

LINUX PROJECT-1

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Select samim@9819fd877cfb527: ~  
database [key ...]  
samim@9819fd877cfb527:~$ grep -E '^ (VERSION|NAME)= ' /etc/os-release  
NAME="Ubuntu"  
VERSION="24.04.1 LTS (Noble Numbat)"  
samim@9819fd877cfb527:~$ sudo apt update && sudo apt upgrade  
[sudo] password for samim:  
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease  
Get:2 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]  
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]  
Get:4 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [7228 B]  
Get:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]  
Get:6 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.0 kB]  
Get:7 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]  
Get:8 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]  
Get:9 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]  
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [309 kB]  
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]  
Get:12 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]  
Get:13 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]  
Get:14 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [11.7 kB]  
Get:15 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]  
Get:16 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]  
Fetched 912 kB in 3s (280 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
7 packages can be upgraded. Run 'apt list --upgradable' to see them.  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
Calculating upgrade... Done  
The following NEW packages will be installed:  
  ethtool  
The following packages will be upgraded:  
  libnetplan1 libpolkit-agent-1-0 libpolkit-gobject-1-0 netplan-generator netplan.io polkitd python3-netplan  
7 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.  
Need to get 675 kB of archives.  
After this operation, 796 kB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 netplan-generator amd64 1.1.1-1ubuntu24.04.1 [60.8 kB]  
Get:2 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 python3-netplan amd64 1.1.1-1ubuntu24.04.1 [24.3 kB]
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samim@9819fd877cfb527:~$
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...
samim@9819fd877cfb527:~$ sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser ufw
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert
0 upgraded, 10 newly installed, 0 to remove and 0 not upgraded.
Need to get 2084 kB of archives.
After this operation, 9894 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libapr1t64 amd64 1.7.2-3.1ubuntu0.1 [180 kB]
Get:2 http://archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1t64 amd64 1.6.3-1.1ubuntu7 [91.9 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.3-1.1ubuntu7 [11.2 kB]
Get:4 http://archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-ldap amd64 1.6.3-1.1ubuntu7 [9116 B]
Get:5 http://archive.ubuntu.com/ubuntu noble/main amd64 liblua5.4-0 amd64 5.4.6-3build2 [166 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-bin amd64 2.4.58-1ubuntu8.5 [1329 kB]
Get:7 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-data all 2.4.58-1ubuntu8.5 [163 kB]
Get:8 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-utils amd64 2.4.58-1ubuntu8.5 [97.1 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2 amd64 2.4.58-1ubuntu8.5 [90.2 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble/main amd64 ssl-cert all 1.1.2ubuntu1 [17.8 kB]
Fetched 2084 kB in 3s (651 kB/s)
Preconfiguring packages ...
Selecting previously unselected package libapr1t64:amd64.
(Reading database ... 40810 files and directories currently installed.)
Preparing to unpack .../8-libapr1t64_1.7.2-3.1ubuntu0.1_amd64.deb ...
Unpacking libapr1t64:amd64 (1.7.2-3.1ubuntu0.1) ...
Selecting previously unselected package libaprutil1t64:amd64.
Preparing to unpack .../1-libaprutil1t64_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1t64:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../2-libaprutil1-dbd-sqlite3_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../3-libaprutil1-ldap_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package liblua5.4-0:amd64.
Preparing to unpack .../4-liblua5.4-0_5.4.6-3build2_amd64.deb ...

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samim@9819fd877cfb527:~$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable apache2
samim@9819fd877cfb527:~$ sudo mkdir -p /var/www/html/test_website/
samim@9819fd877cfb527:~$ echo "<html><head><title>Example</title></head><body><h1>GFG</h1><p>This is a test.</p></body></html>" | sudo tee /var/www/html/test_website/index.html
<html><head><title>Example</title></head><body><h1>GFG</h1><p>This is a test.</p></body></html>

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LINUX PROJECT-1

```
samim@9819fd877cfb527:~$ echo '<VirtualHost *:80>
web.testingserver.com
    Docum>      ServerName web.testingserver.com
>      DocumentRoot /var/www/html/website
>      DirectoryIndex index.html
>      ErrorLog /var/log/httpd/example.com_error.log
>      CustomLog /var/log/httpd/example.com_requests.log combined
> </VirtualHost>' | sudo tee /etc/httpd/conf.d/web.conf > /dev/null
```

