Open UPW:-Required machines 1919191919 1. UPW Server - contos - NAT - 192.168.44.160 Host-only-10.10.10.132 2. VPN Client 1- Contos- NAT - 192.168.44.139 3. VPN client 2 - Windows - Host-only-10.10.133 To TO TO In VPN server machine: -# vi /ctc/ selinup/config L> selinox = disabled # echo 1>/proc/sys/net/ipv4/ip-torward # VI / etc/syscH.conf la Net. ipuH. ip\_forward = 1 = # yum install epel-release = # yum install openupn # d /etc/openupn/ # wget https://github.com/OpenVPN/easy-rsa/releases/ -3 download / V3.0.6/ EasyRSA - Unix - V3.0.6. +gz # tar - xvzt EasyRSA-Unix - v3.0.6.tgz # MV EasyPSA-unix-v3.0.6 = easy-rsq

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#Cd easy-rsq # rat vars. example # Vi Vars Is copy lines from tech-admin-net open UPW installation parameters. # /easyosa init-pki # · /easyrsa build-ca Is set password - hpcsq set Common name - open - upn - server (CA Name) PKY directory will be created # Is PHI/ Is there is a certificate file "cq. cot" & Private Key "(a. key" - Now Generate server Eerfficate files. # · leasyrsa gen-rea demouph nopass actual server sign the server key using CA · /easyrsa sign-rea server demovpn Ls confirm request = YES

password = hpcsq >>>

CS CamScanner

# cat pki/issued/demovpn.cot Is now you can see the contiticente 1 B # openss! verity - CAfile PKi/ca.crt Pki/issued/ demoupn.cot > certificate ox # · /easyosa gen-dh - generate astrong a strong Deffie-Hellman key we for key Cochange = # cp phi/ca.crt letc/openupn/server/ # cp pxi/dh.pem /etc/openupn/server/ # cp pki /private / demoupn key /etc/openupn/scruer/ # CP PKi / issued / demoupn. cot / etc /openupn / server / Now Generate client certificate-& key file = #./egsyosa gen-red dient nopass --3 La Cater client host name - uprolient -Now sixosign the client key using CA certificate -# . /easy rsa · sign-rea dient dient -L's contirm request Letails = yes password = hpcsq --

Now copy all dient certificate to dient-directory

# CP PKi /ca.ort /etc/openupn/client/

# CP PKi /issued /client.cot /etc/openupn/dient/

# CP PKi /issued /client.cot /etc/openupn/dient/

# CP PKi /private/ client.key /etc/openupn/client/

Now configure VPN server.

# vi /etc/open vpn /server / server.cont

(s copy lines from tech-admin.net open vpn
installation step-8

# systematl start openpn-server @ server # systematl enable openupn-server @ sarver

# systemed start frewalld service

# firewall-cmd --permanent --add-service = openupn # firewall-cmd --permanent --zone = tousted --addservice = openupn

# tirewall- emd -- promanent -- zone= trysted -- add-

# firewall-cmd --add-masquerade # firewall-cmd --permanent --add-masquerade

D # tirewall-cond -- permanent -- direct -- passthrough iPVH -t nat -A Post= POSTROUTING D 9 - 0 ens3 - j MASQUERADE 3 Net intertace 3 73 # Firewall-cmd -- reload 75 73 Now Generate client Contiguration File # vi lets openup 1 dient-ovpa/ dient - ovpn 13 copy step 10 from techadmin. net open-upn 7 = # scp - 0 /etc/openupn/client root@192.168.44.139!/000t On centos client machine:- $\rightarrow$ change Network setting to manual give & === give ip address same as previous 192.168.44.139 & subnet mask - ess. 285. 285.0, Dont give DNS & Goday then it shouldn't piny to windows client -# yum install epel-release \_ -# yum instell openupn -# cd /root/client/ -3 # openupn -- contig client. oupn now open new terminal & our command "ip a" 13 'tuno' addapter is added. Now press ctol c' 

Y

Now in Upn server

# cat /etc/openupn/server/server.cont

> push "route 10.10.0 255.255.255.0"

add this live windows 1ps network

# systemed restart openupn-server@server. service

Now on upn dient linux.

# openupn -- contig dient.oupn

# route -n

Ly now jo. 10.10.0 Distinction route is reflectived in up routing table

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er sylven