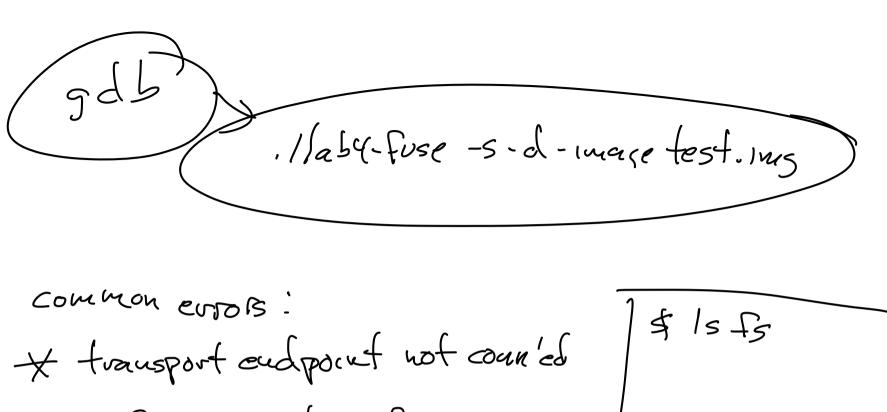
CS 3650 – Computer Systems Spring 2024 Peter Desnoyers

Lecture 21, Tue Mar 26 2024

FUSE bask,... open, close, stat, rendair, etc , /laby-fuse rmage test. Ing fs In Jackground



+ transport endpoint not counted

-) fusesmount -u fs

"signal SIGINT" = send 1c

1/0 error

-> bad st_mode in struct stat

octal: 100 755
40755

type permissions

tile permissions Unix Access control opentions objects Read files & user IDs wrte directories execute

object permissions
user IDs: login names
groups: sets of user IDs

File: owner (uid)
group (gid)

R/W/X (user)

R/W/X (group)

R/W/X (world)

16 bets

111 111 111 FOR ROOK ROOK 1005 STAIR X

uses stoul *

httpd (webserver) user: httpd goodp httpd Sall data files: owned by httpd chnocl e syscall, command U+5W chund rw---- file. txf 9-5 0+0 _____owner read only trother churd 600 Sile. txt -> same thing 0=... (= ·· × z=.w. 5 = Rack

Directory permissions: W: create/delete entries R! list Is dir1 ER x: fraverse cat dis1/file.txt typical dir perus: RWX Eurstable R-X < (istable, fraversas(e --- Enot allowed

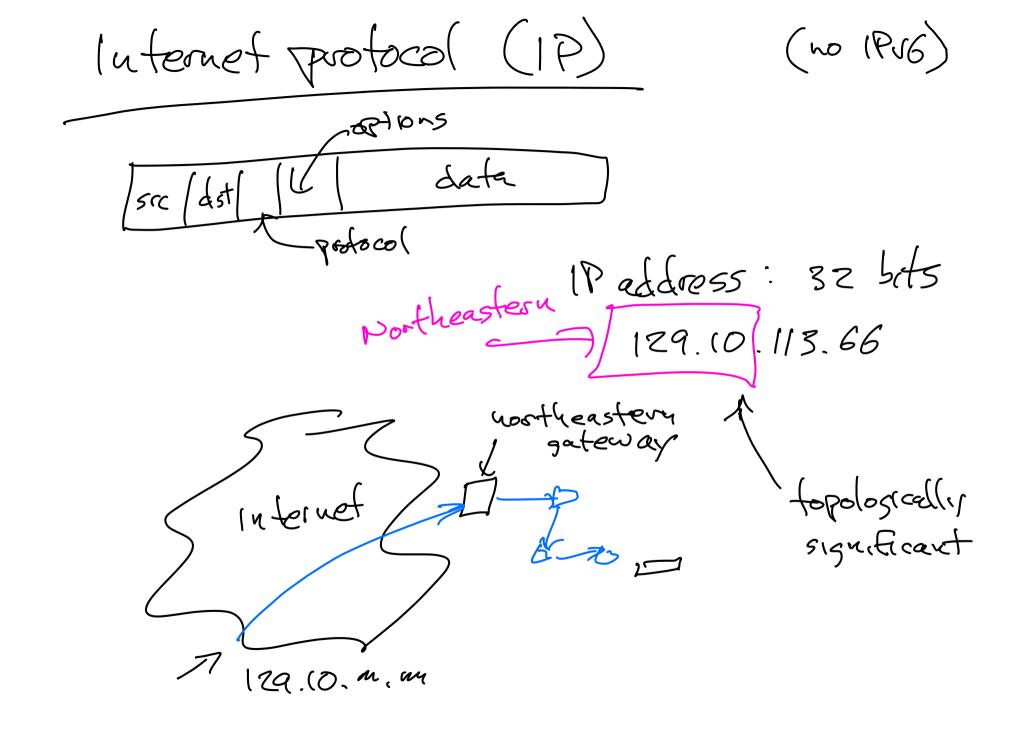
How does sudo work? setuid pour ission bit executable 5 rwx --x --x (possami) exec ("program") -> change user 10

of process to owner of file

ports sockets Networkius addresses [TCP] packet: 17 (Internet protocol) ethernet/wifi

TCP & data efter HDR) | header

Ethernet origin "MAC" address -> broadcast adds FFFFF, Address resolution: gueu iP (.Z.3.4, And OrACador.



IP address rauges

129.10.113.16...3(
810A7(10
(80000100001(00)...;
1111

2864

prefix assuess

DNS (Lomain have system) northeastern. edu khoury. nortleastern.edu. k. unfleastern.edu

gethos, k.u.edu...

retransm (55104 11 ports! L' naming Line out_ Z

West:

more on TCP L "posts"

sockets programming