

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ host
```

```
Usage: host [-aCdilrTvVw] [-c class] [-N ndots] [-t type] [-W time]
           [-R number] [-m flag] [-p port] hostname [server]
-a is equivalent to -v -t ANY
-A is like -a but omits RRSIG, NSEC, NSEC3
-c specifies query class for non-IN data
-C compares SOA records on authoritative nameservers
-d is equivalent to -v
-l lists all hosts in a domain, using AXFR
-m set memory debugging flag (trace|record|usage)
-N changes the number of dots allowed before root lookup is done
-p specifies the port on the server to query
-r disables recursive processing
-R specifies number of retries for UDP packets
-s a SERVFAIL response should stop query
-t specifies the query type
-T enables TCP/IP mode
-U enables UDP mode
-v enables verbose output
-V print version number and exit
-w specifies to wait forever for a reply
-W specifies how long to wait for a reply
-4 use IPv4 query transport only
-6 use IPv6 query transport only
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$
```



ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind\$



```
(gedit:15581): dconf-WARNING **: 03:21:43.645: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15581): dconf-WARNING **: 03:21:43.647: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15581): dconf-WARNING **: 03:21:43.733: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15581): dconf-WARNING **: 03:21:43.733: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15581): dconf-WARNING **: 03:21:43.733: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
** (gedit:15581): WARNING **: 03:21:49.450: Set document metadata failed: Setting attribute metadata::gedit-position not supported
(gedit:15581): dconf-WARNING **: 03:21:49.457: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano db.172
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo gedit db.172
(gedit:15637): dconf-WARNING **: 03:22:10.351: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15637): dconf-WARNING **: 03:22:10.353: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15637): dconf-WARNING **: 03:22:10.437: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15637): dconf-WARNING **: 03:22:10.437: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15637): dconf-WARNING **: 03:22:10.437: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
** (gedit:15637): WARNING **: 03:22:16.338: Set document metadata failed: Setting attribute metadata::gedit-position not supported
(gedit:15637): dconf-WARNING **: 03:22:16.345: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo gedit db.harshdomain.com
(gedit:15677): dconf-WARNING **: 03:22:24.150: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15677): dconf-WARNING **: 03:22:24.152: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15677): dconf-WARNING **: 03:22:24.243: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15677): dconf-WARNING **: 03:22:24.244: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15677): dconf-WARNING **: 03:22:24.244: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
** (gedit:15677): WARNING **: 03:22:32.122: Set document metadata failed: Setting attribute metadata::gedit-position not supported
(gedit:15677): dconf-WARNING **: 03:22:32.129: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ nslookup harshdomain.com
^C
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ nslookup harshdomain.com
Server: 172.25.6.24
Address: 172.25.6.24#53

Name: harshdomain.com
Address: 172.25.6.24

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$
```

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: /etc/bind

```
(gedit:1552): dconf-WARNING **: 03:21:21.104: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:1552) Open db.harshdomain.com /etc/bind Save
(gedit:1552) 
(gedit:1552) 2 $TTL 604800
(gedit:1552) 3 @ IN SOA dns-server.harshdomain.com. root.harshdomain.com. (
(gedit:1552) 4 2024042301 ; Serial
(gedit:1552) 5 604800 ; Refresh
(gedit:1552) 6 86400 ; Retry
(gedit:1552) 7 2419200 ; Expire
(gedit:1552) 8 604800 ) ; Negative Cache TTL
(gedit:1552) 9 ;
(gedit:1552) 10 @ IN NS dns-server.harshdomain.com.
(gedit:1552) 11 @ IN A 172.25.6.24
(gedit:1552) 12 dns-server IN A 172.25.6.24
(gedit:1552) 13 web-server IN A 172.25.6.32
(gedit:1552) 14 www IN A 172.25.6.32
(gedit:1552) 15
(gedit:1558)
** (gedit:1
(gedit:1558)
** (gedit:1
(gedit:1558)
ubuntu@ubuntu:~$
```

```
(gedit:15677): dconf-WARNING **: 03:22:24.150: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15677): dconf-WARNING **: 03:22:24.152: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15677): dconf-WARNING **: 03:22:24.243: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15677): dconf-WARNING **: 03:22:24.244: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:15677): dconf-WARNING **: 03:22:24.244: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
```

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: /etc/bin

Aug 02 03:03:02 ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC named[14856]: managed-keys-zone: Unable to

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: /etc/bind$ nslookup harshdomain.com
```

Server: Open ⌂ db.172 Save Address: /etc/bind

Name: harshdomain.com  
Address: 172.16.1.100

```
1
2 $TTL 604800
3 @ IN SOA dns-server.harshdomain.com. root.harshdomain.com. (
4                               2024042301 ; Serial
5                               604800    ; Refresh
6                               86400    ; Retry
7                               2419200  ; Expire
8                               604800 ) ; Negative Cache TTL
9 ;
10 @ IN NS dns-server.harshdomain.com.
11 24 IN PTR dns-server.harshdomain.com.
12 32 IN PTR web-server.harshdomain.com.

(gedit:1552
(gedit:1552
(gedit:1552
** (gedit:1552
(gedit:1552
ubuntu@ubuntu:~$ (gedit:1558
(gedit:1558
(gedit:1558
(gedit:1558
(gedit:1558
** (gedit:1558
(gedit:1558
ubuntu@ubuntu:~$ (gedit:1558
ubuntu@ubuntu:~$
```

```
ss "dbus-launch" (No such file or directory)
```

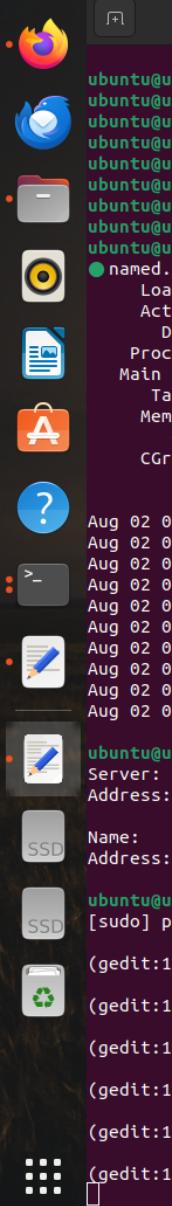
## Activities

 Gedit

Aug 2 03:21

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: /etc/bind





```
;; communications error to 127.0.0.1#53: connection refused
; <>> DiG 9.18.30-0ubuntu0.22.04.2-Ubuntu <>> @localhost web-server.harshdomain.com
; (1 server found)
; global options: +cmd
; no servers could be reached
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ cd etc
bash: cd: etc: No such file or directory
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ cd /etc
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ nslookup harshdomain.com
Server:      172.25.6.24
Address:     172.25.6.24#53

*** Can't find harshdomain.com: No answer

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ cd bind
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano named.conf.options
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano db.172
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano named.conf.local
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano /etc/bind/named.conf.local
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano /etc/db.harshdomain.com
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano /etc/bind/db.172
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo systemctl restart bind9
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo systemctl status bind9
● named.service - BIND Domain Name Server
   Loaded: loaded (/lib/systemd/system/named.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2025-08-02 03:02:52 IST; 11s ago
     Docs: man:named(8)
  Process: 14855 ExecStart=/usr/sbin/named $OPTIONS (code=exited, status=0/SUCCESS)
 Main PID: 14856 (named)
    Tasks: 26 (limit: 18711)
   Memory: 9.1M
      CPU: 63ms
     CGroup: /system.slice/named.service
             └─14856 /usr/sbin/named -u bind

Aug 02 03:02:55 ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC named[14856]: network unreachable resolvinfo
Aug 02 03:02:55 ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC named[14856]: resolver priming query completed
Aug 02 03:02:55 ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC named[14856]: managed-keys-zone: Unable to>
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ nslookup harshdomain.com
Server:      172.25.6.24
Address:     172.25.6.24#53

Name:  harshdomain.com
Address: 172.25.6.24

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$
```

Screenshot captured

You can paste the image from the clipboard.

Activities

Terminal

Aug 2 03:20

Red Green Yellow

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: /etc/bind

```
*** Can't find harshdomain.com: No answer

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ cd..
cd..: command not found
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ sudo nano /db.172
[sudo] password for ubuntu:
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ cd bind
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano /db.172
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ ls
bind.keys db.0 db.127 db.255 db.empty db.harshdomain.com db.local named.conf named.conf.default-zones named.conf.local named.conf.options rndc.key zones.rfc1918
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano /db.172
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ ls
bind.keys db.0 db.127 db.255 db.empty db.harshdomain.com db.local named.conf named.conf.default-zones named.conf.local named.conf.options rndc.key zones.rfc1918
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo cp /etc/db.172
cp: missing destination file operand after '/etc/db.172'
Try 'cp --help' for more information.
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo cp /etc/db.172 /bind/
cp: cannot stat '/etc/db.172': No such file or directory
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ cd
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ cd /etc
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ sudo cp /etc/db.172 /bind/
cp: cannot stat '/etc/db.172': No such file or directory
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ sudo cp /db.172 /bind/
cp: cannot create regular file '/bind/': Not a directory
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ sudo cp /db.172 bind/db.172
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ cd bind
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ ls
bind.keys db.0 db.127 db.172 db.255 db.empty db.harshdomain.com db.local named.conf named.conf.default-zones named.conf.local named.conf.options rndc.key zones.rfc1918
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano named.conf.options
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ cd
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo systemctl restart bind9
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ dig @localhost web-server.harshdomain.com
;; communications error to 127.0.0.1#53: connection refused
;; communications error to 127.0.0.1#53: connection refused
;; communications error to 127.0.0.1#53: connection refused

; <>> DiG 9.18.30-0Ubuntu0.22.04.2-Ubuntu <>> @localhost web-server.harshdomain.com
; (1 server found)
; global options: +cmd
; no servers could be reached
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ cd etc
bash: cd: etc: No such file or directory
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ cd /etc
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ nslookup harshdomain.com
Server:      172.25.6.24
Address:     172.25.6.24#53

*** Can't find harshdomain.com: No answer

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ cd bind
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano named.conf.options
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano db.172
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano named.conf.local
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano /etc/bind/named.conf.local
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano /etc/bind/db.harshdomain.com
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano /etc/bind/db.172
```

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo systemctl restart bind9
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ dig @localhost web-server.harshdomain.com
```

```
; <>> DiG 9.18.30-0ubuntu0.22.04.2-Ubuntu <>> @localhost web-server.harshdomain.com
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 32684
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags: udp: 1232
; COOKIE: 964bd0e20db60f5801000000688d28e00982cc53fe9ccaf8 (good)
;; QUESTION SECTION:
;web-server.harshdomain.com. IN A

;; ANSWER SECTION:
web-server.harshdomain.com. 604800 IN A 172.25.6.32

;; Query time: 0 msec
;; SERVER: 127.0.0.1#53(localhost) (UDP)
;; WHEN: Sat Aug 02 02:21:44 IST 2025
;; MSG SIZE rcvd: 99
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ ping harshdomain.com
ping: harshdomain.com: Name or service not known
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ nslookup harshdomain.com
;; Got SERVFAIL reply from 127.0.0.53
Server: 127.0.0.53
Address: 127.0.0.53#53
```

```
** server can't find harshdomain.com: SERVFAIL
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo nano /etc/resolve.conf
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ cd /etc
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ sudo nano resolv.conf
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ sudo nano resolv.conf
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ nslookup harshdomain.com
Server: 172.25.6.24
Address: 172.25.6.24#53
```

```
*** Can't find harshdomain.com: No answer
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ cd..
cd..: command not found
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ sudo nano /db.172
[sudo] password for ubuntu:
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc$ cd bind
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano /db.172
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ ls
bind.keys db.0 db.127 db.255 db.empty db.harshdomain.com db.local named.conf named.conf.default-zones named.conf.local named.conf.options rndc.key zones.rfc1918
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo nano /db.172
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ ls
bind.keys db.0 db.127 db.255 db.empty db.harshdomain.com db.local named.conf named.conf.default-zones named.conf.local named.conf.options rndc.key zones.rfc1918
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:/etc/bind$ sudo cp /etc/db.172
```

Activities

Terminal

Aug 2 03:20



ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: /etc/bind

```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
188 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo apt install bind9 bind9utils bind9-doc dnsutils -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  bind9-utils
Suggested packages:
  bind-doc resolvconf
The following NEW packages will be installed:
  bind9 bind9-doc bind9-utils bind9utils dnsutils
0 upgraded, 5 newly installed, 0 to remove and 188 not upgraded.
Need to get 3,638 kB of archives.
After this operation, 9,572 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 bind9-utils amd64 1:9.18.30-0ubuntu0.22.04.2 [162 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 bind9 amd64 1:9.18.30-0ubuntu0.22.04.2 [261 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 bind9-doc all 1:9.18.30-0ubuntu0.22.04.2 [3,207 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 bind9utils all 1:9.18.30-0ubuntu0.22.04.2 [3,926 B]
Get:5 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 dnsutils all 1:9.18.30-0ubuntu0.22.04.2 [3,924 B]
Fetched 3,638 kB in 3s (1,276 kB/s)
Selecting previously unselected package bind9-utils.
(Reading database ... 211016 files and directories currently installed.)
Preparing to unpack .../bind9-utils_1%3a9.18.30-0ubuntu0.22.04.2_amd64.deb ...
Unpacking bind9-utils (1:9.18.30-0ubuntu0.22.04.2) ...
Selecting previously unselected package bind9.
Preparing to unpack .../bind9_1%3a9.18.30-0ubuntu0.22.04.2_amd64.deb ...
Unpacking bind9 (1:9.18.30-0ubuntu0.22.04.2) ...
Selecting previously unselected package bind9-doc.
Preparing to unpack .../bind9-doc_1%3a9.18.30-0ubuntu0.22.04.2_all.deb ...
Unpacking bind9-doc (1:9.18.30-0ubuntu0.22.04.2) ...
Selecting previously unselected package bind9utils.
Preparing to unpack .../bind9utils_1%3a9.18.30-0ubuntu0.22.04.2_all.deb ...
Unpacking bind9utils (1:9.18.30-0ubuntu0.22.04.2) ...
Selecting previously unselected package dnsutils.
Preparing to unpack .../dnsutils_1%3a9.18.30-0ubuntu0.22.04.2_all.deb ...
Unpacking dnsutils (1:9.18.30-0ubuntu0.22.04.2) ...
Setting up bind9-doc (1:9.18.30-0ubuntu0.22.04.2) ...
Setting up dnsutils (1:9.18.30-0ubuntu0.22.04.2) ...
Setting up bind9-utils (1:9.18.30-0ubuntu0.22.04.2) ...
Setting up bind9 (1:9.18.30-0ubuntu0.22.04.2) ...
Adding group `bind' (GID 141) ...
Done.
Adding system user `bind' (UID 131) ...
Adding new user `bind' (UID 131) with group `bind' ...
Not creating home directory `/var/cache/bind'.
wrote key file "/etc/bind/rndc.key"
named-resolvconf.service is a disabled or a static unit, not starting it.
Created symlink /etc/systemd/system/bind9.service → /lib/systemd/system/named.service.
Created symlink /etc/systemd/system/multi-user.target.wants/named.service → /lib/systemd/system/named.service.
Setting up bind9utils (1:9.18.30-0ubuntu0.22.04.2) ...
Processing triggers for man-db (2.10.2-1) ...
```

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: /etc/bind

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ ifconfig
Command 'ifconfig' not found, but can be installed with:
sudo apt install net-tools
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo apt install net-tools
[sudo] password for ubuntu:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  net-tools
0 upgraded, 1 newly installed, 0 to remove and 188 not upgraded.
Need to get 204 kB of archives.
After this operation, 819 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 net-tools amd64 1.60+git20181103.0eebece-1ubuntu5.4 [204 kB]
Fetched 204 kB in 1s (188 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 210967 files and directories currently installed.)
Preparing to unpack .../net-tools_1.60+git20181103.0eebece-1ubuntu5.4_amd64.deb ...
Unpacking net-tools (1.60+git20181103.0eebece-1ubuntu5.4) ...
Setting up net-tools (1.60+git20181103.0eebece-1ubuntu5.4) ...
Processing triggers for man-db (2.10.2-1) ...
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ ifconfig
enp2s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
      inet 172.25.6.24  netmask 255.255.0.0  broadcast 172.25.255.255
        inet6 fe80::3207:f36e:11f1:52cd  prefixlen 64  scopeid 0x20<link>
          ether 7c:57:58:37:41:a2  txqueuelen 1000  (Ethernet)
            RX packets 773352  bytes 244534925 (244.5 MB)
            RX errors 0  dropped 149  overruns 0  frame 0
            TX packets 7353  bytes 1919845 (1.9 MB)
            TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
      inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
          loop  txqueuelen 1000  (Local Loopback)
            RX packets 21266  bytes 1612024 (1.6 MB)
            RX errors 0  dropped 0  overruns 0  frame 0
            TX packets 21266  bytes 1612024 (1.6 MB)
            TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

virbr0: flags=4099<UP,BROADCAST,MULTICAST>  mtu 1500
      inet 192.168.122.1  netmask 255.255.255.0  broadcast 192.168.122.255
        ether 52:54:00:37:65:7d  txqueuelen 1000  (Ethernet)
          RX packets 0  bytes 0 (0.0 B)
          RX errors 0  dropped 0  overruns 0  frame 0
          TX packets 0  bytes 0 (0.0 B)
          TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo apt update
[sudo] password for ubuntu:
Hit:1 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
Building dependency tree... Done
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ dig
```

```
; <>> DiG 9.18.30-0ubuntu0.22.04.2-Ubuntu <>>
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 13225
;; flags: qr aa rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;. IN NS

;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
;; WHEN: Sat Aug 02 00:52:17 IST 2025
;; MSG SIZE rcvd: 28
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ nc
```

```
usage: nc [-46CddFhklNnrStUuvZz] [-I length] [-i interval] [-M ttl]
          [-m minttl] [-O length] [-P proxy_username] [-p source_port]
          [-q seconds] [-s sourceaddr] [-T keyword] [-V rtable] [-W recvlimit]
          [-w timeout] [-X proxy_protocol] [-x proxy_address[:port]]
          [destination] [port]
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ █
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ host
Usage: host [-aCdilrTvVw] [-c class] [-N ndots] [-t type] [-W time]
           [-R number] [-m flag] [-p port] hostname [server]
-a is equivalent to -v -t ANY
-A is like -a but omits RRSIG, NSEC, NSEC3
-c specifies query class for non-IN data
-C compares SOA records on authoritative nameservers
-d is equivalent to -v
-l lists all hosts in a domain, using AXFR
-m set memory debugging flag (trace|record|usage)
-N changes the number of dots allowed before root lookup is done
-p specifies the port on the server to query
-r disables recursive processing
-R specifies number of retries for UDP packets
-s a SERVFAIL response should stop query
-t specifies the query type
-T enables TCP/IP mode
-U enables UDP mode
-v enables verbose output
-V print version number and exit
-w specifies to wait forever for a reply
-W specifies how long to wait for a reply
-4 use IPv4 query transport only
-6 use IPv6 query transport only
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ █
```

Activities

Terminal

Aug 1 21:55



harshdomain.com/

Settings

Simple Web Page

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: ~



# Welcome to my website

- Harshawardhan
- Yash
- Prathamesh
- Gunjan

Click Me

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ nslookup www.harshdomain.com
;; Got SERVFAIL reply from 127.0.0.53
Server:      127.0.0.53
Address:     127.0.0.53#53

** server can't find www.harshdomain.com: SERVFAIL

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo nano /etc/netplan/01-netcfg.yaml
[sudo] password for ubuntu:
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo nano netplan apply
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo nano /etc/resolv.cnf
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo nano /etc/resolv.conf
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ nslookup harshdomain.com
Server:      172.25.6.24
Address:     172.25.6.24#53

Name:    harshdomain.com
Address: 172.25.6.24

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$
```



harshdomain.com/

Settings

Simple Web Page

+

▼

- ⌂ ⌂ ⌂



www.harshdomain.com



- ⌂ ⌂ ⌂

# Welcome to My Page

- Harshawardhan
- Yash
- Prathamesh
- Gunjan

[Click Me](#)

Activities

Gedit

Aug 1 21:56

① ② ③ ④ ⑤

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: ~



index.html  
/var/www/html

Save

it-encoding not supported  
it-spell-language not supported  
it-encoding not supported  
process “dbus-launch” (No such file or directory)

```
** (gedit:10763): dconf-WARNING **: 21:56:10.249: failed to commit changes to dconf: Failed to execute child process “dbus-launch” (No such file or directory)
(gedit:10763): dconf-WARNING **: 21:56:10.251: failed to commit changes to dconf: Failed to execute child process “dbus-launch” (No such file or directory)
(gedit:10763): dconf-WARNING **: 21:56:10.337: failed to commit changes to dconf: Failed to execute child process “dbus-launch” (No such file or directory)
(gedit:10763): dconf-WARNING **: 21:56:10.337: failed to commit changes to dconf: Failed to execute child process “dbus-launch” (No such file or directory)
(gedit:10763): dconf-WARNING **: 21:56:10.337: failed to commit changes to dconf: Failed to execute child process “dbus-launch” (No such file or directory)
```

reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive to "127.0.1.1" in the Apache configuration.

lines 1-17/17 (END)

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~\$ sudo gedit /var/www/html/index.html

```
(gedit:10763): dconf-WARNING **: 21:56:10.249: failed to commit changes to dconf: Failed to execute child process “dbus-launch” (No such file or directory)
(gedit:10763): dconf-WARNING **: 21:56:10.251: failed to commit changes to dconf: Failed to execute child process “dbus-launch” (No such file or directory)
(gedit:10763): dconf-WARNING **: 21:56:10.337: failed to commit changes to dconf: Failed to execute child process “dbus-launch” (No such file or directory)
(gedit:10763): dconf-WARNING **: 21:56:10.337: failed to commit changes to dconf: Failed to execute child process “dbus-launch” (No such file or directory)
(gedit:10763): dconf-WARNING **: 21:56:10.337: failed to commit changes to dconf: Failed to execute child process “dbus-launch” (No such file or directory)
```

Activities

Terminal

Aug 1 21:55

⑨ ⑩ ⑪ ⑫ ⑬

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: ~

Q E - ⊞ X

```
** (gedit:10133): WARNING **: 21:42:35.582: Set document metadata failed: Setting attribute metadata::gedit-spell-language not supported
** (gedit:10133): WARNING **: 21:42:35.582: Set document metadata failed: Setting attribute metadata::gedit-encoding not supported
** (gedit:10133): WARNING **: 21:42:35.798: Set document metadata failed: Setting attribute metadata::gedit-spell-language not supported
** (gedit:10133): WARNING **: 21:42:35.798: Set document metadata failed: Setting attribute metadata::gedit-encoding not supported
** (gedit:10133): WARNING **: 21:42:35.986: Set document metadata failed: Setting attribute metadata::gedit-spell-language not supported
** (gedit:10133): WARNING **: 21:42:35.987: Set document metadata failed: Setting attribute metadata::gedit-encoding not supported
** (gedit:10133): WARNING **: 21:42:36.198: Set document metadata failed: Setting attribute metadata::gedit-spell-language not supported
** (gedit:10133): WARNING **: 21:42:36.198: Set document metadata failed: Setting attribute metadata::gedit-encoding not supported
** (gedit:10133): WARNING **: 21:42:36.403: Set document metadata failed: Setting attribute metadata::gedit-spell-language not supported
** (gedit:10133): WARNING **: 21:42:36.403: Set document metadata failed: Setting attribute metadata::gedit-encoding not supported
** (gedit:10133): WARNING **: 21:42:36.598: Set document metadata failed: Setting attribute metadata::gedit-spell-language not supported
** (gedit:10133): WARNING **: 21:42:36.598: Set document metadata failed: Setting attribute metadata::gedit-encoding not supported
** (gedit:10133): WARNING **: 21:42:37.062: Set document metadata failed: Setting attribute metadata::gedit-spell-language not supported
** (gedit:10133): WARNING **: 21:42:37.062: Set document metadata failed: Setting attribute metadata::gedit-encoding not supported
** (gedit:10133): WARNING **: 21:42:37.282: Set document metadata failed: Setting attribute metadata::gedit-spell-language not supported
** (gedit:10133): WARNING **: 21:42:37.282: Set document metadata failed: Setting attribute metadata::gedit-encoding not supported
(gedit:10133): dconf-WARNING **: 21:42:46.081: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo systemctl restart apache2
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2025-08-01 21:43:08 IST; 9s ago
     Docs: https://httpd.apache.org/docs/2.4/
 Process: 10389 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
 Main PID: 10393 (apache2)
    Tasks: 55 (limit: 18711)
   Memory: 5.3M
      CPU: 24ms
     CGroup: /system.slice/apache2.service
             ├─10393 /usr/sbin/apache2 -k start
             ├─10394 /usr/sbin/apache2 -k start
             └─10395 /usr/sbin/apache2 -k start

Aug 01 21:43:08 ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC systemd[1]: Starting The Apache HTTP Server...
Aug 01 21:43:08 ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC apachectl[10392]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive
Aug 01 21:43:08 ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC systemd[1]: Started The Apache HTTP Server.
lines 1-17/17 (END)
```

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~\$ █

Activities

Terminal

Aug 1 21:55

● 2% 0:00

ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC: ~

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ ifconfig
enp2s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 172.25.6.32 netmask 255.255.0.0 broadcast 172.25.255.255
        inet6 fe80::73e4:179:5b70:1c35 prefixlen 64 scopeid 0x20<link>
          ether bc:0f:f3:c1:68:d0 txqueuelen 1000 (Ethernet)
            RX packets 561454 bytes 192139523 (192.1 MB)
            RX errors 0 dropped 105 overruns 0 frame 0
            TX packets 8436 bytes 3358283 (3.3 MB)
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
        inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0x10<host>
          loop txqueuelen 1000 (Local Loopback)
            RX packets 13041 bytes 969447 (969.4 KB)
            RX errors 0 dropped 0 overruns 0 frame 0
            TX packets 13041 bytes 969447 (969.4 KB)
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ dpkg -l | grep bind9
ii  bind9                           1:9.18.30-0ubuntu0.22.04.2      amd64      Internet Domain Name Server
ii  bind9-dnsutils                   1:9.18.30-0ubuntu0.22.04.2      amd64      Clients provided with BIND 9
ii  bind9-doc                        1:9.18.30-0ubuntu0.22.04.2      all       Documentation for BIND 9
ii  bind9-host                       1:9.18.30-0ubuntu0.22.04.2      amd64      DNS Lookup Utility
ii  bind9-libs:amd64                 1:9.18.30-0ubuntu0.22.04.2      amd64      Shared Libraries used by BIND 9
ii  bind9-utils                      1:9.18.30-0ubuntu0.22.04.2      amd64      Utilities for BIND 9
ii  bind9utils                       1:9.18.30-0ubuntu0.22.04.2      all       Transitional package for bind9-utils
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo apt install apache2 -y
```

```
[sudo] password for ubuntu:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.52-1ubuntu4.15).
0 upgraded, 0 newly installed, 0 to remove and 196 not upgraded.
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo nano /var/www/html/index.html
[sudo] password for ubuntu:
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo edit /var/www/html/index.html
```

```
[1]+  Stopped                  sudo edit /var/www/html/index.html
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo gedit /var/www/html/index.html
```

```
(gedit:10133): dconf-WARNING **: 21:38:02.540: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:10133): dconf-WARNING **: 21:38:02.542: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:10133): dconf-WARNING **: 21:38:02.629: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:10133): dconf-WARNING **: 21:38:02.629: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:10133): dconf-WARNING **: 21:38:02.629: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:10133): dconf-WARNING **: 21:38:54.738: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
(gedit:10133): dconf-WARNING **: 21:38:54.738: failed to commit changes to dconf: Failed to execute child process "dbus-launch" (No such file or directory)
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ host
Usage: host [-aCdilrTvVw] [-c class] [-N ndots] [-t type] [-W time]
           [-R number] [-m flag] [-p port] hostname [server]
-a is equivalent to -v -t ANY
-A is like -a but omits RRSIG, NSEC, NSEC3
-c specifies query class for non-IN data
-C compares SOA records on authoritative nameservers
-d is equivalent to -v
-l lists all hosts in a domain, using AXFR
-m set memory debugging flag (trace|record|usage)
-N changes the number of dots allowed before root lookup is done
-p specifies the port on the server to query
-r disables recursive processing
-R specifies number of retries for UDP packets
-s a SERVFAIL response should stop query
-t specifies the query type
-T enables TCP/IP mode
-U enables UDP mode
-v enables verbose output
-V print version number and exit
-w specifies to wait forever for a reply
-W specifies how long to wait for a reply
-4 use IPv4 query transport only
-6 use IPv6 query transport only
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ dig
```

```
; <>> DiG 9.18.30-0ubuntu0.22.04.2-Ubuntu <>>
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 62408
;; flags: qr aa rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;.

               IN      NS

;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
;; WHEN: Fri Aug 01 19:23:13 IST 2025
;; MSG SIZE  rcvd: 28
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ nc
usage: nc [-46CDDfhklNnrStUuvZz] [-I length] [-i interval] [-M ttl]
          [-m minttl] [-o length] [-P proxy_username] [-p source_port]
          [-q seconds] [-s sourceaddr] [-T keyword] [-V rtable] [-W recvlimit]
          [-w timeout] [-X proxy_protocol] [-x proxy_address[:port]]
          [destination] [port]
```

```
ubuntu@ubuntu-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$
```