dec 25, 2008 @ 19:27

Hi Everybody, I got an cleared information in this site. But I want to know that what are the process currently active in my shell. If any body know, please email me @ allimut@gmail.com

Thanks,

-Allimuthu.

*←* ∞

mellow\_bunny • Jan 14, 2009 @ 22:29

Yo thanks heaps for this info! It's just what I needed! \*favourited\*

 $\leftarrow \infty$ 

Greg • Jan 29, 2009 @ 18:21

akinhowtowalk good answer for the loser :D

→ ∞

**Ken** • Feb 8, 2009 @ 21:25

I've been walking the Linux path for a long time and it's nice to see this type of command posted.

To see what is running and consuming resources you could use (exactly as it is shown):

ps -e -o pcpu,cpu,nice,state,cputime,args -sort pcpu | sed "/^ 0.0 /d"

which is nice to enter into the .bashrc in your home directory as an alias. Like this (on the last line after every other entry):

alias hog='ps -e -o pcpu,cpu,nice,state,cputime,args -sort pcpu | sed "/^ 0.0 /d"

so the next time I log in I can just type hog at the command line and see all process running and consuming resources, sorted.

Ken

<del>ب</del> ∞

unokpasabaxaki • Feb 16, 2009 @ 20:51

In the path of Linux, if you want to start running without knowing how to walk, what will happen? Begginers know that they can get to the top, but step by step. Otherwise, they'll fall. And let's stop the metaphores xD

 $\leftarrow \infty$ 

vivek • Feb 21, 2009 @ 4:09

Hello

Any one help to find command history with date & time.

vahuja • Oct 7, 2014 @ 14:42

\$ HISTTIMEFORMAT="%d/%m/%y %T"

OR

\$ echo 'export HISTTIMEFORMAT="%d/%m/%y %T "" >> ~/.bash\_profile

```
Where,
    %d – Day
    %m – Month
    %y – Year
    %T - Time
    To see history type
    $ history
    \omega \omega
SleepWalker • Apr 1, 2009 @ 20:16
Thank you. found it very useful:)
Lol@akinhowtowalk well said:)
Regards,
ILoveTakingHelp:P
\omega \infty
the mad hatter • May 18, 2009 @ 14:49
Thanks for posting this! You've helped me a lot!
\omega \omega
HomeHacker2 • May 20, 2009 @ 17:20
thanks for that. i needed this to set something running and set-up on a linux
server. but i needed to kill it first so:)thanks.
\leftarrow \infty
chinmay • May 26, 2009 @ 5:44
hello akinhowtowalk
i find this site really usefull and find the stuff what i was looking for...
and saurabh's comment was not justified...
but what was ur comment on being an indian... i really didnt understood that...and
у...
that explains wat..??
Jo • Jun 24, 2009 @ 5:55
Thanks for the htop info, really useful tool!!!
\omega \infty
```

radutir • Jul 12, 2009 @ 14:57



it's nice

thx a lot for this tool

*←* ∞

guy • Aug 2, 2009 @ 13:09

Hey, can someone please give me instructions on how to walk?

 $\leftarrow \infty$ 

roo • Mar 18, 2013 @ 15:33

Will this do?

- 1. Stand up with feet together.
- 2. Put one foot forward of the other foot.
- 3. Put other foot in front of the one you just moved.

Repeat #s 2 and 3 until you have reached your destination.

*←* ∞

M • May 11, 2015 @ 7:40

I tried, but got some error messages.

Warning: proceeding can cause stability issues in the system

Warning: bad pathway

Process KNEE broken, terminating.

Can you help?

*←* ∞

**stuck here •** Aug 7, 2009 @ 6:33

Since I learnt how to use ps I forgot how to walk. Anyone know the neccessary commands?

 $\leftrightarrow \infty$ 

**PaNda** • Aug 19, 2009 @ 1:08

Cool instruction, i dont know there were commands that named "TOP"

and..... i forget how to walk = (\*(googling how to walk)

*∠* ~

**Ray\_D** • Aug 25, 2009 @ 18:57

saurabh, were you born walking? Didn't think so.

 $\leftarrow$   $\infty$ 

Cameron • Sep 8, 2009 @ 21:58

saurabh takes baby steps as he is always half drunk

 $\omega$   $\omega$ 

**Chongopants** • Sep 24, 2009 @ 19:17

saurabh, stfu..

that is all you may go on with your sad life.

→ ∞

**saurabh-is-a-retard** • Oct 24, 2009 @ 9:43

saurabh:

how do you expect newbies to learn if people don't post stuff like this?

 $\leftarrow \infty$ 

**kek** • Oct 27, 2009 @ 0:42

netstat -tulnap

This command is usefull when you whant to know what process is responsible for each open port.

<del>ر</del> ∞

wat. • Nov 18, 2009 @ 10:21

I'm amazed that more then one and a half year after a person has posted a single message,

Chongopants 09.24.09 at 7:17 pm

saurabh, stfu..

that is all you may go on with your sad life.

something like this is still said

**⇔** ∞

**Nicolas Pinçon •** Mar 9, 2010 @ 21:47

very helpful page!! Thx a lot to whoever wrote it

*←* ∞

verizon saga • May 4, 2010 @ 14:24

thankz very much master ..

its a good post .. and very usefull for me :)

htop:Diwas find for more times

abhishek • May 19, 2010 @ 19:21

akinhowtowalk,

Don't generalize, not all Indians are like saurabh. Grow up. Boasting exists irrespective of race.

← ∞

Sumit • Jun 2, 2010 @ 7:02

@akinhowtowalk – I am really offended by your remarks on a specific nation. I dont expects mature guys to make such kind of remark. really very disappointing (i can also go dirty in reaction but i dont prefer to). Make sure you comment on individual and not on any group/society/nation.

@Saurabh – If you are an expert then i will appreciate you posting advance topics on linux and punlish the URL on this forum. If you cant do that much for community then you dont have any rights to comments on someones contribution.

*←* ∞

ashish • Apr 7, 2013 @ 8:08

nice reply.

well put,

and well explained to both of our friends concerned.

And btw, This was an Awesome post!:)

**Anonymous** • Jun 20, 2010 @ 16:36

i probably think saurab never came back to this page after he commented on it. You guys were so foolish enough to comment back . lol
I was just looking for something that can give me the green signal so that i can quit all running processes before i shut my computer.... And i ended up here.
Looks i i still cant get what i should type to see only those processes that are running currently. Some thing like the task manager in windows . Any help with that ?

 $\leftarrow$   $\infty$ 

agree • Sep 27, 2011 @ 20:02

Green Signal! Please go ahead and reboot 00 IfOnly • Sep 3, 2016 @ 13:27 ?  $\sim$   $\infty$ luis • Jun 22, 2010 @ 4:21 Thanks =)  $\omega$   $\omega$ noufalcm • Jul 19, 2010 @ 12:31 Hi I wanted to display only PID and Process name in MAC OS. "ps" doesn't display process name rather command only. Can Anyone help. Thanx & regards in advance Noufal  $\omega$   $\omega$ DaveUK • Sep 12, 2010 @ 15:09 I am a complete newbie to linux and I \*am\* learning to walk with it,, so thanks for the article:)  $\omega$   $\infty$ **AndyC** • Sep 30, 2010 @ 6:18 akinhowtowalk probably said that regarding Indians coz he knows that Indians are smarter .. atleast they make our Business run smoothly ..cheers :) **Alex** • Oct 7, 2010 @ 20:07 Thanks. In an introduction to UNIX class, this helped out and quicker than looking it up in my textbook.  $\omega$   $\omega$ **Muthukrishnan** • Nov 25, 2010 @ 5:33 Very userful.. Thanks a lot.....!!  $\leftrightarrow$   $\infty$ 

Pankaj • Dec 24, 2010 @ 17:41

Nice..... got geat help.... Thanks...

 $\leftarrow \infty$ 

Wayne • Mar 28, 2011 @ 13:08

Great Site.

Well written articles.

And Just to keep it going...

Why walk when you can run with Linux!!

→ ∞

#### **L.PRINCE RAJ** • Apr 5, 2011 @ 2:10

I am using Fedora 14 in my laptop. I installed an .rpm file , but i don't know how to run that software. please help me. I am new for Linux.

 $\leftarrow \infty$ 

**Wayne** • Apr 5, 2011 @ 10:12

Well I think the first best question that needs to be asked is what software have you installed?

 $\leftarrow$   $\infty$ 

#### **L.PRINCE RAJ** • Apr 5, 2011 @ 12:10

I installed an CFD software named as 'ZNTutor-CFD-2.1.0-0.i386.rpm'. the installation is successful.

 $\leftarrow$   $\infty$ 

Wayne • Apr 5, 2011 @ 23:58

As this is a commercial program I wont be installing it to have a look. I would suggest asking the question in a forum more related / dedicated to this product. Also have a look to find where the package was installed and read the manual that was supplied.

If this manual doesn't even cover the simple processes I would be a little worried about it considering the subject matter involved.

ب ص

**L.PRINCE RAJ** • Apr 6, 2011 @ 0:41

Ok I will try to get that...

**⇔** ∞

Thanks very useful

 $\leftarrow$   $\infty$ 

**gabe** • May 11, 2011 @ 14:53

Very useful keep going on!

**⇔** ∞

**Efim** • May 18, 2011 @ 11:17

Very laconic and very good article

Thanks

**NewToLinux** • Jun 7, 2011 @ 21:56

Thanks a lot Vivek for taking the time to post the help for these commands in a detailed manner!

*←* ∞

**jeff** • Jun 30, 2011 @ 12:43

Thanks for the help, I found the problem right off!

*←* ∞

dizzy • Jul 14, 2011 @ 20:47

Very useful, thanks!

kebiraj • Jul 15, 2011 @ 12:45

hi,

i'm running one process in linux server with the common user that is using by 20 people from different windows machine, i want to know who executed the command at what time in the linux server? is there any file/log location that having all the commands that executed in the server.

Thanks in adv,

Kebiraj

**n00b** • Aug 3, 2011 @ 10:24

very useful commands, thanks to OP.

Thanks to everyone else for the amusing read lol

 $\omega$ 

justme19 · Aug 6, 2011 @ 15:34

Thanks a lot for this articles. I searched for one solution and found several in one page. God bless u Vivek for making some of us who are new and started to "walk" with Linux, and for those unjustified comments..well just ignored them.

*←* ∞

**sheril** • Sep 20, 2011 @ 0:52

Thanks, Well explained.

 $\omega$   $\omega$ 

sureshatt • Oct 10, 2011 @ 6:41

Great article. Thank you very much. And one thing to remember for all linuxholics, "Linux is for human being's goodness", sharing is the fuel that runs the community. Share everything even if you think it is less important, because there are many people who are looking for a point to startup. Knowing Linux means nothing if you don't know the great philosophy behind it. thanks,

*←* ∞

**Momo** • Oct 19, 2011 @ 17:40

Many thanks for posting those instructions.

*←* ∞

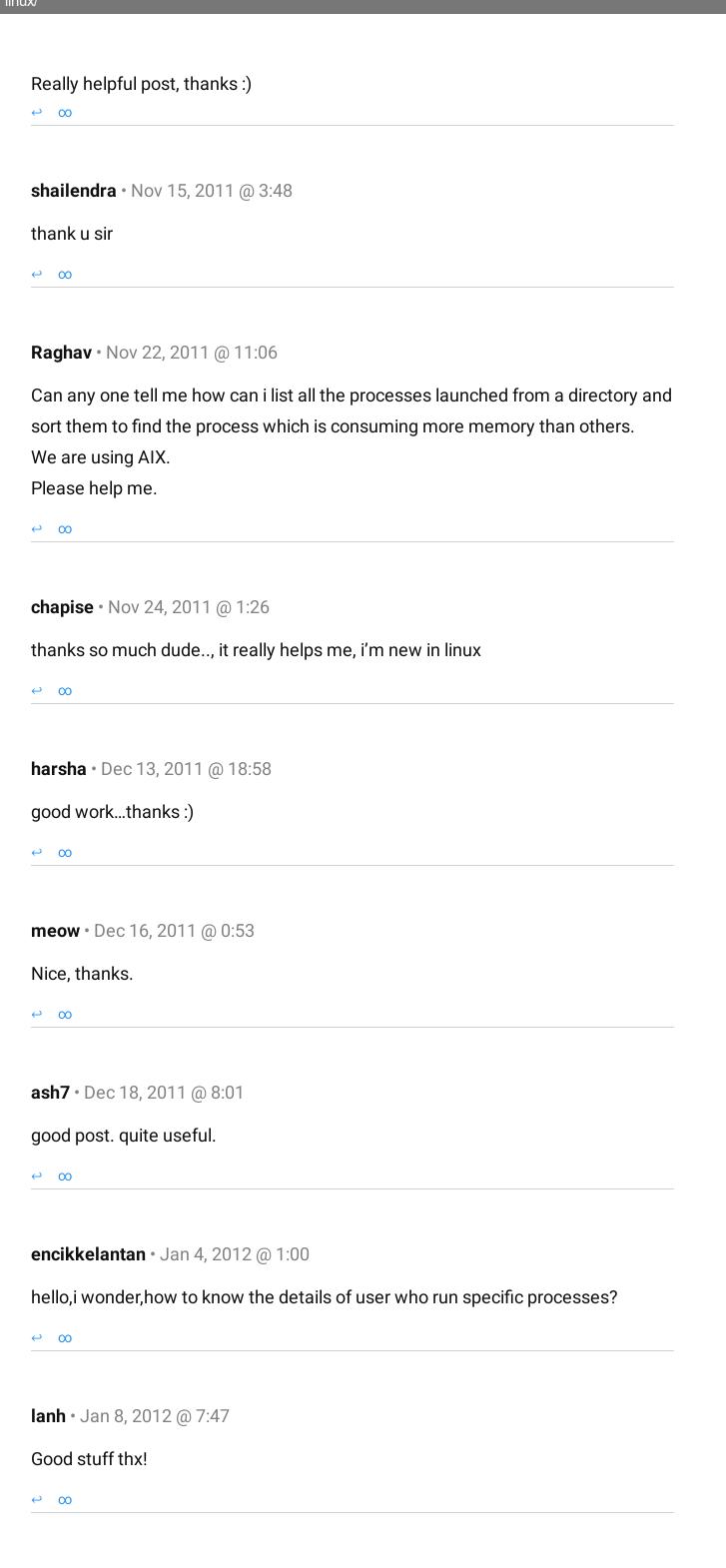
Fred • Oct 20, 2011 @ 23:41

Great work, very clear instruction. I've been using Linux for 2 years and still believe there's a lot for me to learn or I should say to know. Pages like this makes a huge difference for learners who try and never give up. I really appreciate the time and efforts of the author, keep it up my friend. As for the guy with "walk" comment I'd like to say you don't have to read what you don't like, at least give this guy the credit for the time and effort for putting this together for the world and, go ahead and show the world what you're ca[able of.

Fred

alvarobsp • Oct 21, 2011 @ 2:15

@saurobh: Successful troll is successful. lol



**Shaza** • Feb 10, 2012 @ 8:09

bkmraaster on November 6, 2011 Oh well why not give it a shot, there's nothing to lose, so I guess there's everything to win! And cmon who doesn't like sony products!

 $\leftarrow \infty$ 

**ahmed** • Mar 14, 2012 @ 18:57

i love you

 $\omega$   $\omega$ 

**Rafael** • Mar 15, 2012 @ 12:42

Thanks for your article, help me a lot!

<del>ر</del> ∞

**Edward Beckett •** Jul 6, 2012 @ 6:28

This site's one of the best resources for nix noobs ... much prec

 $\omega$   $\omega$ 

arif • Jul 7, 2012 @ 14:31

i have run vacum but still the problem not yet solved

 $[{\tt root@onms\text{-}dr\ mysql}] \textit{\# /etc/init.d/opennms\ start}$ 

Starting OpenNMS: org.postgresql.util.PSQLException: FATAL: database is not accepting commands to avoid wraparound data loss in database "postgres" OpenNMS runs better if you start up the database first.

[FAILED]

 $\leftarrow$   $\infty$ 

Satish • Sep 17, 2012 @ 13:40

you can also view all the running process by running the below command

service -status-all

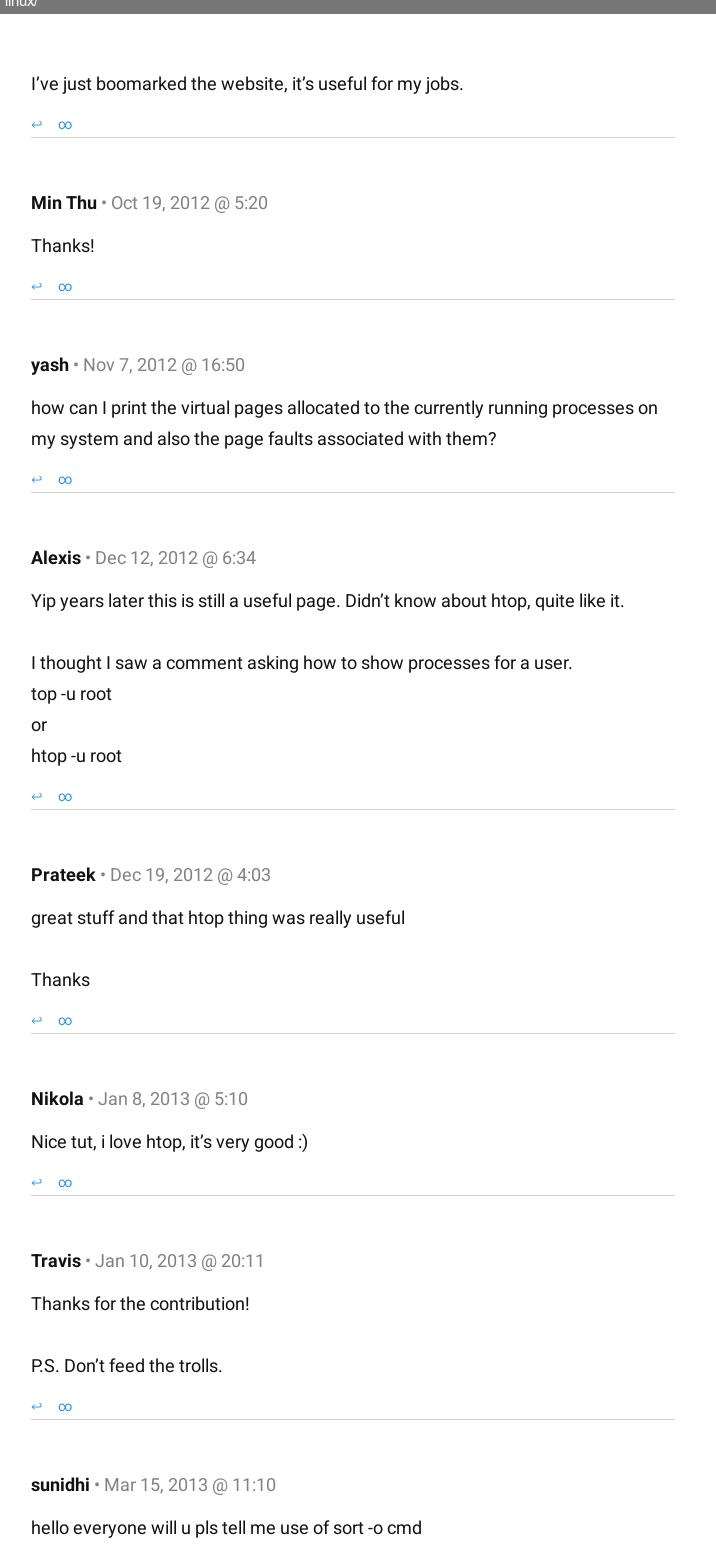
→ ∞

**Ahsan** • Sep 28, 2012 @ 8:06

Nice site... for noobs:)

→ ∞

**Toppy** • Oct 5, 2012 @ 5:43



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Richard Blaine • Mar 22, 2013 @ 22:47

Thank you much. The information might be dated, but still very relevant. Good Stuff.

*←* ∞

I am an Indian • Apr 12, 2013 @ 7:08

Great article thanks to author for this nice help.

To all those above blaming Indian in any mean, just google our statistics over technology, you will see that you people are learning from Indian. So don't angry me again

رب ∞

IfOnly • Sep 3, 2016 @ 13:57

Lots of racism in America (and elsewhere), sadly. Chump still getting almost half the poll; his ratings have dipped a little after a series of spectacular gaffes and public GOP infighting, but that probably mostly just reflects the natural reticence of some voters to tell opinion pollsters to their face that they're a racist, and not an actual opinion shift. (In the UK such opinion polling reticence at the clipboard-face produced the "shy Tory" and "shy Brexiteer" phenomena in 1992 and 2016, which badly overestimated Labour and Remain support respectively, and predicted the opposite results to actual). Rednecks seem to prevail in America, and in my estimation a Chump presidency remains a very real risk.

The Indian space programme is well-resourced and impressively ambitious. By way of contrast, the British space programme is run on a shoestring from a garden shed in Leicester. Its crowning achievement was the BEAGLE2, which was made from old Sqezy washing-up liquid bottles and sticky-backed plastic. BEAGLE2's signal lasted for about 20 seconds before fading away with a whimper, leading Prof. Colin Pillinger to lament: "If only Britain had applied to India for overseas aid, we could have afforded a second reel of sticky-backed plastic to hold the undercarriage together and BEAGLE2 would still be transmitting".

→ ∞

Marco • Jun 28, 2013 @ 15:00

To show all active services, both upstart and chkconfig, try:

(chkconfig -list | grep :on | sed 's/ .\*//'; initctl list | grep process | sed 's/ .\*//') | sort

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```
Chaitanya • Oct 28, 2013 @ 3:11
Dear Friends,
How to check that specific process is working fine or not for eg. HeartBeat
manager, IKEN process, FSM, LSTP etc etc.
kindly suggest
Regards
Chaitanya Mahamana
9871351236
\leftarrow \infty
IBRAHIM • Oct 31, 2013 @ 23:29
which command shows who is currently on the system and their processes?
\omega \omega
Marco • Nov 28, 2013 @ 22:46
Thanks!
\omega \omega
xsgluozi • Feb 16, 2014 @ 12:00
Great article, thanks a lot.
\omega \omega
latereaction • Apr 21, 2014 @ 22:31
helpful post and funny thread. Great read!;)
\omega \infty
racemaster • Jun 25, 2014 @ 19:51
Awesome article!!!!!!!!!!!!!!
Pauline • Feb 9, 2015 @ 9:01
Hi,
I need a HELP on which command should I check for the running services.
Thanks
\omega \omega
```

```
James Brown • Feb 24, 2015 @ 5:37
Great. Thats what I was looking for :)
\leftarrow \infty
david • Jun 26, 2015 @ 19:56
nice, love linux
\omega \infty
Prabhakar • Jul 5, 2015 @ 6:56
Good one. Thanks.
\leftarrow \infty
cescgie • Nov 2, 2015 @ 10:51
nice info. thx
\leftarrow \infty
Jeyaraj • Feb 10, 2016 @ 9:23
very helpfull......this site....
\omega \omega
sreedhar reddy • Feb 26, 2016 @ 10:55
Thank you very much.
very nice session
\omega \omega
Tiky • Apr 9, 2016 @ 21:42
Thank you for sharing this information about Linux.
periklis • Apr 13, 2016 @ 20:11
Thank you for sharing very good article!
screw indians • May 10, 2016 @ 9:46
indians R stoopid Imao XD
\omega \omega
```

tony-nonymous • May 22, 2016 @ 3:06

I'm glad you posted this page, so I can remember how to use "top" and "ps aux", or maybe I'd forget. I walk frequently, so I don't typically forget how to walk, but if I do, I will just "google it".

IfOnly • Sep 3, 2016 @ 12:28

Wonderful article, cyberciti. Linux and Unix are not particularly easy systems for neophytes fed to date by the Windows spoon. Many commands are weird short sequences of bald alphanumeric characters, and the hot sequences to use for a given task just have to be learned and accumulated starting from a blank slate.

Please could you consider possibly doing another "How To" article, this time on the seemingly impenetrable technical subject of "How Linux Users can express their disagreements with each other in a civil and dignified manner".

 $\omega$   $\omega$ 

Eran • Dec 12, 2016 @ 18:07

How can you tell, by using ps or others, which process is a service?

 $\omega$   $\omega$ 

**Jeffry** • Dec 20, 2016 @ 10:57

This article helps me alot. I often reffer to cyberciti.biz yeahh!!! May the force be with you!

 $\omega$   $\omega$ 

**Yoodle** • Jan 11, 2017 @ 0:42

Vivek.

I am a security professional working with Linux since almost when it first came out. I just wanted to take a moment and thank you for your post. I don't think any of us here are "experts". It's nice to see someone that reminds us of commands that can be easily forgotten or overlooked. Keep up the good work my friend! Yoodle

 $\infty$ 

🧸 🌓 Vivek Gite • Jan 11, 2017 @ 12:54

Thank you for the kind words.

 $\infty$ 

**tredspane** • Jan 16, 2017 @ 19:58

I second what Yoodle said!

putra agung • Feb 21, 2017 @ 3:53

nice info :)

Kreszentia Tiedemann • Jun 7, 2021 @ 11:16

Excellent page. Solved problem on my SUSE Enterprise Linux server running at AWS EC2 EAST data centre. Danke.

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**Jonny** • Aug 14, 2023 @ 7:34

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