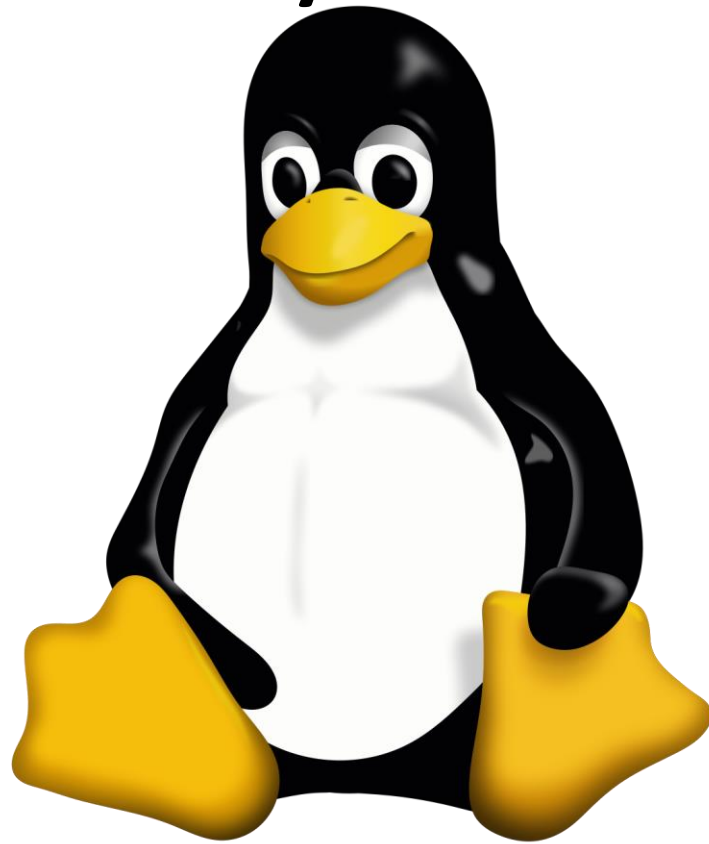


Linux Primer

300f Linux File System



AL NAFI,
A company with a focus on education,
wellbeing and renewable energy.

Umar Ibn Abdul Azeez The just Caliph



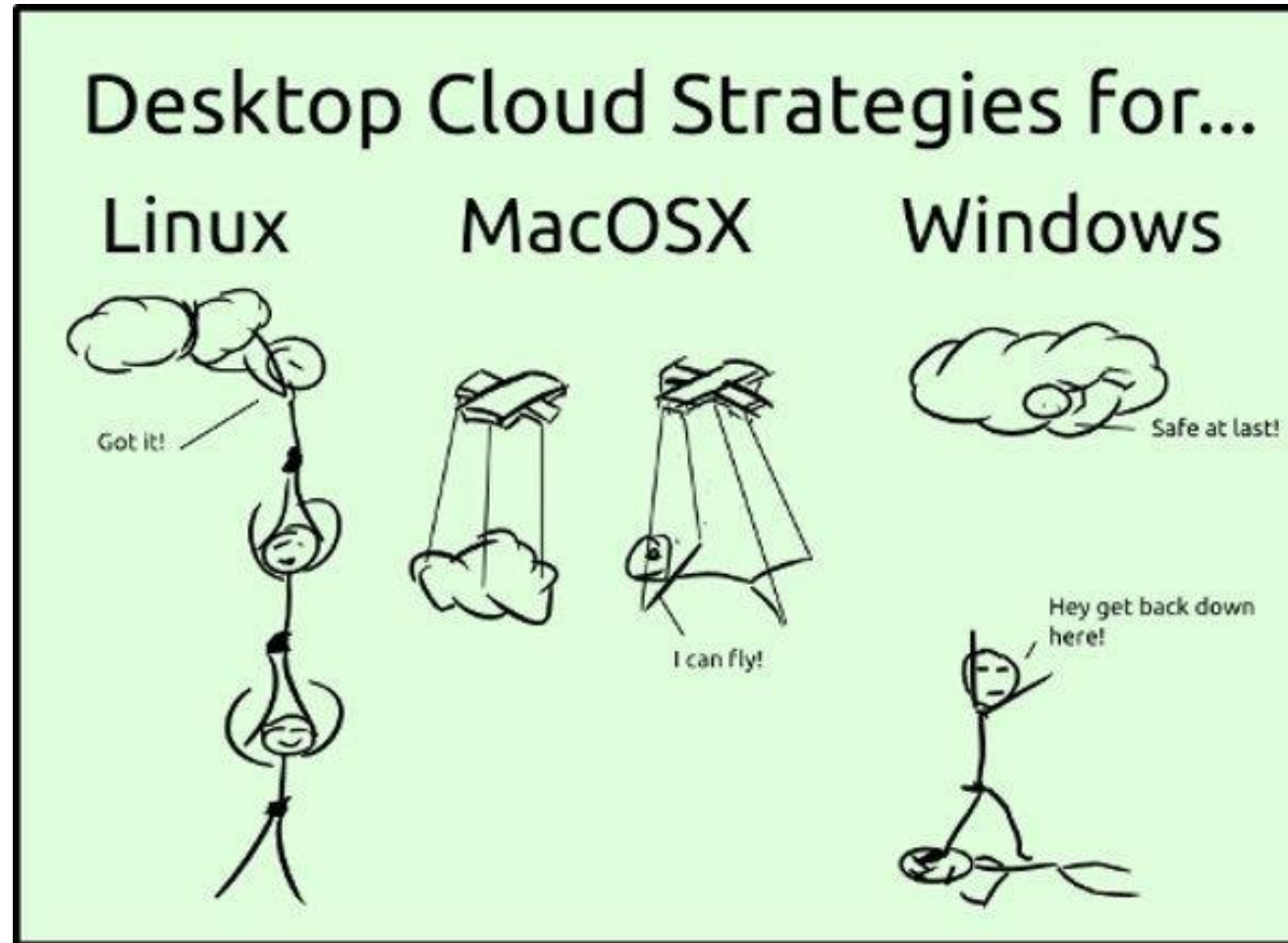
Who was Umar Ibn Abdul Azeez

- A commentary on Uman Ibn Abdul Azeez (May Allah have mercy on him)

How Nafi Members Study!

1. Please subscribe to our YouTube channel and click the bell button to be informed <https://www.youtube.com/channel/UC2yAW4Oq27r1yuRE8ePKRvA>
2. Follow us on Facebook <https://www.facebook.com/info.alnafi/>
3. Follow us on Twitter <https://twitter.com/nafiPakistan>
4. Join the Al Nafi Official Group <https://www.facebook.com/groups/alnafi/> (This group is only for members to ask questions)
5. All Nafi members MUST study on the portal <https://alnafi.com/login/> and connect using your Nafi member username and password.
6. Once on the portal they can follow their classes by:
 - watching videos
 - attempting quizzes and flash cards
 - studying official Nafi notes
 - keep track of their studies long with many more features

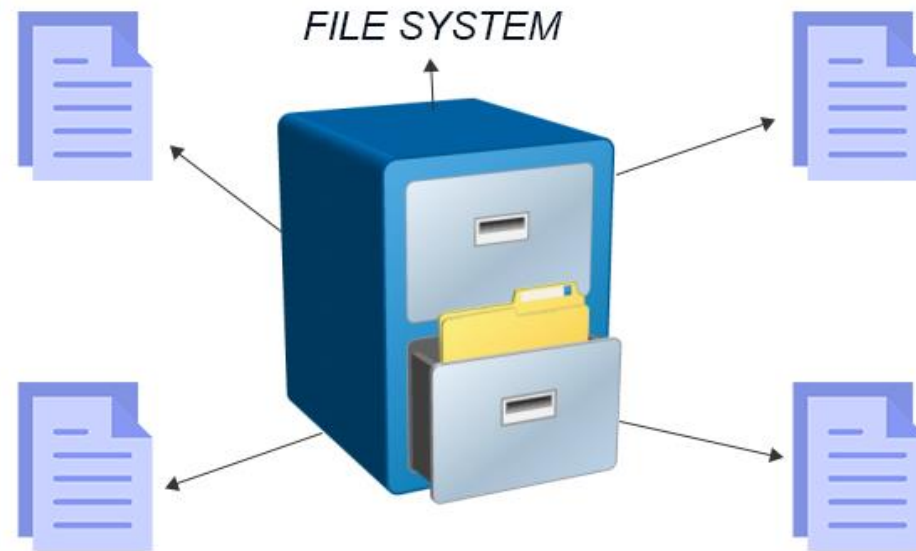
Linux vs MacOX and windows



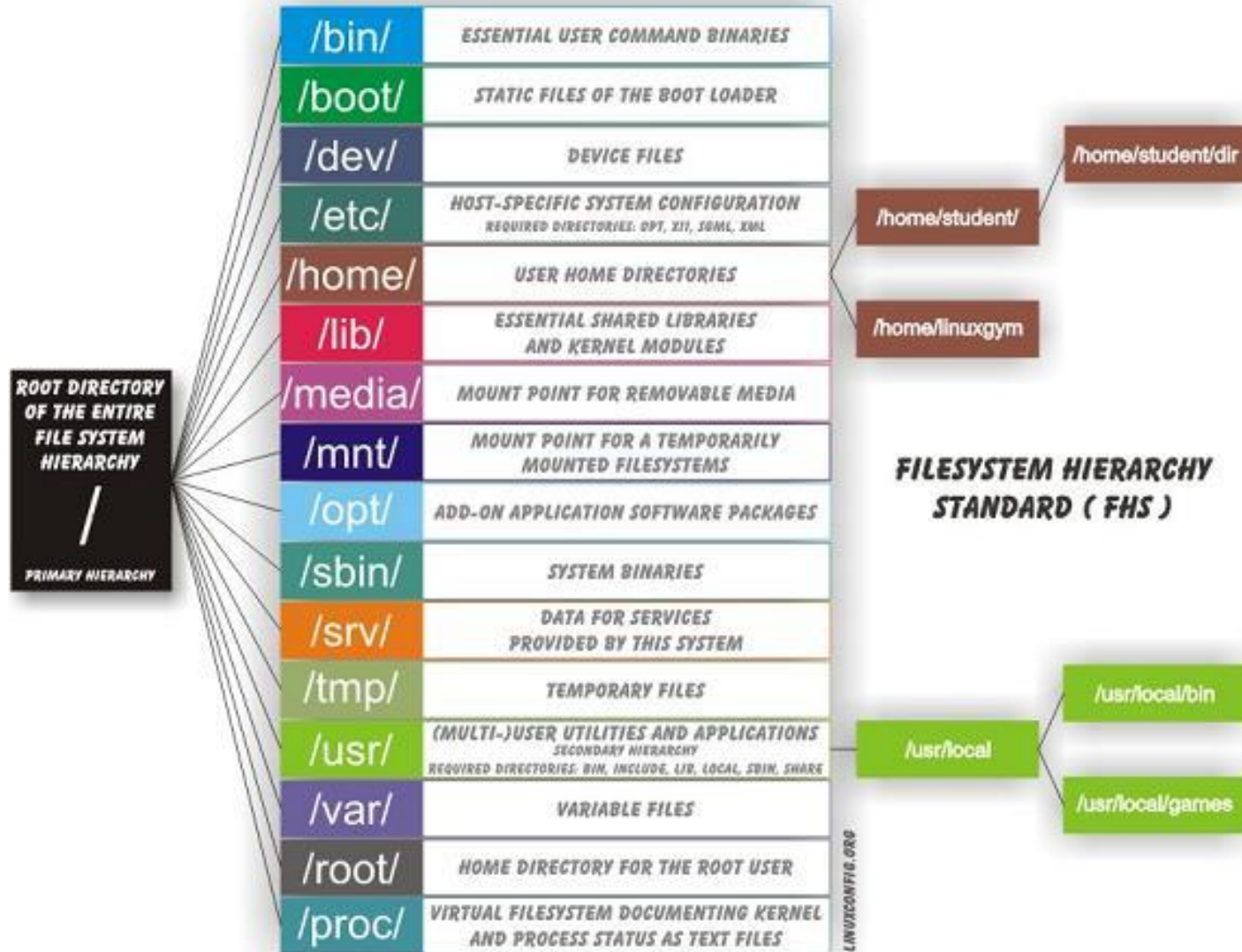
Linux File System

- What is Linux File System?

File system means how to organize files



Files and directories



The root directory

```
alnafi@ubuntu: /  
File Edit View Search Terminal Help  
img-4.18.0-21-generic  
drwxr-xr-x 21 root root 4096 Jun 6 18:56 lib  
drwxr-xr-x 2 root root 4096 Feb 9 16:12 lib64  
drwx----- 2 root root 16384 Jun 6 18:52 lost+found  
drwxr-xr-x 4 root root 4096 Jun 12 02:19 media  
drwxr-xr-x 2 root root 4096 Feb 9 16:12 mnt  
drwxr-xr-x 2 root root 4096 Jun 6 18:57 opt  
dr-xr-xr-x 352 root root 0 Jul 4 02:51 proc  
drwx----- 4 root root 4096 Jun 10 01:55 root  
drwxr-xr-x 29 root root 860 Jul 4 02:52 run  
drwxr-xr-x 2 root root 12288 Jun 10 02:00 sbin  
drwxr-xr-x 13 root root 4096 Jun 10 01:55 snap  
drwxr-xr-x 2 root root 4096 Feb 9 16:12 srv  
-rw----- 1 root root 993244160 Jun 6 18:52 swapfile  
dr-xr-xr-x 13 root root 0 Jul 4 02:53 sys  
drwxrwxrwt 18 root root 4096 Jul 4 02:54 tmp  
drwxr-xr-x 10 root root 4096 Feb 9 16:12 usr  
drwxr-xr-x 14 root root 4096 Feb 9 16:20 var  
lrwxrwxrwx 1 root root 30 Jun 20 02:39 vmlinuz -> boot/vmlinuz-4.18.0-  
22-generic  
lrwxrwxrwx 1 root root 30 Jun 20 02:39 vmlinuz.old -> boot/vmlinuz-4.1  
8.0-21-generic  
alnafi@ubuntu:/$ ls  
bin      etc          lib          mnt      run      swapfile    var  
boot     home         lib64        opt      sbin     sys         vmlinuz  
cdrom    initrd.img   lost+found   proc     snap     tmp         vmlinuz.old  
dev      initrd.img.old media        root     srv      usr  
alnafi@ubuntu:/$
```


Absolute and relative paths

A file path refers to the location of a file within the file system, specifically in the directory hierarchy.

جزاك الله

To ask questions, Join the Al Nafi Official Group

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(This group is only for members to ask questions)