

DevOps - Git Assignment 04

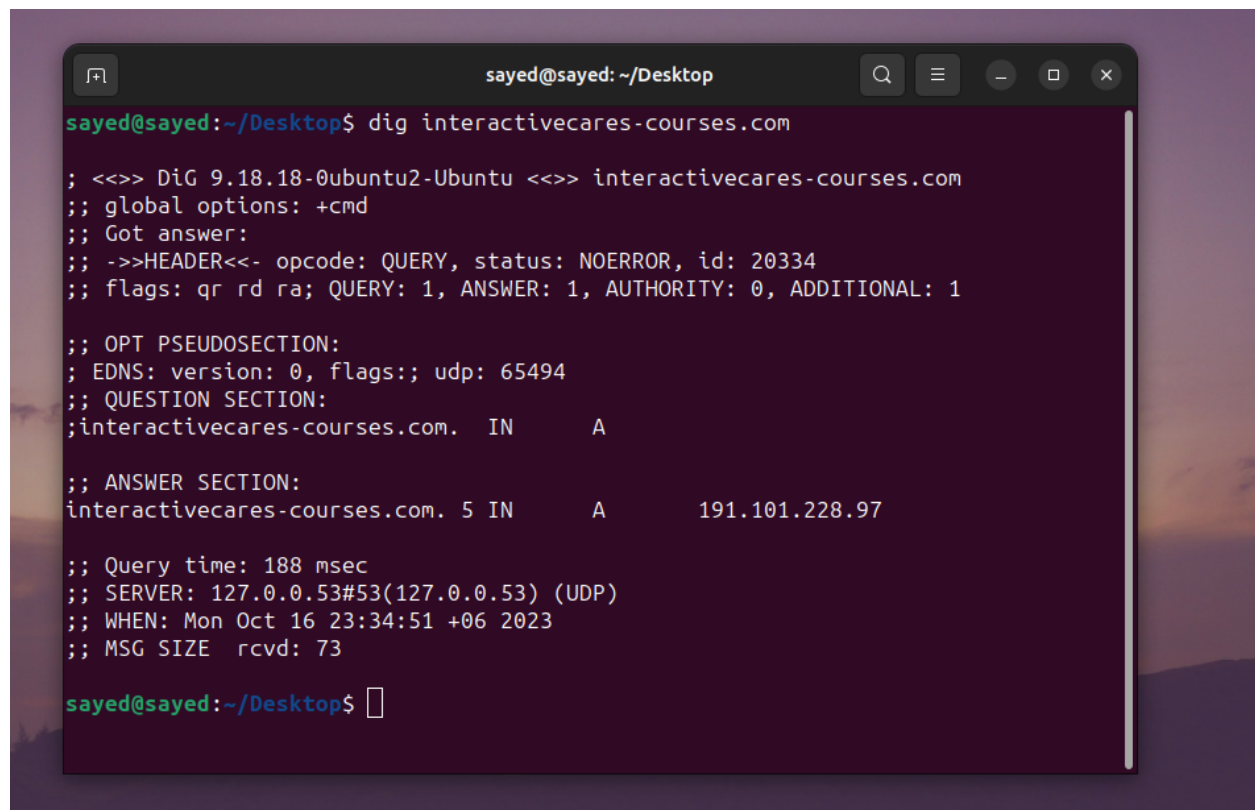
Abu Sayed - ICDCP_28

Networking Assignment

Repository Link

<https://github.com/ImAbuSayed/Interactive-Cares-DevOps-Career-Path-Assignment-4>

1

A terminal window with a dark background and light-colored text. The window title is 'sayed@sayed: ~/Desktop'. The prompt is 'sayed@sayed:~/Desktop\$'. The command entered is 'dig interactivecares-courses.com'. The output shows DNS query details: DiG 9.18.18-0ubuntu2-Ubuntu <<> interactivecares-courses.com, global options: +cmd, Got answer, header info (opcode: QUERY, status: NOERROR, id: 20334, flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1), OPT PSEUDOSECTION, EDNS version 0, flags, udp 65494, QUESTION SECTION (interactivecares-courses.com. IN A), ANSWER SECTION (interactivecares-courses.com. 5 IN A 191.101.228.97), query time 188 msec, server 127.0.0.53#53(127.0.0.53) (UDP), when Mon Oct 16 23:34:51 +06 2023, msg size rcvd: 73. The prompt is now 'sayed@sayed:~/Desktop\$' with a cursor.

```
sayed@sayed:~/Desktop$ dig interactivecares-courses.com

; <<>> DiG 9.18.18-0ubuntu2-Ubuntu <<>> interactivecares-courses.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 20334
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

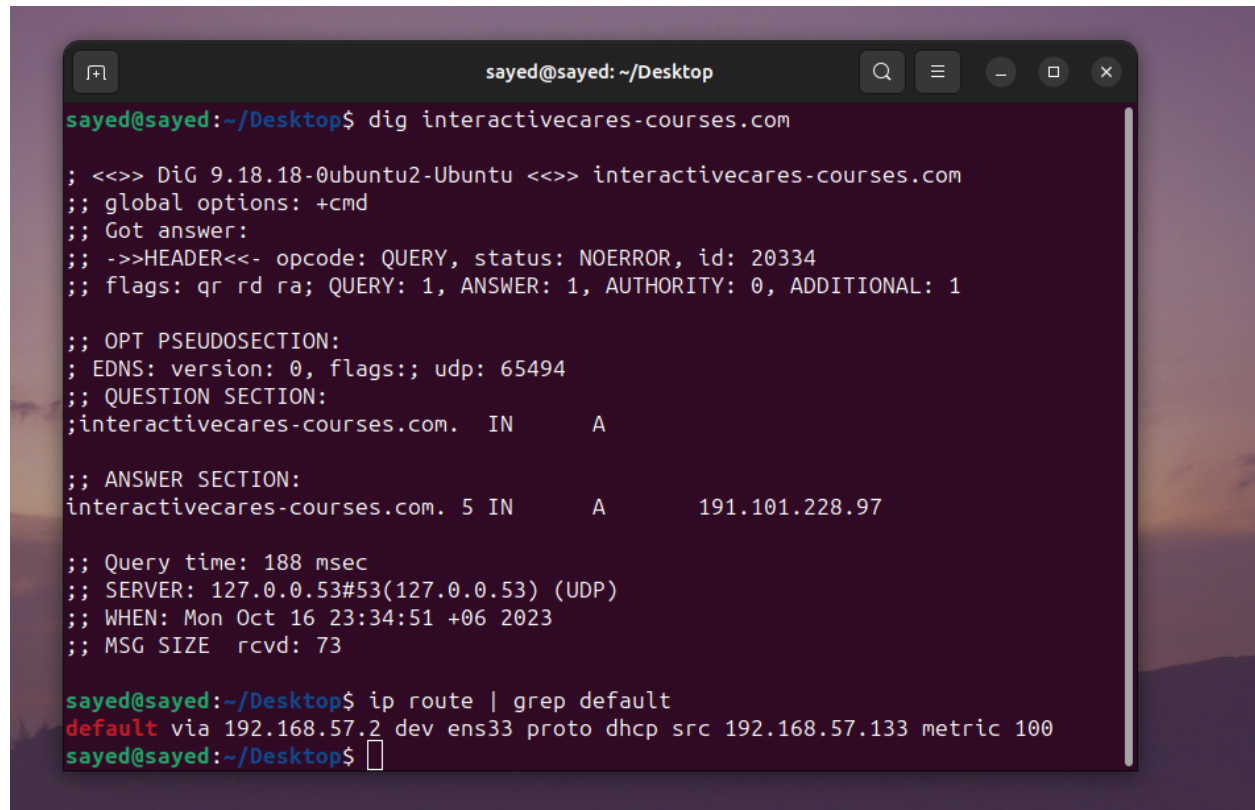
;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;interactivecares-courses.com.  IN      A

;; ANSWER SECTION:
interactivecares-courses.com. 5 IN      A      191.101.228.97

;; Query time: 188 msec
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
;; WHEN: Mon Oct 16 23:34:51 +06 2023
;; MSG SIZE rcvd: 73

sayed@sayed:~/Desktop$
```

2

A terminal window titled 'sayed@sayed: ~/Desktop' with standard Ubuntu window controls. The terminal shows the output of a 'dig interactivecares-courses.com' command, displaying DNS query details and the IP address 191.101.228.97. Below this, the 'ip route | grep default' command is executed, showing the default gateway as 192.168.57.2. The prompt returns to the user.

```
sayed@sayed:~/Desktop$ dig interactivecares-courses.com

;; <<>> DiG 9.18.18-0ubuntu2-Ubuntu <<>> interactivecares-courses.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 20334
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

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

;; ANSWER SECTION:
interactivecares-courses.com. 5 IN      A      191.101.228.97

;; Query time: 188 msec
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
;; WHEN: Mon Oct 16 23:34:51 +06 2023
;; MSG SIZE rcvd: 73

sayed@sayed:~/Desktop$ ip route | grep default
default via 192.168.57.2 dev ens33 proto dhcp src 192.168.57.133 metric 100
sayed@sayed:~/Desktop$
```

3

```

sayed@sayed: ~/Desktop
sayed@sayed:~/Desktop$ netstat -tulnap
(Not all processes could be identified, non-owned process info
 will not be shown, you would have to be root to see it all.)
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
PID/Program name
tcp        0      0 127.0.0.53:53           0.0.0.0:*               LISTEN
-
tcp        0      0 127.0.0.1:631           0.0.0.0:*               LISTEN
-
tcp        0      0 127.0.0.54:53           0.0.0.0:*               LISTEN
-
tcp        0      0 192.168.57.133:50788    91.189.91.82:80         TIME_WAIT
-
tcp6       0      0 :::1:631                :::*                    LISTEN
-
udp        0      0 127.0.0.54:53           0.0.0.0:*               -
udp        0      0 127.0.0.53:53           0.0.0.0:*               -
udp        0      0 192.168.57.133:68      192.168.57.254:67      ESTABLISHED
-
udp        0      0 0.0.0.0:5353            0.0.0.0:*               -
udp        0      0 0.0.0.0:5353            0.0.0.0:*               -
udp        0      0 0.0.0.0:38449           0.0.0.0:*               -
udp6       0      0 :::39591                :::*                    -
-

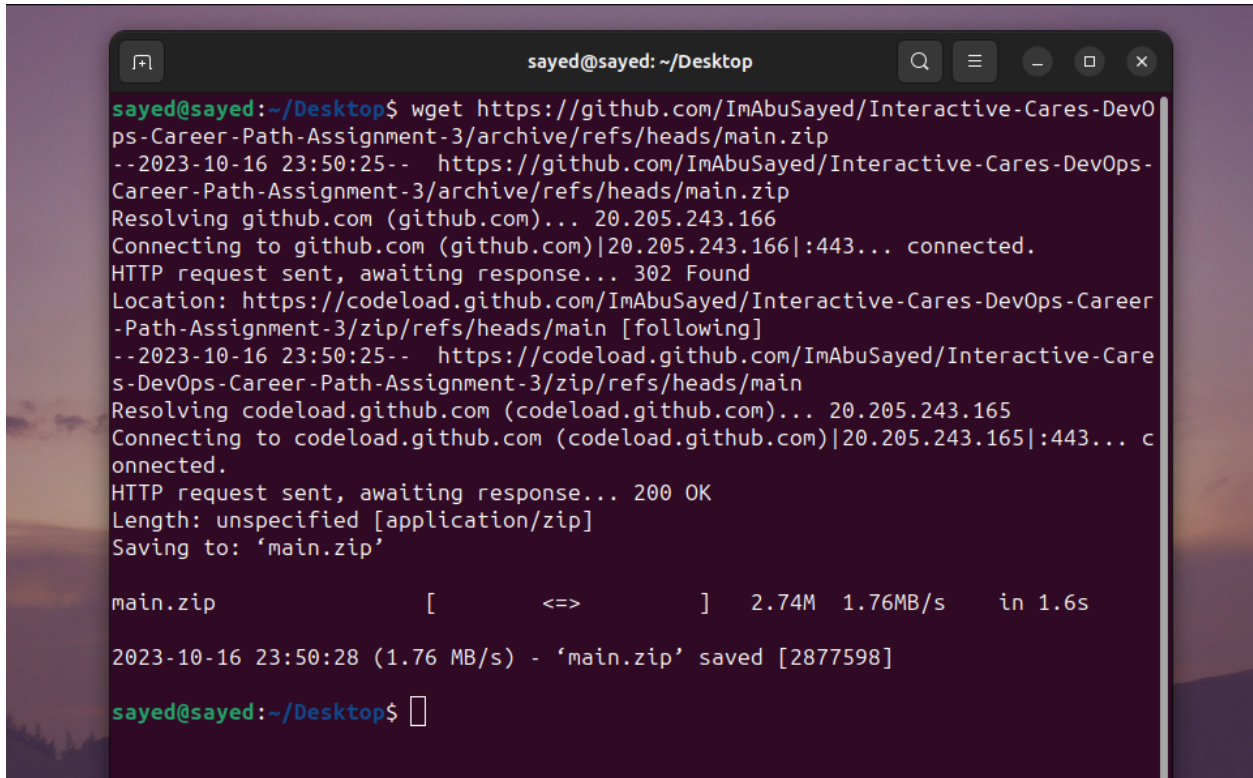
```

4

```

sayed@sayed:~/Desktop$ sudo iptables -A INPUT -p tcp --dport 80 -j ACCEPT
sayed@sayed:~/Desktop$ sudo iptables -A INPUT -p tcp --dport 3306 -j ACCEPT

```

A terminal window titled 'sayed@sayed: ~/Desktop' with standard window controls. The terminal shows a wget command being executed to download a zip file from a GitHub repository. The output shows the connection process, including resolving the domain, connecting to the server, and receiving a 302 redirect. It then follows the redirect to the correct URL, resolves the new domain, and successfully downloads the file 'main.zip' at 1.76 MB/s in 1.6 seconds. The final prompt shows the file has been saved with a size of 2877598 bytes.

```
sayed@sayed:~/Desktop$ wget https://github.com/ImAbuSayed/Interactive-Cares-DevOps-Career-Path-Assignment-3/archive/refs/heads/main.zip
--2023-10-16 23:50:25-- https://github.com/ImAbuSayed/Interactive-Cares-DevOps-Career-Path-Assignment-3/archive/refs/heads/main.zip
Resolving github.com (github.com)... 20.205.243.166
Connecting to github.com (github.com)|20.205.243.166|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://codeload.github.com/ImAbuSayed/Interactive-Cares-DevOps-Career-Path-Assignment-3/zip/refs/heads/main [following]
--2023-10-16 23:50:25-- https://codeload.github.com/ImAbuSayed/Interactive-Cares-DevOps-Career-Path-Assignment-3/zip/refs/heads/main
Resolving codeload.github.com (codeload.github.com)... 20.205.243.165
Connecting to codeload.github.com (codeload.github.com)|20.205.243.165|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [application/zip]
Saving to: 'main.zip'

main.zip          [          <=>          ]  2.74M  1.76MB/s   in 1.6s

2023-10-16 23:50:28 (1.76 MB/s) - 'main.zip' saved [2877598]

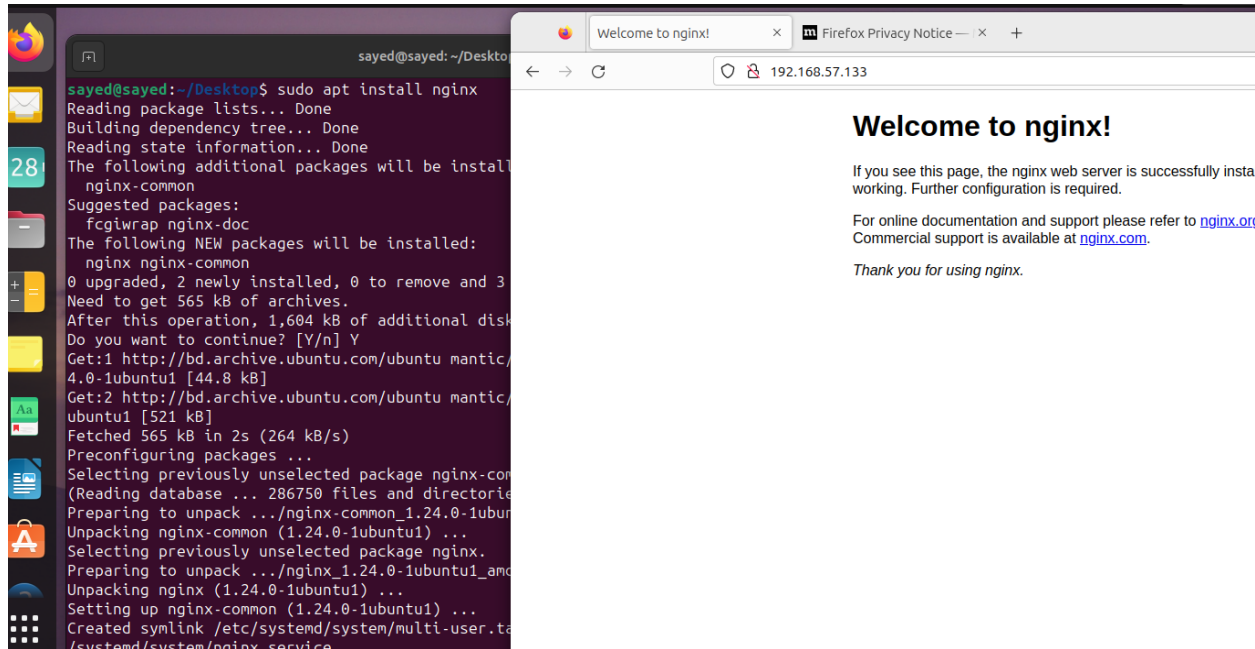
sayed@sayed:~/Desktop$
```

```
sayed@sayed: ~/Desktop
sayed@sayed:~/Desktop$ curl https://seo.aiblogify.com/
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
    <meta charset="utf-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta http-equiv="Content-Language" content="en" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <link rel="apple-touch-icon" sizes="180x180" href="/apple-touch-icon.png"
">
    <link rel="icon" type="image/png" sizes="32x32" href="/favicon-32x32.png"
">
    <link rel="icon" type="image/png" sizes="16x16" href="/favicon-16x16.png"
">
    <link rel="manifest" href="/site.webmanifest">
    <link rel="mask-icon" href="/safari-pinned-tab.svg" color="#000000">
    <meta name="msapplication-TileColor" content="#000000">
    <meta name="theme-color" content="#000000">

    <!-- Meta Data-->
    <title>AI SEO Tools | 100% Free Powerful SEO Tools for Optimizing Your W
ebsite</title>

    <meta property="site_name" content="AI SEO Tools"/>
    <meta name="description" content="Improve your website's search eng
ine ranking with AI SEO Tools. Our powerful SEO tools are designed to help you o
ptimize your website and increase traffic. Try them now!" />
    <meta name="keywords" content="SEO tools, website optimization, search e
ngine ranking, AI SEO, online marketing" />
```

7



8

