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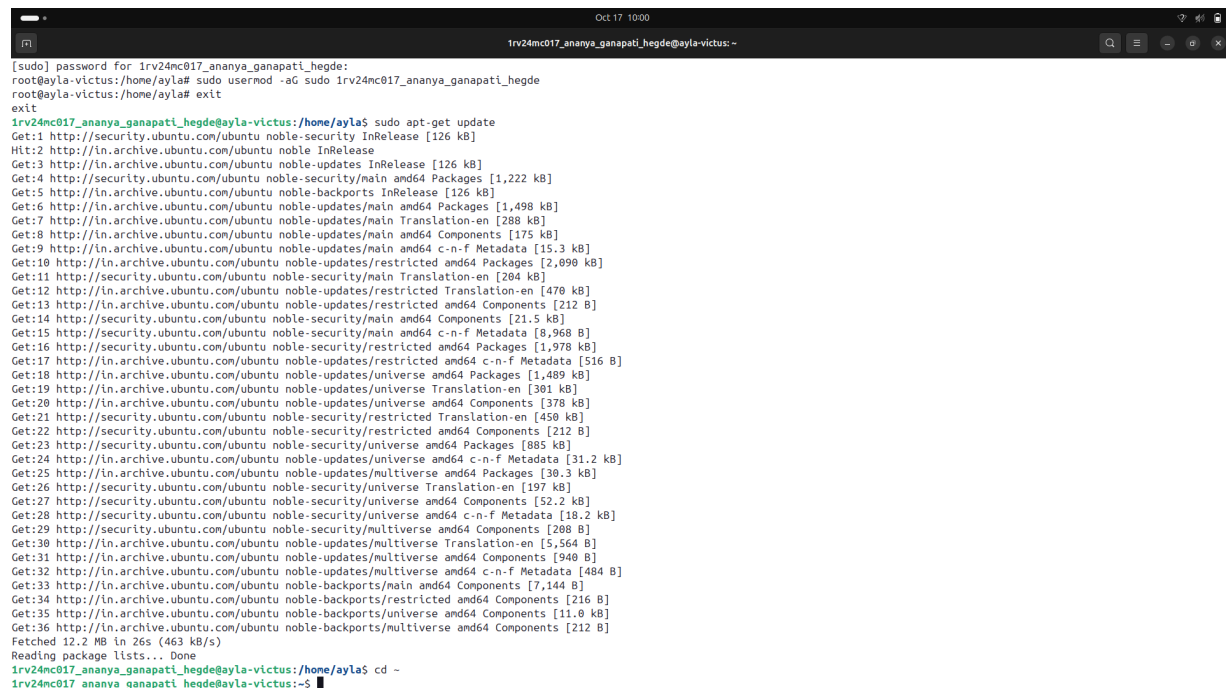
USN: 1RV24MC017

Date: 17th October, 2025

1) Adding a user with username in the specified format

```
ayla@ayla-victus:~$ sudo adduser 1rv24mc017_ananya_ganapati_hegde
err: Please enter a username matching the regular expression
      configured via the NAME_REGEX configuration variable. Use the
      '--allow-bad-names' option to relax this check or reconfigure
      NAME_REGEX in configuration.
ayla@ayla-victus:~$ sudo adduser 1rv24mc017_ananya_ganapati_hegde --allow-bad-names
info: Allowing use of questionable username.
info: Adding user `1rv24mc017_ananya_ganapati_hegde' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `1rv24mc017_ananya_ganapati_hegde' (1001) ...
info: Adding new user `1rv24mc017_ananya_ganapati_hegde' (1001) with group `1rv24mc017_ananya_ganapati_hegde (1001)' ...
info: Creating home directory `/home/1rv24mc017_ananya_ganapati_hegde' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for 1rv24mc017_ananya_ganapati_hegde
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n]
info: Adding new user `1rv24mc017_ananya_ganapati_hegde' to supplemental / extra groups `users' ...
info: Adding user `1rv24mc017_ananya_ganapati_hegde' to group `users' ...
ayla@ayla-victus:~$ sudo su 1rv24mc017_ananya_ganapati_hegde
1rv24mc017_ananya_ganapati_hegde@ayla-victus:/home/ayla$ cd ~
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$ █
```

2) Sudo apt-get update



```
Oct 17 10:00
1rv24mc017_ananya_ganapati_hegde@ayla-victus: ~
[sudo] password for 1rv24mc017_ananya_ganapati_hegde:
root@ayla-victus:/home/ayla# sudo usermod -aG sudo 1rv24mc017_ananya_ganapati_hegde
root@ayla-victus:/home/ayla# exit
exit
1rv24mc017_ananya_ganapati_hegde@ayla-victus:/home/ayla$ sudo apt-get update
Get:1 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Hit:2 http://in.archive.ubuntu.com/ubuntu noble InRelease
Get:3 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1,222 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1,498 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [288 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.3 kB]
Get:10 http://in.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [2,090 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [204 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [470 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:14 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8,968 B]
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1,978 kB]
Get:17 http://in.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [516 B]
Get:18 http://in.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1,489 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [301 kB]
Get:20 http://in.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [370 kB]
Get:21 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [450 kB]
Get:22 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:23 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [885 kB]
Get:24 http://in.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [31.2 kB]
Get:25 http://in.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [30.3 kB]
Get:26 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [197 kB]
Get:27 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:28 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [18.2 kB]
Get:29 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:30 http://in.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [5,564 B]
Get:31 http://in.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:32 http://in.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [484 B]
Get:33 http://in.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7,144 B]
Get:34 http://in.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:35 http://in.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [11.0 kB]
Get:36 http://in.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Fetched 12.2 MB in 26s (463 kB/s)
Reading package lists... Done
1rv24mc017_ananya_ganapati_hegde@ayla-victus:/home/ayla$ cd ~
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$ █
```

3) Add Docker's official GPG key

```
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$ sudo apt-get install ca-certificates curl
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20240203).
ca-certificates set to manually installed.
The following NEW packages will be installed:
  curl
0 upgraded, 1 newly installed, 0 to remove and 270 not upgraded.
Need to get 226 kB of archives.
After this operation, 534 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 curl amd64 8.5.0-2ubuntu10.6 [226 kB]
Fetched 226 kB in 6s (40.9 kB/s)
Selecting previously unselected package curl.
(Reading database ... 149977 files and directories currently installed.)
Preparing to unpack .../curl_8.5.0-2ubuntu10.6_amd64.deb ...
Unpacking curl (8.5.0-2ubuntu10.6) ...
Setting up curl (8.5.0-2ubuntu10.6) ...
Processing triggers for man-db (2.12.0-4build2) ...
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$ sudo install -m 0755 -d /etc/apt/keyrings
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$ sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$ sudo chmod a+r /etc/apt/keyrings/docker.asc
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$
```

```
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$ echo \
"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \
${. /etc/os-release && echo "${UBUNTU_CODENAME:-$VERSION_CODENAME}"} stable" | \
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
Hit:1 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://security.ubuntu.com/ubuntu noble-security InRelease
Get:3 https://download.docker.com/linux/ubuntu noble InRelease [48.5 kB]
Hit:4 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:5 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Get:6 https://download.docker.com/linux/ubuntu noble/stable amd64 Packages [33.0 kB]
Fetched 81.5 kB in 6s (12.5 kB/s)
Reading package lists... Done
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$
```

```
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$ sudo apt-get install docker-ce docker-ce-cli
containerd.io docker-buildx-plugin docker-compose-plugin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  docker-ce-rootless-extras git git-man liberror-perl libsllp0 pigz slirp4netns
Suggested packages:
  cgroupfs-mount | cgroup-lite docker-model-plugin git-daemon-run | git-daemon-sysvinit
  git-doc git-email git-gui gitk gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli docker-ce-rootless-extras
  docker-compose-plugin git git-man liberror-perl libsllp0 pigz slirp4netns
0 upgraded, 12 newly installed, 0 to remove and 270 not upgraded.
Need to get 110 MB of archives.
After this operation, 461 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
0% [Connecting to download.docker.com] [Connecting to in.archive.ubuntu.com]
```

```

● docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: enabled)
   Active: active (running) since Fri 2025-10-17 10:10:41 IST; 26s ago
     TriggeredBy: ● docker.socket
        Docs: https://docs.docker.com
    Main PID: 19635 (dockerd)
      Tasks: 18
     Memory: 23.8M (peak: 25.5M)
        CPU: 630ms
    CGroup: /system.slice/docker.service
            └─19635 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 17 10:10:41 ayla-victus dockerd[19635]: time="2025-10-17T10:10:41.149050928+05:30" level=>
Oct 17 10:10:41 ayla-victus dockerd[19635]: time="2025-10-17T10:10:41.203219699+05:30" level=>
Oct 17 10:10:41 ayla-victus dockerd[19635]: time="2025-10-17T10:10:41.234451749+05:30" level=>
Oct 17 10:10:41 ayla-victus dockerd[19635]: time="2025-10-17T10:10:41.742306561+05:30" level=>
Oct 17 10:10:41 ayla-victus dockerd[19635]: time="2025-10-17T10:10:41.764227170+05:30" level=>
Oct 17 10:10:41 ayla-victus dockerd[19635]: time="2025-10-17T10:10:41.764386759+05:30" level=>
Oct 17 10:10:41 ayla-victus dockerd[19635]: time="2025-10-17T10:10:41.785147559+05:30" level=>
Oct 17 10:10:41 ayla-victus dockerd[19635]: time="2025-10-17T10:10:41.796486152+05:30" level=>
Oct 17 10:10:41 ayla-victus dockerd[19635]: time="2025-10-17T10:10:41.796664886+05:30" level=>
Oct 17 10:10:41 ayla-victus systemd[1]: Started docker.service - Docker Application Container>

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lines 1-22/22 (END)
```

6) Docker run hello-world

```
1rv24mc017_ananya_ganapati_hegde@ayla-victus: ~  
latest: Pulling from library/hello-world  
17eec7bbc9d7: Pull complete  
  
Digest: sha256:6dc565aa630927052111f823c303948cf83670a3903ffa3849f1488ab517f891  
Status: Downloaded newer image for hello-world:latest  
docker.io/library/hello-world:latest  
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$ sudo docker run hello-world  
  
Hello from Docker!  
This message shows that your installation appears to be working correctly.  
  
To generate this message, Docker took the following steps:  
1. The Docker client contacted the Docker daemon.  
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.  
   (amd64)  
3. The Docker daemon created a new container from that image which runs the  
   executable that produces the output you are currently reading.  
4. The Docker daemon streamed that output to the Docker client, which sent it  
   to your terminal.  
  
To try something more ambitious, you can run an Ubuntu container with:  
$ docker run -it ubuntu bash  
  
Share images, automate workflows, and more with a free Docker ID:  
https://hub.docker.com/  
  
For more examples and ideas, visit:  
https://docs.docker.com/get-started/  
  
1rv24mc017_ananya_ganapati_hegde@ayla-victus:~$
```