1) Create mainBR.xml (mainBR bridge in not mode, dhop range of 192.168.140.2-192.168.140.254; mainer dhip server ip = 192.168.140.1)

@ Greate prist with reth pair p1 - mbr. Attach p1 to prist and mbr to mainBR. DO NOT ADD ANY MASQUERADE THE.

(3) Run doctiont on p1 inside pros. It should get an IP as 192-168-140. X/24 and also routes must get populated.

(4) Cruste C181 with reth pair n1-p2. Attach p2 to pn11 and n1 to (121. Assign IP to p2 as 2 ay 192.168.150.1/24 and to n1 au 192-168-150-2/24. DO NOT ADD MASQUERADE sulle.

(5) Inside (181:

@ Guste a bridge v br through brith

6) create a vilan dirice with fall command-

ip link add vxlan0 type vxlan id 42 local <ip of n1 in) auvent hyperinar > rumote <ip of n1 in rumote hyperinor > detport 4789

@ Attach uxland to vbr

@ Cruste a reth pair dnx-dbr.

@ Attach dbr to vbr

Assign IP to day - IP that austomer wants say for eg: 1-1-1-1/24

@ Run dus masq command on due interface -

{drumaig -- interface drus -- dhep-range = 1.1.1.2, 1.1.1.100}

(b) Add default noute -{ add defautt via 192.168.150.1 }

1 In hyperison add the following resultes -Sip route add 192.168.150.0/24 via <IP of P1 of pnA1> ? 7 ip route add 192.168-160.0/24 via 99.99.99.2 <subnet of n1 of c1,1 on remote hypernia or >

- 1) For the other hypervisor, repeat steps 1 to 6 with fell charges-· p2 ib - 192.168.160.1 24 · n1 ip - 192-168-160-2/24 · dnx ip - 1.1.1.101/24; dhcp-range = 1.1.1.102, 1.1.1.254 · In c1x1 add default route via 192.168.160.1 · In hyperisor -Sip noute add 192.168.150.0/24 via 99-99-99-1 [ip route add 192.168.160.0/24 via 'ZIPOJ pl in pns1>] STEPS FOR VM CREATION & PINA 1) Create a reth pair b1-v1. Attach b1 to vbr in c111. 2) buste a VM with _-nutwork none 3 Attach V1 to VM using -{virsh attach-interface --domain vM direct V1 -- live } _- peresistent (4) Obtain mac address of the VM through domiffist and IP through virt-cat rommands. B) Repeat all the above steps on the other hypervisor 6) Ping from one VM to the other; ping must work. Remember IP of VM in hypernison 1 - 1.1.1.22/24 and. IP of VM in hypermino12 - 1.1.1-116/24 then, ping should be - ping 1-1.1.22 / ping 1-1-1.116. 1) Flu the VMA are directly attached to vibr through the reth pair bex> - vex>. Detalk this vex> for the VM to be migrated using frish detach-interface --domain VM --type direct --configg 3) Shutdown the VM to be migrated.
- 3) copy the VM's VM. ing and VM. xml files to the memote hypourison in /var/lib/librist/images & /etc/librist/gremu

- 1 Define the VM in the rumote hyperrison (virsh define).
- 5) Start VM (virsh start).
- (6) but weth pair b<x> V(x) { same as the Local hyperminor}
- Attach bex> to vbr in class. (1) Attach v(x) to VM but this time include the --mac optionvirsh attach-interface --domain VM direct VXX> --lire -- persistent -- mac < mac of the VM in local hyperinore from where we migrated the VM from >
 - 1 The VM must be having the same mac & IP. Ping must work.
 - (a) Destroy the shutdown VM in the Local hypermison.

THINGS TO TAKE CARE

- 1 Mac resolution
- 2) copied VM. img & VM. xml might conflict with enishing ones so handle such situations.
 -) Selection of VCX7 & bcx> name?