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H25-521_V1.0

HCSP-Presales-Datacom V1.0

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Question: 1

An energy company's data center team plans a CloudFabric network with firewalls and load balancers attached as value-added service devices in the fabric layer. The operations manager wants to know which component the design uses to manage those Huawei firewalls, so that firewall policy is orchestrated with the network rather than configured device by device.
Which component fills this role?

A. HiSec Insight, the big-data threat analytics system
B. SecoManager, a service on iMaster NCE-Fabric
C. iMaster NCE-CampusInsight, the campus network analyzer
D. A log audit system that centralizes firewall and server logs

Answer: B

Explanation:
Huawei firewalls in CloudFabric are managed by the security controller SecoManager, which runs as a service on iMaster NCE-Fabric. Because it sits with the fabric controller, firewall policy can be orchestrated together with network services instead of device by device.

Question: 2

A university's research computing team hosts dozens of servers for different research groups in a single IP subnet of its data center. A compromised server in one group must not be able to reach the servers of other groups, but re-addressing the servers into separate subnets is not acceptable, and the team wants to avoid maintaining large ACLs on every switch.
Which approach best meets these requirements?

A. Give each research group its own VLAN while keeping the single shared subnet
B. Add a border firewall policy that denies and logs traffic between research groups
C. Deploy NAC so that every server or VM authenticates and is authorized before joining
D. Microsegmentation that groups servers by IP address or VM name and applies group-based policies between the groups

Answer: D

Explanation:
Microsegmentation groups services more finely than VLAN IDs or VNIs, using IP addresses, MAC addresses or VM names, and applies policy between groups. It isolates servers inside one subnet without re-addressing and avoids sprawling per-server ACLs, restricting lateral movement.

Question: 3

A hospital's campus carries clinical IoT devices, staff laptops, personal phones and guest devices. A perimeter NGFW with IPS protects the Internet egress. During a recent incident, an infected personal phone on a ward reached an infusion-pump management server on the same floor without its traffic ever crossing the egress.
Which design change most directly closes this path?

A. Mirror ward traffic to an IDS sensor, which raises alerts on suspicious sessions
B. Authenticate every terminal at the access edge through NAC, place each terminal type in its own security group, and enforce policy between groups inside the campus
C. Move the infusion-pump management server to a new VLAN on the same gateway
D. Add a second NGFW in series at the egress, enable IPS, antivirus and URL filtering on both, and tighten egress rules

Answer: B

Explanation:
The attack never touched the perimeter, so the fix must act inside the campus. Identity-based admission at the edge plus group-to-group policy lets the design deny personal phones any path to clinical servers wherever they connect.

Question: 4

A logistics company runs a UTM device at its campus egress with intrusion prevention, antivirus, URL filtering and application control all enabled. Since the extra functions were switched on together, throughput has dropped sharply during business hours. The customer wants to keep all of these inspections.
Which firewall category resolves this specific weakness?

A. An NGFW, whose parallel processing engine removes the UTM performance bottleneck
B. A stateful inspection firewall, which tracks connections
C. A packet filtering firewall in place of the UTM, whose fast inspection restores throughput
D. An application proxy firewall, whose deep content inspection covers every function

Answer: A

Explanation:
UTM's known weakness is performance when many functions run concurrently. The NGFW answers it with a parallel processing engine while still analyzing user, application and content, so the inspections stay and throughput recovers.

Question: 5

At a manufacturing plant, HiSec Insight correlates events on one engineering workstation. The workstation first opened a malicious attachment, then began beaconing to an external server on a regular schedule. The newest alerts show it logging in to several production-line servers with stolen administrator credentials.
Which kill-chain stage do the newest alerts indicate?

A. Command and control (C&C)
B. External penetration
C. Internal diffusion
D. Data sending (exfiltration)

Answer: C

Explanation:
Using stolen credentials to reach other internal servers is lateral movement from the compromised host. HiSec Insight's kill chain calls this internal diffusion, the stage between C&C and data sending.

Question: 6

A public transport operator's ticketing offices must stay connected to headquarters if any one WAN link, carrier or edge device fails. Each office currently has one SD-WAN edge device and one Internet link from a single carrier.
Which two changes improve the offices' WAN reliability against these failures?
(Choose two.)

A. Add a second underlay link of a different type from a different carrier, such as MPLS or 5G
B. Deploy a second edge device so that each link terminates on a separate CPE
C. Add a second Internet link from the same carrier over the same access line
D. Build a second overlay tunnel over the existing Internet link to the same hub
E. Increase the bandwidth of the existing Internet link so that it is less likely to fail

Answer: A,B

Explanation:
A second link that shares neither access medium nor carrier removes the single transport point of failure. SD-WAN can run tunnels over both and move traffic when one fails, keeping the office connected.
With one CPE, a hardware or software fault isolates the office no matter how many links it has. Terminating each link on its own edge device covers the device-failure case that the requirement explicitly names.

Question: 7

A hospital group's IT department reports that a sophisticated attacker went unnoticed for months. Its firewalls and campus switches all generate logs, but nobody correlates them. The CIO wants a product

that collects traffic plus device and security logs across the network and identifies APT activity with big data analytics and machine learning.
Which Huawei product matches this requirement?

A. iMaster NCE-CampusInsight, the campus network analyzer
B. An NGFW with an updated static signature library
C. HiSec Insight, the big-data-based advanced threat analytics system
D. iMaster NCE-Campus, the campus network management system

Answer: C

Explanation:
HiSec Insight is Huawei's big-data-based APT defense product. It collects traffic and device and security logs network-wide and applies big data analytics and machine learning, which is precisely the correlation the hospital group lacks.

Question: 8

A small family-owned hotel with one IT generalist asks a partner for a full network security situational awareness system after reading about one in the press. Its network is a single site with a few dozen users, and the owner has a modest budget.
What should the presales engineer recommend?

A. A full situational awareness system scaled down to one site
B. A dedicated SOC with a SOAR platform and custom playbooks
C. A single integrated, simpler security product
D. A full system with every situation view enabled from day one

Answer: C

Explanation:
Huawei positions full situational awareness systems mainly for large and midsize organizations because they are complex and costly. A small business is better served by a single integrated product that one generalist can operate.

Question: 9

A regional retail chain is opening 120 small stores, each with a few switches and access points. The stores have no IT staff, and the chain's small central team wants to manage every store from one place without building a server room at any site.
Which campus design best fits this requirement?

A. An on-premises controller deployed in every store, with a regional engineer visiting each site to maintain it
B. A cloud-managed campus, with store switches and access points managed from a cloud-hosted controller

C. A three-tier VLAN design in every store, with access, aggregation and core switches and gateways on the core
D. Standalone devices, each configured locally through its own web interface

Answer: B

Explanation:
Cloud management suits many small, dispersed sites: devices reach a cloud-hosted controller over the Internet, so no server room or local expert is needed and one central team can operate every store from a single management point.

Question: 10

A national logistics operator runs two data centers in cities several hundred kilometers apart. Each site already has its own cloud platform and its own iMaster NCE-Fabric, and the operations teams want each site to remain an independent fault and management domain while selected services interwork across sites.
Which DCI approach fits these constraints?

A. Segment VXLAN, with DCI gateways joining two independent VXLAN domains
B. E2E VXLAN, extending one VXLAN domain and one controller across both sites
C. Multi-POD, treating each site as one POD under a single shared controller
D. A VLAN stretched between the two sites' core switches

Answer: A

Explanation:
Segment VXLAN keeps each site as its own VXLAN domain with its own cloud platform and iMaster NCE-Fabric, joined through DCI gateways. Cross-site services are orchestrated by an upper-layer cloud management platform.

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