கற்றது கை மண் அளவு கல்லாதது உலகளவு

INDEX

Best Note Book

Arun Mohan STO CAT SEC A ROLL NO SAG TONOSTE

NAME ATTUR MOVAL STD CSC SEC THOUGHT							
1	s.No.		Title	Page No.	Sign / Remarks		
		14776	Study of vorious Netwood	6		H	
	-1-	N. T. Inc.	000			1	
8		30/7/2	Shidy of Notwork rables	1/20		E	
1	2.	06 64	Experimento on CZOCo	/		E	
1			Pocket tracer			K	
1	4.	09/14	setup and configure		1	1	
B			a I AN using likemet		00	1	
1							
1	3	16/05/2	Experimento on fro duct		Cini.	1	
H			copher using wheshort			K	
H			Salara Bar Samura Salar		11		
1	6.	20/9/21	Homowing rade		~		
1	The same of	24/9/2	s Sliding window		1		
H		4/10/2	Withdian config		7		
1	9	8/10/2			1	K	
H	100	15/10/		adala.		1	
1	-)/	routous in cases		4	P	
1		12/10/2			2	K	
1	12 6	22/10/2	End-End Commence ata	refule	4	1	
7		4-	at Transport layer			1	
1	13	25/14h	Implement your own	VERNER		1	
1	,,		Ping			1	
1	17	29/11/2	wite acode using eau	1000		1	
1			socket to implement		100	1	
1	15	5/04	Andre Wares Type of	WAR.		1	

கனவு காணுங்கள் கனவு என்பது நீ தூக்கத்தில் காண்பது அல்ல உன்னை தூங்கள் மால் பன்னுவது. எதுவோ அதுவே (இவடசீயம்) கனவு . Dr. பேதுல் கல்வ

5.No	Date	TALL	93m
8a)	18/0/24	Virtual LAN configuration	
		willing casco packet server	
b)	15/0/24	LAN using cusco parket fraces	H
		LAN using cisco parket traces	2)
94		Implementation of subsetting	11/2
		Implementation of subutting	y
(ba)	10/10/24	International using a	(ata)
		Route	
6)	28/10/24	Intunational using wirless	N
		fouter PHCP server and	1
		Extend claud	
11.0)	411124	Statte Routing	
	Hluby	RIP wang croco packet	M
		tracu	
12.00	6/11/24	Edo West server using.	201
100	Similar	TEP/009 sockets 1	丛
19	sluby	that program using socket	1
		programmeng	4
12-	elular	Pring Rogram	
14	911164	Packet Suffing	1
15.	+ luly	Alchalizer,	1

J21/4

Date: 12-04-2044 Stydy of Various Network

AM & Notol Study of vanious returned commands used

on Ishux and Windows

Boule Network Commands's

) arp-a: Interpres: 142,16, 45. 54 0x11-

Internet address 12.16. 和.133 一班. 16、野.1 40-00-02-65-97-ES 45-24-15-51-pe-41 Physical

dynamic

dynamile

Hatrame & DESTOP -- LOIEH TO

3) robbstat - a:

name table given the name. [16][17] [17] [18] [18] [18] [17] [17] [17] - a [adopter status] 18ts +Au nutwest matitus NBTSTAT LE-a Numetendina [-A IPAdia

4) nutstat:

TEP Roto ALTERE CONNECTIONS Local Address Foreign address stadus 19年10.0.194年 COLENTE - 41644 Desktop 日であず

composition (5 Default server : unformin

[-h maximum hops] [-f address] [-h] [-p period [) [not @ server v] # \$ 18th of the interface by [-4] [m.] [-wount U-] [-6] [root @ seve ~] # Sp This oct up target name options - + Forse using I Pun 1.10 < 100 PMCH, UP, LOWER + UP> 11th 6554 [root@ server w] # paddrew show ip: 80 < officers coffeet > < command) by bringing Butulous express outline Brute :- Route [-F][-P] [-41] Command [note sever] # 9 18st set to down [duttration] [Host returned] [gateway] Some Emportant Brux Networking Commands to atten the status of the Returne 19hit / taphatk, oo: oo: oo: oo: oo: moord with But 127.0.0.11.8 stop most 10. EMETRIC METRI [18 Intulated - 6 Jara using Jeve gut to lot of wed too

B) [not @ server 3] # [to range @ poor] (8) 3) [mot @ server n] # 97 route dutte 192-169,104 1) Display -> [noot@ server o] # 1/2 router [wort @ source wi] + or route add afforth was address was be reached on down experso enabling promisioners gate may at 192 168 1824 to 192. 168 10124 Was Via - The godeway at 192-168-1-254 [most@ server] # ip noute add parties. 192-168-1-25-121 day 10 der to add a route to 1921-168. 1.0. 124 that To alter the states of the Returbac by can be searched on destru sups so

enpiso + Jugo + 4163 Lop, Brondont, during A packets 4 539 Hyter 1/36044 Grown ones o probed o exeminad o

milesso - glags - Hora cup, broadsont,

multipast > 1800 the early 34: 87 and 184

Reproducts objects object

Reproducts objects objects

@ + wtr. googh.com the backyoner with the

onor.

The metrigoogle town 1. 142-250-171461 1. 12.16.64 loss? sut fing best worth

> to policy in the former of pumper of [root@ servery] # duf quetall - ytepdump

They white the spice

007. TX 31 14 41

mall enterfaces up running that captures [root @ sever w] # tepdiump - B .. D 180 [MP, Rumming, commented]

by base output suppressed use very for [noot @ server] # typdamp _ 95

[noot @ sever w] # topodump + 910 - cra

distant at syed bookboxp 1.3.3.8 [root @ rever of # topodomp - + 10 - cloud or parkets continued by fether or parkets dropped by rune.

Ping # ping goods. com 1142-250-27. 1427 56/89 184 type entone (ethunch) inapshot to full begins grown to make on its (14 bytes from modestito - but the state of the state of the sound the state of the A the grant operation spect lungth 262144 bytes. 1111 [root@ sever n] # tepdump - 9, other sechon on sites from madosport - In - lin - loomet ins 4. NIP SU LUB, RUMBINE) 5. Hustboth Ladopta number 6. 1 topdump vistore output grapped previous to topdump 1 Mp- 201-4: 4+1=120 Ame 10.6mg Mary Conson of Navet. wheel wonethan

configuring an estructure connection by and of the ment of the method on the command the manual mand on the command by butter form madossio- 8n-Jin. 1100 net pre-mo · Bup- and = 3: +++ = 150 +Bre - 2.8+4

1) Let the instrume wanage towards protect

asa quero - estic -39 million of chand

optional Renorm the consider modely " when to consider "
It must connection to the most of connection"

toutique the five settings
To me DHEP enter

H smile committen weeting wirned committen

entrod auto while the fore settings the set a study found address network Display the current connection show spr address lat 07 250 the hot gan grantite water method auto matthes whited womented Attende the prophetical representation of the state of of must connection modelies "usered connection method auto Connection Entergan - name: Aprico connection outsomment you spy & mathed: auto Valle and Emil

Application that I've additional stide of so proten wood the time adjust plant grave different applications the proten wood the time adjust plant grave different the species that the adjust plant grave different the species are so that the applications are proten wood the state of the species of the proten wood the state of the species of the proten wood the state of the species of t

profit # must converten show from the converten outsource the converten auto the converten auto the converten control auto

building the fix some contings

to we soft a state form address at most a state form address and work

with soft a state form address at most

must different quiting pour services to

search

of purity connection made to marked somewhat the somewhat the somewhat the sound of the sound of

enter the fire distributes autowally Coursellon author welfor welfor welfor welfor welfor

Althore the prople
of multi sensettion medifies "usined connection
maked auto

playing the to ediffer of Net.

default the five default going by deventor to default the source stands the life source of the life source o

properly the true colleges

tool the treatment com

many convex size one soo

many terres soon dos - 1/44

most tan second parchets

the fing shoot-rown-on-sp-address

fing shoot-rown-on-sp-address

while infrastruct the the Jalliure extents Rib - Ru hat of outs lable Rs plaged mouble shorting +

stanfam were marking as experted perform hardmore diagonizes steps and replan differ to the send returned water on the device of the stand on the device on the stand on the device of the stand on the device on the standard on the · veryly that reduced take to returned

student observation)

What command to used to find the your your down

While command will give the defination than by persent to reach six destination (1) trace out c

> 9) Which immound deplays the Top part status in your madine,

@ wet state - for Which command displays & config your

Machine

balmon by 18

write & modely the profity the where to apply though the fit of the

The south of the s townsound to executed a wifeed successfully.

STP GATO STATES	AIM. Study of different types of Na Aim studied different types of reduced to the color (STT) of Fibre of the color.	Tron of
The state of the s	andy of the sol	Salvery .
Nowdeth Atmost Transport of the Parks of the	different type of should be should take the costs.	COLUMN OF OF
Nowdeth Phrestop As Translation of the State	study of different types of Notional deflorate types of reduced to the state of reduced to the state of pair (517) and should be contact to the code.	Total .
3	新	100
	を	boreal
		80-4 80-4
	1004	M61.
	Printed the state of the state	Advandage 1. Frank 1. Transland
	Appropriate Spring Spring Springs Spri	Services Company

1) Make your Own Ethernet moss - area of galet support, but care cabiling works of mull, Just over shorter distances. including the shaped to push down the * A complete took . This is an all introdu Ellowar plus chemores Aspalls they take stable should be A most cable: One office + , S TRE MG Toda and parts mided * Two RILES plugs * optional two plug shutlds cable and stragget Y- over cable (all)

stops: Next the approximately sun of able shielding from both the ends. The exampling took has a voused area to one any that extick out forther than even office, mer than best to weather an even but the placeting up the Burd. The Appends owners be placeting up the Auto the Rites play without meaning up the stepson After, you will need to hit angle the warres there should be four atmosted that where should be four atmosted that where the should be sho step 1: To start construction of the duke begin by threading shalled outs the cables then together By a wave, and of there depth > Once the order & woment, bunch end should be the arrangement A and ondur. To duo so, arrange than from top to bottom. One complete took. have the gold prins facting forward you The state of the s hold the going and

The state of the state

Just ever the code of the plug meds to be should be the plug meds to be should be the plug meds to be the plug the plug meds to be the plug the plug the plug of t

Resource Thus structed a various type of sources fully. stephing husely the whee are remarded the grang husely the plug, thereof of the the stephing tool and push about the the attent of the stephing diagram (s) using diagram(a) and using diagram (s) using diagram(a)

What is the DIB cross able & strateglet make: student observation

The working of both order of the framework & reason & waters are resonant & rather than the property of the contract of the co straight while Cross cappe

IF I used for consideran The brand for consulting

types of devices

Noted type of devote med to comment time the

Pic Cotrolly 1 (moss casts)

Pic Cotrolly 1 (moss casts)

Pic Cotrolly 1 (moss casts)

Almody.

or amortish to the could be used to unust a mode

Find but the satisfiery of turbled para

e) there down your undustanding, challengus found of received when waters a fuestee pair arranged to specific support of the production of the specific solutions of the specific solutions of the specific solutions to specific solutions to specific solutions to specific solutions to specific solutions solves to specific solutions solves to specific solutions solves to specific solutions solves to specific solves solve

intellation of man theupen wer them. To study the gould tracked tool

TUTEMPUCTIONIY

without for distincted equipment.

duties available for a windows too figuration of trouble shooting stills was

H. notocoli in paddes tracku ucetual to

THITMCHIO PARKET TEAKER!

Cuple to standish the sety course the presty file more productions to universe the striple for the part the jet the sety when the jet the sety when the sety when the sety when the jet the sety when the sety when

Light It is whether to the distribution should distributed the the for unswell , and those will be desired the file for federal the file for federal the file for

> grant executable prous charries To perturt tradu 601-1386- Eustallu- yper- Win

Une Interface Exercisery

of the Parket Tracker Estadam are Jelliams guts several components. The components

bund to open, some point change preference build to open, some point change preference

gent, undo. This box paintidus shorted forms to memory described and commonly necessed such as open, done,

physical workpower together together and 3. Legical / Physical worksmu at - Three tob

topologies are created and simulations are 4. Uniques The in the orea where

towner tool Box . The toollow providus as sold more layout place nots, all dilds, Exopert, resign shape.

Red the / Shundation take: There take are the land the toght between the real and should shundation mode Buttons are also provided to toward. Buttons are also provided to toward. The them.

national compound box is The sampound toutains all of the estudies and each dorsess and toutains of the bester specific she

Was - treated packet for - View tan create highly entendined packets to test their topology from the area, and the results are deplayed.

Analyse the behaviour of network dustand witing execo Packet Trace structured box, then the network is compound the son pounds and drop the compounds b) it handle her and one that b) it handle her and one that

thick on connections

a) LIBA on upper stratget - Through while b) setted one of the Pe and woment & HUB William capter

wing topper strongs. I through rake.

2. Its on the As connected to hub, getter Decition that, effect on Its configuration, and subject weak.

tool Box, a) Drag and drop store of Pc source marking and then drop store or or another securities to the

to destrotton Pc by selecting the Realtime rock of Amulation.

to suched the # 3 to 5 for the colonor to suched the the town the town the four four the four and conduction about such decembers and conduction about such

THE REAL PROPERTY OF THE PARTY Parket To the state of the stat and wet Probabilist installation. has been Bone successfully The proj (sychet (some care).

The proj (sychet (some care))

The project of color (sychet (some care))

The project of color (sychet (some care))

The project of color (sychet (syche the straight today. Overs today 5:2 student character profer cally used he your but in comment white and straight table 2. which command is used at litel to perhability of a host martificat from. a) which type of early to week to content youtu / sight a ?? Pa dietly Acare when is used to connect a A chose cable to wed to convert the

I wishe down your windystanding, railergue a hubsted poor boss / straight colde.

arranged when areading to specifications of Trees areading to specifications of the specification of the specifica

IX: I should deservation

a) from your discountion with down the former of withth and HUB in terms of formanding the partials recovered by them. when a subtraction. Part board on the -> A this broad tout parkets to will posts NAC address

Buplimented the your tollege and drown and last topology in closewatton when out De & commented to a undral subtule or hubb. A Ator topology 43 Emuphemented

Pc Pe Pc Pc Sunth

> 東からしい DATE , 9/8/24 Ship and Configuration of a

AMM's saturp and configure a law (local Aven Natural) using a must be and Ethinat about the lab.

What is a LAN!

to a Nitural that connect dans as the with an Brustad area with a day as building, shood or house It snables when to share recourses, fouluding data, printers and informat access.

How to set up a LAN?

and equipment heation. + Plan and defign an appropriete netwo

2. you can take 4 computer is sufficient or for refuser of their system sufficient or for refuser of their system.

stund go to properties -> select stand protocol (TOP/(18V4) -> select the petenting of address option and 3. lanned your tompouted to metural 4. Asign IP address to your Pes sulfish attement calif and to another. IN OU FOUNDS * legit to effect company Adjustification thick mediums and committeen

automatically of your intrust supports Networking sharing a Use the Jall 10 address * obtain an Ip address automatically Titernet Robocal vosion 4 (TEP/MA) Rep 1 moresal] Paddhess 10-1-1-1 255.000

The The fall that seven address ditale DNS were address automotics Default godinary

Subnut mask

validate setting upon out Albunate Dus Janes ... Delarred DIJA south ...

Advanued

Ple - 19 address = 10-1-1-1 , subject much 255 on The PG PG- 19 address: 10.1.1.2, Subnit mark 25.00 The 1P oddrew : 10:11-4, subset werk are a Shurtonty from other computers to reducet. 5 configure a notwork sucret and other martine using plung command 6. Chied the toward Posty blu souther magn Ip address to all connected to suffer

JAN was successfully setup using Mary Mary and Mary

> Exercia > 5 MARY Photos tool : Whichest

Bull willy reptures murages In not mand Exprêments on Parkets capture tod: Whethere

by your tongender Functions : stoves and displays protocal

or sections parkets addressed to 14 only man sopher of all parkets fields in mussage.

Butt way we application become entitled Poubut suplant system transport (such system)

Poubut suplant (sup)

Prophiat suplant (sup)

Prophiat suplant (sup)

Lang short is

to that aptures and display pulses in was the The Judines jetters weles indiagon and different displays when in the indiagon in the control i

* Direct packet protocols with

A Browne traffic Situatively * Analysis natural protun

returned administrators Troublest-root

returned problems. Secretary engeners. Banthe Whush Burn.

Butting Wheeshark 1-

Windows / mac Os : Download from

The affect with

Knux Burs - Avstable & perkage

padtales.

Capturing Recorder

D Laurek Wheelook

under supplies to start explusing parkets

The Wiredon's Network Avalyse title Edd View to capature Avalyse

Heliania do Wreshork

(applus)

Johns Het only natural

Market and the second s

Vinvore Violent Adapter Vin Vie Ethermat -Etwut-2

Wheeshirt open the war - year. The server of the server

Charles and the state of the st

となる からなる から

Attering behilds And jetter to Jours as specific not many analysis Type a filter enter eg; due

filtre recently despited for the starte or some

mode a few to display only puspaded + provide your griph.

select step explaine often too partents Go to septure -> option Jime Pauluts

othunt

trade a little to playby only http partits Go to capture - option some the parties

pulses and Expect the parter select LAW, go to capture option solute stop capture after ins pudde search start capture after ins and in search in

applicating + analysing partits from the strunct The dead start explane what stop capture automatically aptur saled was, go to contine -> option

top-turing & analysing parkets using usushark tool to potent when capture too parkets from Save the parkets

Procedurer solut steep reptures automostically offer to parkets the deat start copture some the parter

militar a fether to desplay only TOP/ODP

graph adult when, go to explaine -> oft Some the packets

) What is promissions made ? A returned Paterface the peters made regardles of destination address.

flow ARP parkets how transport layer hunder) tayed to may to address to mac addr layor header they operate as distablish App packets do not have transport

What thanport layer protocal is used by Phis

Software of the Party of the Pa

20 responses & the for Jone thousand. motoral to the post number used by HTMP motoral metabol were part so by delpull communitation.

Both Capture tool wheeshark to executed succession The the experiment on parket

distribution and convention using homining and Strom and verify over. Wiste a program to Preplement error

Russeycreate sender programs with below fatures

of any length.

3. Apply harming code concept. d. Program abould somet text to brivery

CHATTY S MET MENTED

Y-O State of the Control of the Cont

4. See this output in a pile taken chancel data to think leader on the Briany

-the library data to over a display the output to the remove the reductions a convert

> # In to rolately redundant 15ths chart [Billiony [1: st &] for & the range (oc. 1)] A In to course took to listnay. char Pado text) dy brang to text (whory) dy dart to Bridge (text) dy take red 1845 (m) rotum " form (format earl (wan) took b) for Suport numby as 10

dy por vad - 18th (didne xx) Young Y

for 9 % vange (:, with to Yes = rear data Dey "

たいよう 食るる

partly = rat (an (3-17) all toth party - the (ar/r) on the banks # Colsulate party Ets

for file varge (x)

party -0 for 9 in varye (s) for I in range (PH) ME LEA (an) 0= 1 84 Je arr = 181 (and) for If the range (10, 1+1) party n= Put (data (3-9) Res = 2)" 四年二十四四 duted connect (data, v) 9.0 return goth (ant) Pin = len (data) YZZ + = pestion DOS = 2+9 A STREET, STREET

for 9 th rouge (12 ton (dada +11): Holum data: and ("Error corrected at res(res)") (mreutfon") great (" cure at per- (res)") dy rumove lik (alle, r) of passition as a position > to idata)

That I've mor pas to out of range) data [res-1]=101 91 data [res-1]=14 VAT RA post (" to over dedud") print It " over per out of variage. No concerted data = "got" (data) orignal data =" yeturn consulted data data = 18st (data) explical plata = data [P.] refurn data.

product [matter-1]=> " de"; post

The state of the s

Smary data = text Grony (dot)

Shary data = text Grony (dot)

Sh = len (18 any data)

T = letter red - 18th (m)

am = pos vadudant + 18th (amin)

am = cute - parety - 18th (amin)

or and to be with history to

to the of the party of the party of the other

redundant lits fary") with

returnary

the received programs

aff received blocks;

to medial clocks = detect - connect blocks;

possible (1) decoded text - backs. Phy

possible (1) decoded text - backs. Phy

possible (1) decoded text - backs. Phy)

received (torupted - date)

Pib: 1 Federal and the Book of the 184: 1.

Pib: 1 Pederal and the Book of the 184: 1.

Pederal than the above each how been created and

B. : 4

The havening well for own pooling

output -
Ester the tost to be exceeded of create museage in bloomy: of contributions parity the sedement tits for contributions parity the redundant tits for cont Newsrand

Nost

wholes at data first tayer made to ather Create a sender program will followings:

2. Thout a text museage from used . Input wholan size 3. consolu 1 char per frame

4. create a frame will pollowing folide 5. Send the James the reserver.

4. Road a file called vecesia buffer 8. duck Ack folled.

how set of Janus accordingly. The of war on its remembered reserved the frames. 9. If the no ts as experitable, send

> where the approxice Ack no the the received create a remover plus a check the frame no to Read a John named sender bugger

Corde: Purport -time

class home: def find casely, have no data): self-data - data self-pance - no- pane-no

self-acklowledge-fale

prof ("Send James Chames, whindow-Str)

prof on vary Curendo, str.

for on vary Curendo, str.

prof of sent Jame (forms [6] auknowledge

prof of sent James [6] auknowledge

prof of sent Jame def recenter frances / frances / withdoo, styl for & in varye (windows Fige)

of randow random () (0):

Amus [E]. acknowledge. The

del stoling whiteous protocol()

del stoling whiteous protocol()

whitebere - 572 = The toput (16th is wising to sund)

musing = supert (16th in musing (57)

Janua = [Frame [5 mesing (57)

base = 0

base = 0

white bee < lin (famus)

white base < lin (famus)

white base < lin (famus)

ack base + = 1

A base < lin (famus)

frame = " mash".

Jeans day is

frame = " mash".

frame = " wash".

The same from

Regulate Have 4: 0 Color has been evented successfully. Recorded frame of heart sending Frances tribu a neway to send: hello Intu usidoso Sig = 3 end have the France rut - matter for acknowledge transprisent reading for authoritistiquent France sent a monthly for anknowledgers sent plane och Sot frame 2: 1 Frances sent mosting for authoritists Filter Folder have 2: 2505 Rewarded form 5: 16x7 France sent matting for advantaged

AIM - (a) simulate virtual LAN configuration wing class parket draw Smulation.

Interface Fooddress subnetrock Alas Device VLAN-1 M2-168-1 255:255-2550 N/A 12 VLAU-1 143-468 WIL 255-155-1550 M/A 34 NIC 191.166-10-1 ENGISSINS O TOTAL Re-A 192-164.18-4 245-247-137-0 brigh MPC. P(-3

part 1 ! Built the network and configure bostic destings

step-1: Build the refuest

of & cornect the device as shown In the

4 Roay subtch SI Er Er to the work 4 Brag FL-A and FL-8 to the table le fame them on of convert the devices with appear

objective: Assign ports to vians

* Assign PL-A & VLANIO

from VEAN & configuration.

stops + Assign PI-A to VEANIO

* Remove the management 10 adds

at verify with show view breef and

show to Ambuface

But-I Holistock VIAN post away nevert and the WAN addr

eteps: Astign multiple situation to a visu

steps: Rouse VIAN aufgement from an Integral

VLAN command to remove vian command

Part-4: configure an 801-18 trund between austilies.

porter; configure on & / a truck between oteps in use DTF to Profitate tracking. steps to topique base south settings elep 1 : Use DTP to Partiate tracking of antique both suttles do : longique dynamite tracking. vertly using show interform fruit & eneutry Septconsole the souther & exter providinged To evalled between \$1 752 Guellous 5 EVEC meds. 1+ tan 11 plug 32 ? I set the desta name for each multiple I can ply a at let the pressinged erec passened it set the course parecuerd and excell w. lan PC-A pthy Pt-57 Yu, 17 mans are properly outgoined of Energyt plastest gassword. -trusting to enabled Pr. A can pring Pt. & steps : confegure pe rests obs: Assign op adds to PCA and PCB Reflection questioner steps to In 19 could mout the 9d address to communificate to best on MAN. ON? for PO 18t convertently. Step 4: Test connect thing or a slayer suitch the vide routing obj: Tot plings between obstess close configuration wilndow. organization can vectore through offully stept Acign PCA to VLANIO Coperational Ferrere the management 8p address from a Imported natural requestation

Student diswation: a) Down and the the WAN for to faculty the rebestice depositment, etting in a different 1) show the to tarytyperation for each destin greatly - 1 192-164 to 1 few pearty - 192-164 1932 Josephy - 2 102-125- 10-2/24 Jambly to 142 160 180 480 July . : 172 W. m. sten Jamby . & 172 11 10 6/4 failing + : PHE-REFO- How from the FE - 16 N - 10 K/Eq. e) with the communicated suches (using) of ston on withit trooping was or name, Robottle Vette

suches (reggy som) of name. Robotite vom outlier (reggy som) of name. Robotite vom outlier (reggy som) or outlier part over outlier (reggy of inny som outlier part over outlier (reggy of inny som outlier part over outlier (reggy of) or ext.

This the above conde to constal

EXHO - Eb

armsted from technique assertes ventess

Protection of confession of sent to and worken weather set accept to mother reduced. Set to address of senter to all Ports convert your PC by out Key

是 是 是 然后

stope while or afficient Printer

Moregement Forter pour industry
Forter
Forter
Access

somethy and Printed

Melkitlenton

Now configure the state upon all three Pla and not the maket must The short mark Regult gateway 812-166-0-1 PG 192.181.08 345.1851.1851 192-168-07 PC1 14-116-103 365,18,155.5 191-165-0-1 PCI MINING PRESENTED clock to warden eltil on donneit too and ellet on regresh buttons MEP Key Jenniffy WER NEP : ON KR Canal cannot HOD GIET Signal meson that wently would be Agent for all Fe's

that Thus the above exacts to executed

and reffered surrenfulli

student observations

1) What is used a ustretus routing

The scipe certies set tradentific of worder router. It allows downs to connect to the

a) What is a security key in white water is a security key in a wiveless waite is a passional used to protect a wife network weak tage

3) configure a striple utively can the configure turns a real point is write down the configure the your notework.

point to power and netweet the access

og: 192-168-1-1
set SSD name and configure
Set newsply much DP At - Psk.
Recommed: set a key.

Subnetting

AIM + Implementation of subnetting in the

parket trate Fundators elauleu &p subnitting & a techique

that allows for more efficied we of Ep address by allowing for rulnet mask

that are gut the default marks, when

we have limited no of sp adds but new

to create multiful network

Creating a network topologys

Once we have evented our network topday we can odd darke to Ff. Here we will be adding voidues, existing Pls to add a dorlar select the devery topology,

The Sp addressing for the network. I shown In the topology can be as followed

Route Ri

suitch si !

Fast Pc1: 192 - 16-8-1-11

PCL: 92 16-5 1-11

PC3: 192 .168 1.13

191. 168 1.11

192. 168. 1.15 PC5:

Fast

PC 1: 192-166-2-11 othersto/2 PC2: 192 168-2-16 192-62-2-024

PC3 : 198.168.2-13

Cherry's The said Sun

PLA : 192 . 186 2-14

PIS: 192.168.2.15

Kaituke. suffer s

C1 : 192 - 168 - 3 - 11 Fast PC2: ML. 167.3.1L

ethunut of PC3: ML- 168.3.13 14x-66-20/27

PC4 : 192. 168 - 3-14 PCS: 192. 1-88. 1.15 logique the devices;

Route configuration roughwater Entural

Fast otherst 0/0:

Forty: Interpre etheret 0/0

Active: no shutcheum

Est: Intujan configuration: extit

Foot ethound e/1:

* Repeal the above steps.

configure gigabit ethunut:

Sutifich wylfguration;

Enter watch and configure tembral Enter Interface just etheret of then surtchport mate access, exit

Prepeat for just effected of for councilly do the second PC.

F1 1-1 19 191

Pe configuration?

* Next be 8h the same subset on to

* Set to the fastethenet of Puturjan.
* Enter Dies dittal or reached

Testing the network +

A successful pring Photocates proper pe-top

Jal.

RESUCT 1-

Thus the above connection the also parket trace was executed succession

a) Note down your undustanting of submitting.

a larger network Porto smaller manageable such returns Each subject operation.

submitting with a natural.

x110 Internetural using a voiter

AMT

Internationaling with vouters Br comes

Pocket Traces Speculatotors

Datign and configure a Shiple Patenthwork wing a router

In this returned, a voite and else are used connected with voiting using a copper straight - through table that porners the returned, to check network connectedty a simple 9s -transfer from Peo to PCI

Procedure +

step (realizating routed)

- 1) select the routed and open occ
- 1) Press Ender to start confequency writer

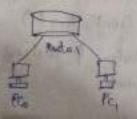
1) type enable to autivote the privileged

Mode

steps is (configuring to)

the reduced to avery Pc &

2) select the Pe, to the disktop and Solut In configuration and autign on In address, Refault gateway, what Many steps concerting 96 with Radiult 1) consent Fout Etherselso port of Postum Fast Ethanet No port of Fouter luthing a copper stranget - though cable. 2) cornect Fast Ethernelso port of Per with Fast Ethurst alo gost of Route, Radu toutlyworthon Table Rowle padde subject padde which rank town town factor 192 Me 10-1 January Market Affair It configuration table Reterance padde subject moch actuay The Marie attastic 192-183-101 PLI PRIBLIOS STATISTO PARAME



REUCH

Thus the Entrunctionaling with voiler in curco has be Emplemented accessfully.

Extent proposerver and Enternet cloud

Attent Berge and configure on Internetions wing wirden router, DHOP, server and Extense about

Aldrew table 1

Desta Potujare grandress subject potus

pe others proper unively care appropriate

wholes intent Acr

Chemin Phones Society and en access

lastop whether pater

double

Part 1 & Betch a strupte notwork to texteal

Part 2 softgure the network devices

Portage Test econnect 1987 y between . Additional district

Post-4: Save the file and close postat-

Phot 21- configure the natural destruction stept?

a) (really the utiveless released on the

b) lave the cettings

step 2 r configure the laptop

a) configure the laptop to accus the culveles network

step > 3 a) configure the per joy the witherd returned.

of Install retwork modules of revery

b) Idustry the from and to posts

c) Idustry the type of proceeding

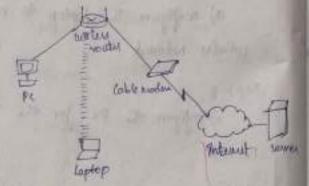
step 5 - configure the observan sever.

- a) configure the resconton server
- b) configure the osconom server globs

Port 3 verify connectivity

step1 in Righest the 1844 selflings on the Po

Test comentarity to the elser.com



student observations

1) Key fronten of configuration cutreles roudes and other servener

Asst * entreless route configuration out the spec (network rame), security type (NPA=1)

NPAS) and nuthod to secure notucol occus of perp server configuration: Enable the perp server to automatically assign it address to device on network.

3) What is the eightframe of Other server in Actumuloushing.

* Automated IP autignment. OHEP Supplisher
IP address management by dynamically assign
IP address management by dynamically assign
IP address manage errors

PERCETT The the Enterworking using wholes with and the Enterworking using wholes with the stand is the stand is supposed to the stand in the stand in the stand is the stand in the stand in the stand in the stand is the stand in the stand i

State Rading DO HA Route o configuration hautos shoulate state writing configuration enable configure territorel. AM g rate 30.000 ser.0.00 cine postet frans 80-0-0-0 25t.0 6:0 400-0-2-25 Po voide settling up a proutfor labor 40.0 0.26 30.0-0-100 ESTON-18.18 Provoute create a postert trave lab as showing 20.0.0.2.20 30.00.00 25 ME 25 25 15 growte. 20.001-1 145,0.00 50.0.00 in Jellowing Phage Poyoute syst. 1000 Route 1 configurations Evable configure territoral Route 1 Reuberg 20.00-1 2550000 10.0.0.0 Proute P12 50.0.0.1 255 0.00 10.0.00 moute 20-0 01 250.0.0 40.0.0.0 Tovade The following table 1984s the connected metrusonly 50.0.0.1 20 350000 40.000 Moute 1820 return available Smittle refusal on Route Route 2 confunction teral Polularia on other roughl's enoble confequre tominal 10.0.0.0.18 30,0,0,0,018, Routun 200.00016 50 0:00 0 18 HD-D-D-015 40.0.0. 255.0.00 Brate 6000 Roude ! 50 0.02 20.0.0.018/ 10.00048, 35510.00 Proute 30.0-00. 300000181 40.00018 80 000018 PART Router 2 40.0.00018 10.0.0-0-06 50.00 C. 15 LOGODIE-

30.0.0.018

Willying table realing destration has and tracked the path they take

RESULTE

Thus the states routing configuration has been supplemented successfully.

fall to an day

Rip unling clico packet traces Extile Himmy

Shoulde Fit why cases quite trace

ip any guration

if configuration Potujou DerRoss Reutivore From 1000,2/5 Fut Maunut Prospect Flores 10001/1 FROM Radus Bouter of s 20/619 194.1651.254/30

connected with

Routur's whole

Pets Fatte

houter 2' fact

Solot Routus Boudu 1's solds 195.141.149 40 20/0/0 houtako

Toutuals Jalala 190-180-250/30 Solds Rootu 1 Route 2/230/0/6 100 164 1 344 80 solds Rottel

192-168-1-245120 solde Radus 2000 160 五/1

Route 2 Foot Ethurut 20.0.02/20

Assign 19 address to Polylais of voities

a set the clock rate for DCE and not for the pre-mod

+ show controllers todayare for whether the Polague to per or porter

Ext Bin Film effect server enting Tistent white Configure Rip parting protocol Alter Emplement echo illent conven using to luce Noutro Youtu AP sakets refund MP Algorithm (sound) T heteupal to o-o-o notwork 192 162-1-252 1) (rest a Top sould a) Butted socket to leval address port return 192-1681-142 e) 15then for Encouring extent connections Pouta! Youtu VP n) Accept a etent connect history 122 181.1.244 white 5) 100P Natural 192-168-11-248 * rection data from elient Restu L w else break loop renta of 10000 6) less the cornection. notural 1010.00 Alpostic (client) hutman 192-168 KISL of create ter socket Metricole 192-148-1-149 a) bound to server using apopled address Acous the command prompt of PII and we gilling command to test the connectedty. s) send a nussage to berner 4) Prestre the caloud manage from the FERRY 5) Display sealed housage Thus the simulation of KIT willing Open 6) Une the saket.

Programa serve py Rugest solet of sprenal) server edut + sould (sould ! OF WIT, soul, seen rocket bind (" healtest", 12245)) Sever sould. Pater (1) post (more seres to written for a connection) compation about address a server socket. points (" connected to tellent address)"), -try white, True data connection. Year (1014) of data

posit (ja Reastred & data evodule 1939) break hard to made to finally convention done () Franc = "heat" -tep-sorvers)

to tent py Support socilet dy type ettad 1) effect, sould = sould worker (socket A) JAET, sould soul (Rest. socket, werest (1" local host ", 12305)) try number = Papet "Enter a manage to rend") ellent socket. sendall (nussage. emodels) data - elsent. societ. rov (1024) print (f) Rushred from sever: fdata. douds ellent soulet, doe 13 1 - range " water ! top-West U

Tamiral: 1
Top. semen py

P. C. 1 Edward Paul Court Col porthon - U"C: LEdward Court Court College Consupply

connected to west o. o. 1 , 53256)

Received ! hello the is to the effect

Juneal 12

102- West 17

Below reserve to send help there Patrop effect Resulted from everyon helds this to be

The the program to educ ellent Sere using Tiplus sockets is executed Front that program using sould programming

AM's To Englanent the short effort sever rung TO luce sever

Algorithmit

bind to a opening address and port, leden

by Recording consultions s) When a new chient connects and client a 18th by eltents start a new process to talk too the alterds

3) For each corrected attent Keep theating new messages.

4) feep running the presses tell the reaver stop

cled client

I) connect to some by croating a socket

2) start a proup to 19ther to occurage

guit the wa dolla do

```
that sever-py
    Proport socket
    Pripat threading
   dy bords object (ellent socket)
     suttle Truet
         try numage = ellert scelet wer livery
 ried of not numage.
      part of " Redred warage from effect friend,
    elsent socket, send trapone, encode ("uff")
 ellent-socket close()
 def start cover!)
       Server = sexhet socket (socket AF - ! MOT)
 Solut_ sod - stream)
      Jevel - 68 d (1'115 0:01), 11845))
     server. (alercs)
     partnet (today server structed on 127.0.01:123)
outile True
       ellent socility adds a sover accepts
     point (3" New connection from 2 adults")
      Stentehandy-start ()
```

```
chat_dient gy
   Proport socket
Proport otherwalling
   dy receive having littent raket)
  while The:
      Try manage a ettent, maket veer (1924) to
    of muninge (f" a cives . ( menage 3")
     dupt truption we:
     post ( 1" An ever ecuyad = fe3")
oly start client()
   ellent socket a socket content AF
INFY, worket, out - sofreame)
    het= 127.001
     port = 12545
    Most - nother connect ( that , part)
  print ("connected to the chat server")
 1 - name = " noth =";
   start . elfert 1)
```

chat saver. 94

that server started on 127,00,1.1224 News consider from (1127.00.11, 53686)

Rented marge from efforts help this to

that ellent

Type your mange to allest - hallo the & what on

lentinal:

chat thentipy

connected to the that seven

You hallo thes to that elient

You! sover; help that is that some,

Deglica Stower Stable house Cesury and are a subsected to be

This the program to implement that program using cooks programwing to executed successfully.

Fly Program BY NO B

Alm's Implement your own ping program

Algorithmut pring-elfont. py

- 1) sciket eventlan d) Then set a 49 menut of 2 second to ensure & no respone & recorded of will stop walting and pirkt "Request port"
 - s) send a pany my to appendig and post

Thy serverpy

- D Inatholity with socket
- 2) BRVd do IP address & port
- 1) Reverse data
- send response

Programm

pring deliver, py

Proport soulet

del stoot server (host = 1 = x.0.0.1', port = resur) with eacht socket LAF INFT, socket pursus

sittind (that , port))

fronty (fill of some rumpy on that)

data, addr = s. ver from (1024) white True! party " Received narrage from { addity (data, devoters) 3-send to 16/pong/, addr) 9-none == "-nap": start sever1) Progritient. pg Prepart soulet Report there is a second oly pring some (Not = 122,001, port=124 with socket socket (socket AFF WET, socket, sock 3. selfmant (3) start = time (fine 1) 3. sends (b'pling', (host, port)) data, addr = 5. recry you (1024) erd = Affine . Affine to point of Reversed (data-detacle ()) flow feeling the Employeeth 214 seconds 19

September 1985 1985 1985

prof. south. the out ")

prof. ("Request fined out ")

g-name. "I mash.":

prof. server!)

Output:

Temmel

prog-server py

up server running on 127.0.0.1:12345

Russed russage from (104.0.0.1.1) - Prins

prograde

prograde

program (182.0.0.1, (1845) Propos

Received poug from (182.0.0.1, (1845) Propos

seconds

he part topic the one of

Aggle and a great of

RESULTY

Thus the pring program has been executed successfully.

write a code wring RAN sockets of Implement packet shiffing.

Algorithm

D Install python and wrapy

2) (reals a program open text editor and treate a file in notepad belled.

3) setup quelet trace by which of packet has IP layer, redently the packets

H) Run the packet singret by willy

command_

5) Run the packet entipet by curry conumand

Programi

from scapy all Proport swift from evapy layer. Thet support 18,700,000, dy packet allibiek (packet)

1) IP the packet 19-laya = lacket [19] Rotold = 12 layer proto sm-8p= 9p_lagu_ser

prototal = = 1 protocalnance = " KMP" eli) protoal == 6 protocal name = Top protoal-name = \UPP'

protocol_name = \unknown protocol print (1"pratoid + Epistocal-ranes) prof (1 " Destruction IP = (dst_185") profit (1,000) 1. name " - moder -

output:

math()

photocal = var source 1P = 192-16.33.84 Restiration # = 244.0.0.25 Protocal = UPP Source 1P = 172-16-33-84 Destination IP = 244.0.0.251 Proford : UDP

30ML 19 = 14-2-16:32-182 Deathadforth = 1.9.8.9

Thus the prohet aniffing program he been executed successfully

AIM'S to analyse the different types of mothers why mubalizes deal

Algorithmia At prict you must have thistalled Xarripp and hosted

the dylination path to store the westage

a After updating st open command

4 The result & stored 8h the updated destination path

I check the various Page in the Prodex html Ple.

Madin

RESUCTI

Thus the different types of webligs has been analysis wing unbediese took.

analyse the different type of



