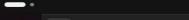
Lab 10

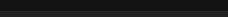
Network configuration basics - ii

1. Use 'dig' command





Aug 9 23:35 momik@ubuntu-desktop: ~











momik@ubuntu-desktop:~\$ dig youtube.com



; <>>> DiG 9.18.28-Oubuntu0.24.04.1-Ubuntu <<>> youtube.com

;; global options: +cmd ;; Got answer:



;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 12821

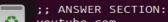
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1



:: OPT PSEUDOSECTION:



;youtube.com. IN Α



youtube.com. 239 IN 172.217.31.206

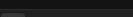
;; Ouery time: 8 msec ;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)

;; WHEN: Fri Aug 09 23:35:54 +0545 2024

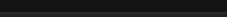
;; MSG SIZE rcvd: 56

momik@ubuntu-desktop:~\$





Aug 9 23:36 momik@ubuntu-desktop: ~











momik@ubuntu-desktop:~\$ dig youtube.com MX



; <<>> DiG 9.18.28-0ubuntu0.24.04.1-Ubuntu <<>> youtube.com MX



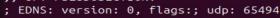


;; Got answer:

;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 16582 ;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1



:: OPT PSEUDOSECTION:





IN MX



youtube.com. 300 IN MX 0 smtp.google.com.

```
;; Ouery time: 89 msec
```

;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)

;; WHEN: Fri Aug 09 23:36:23 +0545 2024

;; MSG SIZE rcvd: 68

momik@ubuntu-desktop:~\$

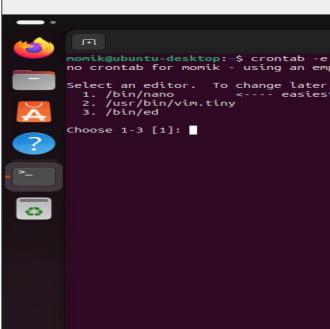
2. Start/Stop/Status/Restart Services/Daemons

```
momik [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
                                                                              Aug 9 23:37
                                                                       momik@ubuntu-desktop: ~
      momik@ubuntu-desktop:~$ sudo systemctl stop apache2
       [sudo] password for momik:
      momik@ubuntu-desktop:-$ sudo systemctl status apache2
       O apache2.service - The Apache HTTP Server
           Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
           Active: inactive (dead) since Fri 2024-08-09 23:37:18 +0545; 3s ago
          Duration: 34min 55.157s
              Docs: https://httpd.apache.org/docs/2.4/
           Process: 11644 ExecStop=/usr/sbin/apachectl graceful-stop (code=exited, status=0/SUCCESS)
          Main PID: 8925 (code=exited, status=0/SUCCESS)
               CPU: 314ms
      Aug 09 23:02:23 ubuntu-desktop systemd[1]: Starting apache2.service - The Apache HTTP Server...
      Aug 09 23:02:23 ubuntu-desktop apachectl[8924]: AH00558: apache2: Could not reliably determine the server's fully qualized
      Aug 09 23:02:23 ubuntu-desktop systemd[1]: Started apache2.service - The Apache HTTP Server.
      Aug 09 23:37:18 ubuntu-desktop systemd[1]: Stopping apache2.service - The Apache HTTP Server...
      Aug 09 23:37:18 ubuntu-desktop apachectl[11646]: AH00558: apache2: Could not reliably determine the server's fully qual
      Aug 09 23:37:18 ubuntu-desktop systemd[1]: apache2.service: Deactivated successfully.
      Aug 09 23:37:18 ubuntu-desktop systemd[1]: Stopped apache2.service - The Apache HTTP Server.
      momik@ubuntu-desktop:-$ sudo systemctl disable apache2
       Synchronizing state of apache2.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
       Executing: /usr/lib/systemd/systemd-sysy-install disable apache2
      Removed "/etc/systemd/system/multi-user.target.wants/apache2.service".
      momik@ubuntu-desktop:-$ sudo systemctl status apache2
       O apache2.service - The Apache HTTP Server
           Loaded: loaded (/usr/lib/systemd/system/apache2.service; disabled; preset: enabled)
            Active: inactive (dead) since Fri 2024-08-09 23:37:18 +0545; 17s ago
          Duration: 34min 55.157s
              Docs: https://httpd.apache.org/docs/2.4/
         Main PID: 8925 (code=exited, status=0/SUCCESS)
               CPU: 314ms
      Aug 09 23:02:23 ubuntu-desktop systemd[1]: Starting apache2.service - The Apache HTTP Server...
      Aug 09 23:02:23 ubuntu-desktop apachectl[8924]: AH00558: apache2: Could not reliably determine the server's fully qualized
      Aug 09 23:02:23 ubuntu-desktop systemd[1]: Started apache2.service - The Apache HTTP Server.
      Aug 09 23:37:18 ubuntu-desktop systemd[1]: Stopping apache2.service - The Apache HTTP Server...
      Aug 09 23:37:18 ubuntu-desktop apachectl 11646]: AH00558: apache2: Could not reliably determine the server's fully qual
      Aug 09 23:37:18 ubuntu-desktop systemd[1]: apache2.service: Deactivated successfully.
      Aug 09 23:37:18 ubuntu-desktop systemd[1]: Stopped apache2.service - The Apache HTTP Server.
```

lines 1-15/15 (END)...skipping...

3. Create Cron Job to Backup File

File Machine View Input Devices Help



Aug 9 23:38

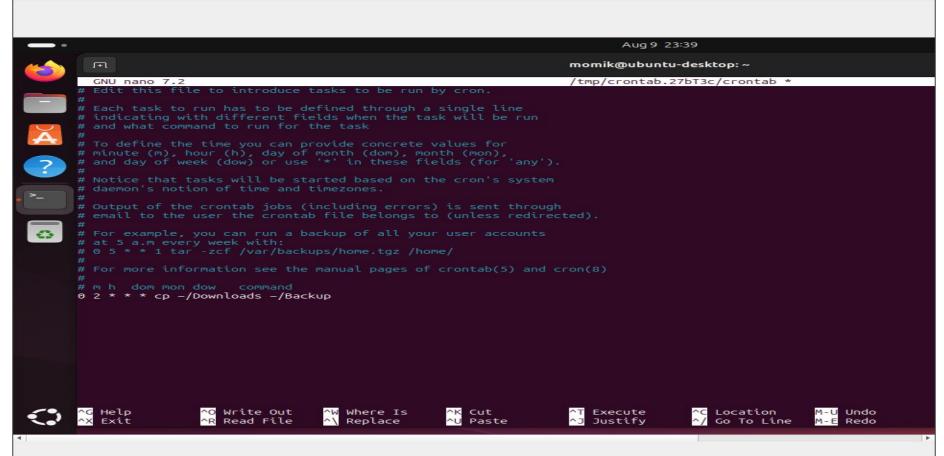
momik@ubuntu-desktop: ~

no crontab for momik - using an empty one

Select an editor. To change later, run 'select-editor'. 1. /bin/nano <---- easiest

2. /usr/bin/vim.tiny 3. /bin/ed

Choose 1-3 [1]:



4. SSH

```
Q = - - ×
                              root@postgres-client: ~
momik@iigris:~$ ssh root@64.227.137.52
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-36-generic x86 64)
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/pro
System information as of Fri Aug 9 17:55:34 UTC 2024
 System load: 0.0
                                                      126
                                Processes:
 Usage of /: 52.5% of 57.99GB Users logged in:
                                IPv4 address for eth0: 64,227,137,52
 Memory usage: 24%
                                IPv4 address for eth0: 10.47.0.6
 Swap usage: 0%
Expanded Security Maintenance for Applications is not enabled.
```

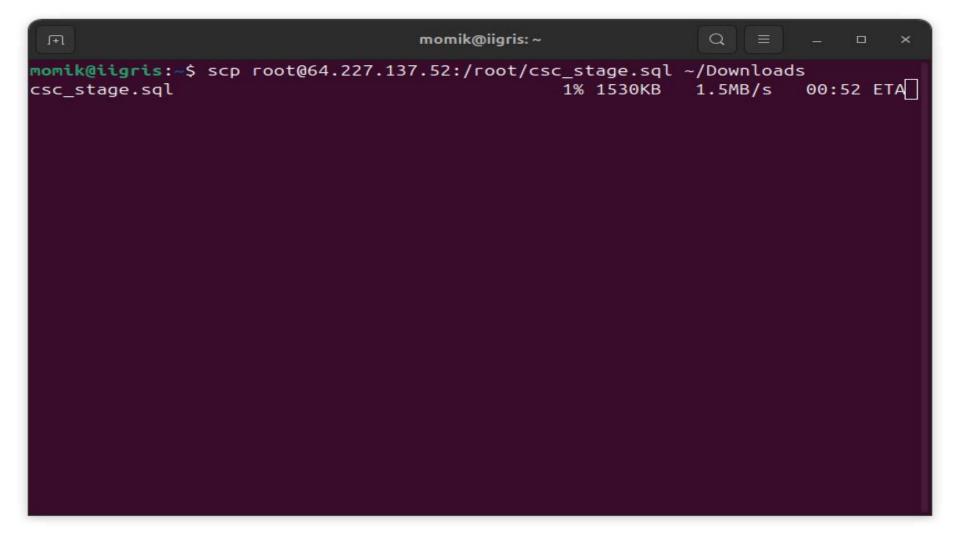
29 updates can be applied immediately.

To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates. See https://ubuntu.com/esm or run: sudo pro status

*** System restart required ***

5. SCP



6. FTP

