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<https://1drv.ms/f/s!AvI7wzKf6QBjgSVgicAB52AMWrK2> QUESTION 61Which statement about the use of PAgP link aggregation on a Cisco switch that is running Cisco IOS Software is true? A. PAgP modes are off, auto, desirable, and on. Only the combinations auto-desirable, desirable-desirable, and on-on allow the formation of a channel.B. PAgP modes are active, desirable, and on. Only the combinations active-desirable, desirable-desirable, and on-on allow the formation of a channel.C. PAgP modes are active, desirable, and on. Only the combinations active-active, desirable-desirable, and on-on allow the formation of a channel.D.

PAgP modes are off, active, desirable, and on. Only the combinations auto-auto, desirable-desirable, and on-on allow the formation of a channel. Answer: A QUESTION 62Refer to the exhibit. Which EtherChannel negotiation protocol is configured on the interface f0/13 ?f0/15?

```
SW1#show etherchannel summary
Flags: D - down P - in port-channel
I - stand-alone s - suspended
H - Hot-standby (LACP only)
R - Layer3 S - Layer2
U - in use f - failed to allocate aggregator
u - unsuitable for bundling
w - waiting to be aggregated
d - default port
Number of channel-groups in use: 3
Number of aggregators: 3
Group  Port-channel  Protocol    Ports
-----+-----+-----+-----
 13     Po13 (SU)        -           Fa0/13 (P) Fa0/14 (P) Fa0/15 (P)
 14     Po14 (SU)        -           Fa0/19 (P) Fa0/20 (P) Fa0/21 (P)

SW1#show interface trunk
Port Mode Encapsulation Status Native vlan
Po12 desirable n-isl trunking 1
Po13 desirable n-isl trunking 1
Po14 desirable n-isl trunking 1
Port Vlans allowed on trunk
Po12 1-4094
Po13 1-4094
Po14 1-4094
```

A. Link Combination Control ProtocolB. Port Aggregation ProtocolC. Port Combination ProtocolD. Link Aggregation Control Protocol Answer: B QUESTION 63Refer to the exhibit. Users of PC-1 experience slow connection when a webpage is requested from the server. To increase bandwidth, the network engineer configured an EtherChannel on interfaces Fa1/0 and Fa0/1 of the server farm switch, as shown here:Server_Switch#sh etherchannel load-balanceEtherChannel Load-Balancing Operational State (src-mac):Non-IP: Source MAC addressIPv4: Source MAC addressIPv6: Source IP addressServer_Switch#However, traffic is still slow. Which action can the engineer take to resolve this issue?



A. Disable EtherChannel load balancing.B. Upgrade the switch IOS to IP services image.C. Change the load-balance method to dst-mac.D. Contact Cisco TAC to report a bug on the switch. Answer: C QUESTION 64A network engineer changed the port speed and duplex setting of an existing EtherChannel bundle that uses the PAgP protocol. Which statement describes what happens to all ports in the bundle? A. PAgP changes the port speed and duplex for all ports in the bundle.B. PAgP drops the ports that do not match the configuration.C. PAgP does not change the port speed and duplex for all ports in the bundle until the switch is rebooted.D. PAgP changes the port speed but not the duplex for all ports in the bundle. Answer: A QUESTION 65Which statement about using EtherChannel on Cisco IOS switches is true? A. A switch can support up to eight compatibly configured Ethernet interfaces in an EtherChannel. The EtherChannel provides full-duplex bandwidth up to 800 Mbps only for Fast EtherChannel or 8 Gbps only for Gigabit EtherChannel.B. A switch can support up to 10 compatibly configured Ethernet interfaces in an EtherChannel. The EtherChannel provides full-duplex bandwidth up to 1000 Mbps only for Fast EtherChannel or 8

Gbps only for Gigabit EtherChannel.C. A switch can support up to eight compatibly configured Ethernet interfaces in an EtherChannel. The EtherChannel provides full-duplex bandwidth up to 800 Mbps only for Fast EtherChannel or 16 Gbps only for Gigabit EtherChannel.D. A switch can support up to 10 compatibly configured Ethernet interfaces in an EtherChannel. The EtherChannel provides full-duplex bandwidth up to 1000 Mbps only for Fast EtherChannel or 10 Gbps only for Gigabit EtherChannel. Answer: A QUESTION 66Refer to the exhibit. Which statement about switch S1 is true?

```

S1# show etherchannel summary
Flags: D - down P - bundled in port-channel
I - stand-alone s - suspended
H - Hot-standby (LACP only)
R - Layer3 S - Layer2
U - in use f - failed to allocate aggregator

M - not in use, minimum links not met
u - unsuitable for bundling
w - waiting to be aggregated
d - default port

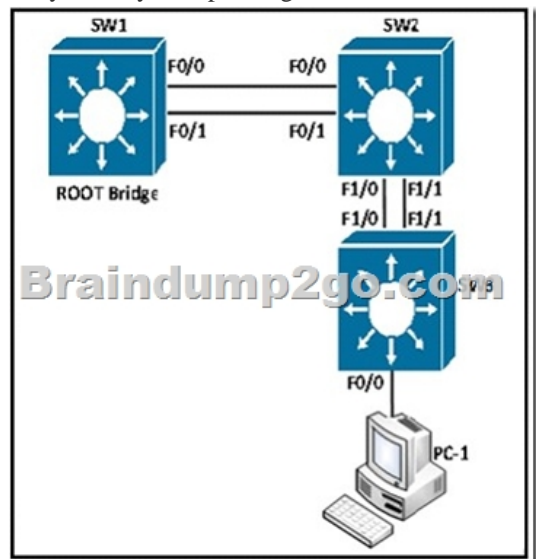
Number of channel-groups in use: 1
Number of aggregators: 1

Group Port-channel Protocol Ports
-----+-----+-----+-----+-----
 1 Po1(SU) LACP Fa0/13(P) Fa0/14(P)
    
```

A. Physical port Fa0/13, Fa0/14, and Fa0/15 successfully formed a Layer 2 port-channel interface using an open standard protocol.B. Logical port Fa0/13, Fa0/14, and Fa0/15 successfully formed a Layer 2 physical port- channel interface using a Cisco proprietary protocol.C. Physical port Fa0/13, Fa0/14, and Fa0/15 successfully formed a Layer 3 port-channel interface using a Cisco proprietary protocol.D. Logical port Fa0/13, Fa0/14, and Fa0/15 successfully formed a Layer 3 physical port- channel interface using an open standard protocol. Answer: A QUESTION 67What happens on a Cisco switch that runs Cisco IOS when an RSTP-configured switch receives 802.1d BPDU? A. 802.1d does not understand RSTP BPDUs because they are different versions, but when a RSTP switch receives an 802.1d BPDU, it responds with a 802.1d BPDU and eventually the two switches run 802.1d to communicate.B. 802.1d understands RSTP BPDUs because they are the same version, but when a RSTP switch receives a 802.1d BPDU, it responds with a 802.1d BPDU and eventually the two switches run 802.1d to communicate.C. 802.1d does not understand RSTP BPDUs because they are different versions, but when a RSTP switch receives a 802.1d BPDU, it does not respond with a 802.1d BPDU.D. 802.1d understands RSTP BPDUs because they are the same version, but when a RSTP switch receives a 802.1d BPDU, it does not respond with a 802.1d BPDU and eventually the two switches run 802.1d to communicate. Answer: A QUESTION 68When two MST instances (MST 1 and MST 2) are created on a switch, what is the total number of spanning-tree instances running on the switch? A. 1B. 2C. 3D. 4 Answer: C QUESTION 69Refer to the exhibit. f1/0 and f1/1 have the same end-to-end path cost to the designated bridge. Which action is needed to modify the Layer 2 spanning-tree network so that traffic for PC1 VLAN from switch SW3 uses switchport f1/1 as a primary port?

A. Modify the spanning-tree port-priority on SW1 f1/1 to 0 and f1/0 to 16.B. Modify the spanning-tree port-priority on SW1 f1/1 to 16 and f1/0 to 0.C. Modify the spanning-tree port-priority on SW2 f1/1 to 0 and f1/0 to 16.D. Modify the spanning-tree port-priority on SW2 f1/1 to 16 and f1/0 to 0. Answer: C QUESTION 70Refer to the exhibit. Why would the switch be considered

A. 1B. 2C. 3D. 4 Answer: C QUESTION 69Refer to the exhibit. f1/0 and f1/1 have the same end-to-end path cost to the designated bridge. Which action is needed to modify the Layer 2 spanning-tree network so that traffic for PC1 VLAN from switch SW3 uses switchport f1/1 as a primary port?



A. Modify the spanning-tree port-priority on SW1 f1/1 to 0 and f1/0 to 16.B. Modify the spanning-tree port-priority on SW1 f1/1 to 16 and f1/0 to 0.C. Modify the spanning-tree port-priority on SW2 f1/1 to 0 and f1/0 to 16.D. Modify the spanning-tree port-priority on SW2 f1/1 to 16 and f1/0 to 0. Answer: C QUESTION 70Refer to the exhibit. Why would the switch be considered

as a root bridge?

```
SW1#show spanning-tree vlan 1
VLAN0001
Spanning tree enabled protocol ieee
Root ID Priority 1
Address 001b.bbbb.dddd
This bridge is the root
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Bridge ID Priority 1 (priority 0 sys-id-ext 1)
Address 001b.bbbb.dddd
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Aging Time 300
```

Interface	Role	Sts	Cost	Prio.Nbr	Type
Fa0/1	Desg	FWD	19	128.15	P2p
Fa0/2	Desg	FWD	19	128.16	P2p
Fa0/3	Desg	FWD	19	128.17	P2p
Fa0/4	Desg	FWD	19	128.18	P2p
Fa0/5	Desg	FWD	19	128.19	P2p
Fa0/6	Desg	FWD	19	128.19	P2p

A. The bridge priority is 1 and all ports are forwarding.B. The switch priority for VLAN 1 and the macro specifies "This Bridge is the root".C. The bridge priority is 128.19 and all ports are forwarding.D. The switch priority value is zero, it has the lowest priority value for VLAN 1. Answer: D !!!RECOMMEND!!! 1.|2016 Dec. New 300-115 Exam Dumps (PDF & VCE) 230q download:<http://www.braindump2go.com/300-115.html>2.|2016 Dec. New 300-115 Exam Questions & Answers: YouTube Video: [YouTube.com/watch?v=dM4mTmskpfk](https://www.youtube.com/watch?v=dM4mTmskpfk)