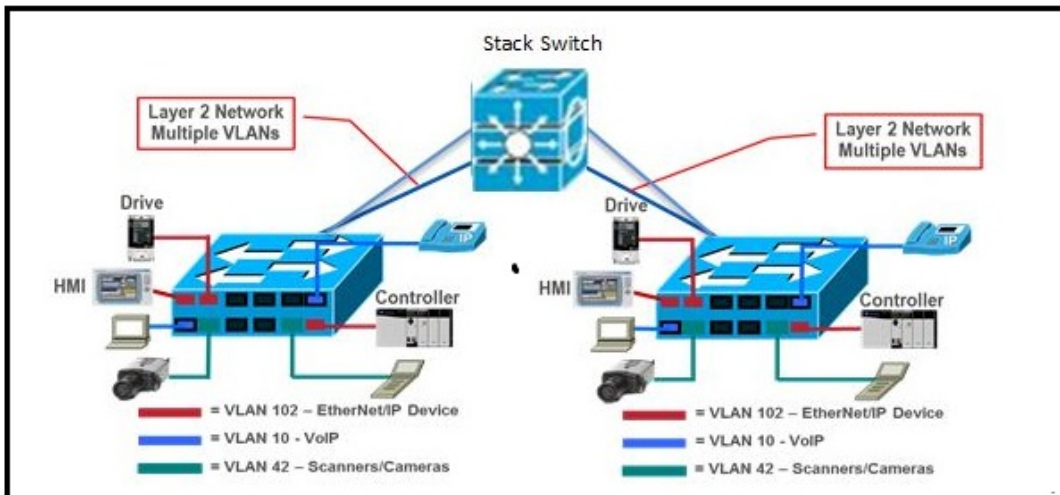# Cisco

Exam 200-601

Managing Industrial Networking for Manufacturing with Cisco Technologies

Version: 6.0

[Total Questions: 67]

Question No : 1

Refer to the exhbit. Which three elements would enable high availability and predictable performance for a motion control application spread across two switches (with video and I/O traffic)? (Choose three)

A. Configure QoS to give PTP traffic the highest priority
B. Fiber optic uplinks
C. Redundant uplinks
D. Configure QoS to give I/O traffic the highest priority
E. Copper uplinks
F. Interconnect the two switches

Answer: A,B,C

Question No : 2

Which five are characteristics that describe Cisco Industrial switches? (Choose five)

A. Din rail mount
B. 19 inch rack mount
C. Fanless
D. Fans
E. Swappable SD flash card
F. Alarm relay
G. -5ºC to 45ºC operating environment
H. ProfiNET conformance class C compliance

Answer: A,B,C,E,F

Question No : 3

Which in-depth approach is used when deploying defense in an industrial zone?

A. Besides using a dedicated firewall / DMZ construction use an IOS based firewall on the WAN router connecting the industrial site to the Internet.
B. Use NTP to make sure that time stamps of log messages are synchronized such that you can do root cause analysis.
C. Deploy an IDS solution with knowledge about industrial protocols in the industrial zone in combination with a firewall.
D. Use multiple firewalls from different vendors in such a way that network traffic will have to traverse both firewalls so that security holes of one firewall is caught by the other firewall.

Answer: C

Question No : 4

Refer to the exhibit. Which lines represent an I/O connection running at a 20ms RPI?

A. 2919, 2923, 2926
B. 2920, 2926, 2929
C. 2922, 2929, 2935
D. 2914, 2915, 2916

Answer: A

Question No : 5

Refer to the exhibit. Which lines represent a CIP connection being established between two devices?

A. 2914 and 2915
B. 2918 and 2921
C. 2920 and 2924
D. 2937 and 2940

Answer: B

Question No : 6

Refer to the exhibit.
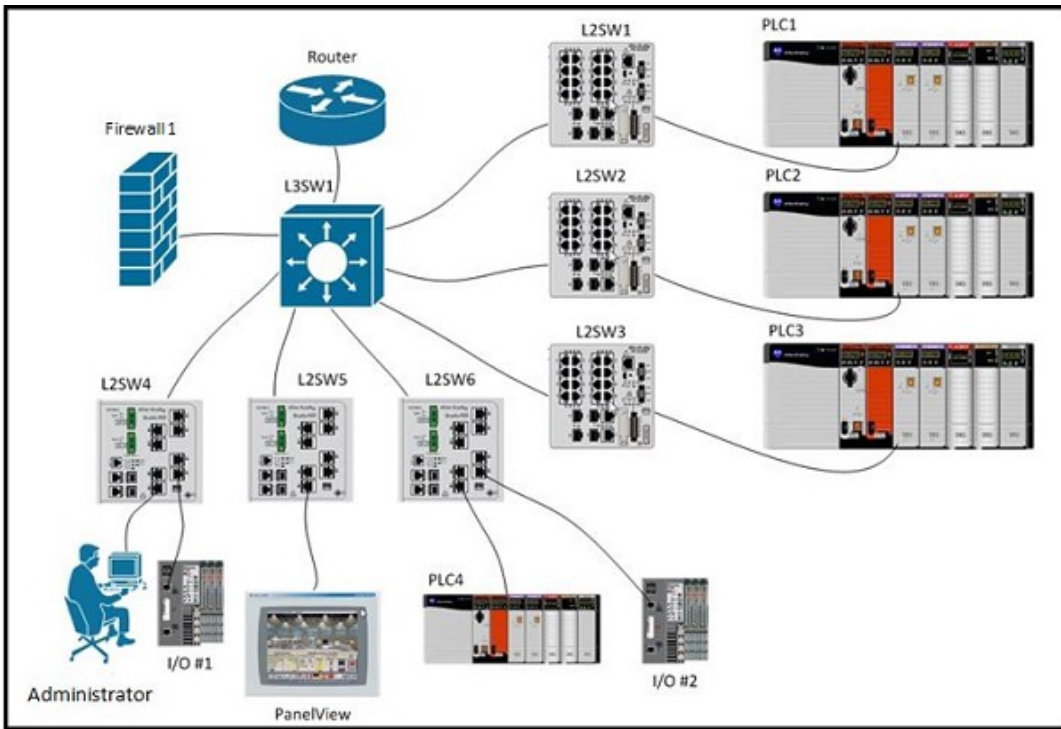
All of the vlans listed in the routing table below are trunked using 802.1q and are active on all switches. PLC1, PLC2, and PLC3 each has IP address 192.168.0.1/24 and are connected to ports configured for vlan 50. L2SW1, L2SW2, and L2SW3 are not using vlan trunking for vlan 50.

L3SW1 has following routing table:

    10.0.0.0/8 is variably subnetted, 12 subnets, 2 masks

C   10.3.138.0/23 is directly connected, Vlan307

C   10.3.136.0/23 is directly connected, Vlan306

C   10.15.153.0/24 is directly connected, Vlan398

C   10.3.142.0/23 is directly connected, Vlan309

C   10.3.140.0/23 is directly connected, Vlan308

C   10.3.186.0/23 is directly connected, Vlan293

C   10.15.154.0/24 is directly connected, Vlan399

C   10.3.184.0/23 is directly connected, Vlan292

C   10.3.190.0/23 is directly connected, Vlan295

C   10.3.188.0/23 is directly connected, Vlan294

C   10.3.182.0/23 is directly connected, Vlan291

C   10.3.180.0/23 is directly connected, Vlan290

PLC1, PLC2, and PLC3 cannot be reconfigured. What can be done to be able to simultaneously communicate with PLC1, PLC2, and PLC3?

A. Enable NAT on L3SW1
B. Enable NAT on L2SW1 – L2SW3
C. Enable NAT on L2SW4
D. Add vlan 50 to L2SW4 and assign the administrator's an IP address on 192.168.0.0/24 network

Answer: B

Question No : 7

Profinet has been disabled on a Cisco Industrial Ethernet switch, which CLI commands correctly enable ProfiNET on VLAN 10?

A. switch(config)#profinet
switch(config)#profinet vlan 10
B. switch#enable profinet
switch(config)#profinet vlan 10
C. switch(config)#profinet
switch(config)#vlan 10
switch(config-vlan)#profinet
D. switch#enable profinet
switch(config)#vlan 10
switch(config-vlan)#profinet

Answer: A

Question No : 8

A ProfiNET management system operator is unable to see diagnostic information for a Cisco Industrial Ethernet switch that has been added to a SIMATIC management station.

Based on the provided CLI output, which statement is correct?

switch# show profinet status

State   : Enabled

Vlan   : 201

Id   : IE2000-Switch

Connected : Yes

ReductRatio : 128

GSD version : Mis-match

A. The assigned ProfiNET VLAN is not valid and should be less than 100
B. LLDP has been disabled on this switch
C. The GSD file version on the switch does not match the GSD file version on the management station
D. The Reduction Ration has been set too low

Answer: C

Question No : 9

A shutdown in the cookie cutter machine was traced to a broken network cable. What are two reasons that explain why using DLR is an appropriate choice for network resiliency? (Choose two)

A. DLR is designed for single network operation at the machine level
B. Moving to a linear topology will reduce the number of cables and so reduce risk of cable failure
C. DLR is the only resiliency technology that is supported by CIP Safety
D. Layer 2 resiliency protocols like REP and RSTP do not have a fast enough convergence time for motion control
E. Half of the network traffic goes clockwise on the ring and the other half counter-clockwise, reducing by 50% the impact of cable failure

Answer: A,D

Question No : 10

Which scenario represents the correct configuration to support the SSIDs of this autonomous access point?

A.
B.
C.
D.

Answer: D

Question No : 11

Given the CIA triad elements, which ensures first that the data is encrypted and secure, second that the data is trustworthy, and third that the data is accessible by those who need it?

A. CIA
B. ICA
C. ACI
D. CAI

Answer: A

Question No : 12

Which statement is true regarding ProfiSAFE?

A. ProfiSAFE traffic must be carried on a network that is physically separated from automation traffic
B. ProfiSAFE relies on the error detection mechanisms of Ethernet and TCP/IP to determine if there are network errors
C. ProfiSAFE can be used in safety applications up to Safety Integrity Level 3 (SIL3)
D. ProfiSAFE is only used by ProfiBUS PA and ProfiBUS DA devices

Answer: C

Question No : 13

Refer to exhibit. The administrator has configured the following device IP settings, but did not keep track of which ports the devices were connected to. The administrator is able to ping each device but needs to update the network documentation to include the switch and interface where each device is connected. The administrator does not want to walk to each device and switch to track down the information.
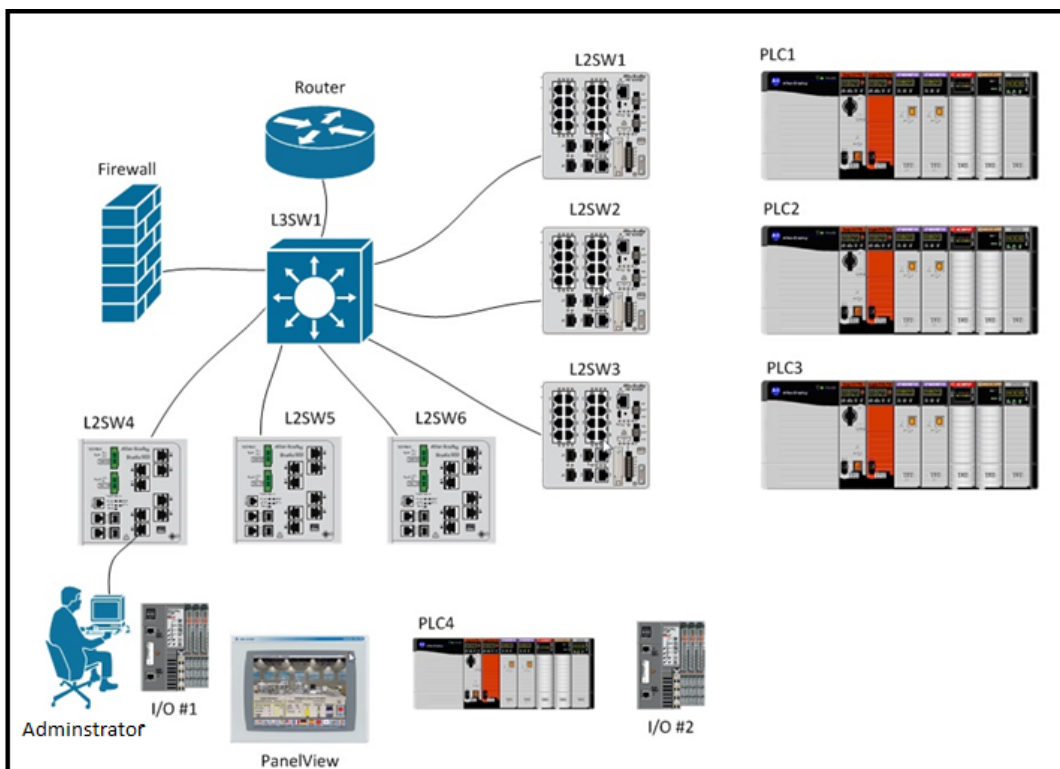
Which steps below would you execute in sequence to document the switch and interface where each device is connected?

1. View the ARP table on L3SW1

2. View the ARP table on the administrator's station

3. View the ARP table on L2SW4

4. PING all the devices

5. View the MAC address table on all switches

6. View the MAC address table on the administrator's station

A. 2,4,5
B. 2,5,4
C. 4,3,6
D. 4,1,5

Answer: D

Question No : 14

Refer to the exhibit.
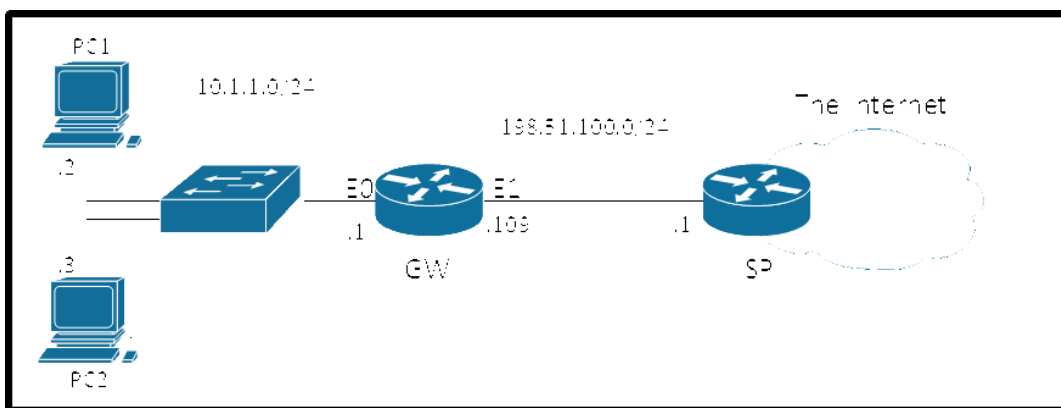
NAT has been configured on the router 'GW' and the IP addresses of router 'GW' have been configured properly. Users of PC1 and PC2 are able to ping the IP address 198.51.100.1 but are unable to reach any other IP addresses on the Internet. The ISP confirmed that their configuration is correct. Which option would likely correct the problem?

A. ip access-list extended ACL_OUTBOUND
    permit ip 10.1.1.0 0.0.0.255 any
interface Ethernet1
    ip access-group ACL_OUTBOUND out
B. interface Ethernet1
     ip nat outside
C. interface Ethernet0
    ip nat inside
D. ip route 0.0.0.0 0.0.0.0 198.51.100.1

Answer: D

Question No : 15

Refer to the exhibit.
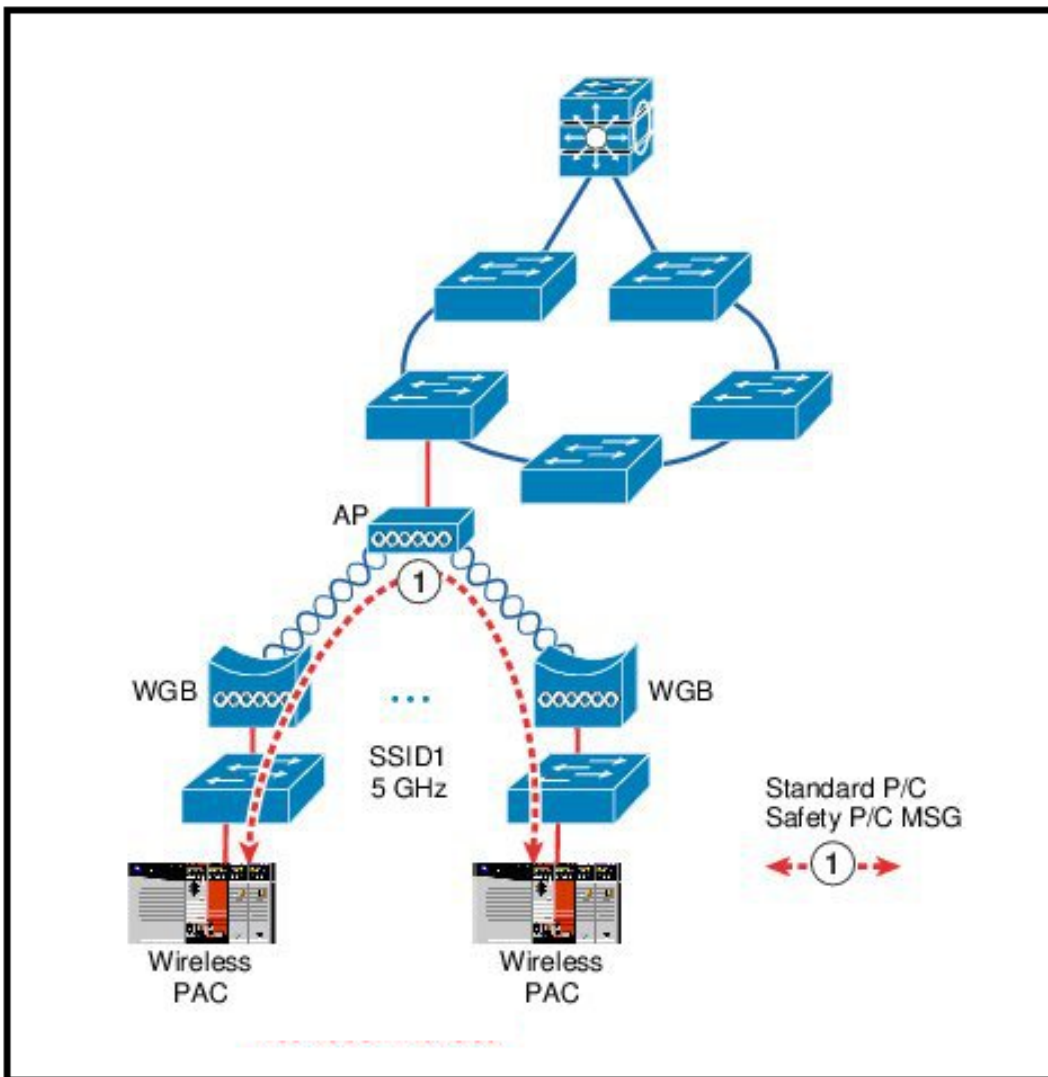
What issue does this topology present for the represented traffic flow?

A. Standard Produce/Consume traffic is not suitable for an 802.11 wireless environment.
B. Only one of the Work Group Bridges can transmit at a time, because 802.11 is half duplex.
C. The Converged Plant-wide Ethernet best practices for 802.11 wireless don't allow for PAC to PAC traffic.
D. I/O control traffic should utilize the 2.4 GHz band based on best practices.

Answer: B

Question No : 16

What security component can be deployed to increase the defense in depth and specifically can be positioned against 'man-in-the-middle' attack?

A. Deploy 802.1AE
B. Deploy 802.1X
C. Deploy 802.1Q
D. Deploy 802.1AX

Answer: A

Question No : 17

Which configuration enables an Industrial Ethernet switch to participate in PTP clock selection and sets the priority value that would break the tie between switches with matching default criteria to 50?

A. ptp mode boundary
ptp priority1 10
ptp priority2 50
B. ptp mode boundary
ptp priority1 50
ptp priority2 10
C. ptp mode e2etransparent
ptp priority1 50
ptp priority2 10
D. ptp mode e2etransparent
ptp priority1 10
ptp priority2 50

Answer: A

Question No : 18

Which CLI command will display IGMP snooping information in a Cisco IE2000 or Stratix 5700 switch?

A. switch#show snooping ip igmp
B. switch#show igmp snooping
C. switch#show ip igmp snooping

D. switch#show ip snooping

Answer: C

Question No : 19

Refer to the exhibit.
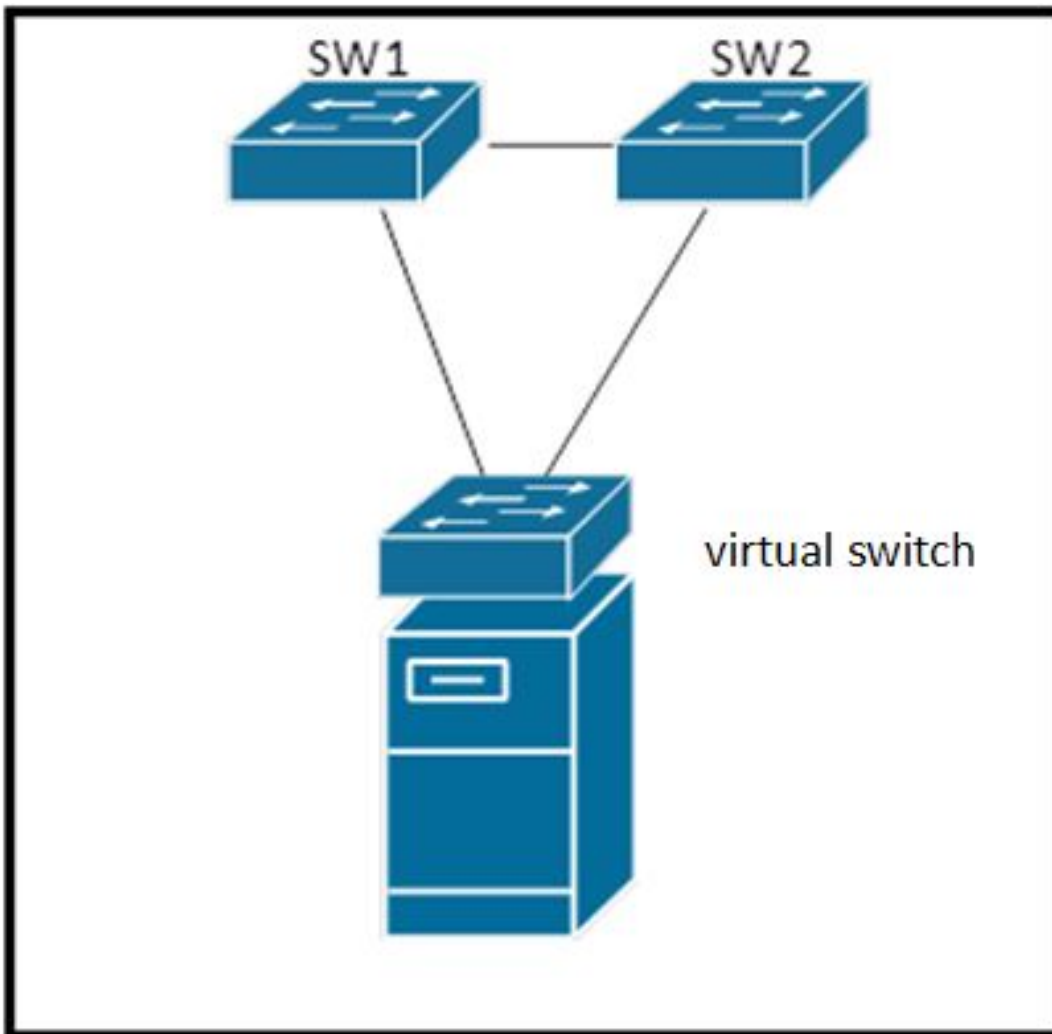
SW1, SW2 and virtual switch are connected in a loop. SW1 and SW2 are standard layer-2 switches. Which loop prevention mechanism is best suited for use within this topology?

A. Per-VLAN Rapid Spanning Tree Protocol+
B. End-Host Mode
C. Multi-chassis EtherChannel
D. BPDU Guard

Answer: B

Question No : 20

Refer to the exhibit.
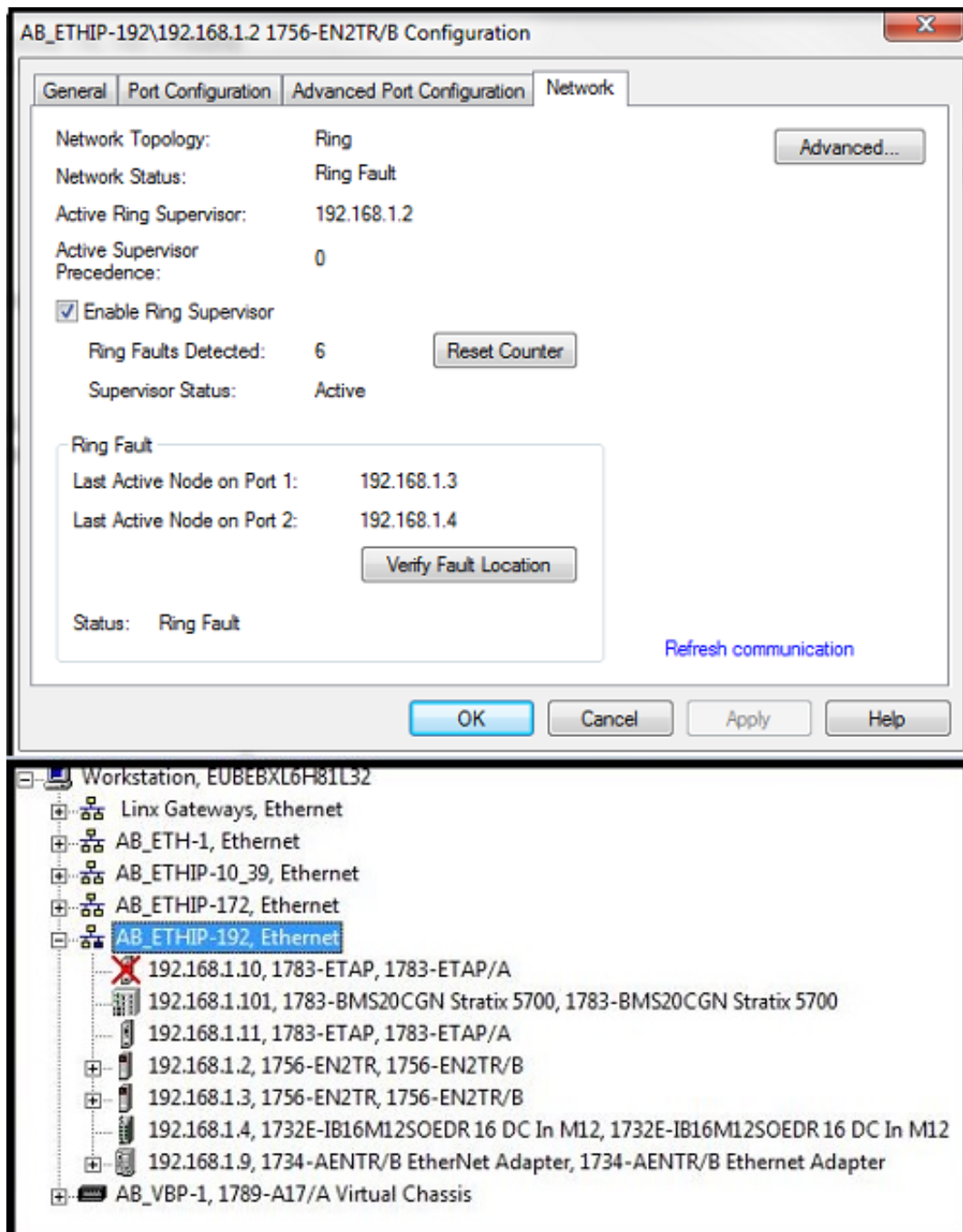
Network Faceplates have not been installed on the HMI and so you need to map a network based on information available from RSLinx. Which most accurately represents the network configuration?

Microsoft Exams List

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70-346 Dump PDF VCE	70-497 Dump PDF VCE	74-343 Dump PDF VCE	MB2-701 Dump PDF VCE
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70-411 Dump PDF VCE	70-642 Dump PDF VCE	77-601 Dump PDF VCE	MB2-713 Dump PDF VCE
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210-065 Dump PDF VCE	500-201 Dump PDF VCE	644-906 Dump PDF VCE	700-260 Dump PDF VCE
210-250 Dump PDF VCE	500-202 Dump PDF VCE	646-048 Dump PDF VCE	700-270 Dump PDF VCE
210-255 Dump PDF VCE	500-254 Dump PDF VCE	646-365 Dump PDF VCE	700-280 Dump PDF VCE
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