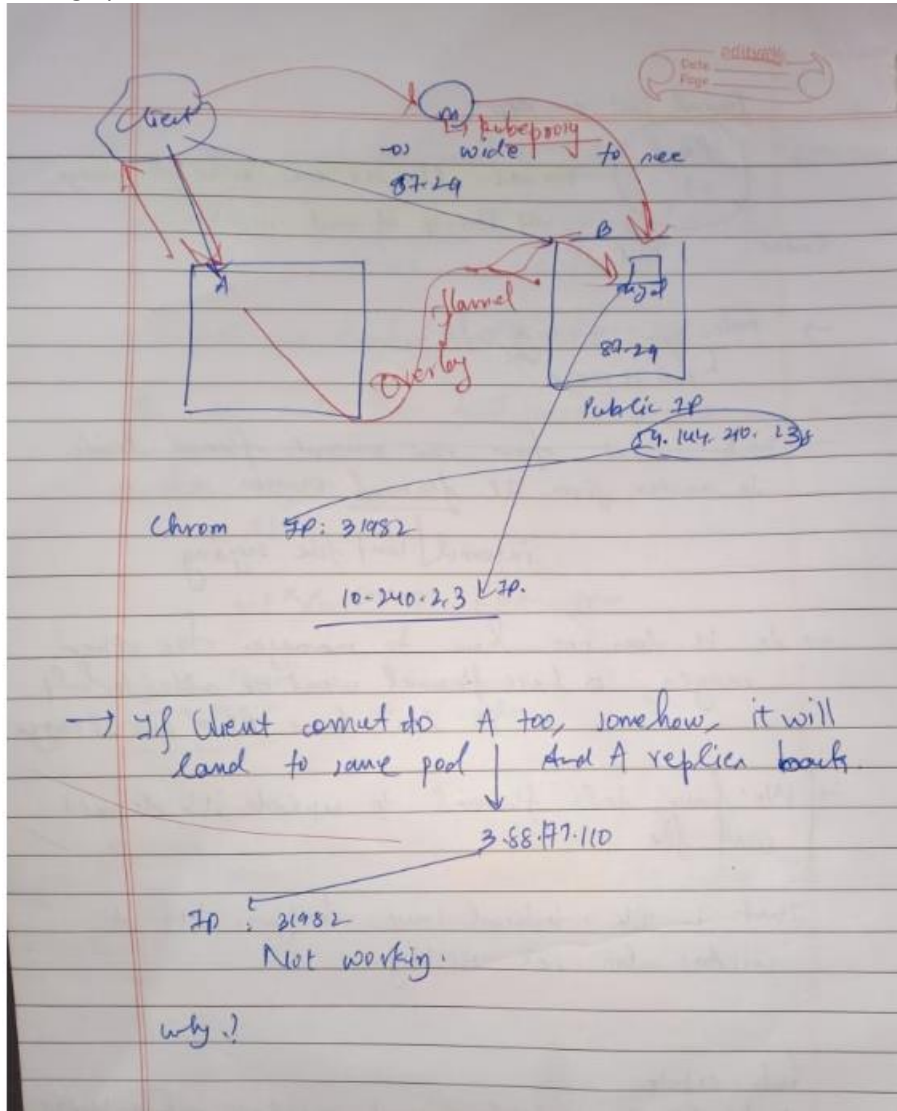


setting up the flannel network`



Scenario

- ➔ now, there is one master(M) and two Worker Node(W1 and W2)
- ⇒ we have to launch one web server in W2 and its very obvious that the server can be accessed with W2 ip.
- ⇒ Challenge: I want to access the server setup in W2 with W1 Ip and Master IP.
- ⇒ why the above requirement exists? because at times we may have several say 100 of worker nodes running, so providing the particular IP of distinct services is not good. we have to provide just one IP to the client.

Intuition:

- ⇒ in cluster, WN's works as team, so on behalf of client, the one IP provided to the client of this cluster will come inside the cluster and will retrieve the info from the respective server. this is possible due to the program called kubeproxy.
- ⇒ Kubeproxy behind the scenes uses flannel (uses backend tunnelling of VXLAN to setup the overlay).

AIM - The only thing we have to do – is to change the conf file of flannel and give the ip range of the pods that we have provided while to kubeadm init while setting up the multi node cluster.

edit the conf file of flannel with:

```
kubectl edit configmap kube-flannel-cfg -n kube-system
```

and changing the conf of any service requires a restart for the changes to take place.