XX FLAX NRF is a technology which is used to Greate multiple anting tables for on a Single router. I get us say, by defoult houser has a interposes FO/O R, FO/1 Both FO/O & FO/1 interfaces
ocautes will be stored in
Global Routing Table * In normal oranter there will be only one having table Containing these 2 interfaces information means, both one member of Single routing table. + we, Cannot Configure Same network on the both interfaces, this will give us overlapping coror. -> So, VRF is used to divide the nouter violatually. Folo Folo

VRF1 Rading kable VRF2 Rawling table

As we have a Shortage of IPv4

Cir: 10.0.1.0 is a primate IP but all the

different Curkomor's will use Same 10.0.1.0

* Service provider & Internet Service provider:

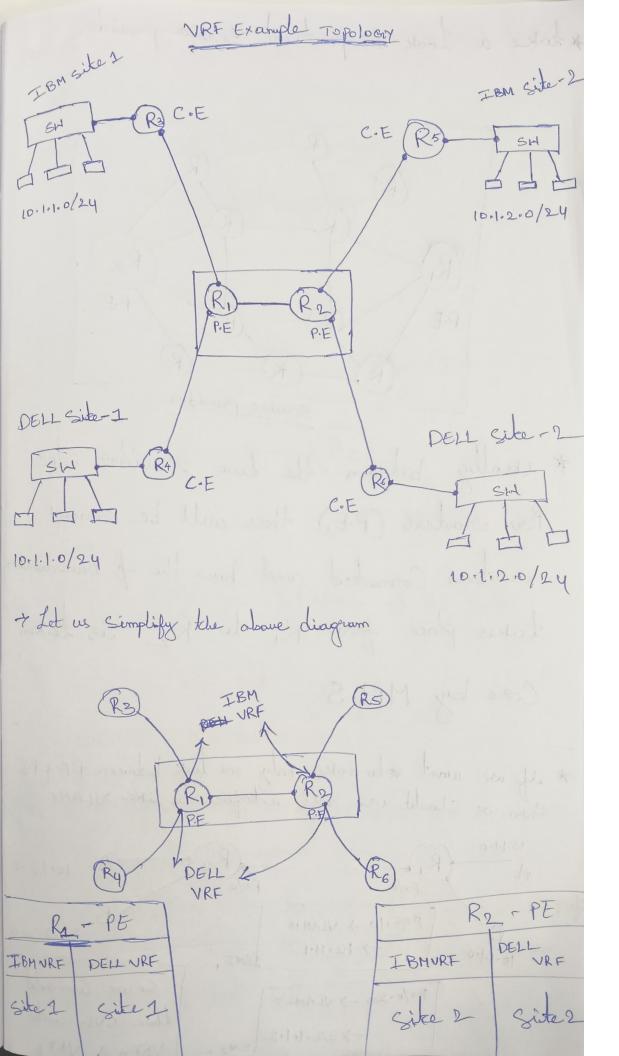
1. Service provider: is Responsible for Providing Connectivity between two points

25 - Let use sony, Customer A & Constomer B are the 2 & Customors,

Customer A: Using private IP: 10.1.1.0
Customer B: Using private IP: 10.1.1.0

Now, there kno Cor Customers are going to Communicate with each other over service provider network.

So now, how there two customoer tempers are differentiated by the Service provider is by Using VRF.

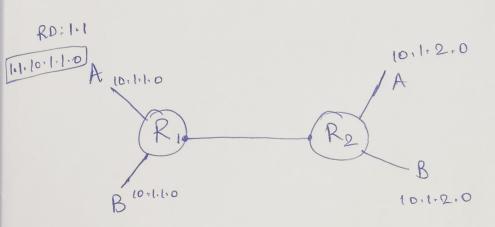


* kake a Look on practical Service peravider Service provider * Usally between the kno provider edge Aso crowters (P.E.) there will be many I routers Commerced and how the of transmission takes place from R, to R2 is taken Core by MPLS * if we want roote make only one link between P.E & P.E then we Should use SVI interface as like VLANGE 10.1-2.0 F0/0.10 > VLAN 10 20-1-2-0 10.1.1.0 · 12.11.1 SVI, F0/0.20 -> NLAN20 So we Com and there SVRs into VRFA & VRFB

* But, in realtime if we have only one link
between PE (R.) & PE(R2).

+ we Can do with R.D value

RD -> Route-distinguisher



* So, now the VPNV4 is of 96 bits and to route this 96 bits of data remal BGP is not suitable

* Normal BOIP Can route only till 32 bit profit

* So, to achive tohis, there will be one one

more BOIP called MP-BOIP.