0

33304 = Mycompanion === Types of VLAM membership-1. Statie: It is the post formon and secure rothed. In this rethood we manually assign VIAN for switch port. VIANS configured in this way are usually known as point based VLANS. 2. Dynamic: In dynamic nothed, VIAMs are assigned to posts autenatically depending on the connected devices. In this Helhod we have configured one switch from the retwork as a server. This server contains the policies and is known as MMP3. OSPF stands for Open Shortest Path First. It is a nonting protocol for IP. It was the link state monting algorithm and falls in the group of interior gateway protosol. 03 PF monters share nouting information only with neighbours. It uses hello packets to discover reighbours in segrents. A hello packet contains some essential configuration values that must be save on bothe the nonters on which we want to build an OSPF relationship. The reighbourship requirements are-1. Anea ID 2. Authentivation 3. Hello and dead intervals 4- Stub flag 5. MTV size



	33304
	OSIF states are -
	1. Down Atlate
	2. Attempt / Init state
	202 MINISTER 1
	3. Two ways state
	4. Exstant state
111	5- Exchange state
	6. Loading state
	7. Full state
*	038F Metric Cost -
	Logically a parket will face more overhead in crossing
	a 56 Kbps social link than prossing a 100 Mbps ethernot
	link - OSPF uses this logic to calculate this cost
	~ C3H
	Cost = Reference bandwidth / Interface bandwidth
1.5	bps -
	v record gripher are to the first of the
	NAT →
	There are several situations where we need address
	translations such as a network which does not have
-	sufficient public IP addresses want to connect with the
0	internet; two retworks which have same IP address was
0	to runge due to slavity greasons, so as to hide
	interest To
_	Indenta Ir.
	4 Basic town wed in NAT -
	1. Imide local IP address:
	Below translation, source IP address located inside the
	local network
	After translation, source IP located outside the local
	2- Traide global IP address:  After translation , source IP located outside the local network.
	After translation, source IP located outside the local
	After translation, source IP located outside the local



33304 = Mycompanion === 3. Outside global IP address; Refore translation, destination IP address located outside the remote network. 4. Putside local IP address: After translation destination IP address located inside the nenote network. Outside local i flobal Global; local Types of NAT-1. Static : We manually assign each inside local IP with inside global IP. Since it is one to one napping we need exactly same number of TP addresses on both sides. 2- Dynamic : In this type, a pool of IPs is given and the mapping is PAT > A single inside IP address is mapped with multiple inside local TP addresses using the source port address. known as port address translation. conclusion :- Hence we have implemented VIAN , OSFF and NAT in packet tracer.