

Output:

Ping:

```
vboxuser@Ubuntu: ~  
vboxuser@Ubuntu:~$ ping -c 3 127.0.0.1  
PING 127.0.0.1 (127.0.0.1) 56(84) bytes of data.  
64 bytes from 127.0.0.1: icmp_seq=1 ttl=64 time=0.080 ms  
64 bytes from 127.0.0.1: icmp_seq=2 ttl=64 time=0.031 ms  
64 bytes from 127.0.0.1: icmp_seq=3 ttl=64 time=0.035 ms  
  
--- 127.0.0.1 ping statistics ---  
3 packets transmitted, 3 received, 0% packet loss, time 2051ms  
rtt min/avg/max/mdev = 0.031/0.048/0.080/0.022 ms  
vboxuser@Ubuntu:~$
```

Nslookup:

```
Feb 5 17:52  
ubuntu@ubuntu: ~  
ubuntu@ubuntu:~$ nslookup google.com  
Server:      127.0.0.53  
Address:     127.0.0.53#53  
  
Non-authoritative answer:  
Name:   google.com  
Address: 142.250.192.46  
Name:   google.com  
Address: 2404:6800:4009:828::200e  
  
ubuntu@ubuntu:~$
```

## Dig:

```
Feb 5 18:11
ubuntu@ubuntu: ~
ubuntu@ubuntu:~$ dig geeksforgeeks.com

; <<>> DiG 9.18.28-0ubuntu0.24.04.1-Ubuntu <<>> geeksforgeeks.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 35436
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags::; udp: 65494
;; QUESTION SECTION:
;geeksforgeeks.com.                IN      A

;; ANSWER SECTION:
geeksforgeeks.com.        6821    IN      A      199.59.243.228

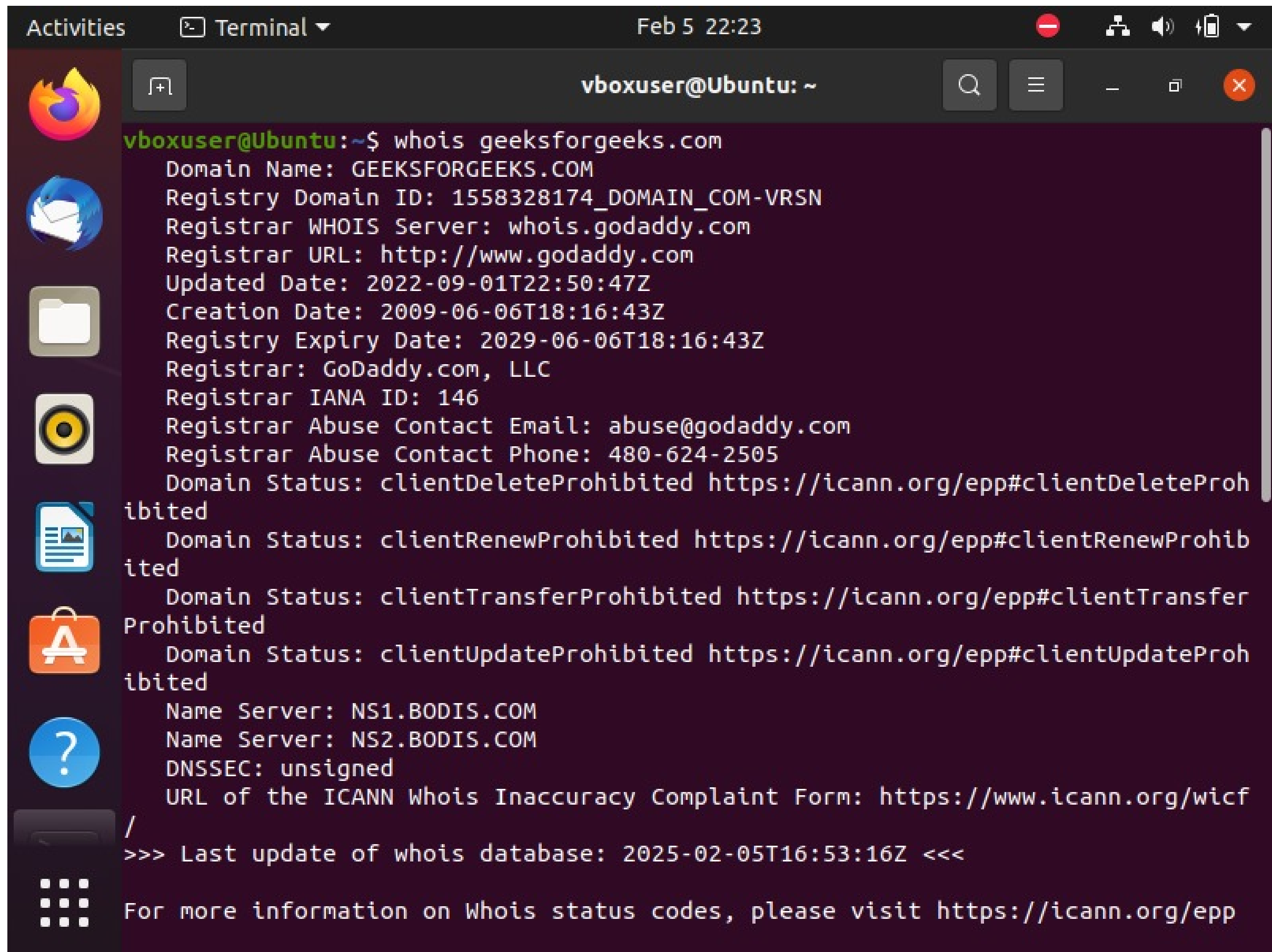
;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
;; WHEN: Wed Feb 05 18:11:47 UTC 2025
;; MSG SIZE rcvd: 62

ubuntu@ubuntu:~$
```

## Traceroute:

```
Feb 5 18:09
ubuntu@ubuntu: ~
ubuntu@ubuntu:~$ traceroute geeksforgeeks.com
traceroute to geeksforgeeks.com (199.59.243.228), 64 hops max
 1  192.168.0.1  64.113ms  0.652ms  0.631ms
 2  183.87.240.62  4.507ms  2.040ms  1.969ms
 3  183.87.240.61  2.881ms  2.312ms  2.547ms
 4  103.246.240.190  2.134ms  2.337ms  2.967ms
 5  103.246.240.189  2.285ms  2.303ms  2.470ms
 6  103.27.170.170  2.877ms  3.613ms  3.004ms
 7  52.95.65.195  4.077ms  3.989ms  4.529ms
 8  * * *
 9  * * *
10  * * *
11  * * *
12  * * *
13  * * *
14  * * *
15  * * *
16  * * *
```

## Whois:-

A screenshot of a Linux terminal window. The window title is 'vboxuser@Ubuntu: ~'. The terminal shows the command 'whois geeksforgeeks.com' and its output. The output includes domain name, registry ID, registrar information (GoDaddy.com, LLC), creation and expiry dates, and various status codes with links to ICANN EPP pages. The terminal also shows the last update of the whois database and a link for more information on status codes. The terminal window is part of a desktop environment with a sidebar on the left containing icons for Firefox, Mail, Files, Music, Documents, and a question mark icon. The top of the window shows the 'Activities' menu, 'Terminal' tab, and the date 'Feb 5 22:23'.

```
vboxuser@Ubuntu:~$ whois geeksforgeeks.com
Domain Name: GEEKSFORGEEKS.COM
Registry Domain ID: 1558328174_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.godaddy.com
Registrar URL: http://www.godaddy.com
Updated Date: 2022-09-01T22:50:47Z
Creation Date: 2009-06-06T18:16:43Z
Registry Expiry Date: 2029-06-06T18:16:43Z
Registrar: GoDaddy.com, LLC
Registrar IANA ID: 146
Registrar Abuse Contact Email: abuse@godaddy.com
Registrar Abuse Contact Phone: 480-624-2505
Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited
Domain Status: clientRenewProhibited https://icann.org/epp#clientRenewProhibited
Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited
Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited
Name Server: NS1.BODIS.COM
Name Server: NS2.BODIS.COM
DNSSEC: unsigned
URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/
>>> Last update of whois database: 2025-02-05T16:53:16Z <<<
For more information on Whois status codes, please visit https://icann.org/epp
```