

Environment Variables & PATH

```
mangesh@ip-172-31-37-172:~$ echo $VARIABLE_NAME
mangesh@ip-172-31-37-172:~$ env
SHELL=/bin/bash
PWD=/home/mangesh
LOGNAME=mangesh
HOME=/home/mangesh
LANG=C.UTF-8
LS_COLORS=r=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33:01:cd=40;33:01:or=40;31:01:mi=00:su=37;41:sg=30;43:ca=00:tm=30;2:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arj=01;31:*.tar.zst=01;31:*.lha=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;1;31:*.tzo=01;31:*.c7z=01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lzr=01;31:*.lz=01;31:*.xz=01;31:*.zst=02:01;31:*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.war=01;31:*.ear=01;31:*.sar=01;31:*.rar=01;31:31:*.ace=01;31:*.zoo=01;31:*.cpio=01;31:*.7z=01;31:*.rz=01;31:*.cab=01;31:*.wim=01;31:*.swm=01;31:*.dewm=01;31:*.esd=01;31:*.avif=01;35:*.jpjpeg=01;35:*.wjpeg=01;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*.tga=01;35:*.xpm=01;35:*.xbm=01;35:*.xbm=01;35:*.tif=01;35:*.png=01;35:*.svg=01;35:*.svgs=01;35:*.mng=01;35:*.pcx=01;35:*.mov=01;35:*.mpg=01;35:*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.webp=01;35:*.ogg=01;35:*.mp4=01;35:*.m4v=01;35:*.mp4v=01;35:*.vob=01;35:*.qt=01;35:*.nuv=01;35:*.wmv=01;35:*.asf=01;35:*.rm=01;35:*.rmvb=01;35:*.avi=01;35:*.fl1=01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35:*.yuv=01;35:*.cgm=01;35:*.emf=01;35:*.ogg=01;35:*.ogv=01;35:*.oga=00;36:*.au=00;36:*.flac=00;36:*.mda=00;36:*.mid=00;36:*.midi=00;36:*.mp3=00;36:*.mpc=00;36:*.ogg=00;36:*.ra=00;36:*.wave=00;36:*.opus=00;36:*.spx=00;36:*.xspf=00;36:*.a=00;90:*.bak=00;90:*.crdownload=00;90:*.dpkg-dist=00;90:*.dpkg-new=00;90:*.tmp=00;90:*.dpkg-tmp=00;90:*.old=00;90:*.orig=00;90:*.part=00;90:*.rej=00;90:*.rpmnew=00;90:*.rpmsave=00;90:*.swp=00;90:*.tmp=00;90:*.ucf-new=00;90:*.ucf-old=00;90:
LESSCLOSE=/usr/bin/lesspipe % * %
```

i-078796b0cc648b0da (Task6-Ubuntu)

PublicIPs: 13.126.211.22 PrivateIPs: 172.31.37.172

```
mangesh@ip-172-31-37-172:~$ export MY_VAR="my_value"
mangesh@ip-172-31-37-172:~$ echo $MY_VAR
my_value
mangesh@ip-172-31-37-172:~$ []
```

```
GNU nano 7.2                                     /etc/environment
PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/shin:/bin:/usr/games:/usr/local/games:/snap/bin"

^G Help      ^Q Write Out   ^W Where Is   ^R Cut          [ Read 1 line ]
^X Exit      ^R Read File  ^\ Replace    ^U Paste        ^T Execute     ^C Location   M-U Undo
                                         ^J Justify    ^/ Go To Line  M-B Redo    M-A Set Mark
                                         M-C Copy

i-078796b0cc648b0da (Task6-Ububtu)
Public IPs: 13.126.211.22  Private IPs: 172.31.37.172
```

```
mangesh@ip-172-31-37-172:~$ export MY_VAR="my_value"
mangesh@ip-172-31-37-172:~$ echo $MY_VAR
my_value
mangesh@ip-172-31-37-172:~$ nano ~/.bashrc
mangesh@ip-172-31-37-172:~$ export CUSTOM_VAR="your_value"
mangesh@ip-172-31-37-172:~$ source ~/.bashrc
mangesh@ip-172-31-37-172:~$ sudo nano /etc/environment
[sudo] password for mangesh:
mangesh@ip-172-31-37-172:~$ █
```

i-078796b0cc648b0da (Task6-Ububtu)

Public IPs: 13.126.211.22 Private IPs: 172.31.37.172



```

my_value
mangesh@ip-172-31-37-172:~$ nano ~/.bashrc
mangesh@ip-172-31-37-172:~$ export CUSTOM_VAR="your_value"
mangesh@ip-172-31-37-172:~$ source ~/.bashrc
mangesh@ip-172-31-37-172:~$ sudo nano /etc/environment
[sudo] password for mangesh:
mangesh@ip-172-31-37-172:~$ echo $MY_VARIABLE

mangesh@ip-172-31-37-172:~$ echo $GLOBAL_VAR

mangesh@ip-172-31-37-172:~$ source /etc/environment
mangesh@ip-172-31-37-172:~$ exit
logout
ubuntu@ip-172-31-37-172:~$ su - mangesh
Password:
su: Authentication failure
ubuntu@ip-172-31-37-172:~$ su - mangesh
Password:
mangesh@ip-172-31-37-172:~$ source /etc/environment
mangesh@ip-172-31-37-172:~$ echo $GLOBAL_VAR

mangesh@ip-172-31-37-172:~$ █

```

i-078796b0cc648b0da (Task6-Ububtu)

PublicIPs: 13.126.211.22 PrivateIPs: 172.31.37.172

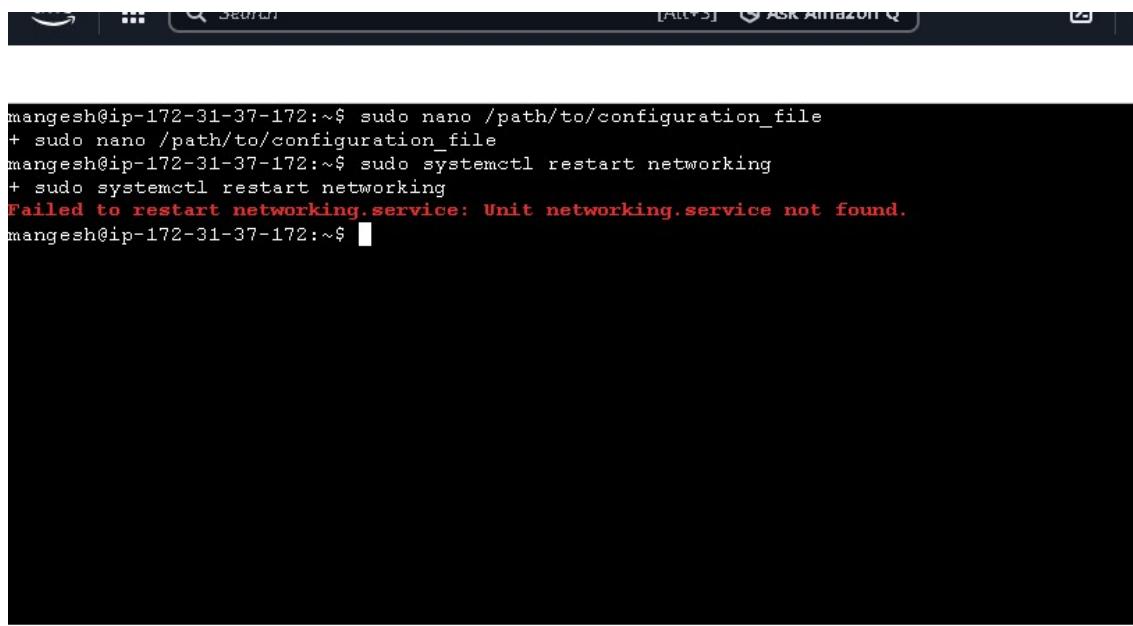
```

+++ [[ -x /etc/bash_completion.d ]]
+++ for i in "$compat_dir"/*
+++ [[ git-prompt != @(###!~|.@(bak|orig|rej|swp|dpkg*|rpm@|orig|new|save))) |Makefile*|@(.acoread.sh) ]]
+++ [[ -f /etc/bash_completion.d/git-prompt ]]
+++ [[ -r /etc/bash_completion.d/git-prompt ]]
+++ . /etc/bash_completion.d/git-prompt
++++ [[ -e /usr/lib/git-core/git-sh-prompt ]]
++++ . /usr/lib/git-core/git-sh-prompt
##### _git_printf_supports_v=
##### printf -v _git_printf_supports_v -- %s yes
+++ unset compat_dir i _blacklist_glob
+++ user_completion=/home/mangesh/.bash_completion
+++ [[ /usr/share/bash-completion/bash_completion != \\h\\o\\m\\e\\\\m\\a\\n\\g\\e\\s\\h\\\\.\\b\\a\\s\\h\\_\\c\\o\\m\\p\\l\\e\\t\\i\\o\\n\\ ]]
+++ [[ -r /home/mangesh/.bash_completion ]]
+++ unset user_completion
+++ unset -f have
+++ unset have
+++ set +
+++ unset BASH_COMPLETION_ORIGINAL_V_VALUE
+ '[' -d /home/mangesh/bin ']'
+ '[' -d /home/mangesh/.local/bin ']'
mangesh@ip-172-31-37-172:~$ █

```

i-078796b0cc648b0da (Task6-Ububtu)

PublicIPs: 13.126.211.22 PrivateIPs: 172.31.37.172



```
mangesh@ip-172-31-37-172:~$ sudo nano /path/to/configuration_file
+ sudo nano /path/to/configuration_file
mangesh@ip-172-31-37-172:~$ sudo systemctl restart networking
+ sudo systemctl restart networking
Failed to restart networking.service: Unit networking.service not found.
mangesh@ip-172-31-37-172:~$ █
```

i-078796b0cc648b0da (Task6-Ubuntu)

```
mangesh@ip-172-31-37-172:~$ sudo nano /path/to/configuration_file
+ sudo nano /path/to/configuration_file
mangesh@ip-172-31-37-172:~$ sudo systemctl restart networking
+ sudo systemctl restart networking
Failed to restart networking.service: Unit networking.service not found.
mangesh@ip-172-31-37-172:~$ sudo reboot
+ sudo reboot

Broadcast message from root@ip-172-31-37-172 on pts/1 (Mon 2026-01-26 16:30:58 UTC):

The system will reboot now!
mangesh@ip-172-31-37-172:~$ █
```

i-078796b0cc648b0da (Task6-Ubuntu)

PublicIPs: 13.126.211.22 PrivateIPs: 172.31.37.172