File systems,

-> 1el's continue with the same Instance.

Zinux File system:

- * Everything in linux is sib.
- * File is a collection of data. File system is a collection of files
- * There are normal sies and special sies in linux.

File types:

- * / (100t flosystem): It is the top-level filosystem directory. It must include every filo needed to boot the linux system before another filosystem is mounted. Every other filosystem is mounted on a well-defined and standard mount point because of the root filosystem directoria
- * / boot: It includes static kanel and bootloader configuration and exautrable siles needed to start a linux computer.
- * 16in: This directory includes user exautable 56s.

- * Iden: Il includes the device file for all hardwale devices connected to
 - the system. These are'nt device drivers, instead, they are oils that indicate all devices on the system and provide acoss to those devices
- * letc = It includer local system congulation siles for hose system.
- * Mib: It includes shared library also that are needed to shall the system
- * Thome: The home dijetory storage is available for use sibs. All user have a subdirectory inside thome
- * /Mnt: It is a temporary mount point for bask filosystems that can be used at the time when the administrator is working or repairing a filosystem.
 - * /media: A place for mounting external removable media devicer like use thumb drives that might be linked to host.
 - * Most: It's the home directory for a root user. Keep in mind that it's not the Y' (not) file system.
 - * 1 tmp: It is a temporary directory used by the or and several programs for storing temporary dies. Also user may temporary store dies here. Remember that dies may be removed without prior notic at
 - Anytime in this dilator.

- * (sbim: These are system bilitary allos. They are executables utilized for system administration.
- * 1057: They are read-only and shareable siles, including executable libration and bination, man siles and several documentation types.
- * /vai: Here, variable data allor also saved. It can contain things such as

 Hysal, log allor, other database allor, email indexes, web saver and data

 allor and much mote.
- * 19toc: The 19toc directory is a virtual file system that provides information about running process and system resources.
- * /tun: The /ron directory contains tempory siles that are created by system

 Services and daemons.
- * 151v: The 151v ditalog is used to store dall for savices provided by the system.
- * Les: The 1sys dilectory is a virtual file system that provides information about the system's hardware and devices
- * Popt: The Rept director is used to stoke additional software packages that are not part of the core system (third party software)

Pully:

[not@10-12-31-32-76 ~]# ed /

Dout Oil-172-31-32-76 13# 15

[: not filosystem]

froe lout for spin siv se top use war

[Not@ip-12-31-32-76 1]# ed boot

[wtoip-172-31-32-76 600]# 15

Som. map - 6.1. 102 - 111. 182. Amen 2023. X86-64 efi Mittams - . - . x86-64. Ing

Symmets. . - XXL 64.92 config - 6.1.102-111. Amzn 2023, X64-64 9462 loade

vmlinuz x 86 - 64

[twt 010-172-31-32-76 boxt]# ed ..

[toot@ip-172-31-32-76 1]# ed bin

[tast@ip-172-31-32-76 bin]# 15

[wtoil-172-31-32-76 bin]# cd ..

[100+@ip-172-31-32-76 1]# ed etc

[host @ip-172-31-32-76 etc]# 25

[1001@11-172-31-32-76 ele]# ed ..

[hart@ip-172-31-32-76 1] # ed lib

That Oip-172-31-32-76 lib]# 15

1 1

[kw1@ip-172-31-32-76 /ib]# 21 ..

Mootaip-112-31-32-76 1]A ed home

[10st@ip-172-31-32-76 home]# 15

Q2- USer

[Two to 19-172-31-32-76 home] # d ... [wie @ip-172-31-32-71 1]# ed mint [hut@ip-172-31-32-76 mn+]# 15 [: cull ently nothing is mounted Dat Oip-172-31-32-76 may # ed .. that's y it is showing anything] Date @ip-172-31-32-76 /J# cd Shin Dwl Oil-172-31-32-76 ShinJ# 15 TIWI @ip-172-31-32-76 Sbin J# ed .. [last@ip-172-31-32-76 /]# cd ust [kut@ip-171-31-31-76 USY]# 15 bin games include 116 libba libexec local sbin share sic timp [101@i9-172-31-32-76 wi]# ed ... [last@if-172-31-32-76)# =d val [: Bafare installing any service there is no dir called "www"] [wt@if-172-31-32-76 val]# 15 Adm cache db empty ftp gamer kerberos lock log mail his opt presave tun spool trip yp Tractaip-172-31-32-76 ValJ# cd .. Tract@ip-172-31-32-76 1]# ed place Trat@iP-172-31-32-76 proc]# 15 : ;; [toot@ip-172-31-32-76 pla]# ed .. [twt@ip-172-31-32-76 1]# cd Stv [: Savicos] [w/@ip-172-31-32-76 Stv]# 15 [: till haw we have int [Tout@i1-172-31-32-76 Sty]# added any services. that it is showing noting]

Frost@ip-172-31-32-76 51-J4 yum install hapa
**
complexe!
[100+Qip-172-31-32-76 Stv]# Systemeti state hilp
[tool@ip-172-31-30-76 Sty]# 15
[wtoil-172-31-37-71 51v]# Systamet onable hapa
Cleaged Symline lete /
[hast@ip-172-31-31-76 514]# 15

Dout@ip-172-31-32-76 Sty]# ed ..

[tall@ip-172-31-32-71 1]# cd var Track@ip-172-31-32-76 VA,]# 15

account adm ... tmp www yp [100+@ip-172-31-32-76 val]# ed ..

Mat@iP-172-31-32-76 1J# ed Sys [100+@ip-171-31-32-76 845]# 15

block bus class der devilus simuare so hypervisor kand module power

[Nox 0]P-172-31-32-76 355/# -d devilos [toot@ip-172-31-32-76 devices]#15

ZNXS1STH: 00 breakpoint kprobe mst priacosoo platform popo SUFFWAR SYSTEM tracepoint uptobe Vbd-57712 vif-0 Virtual

[lost 019-172-31-32-76 devices]# cd..

[foot@ip-12-31-32-76 1]# cd opt

[foot@ip-172-31-32-76 opt]# 15 aws

[: All third party suffluates are placed here

Actous if the instance third party suffuence ha any malude, it won't be transfared to other

[. third party softward]

7 (AFF Installing some services, the

is a path called "www"]

Path, bases this "opt" is specially designed to

Co. That is y linux is a saulo os].