202-3-04 Medrile -	3 PROTOCOLS
=> Distance vector earling	2. Link State souting algo.
» Autonomous System	
Actionomous System-1	Acchonomod Egiston-2.
· Network render single · Every autonomous sy	administrative authority. scom has an identifier- uctonomous Agstern aumber.
They are Endependent	archtedur Le Ce Fing Routing agoritm
Losternal Routing Ag.	=> External Rowing alg.
- RIP, OSPF.	- Between autonomous
- Lockins an autonomous System conorder to Chare information	Septem inorder to share souting order. Ex: BGP souting order. - Network reachability
	conformation.

passes conformation (and builts
table.

Landles Computations. > Rocting algorithm Douting protocol Especifices the format of he manage and sales of forwardly CARPS ICMP). · RIP 1/800 distance vector routing algorithm.

OSPF - Link State Routing a Gorithm.

> Interior Gaterous Protocol 1) RIP - Rowling Information Footbook. Participonts. · Within an autonomous System. Los types of participarents - active & passive (hosty souters),

X. sorting experies: Every 30 seconds | #FIB.

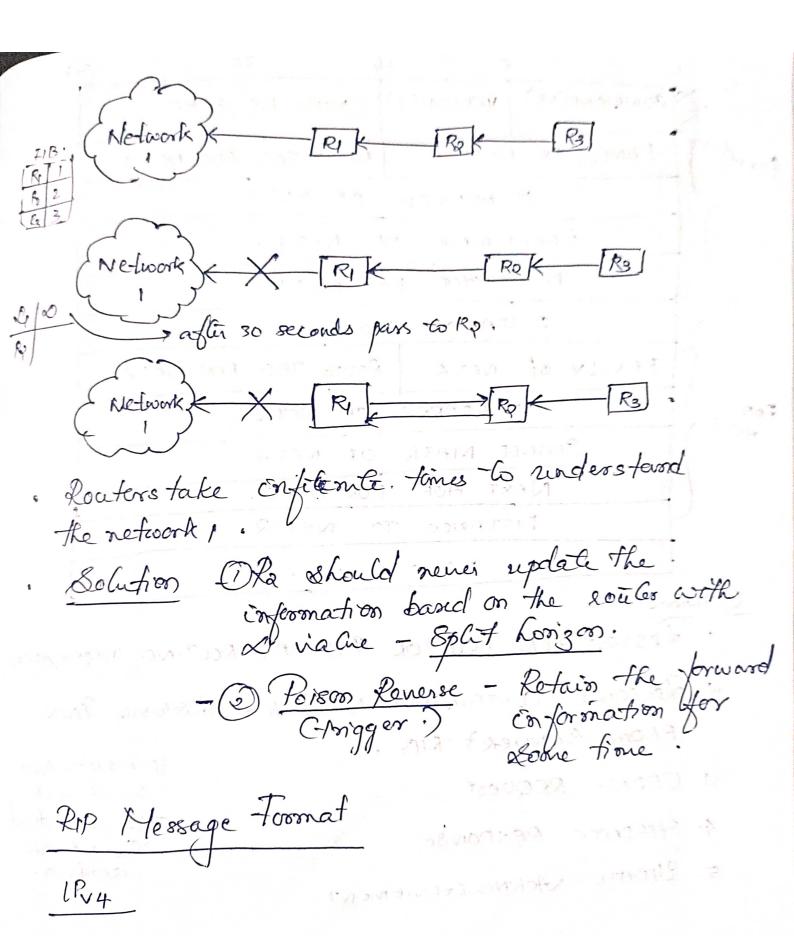
Inclused

Inclused

Address · Update: on receiving à lesser distance L'ontèger distance Chop court). . timer: 180 seconds. Subnet-routing process-host and souters are participants.

Actine - one which share repolates in position and defined periods Con every some · Passine - always listen to other earlers - Collects and compute FIB. => FIB = Forecarding Information Base · Has n no: of entires.

· cach entry is a pair of information. Network address In Eger distance metal-(hop count) · Voes Distance nector routing alg. I - hopcount. FIB doesn't 8tre the 8tale information -Harts times (180 sec) - 8 tores and after that et is deleted. · Lesser netcook chistorice Comes con b/wexpedices FIB with the new one - Honer restorts. => Problem of RIP DV - Cocff to enfimily · Slow convergence / count to confirmity.



*	COMMAND(1-5) VERSION(2) MUST BE ZERO.		
or net. 1	FAMILY OF NET! ROUTE TAG FOR NET!		
0110	IP APPRESS OF NET!		
	Subnet MASK OF NET!		
	NEXT ITOP FOR NET!		
	DISTANCE QTO WETI.		
	FAMILY OF NET & ROUTE TAG FOR NET &		
FOR R	1P APPRESS OF NET 2.		
NET &	Next HOP 'FOR NET 2. DISTANCE TO WET 2.		
Comme	and/5002 with the basis of the second of		

1. REQUEST FOR PULL OR PARTIAL ROLITING INFORMATION

2. DESPONSE CONTAINING NELWOOR - distance PAIR FROM SENDER3 FIB.

& OPDATE REQUEST

4. PIPDATE RESPONSE

ELADATE ACKNOWLEDGEMENT.

IP ADDRESS AND Subnet mark to anderstand

The retrook address.

