Sewe the Router quith password of SSh Det the Hostname & display name of all switches -> Go to central swarch to make it a moot bridge central (config) # spanning-tuee vlan I most primary stoot bridge 9100t secondary -> In swi #spanning-tree vlan 1 backup moot bridge - Go back to central # show spanning-tuee # interface stange fastEthornet 0/1-4 → Go to switch A configurate the ports to go from I stak to # spanning-tree portfast another immediately. # spanning; tree boduguard enable #1 +2 -> Go to " switch B Bridge Protocal Data Unit. #interface stange fastEthernet 0/1-4 # spanning-tuee portfast # spanning-tuee bodyand enable bedaguard # interface sionge fastenement 0/23-24. -> SWI poot guard prevents the port # sparming-tree guosed stoot from becoming a stoot part if it receives a superior BPDU. # interface stange fastEthernet 0/23-24 -> SWZ # spanning-tree guard root -> SWA: (Repeat same for SWB) # interface stange f 0/1-22 # suitchport mode access access configuration for # switchport mode access access configuration of at switchport port-security maximum 2 made additions enables port security maximum 2 made and which enables port security made that west its no. of which is a sitch and a security made that west its no. of which is a sitch and a security made that west its no. of which are the security made that west its no. of which are the security made that west its no. of which are the security made that west its no. of which are the security made that west its no. It suitchport port-security violation shutdown ## suatchport posit-security mac-address sticky

Pynamically control sticky devices connected to a port and securing tun

Hex Hex Hex

Jogin to SWA using parsword.

SWA# Show post-security interpare f 0/1

# conf t

# interpace stange fastfthorner 0/5 - 22

# Shutdown

Spanning tree protocol: A layer 2 network protocol.

select shoot bridge, most port

It is used to prevent looping within a n/w topology

Layer 2 switch operates at layer, of OSI i.e. Datalink layer 2 uses MAC address to determine where data goes. Switch has a table that has the details of which port is connected to which MAC address.

BPDU-Musage exchanged with between switches participating in a spanning tree protocal.

Try are used for electing the stoot bridge, determine the best path to the root bridge, and prevent network loops by managing port states.

Bridege Perotocal Data Unit