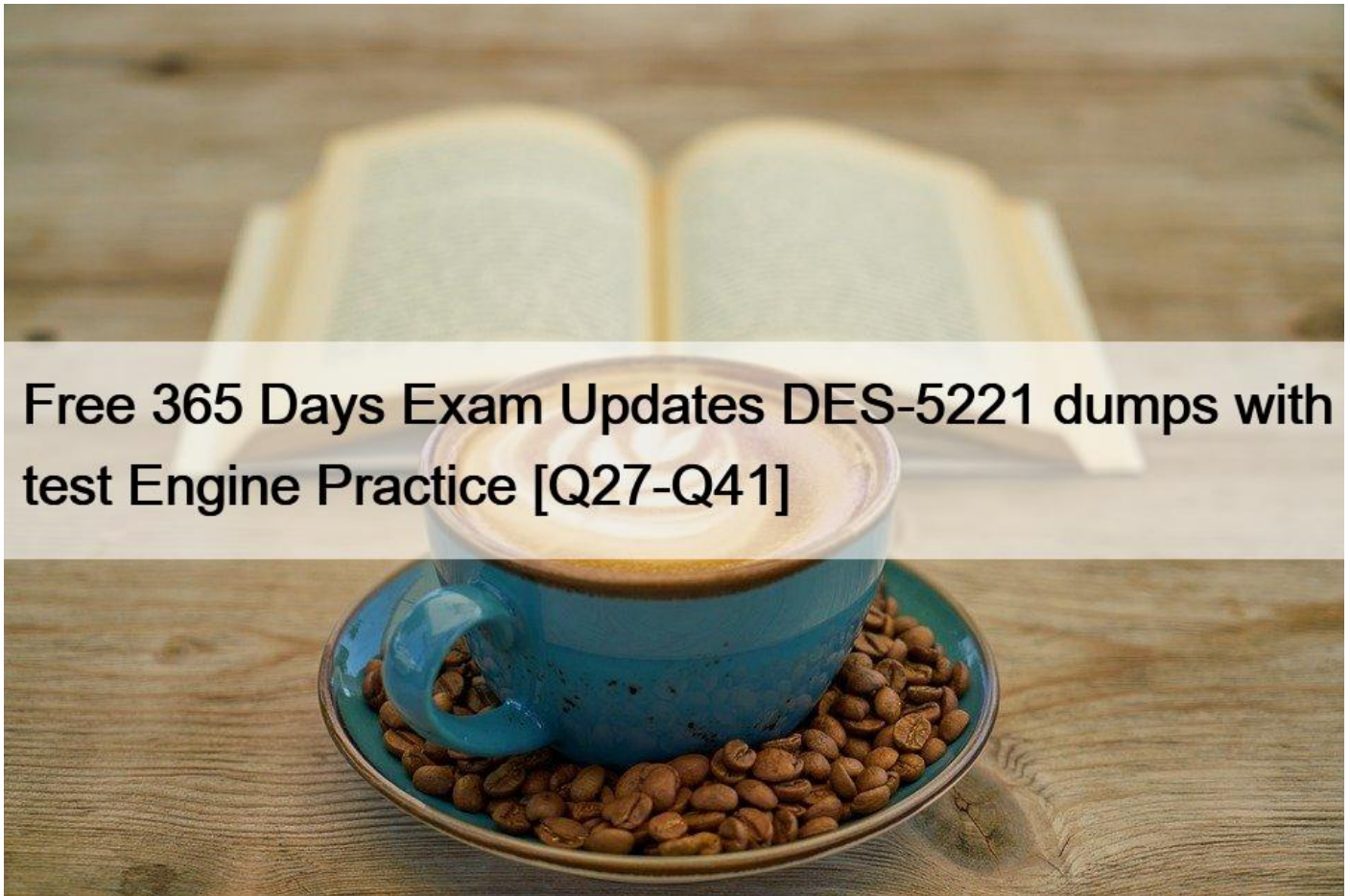


## Free 365 Days Exam Updates DES-5221 dumps with test Engine Practice [Q27-Q41]



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Understanding functional and technical aspects of Specialist - Implementation Engineer, Data Center Networking Version 1.0 Discovery Protocols

The following will be discussed in **DELL DES-5221 exam dumps**:

- identify design best practices when configuring BGP in a leaf/spine environment; configure and validate BGP; Describe the operations and use cases for ECMP; configure and validate ECMP- Describe the characteristics of discovery protocols; describe uses cases for using discovery protocols; explain how to configure and validate. Configure discovery protocols; interpret LLDP outputs- Policy-Based Routing- Explain operations of BGP- Open Shortest Path First - describe OSPF operation, and core components; configure and validate OSPF using; interpret OSPF show commands; describe the operations and use cases for ECMP; test inter-VLAN routing

Certification Path for Specialist - Implementation Engineer, Data Center Networking Version 1.0

Specialist - Implementation Engineer, Data Center Networking Version 1.0 is an advanced exam.

To complete the requirements for this certification you must achieve one of the following credentials:

- Dell Certified Associate - Networking- Dell Certified Professional - Networking- Associate - Networking Version 1.0

Successful exam provides candidates with the Specialist - Implementation Engineer, Data Center Networking credential.

## Understanding functional and technical aspects of Specialist - Implementation Engineer, Data Center Networking Version 1.0 Layer-2 Technologies and Protocols

The following will be discussed in **DELL DES-5221 exam dumps**:

- Virtual Lans - Identify the characteristics of a VLAN; explain the differences between tagged and untagged frames; configure VLAN trunking; configure VLAN Port membership; verify trunking and Port Membership; troubleshoot VLANs- Spanning-tree Protocol- Identify the operations and use cases for STP; Configure and validate RSTP/MSTP/RSTP-PV; Manipulate spanning tree root bridge and port cost configurations- Identify the operations and use cases for LAGs; configure, verify, and trouble shoot static LAGs; configure, verify, and troubleshoot dynamic LAGs- Link Aggregation Groups

### QUESTION 27

From which range can a network administrator choose when setting the RSTP priority value?

- \* 1-6400
- \* 0-61440
- \* 0-614400
- \* 1-64

Explanation/Reference: <https://www.dell.com/support/article/en-my/how10394/how-to-manage-rapid-spanning-tree-rstp-thru-command-line-on-dell-networking-powerconnect-switches?lang=en>

### QUESTION 28

At which layer does LLDP operate?

- \* 1
- \* 3
- \* 2
- \* 4

### QUESTION 29

Which type of protocol is OSPF and what metric does it use to determine best path?

- \* Link-state protocol that uses a concept of cost as metric
- \* Hybrid protocol that uses hop count as a metric
- \* Path vector protocol that uses the Dijkstra algorithm as a metric
- \* Distance Vector protocol that uses bandwidth and delay as metric

### QUESTION 30

When creating an alias in OS10 what is the maximum number of variable input parameters that can be defined?

- \* 6
- \* 9
- \* 3
- \* 12

Reference:

[https://topics-cdn.dell.com/pdf/networking-s5148f-on\\_connectivity-guide4\\_en-us.pdf](https://topics-cdn.dell.com/pdf/networking-s5148f-on_connectivity-guide4_en-us.pdf) page 51

### QUESTION 31

Which commands are required to properly configure an OS10 switch to run OSPF on eth1/1/3 and to add network 144.254.1.0/30 to

OSPF area 0?

```
* OS10(config)# interface ethernet 1/1/3 OS10(config-if-eth1/1/3)# no shutdown OS10(config-if-eth1/1/3)# no switchport
OS10(config-if-eth1/1/3)# ip address 144.254.1.2/30 OS10(config-if-eth1/1/3)# ip ospf 1 area 0.0.0.0 OS10(config)# router ospf 1
* OS10(config)# router ospf 1
```

```
OS10(config-router-ospf-1)# router-id 1.1.1.1 OS10(config)# interface ethernet 1/1/3 OS10(config-if-eth1/1/3)# no shutdown
OS10(config-if-eth1/1/3)# no switchport OS10(config-if-eth1/1/3)# ip ospf 1 area 0.0.0.0
* OS10(config)# interface ethernet 1/1/3 OS10(config-if-eth1/1/3)# no shutdown OS10(config-if-eth1/1/3)# ip address 144.254.1.2/30
OS10(config-if-eth1/1/3)# no switchport OS10(config-if-eth1/1/3)# ip ospf 1 area 0.0.0.0 OS10(config)# router ospf 1
* OS10(config)# interface ethernet 1/1/3 OS10(config-if-eth1/1/3)# no shutdown OS10(config-if-eth1/1/3)# ip address 144.254.1.2/30
OS10(config-if-eth1/1/3)# no switchport OS10(config-if-eth1/1/3)# ip ospf 1 area 0.0.0.0 OS10(config-if-eth1/1/3)# router ospf 1
```

### QUESTION 32

What is a valid OS10 iBGP configuration?

```
* S2(config)# router bgp 64507
```

```
S2(config-router-bgp-64507)# peer-as 64507
```

```
S2(config-router-bgp-64507)# neighbor 192.168.32.1 S2(config-router-neighbor)# update-source loopback 0
S2(config-router-neighbor)# no shutdown
* S2(config)# router bgp 64507
```

```
S2(config-router-bgp-64507)# neighbor 192.168.32.1
```

```
S2(config-router-bgp-64507)# remote-as 64507 S2(config-router-bgp-64507)# update-source loopback 0
S2(config-router-bgp-64507)# no shutdown
* S2(config)# router bgp 64507
```

```
S2(config-router-bgp-64507)# neighbor 192.168.32.1
```

```
S2(config-router-neighbor)# remote-as 64507 S2(config-router-neighbor)# update-source loopback 0 S2(config-router-neighbor)#
no shutdown
* S2(config)# router bgp 64507
```

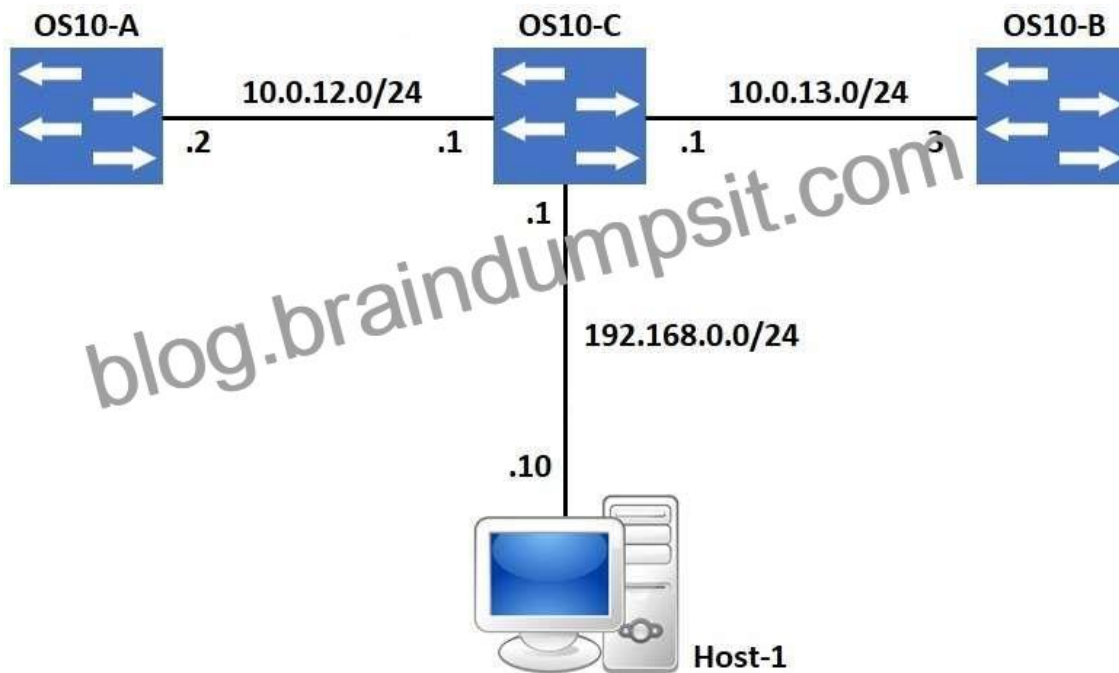
```
S2(config-router-bgp-64507)# remote-as 64507
```

```
S2(config-router-bgp-64507)# neighbor 192.168.32.1 S2(config-router-neighbor)# update-source loopback 0
S2(config-router-neighbor)# no shutdown
```

Reference:

[https://www.dell.com/support/manuals/us/en/04/networking-z9100/os10-enterprise-user-guide-10\\_4\\_1-pub/enable-bgp?guid=guid-5c64be15-4ebd-4372-a442-67f47b0f14e5&lang=en-us](https://www.dell.com/support/manuals/us/en/04/networking-z9100/os10-enterprise-user-guide-10_4_1-pub/enable-bgp?guid=guid-5c64be15-4ebd-4372-a442-67f47b0f14e5&lang=en-us)

### QUESTION 33



Refer to the exhibit.

A default route exists on OS10-C that points all internet traffic towards 10.0.13.3 on OS10-B. A network administrator needs to re-route internet traffic only sourced from Host-1 to 10.0.12.2 on OS10-A instead. What feature can the administrator implement to accomplish this goal?

- \* Static Default Routing
- \* OSPF Cost Manipulation
- \* Source-Based Routing
- \* Policy-Based Routing

#### QUESTION 34

To which IEEE standard are dynamic LAGs compliant on Dell EMC Networking OS10 switches?

- \* 802.3af
- \* 802.3ad
- \* 802.3ac
- \* 802.3ae

#### QUESTION 35

Which router types are contained in a single-area OSPF implementation?

- \* Stub router and ABR
- \* ABR and ASBR
- \* Internal router and ASBR
- \* Backbone router and Internal router

#### QUESTION 36

Which LSA type contains information about routes redistributed into OSPF?

- \* 3
- \* 10
- \* 5
- \* 8

### QUESTION 37

DRAG DROP

Match the QoS terms to their descriptions.

Select and Place:

#### Answer Area

TERMS:	DESCRIPTIONS:
Transmission control	Bandwidth management technique used to delay some or all the packets to bring them into compliance with a specific flow rate
Traffic shaping	Provides path redundancy and lower over subscription ratios
Prioritization	Mechanism that controls the flow of data sent to the network
Load balancing	Optimizes performance metrics
Scheduling	Classifies flows based on their priorities and treating them accordingly can improve performance

#### Answer Area

TERMS:	DESCRIPTIONS:
Transmission control	Traffic shaping
Traffic shaping	Load balancing
Prioritization	Transmission control
Load balancing	Scheduling
Scheduling	Prioritization

### QUESTION 38

Refer to the exhibit.

```
OS10-A# show vrrp 100
```

```
Interface          : vlan100          IPv4 VRID          : 100
Version           : 2              State              : master-state
Primary IP        : 10.0.100.1     Master IP          : 10.0.100.2
Virtual MAC       : 00:00:5e:00:01:64  Accept Mode       : true
Admin Priority     : 110           Operational Priority : 110
Advertise Interval (in secs) : 1              Hold Time          : 0

Preempt Status    : raise
Virtual IP address : 10.0.100.1

master-transitions      : 1          advertise-rcvd      : 2
advertise-interval-errors : 0      ip-ttl-errors       : 0
priority-zero-pkts-rcvd  : 0      priority-zero-pkts-sent : 0
invalid-type-pkts-rcvd  : 0      address-list-errors  : 0
pkt-length-errors       : 0
```

What is the VRRP state of OS10-A after a router with a default VRRP admin priority with VRID100 comes online?

- \* master-state
- \* standby-state
- \* backup-state
- \* primary-state

### QUESTION 39

What are the correct steps to configure a static LAG on a Dell Networking OS10 switch?

- \* interface port-channel 4

channel-group 4 mode passive

interface range ethernet 1/1/14-1/1/15

channel-group 4 mode on

- \* interface port-channel 4

channel-group 4 mode on

interface range ethernet 1/1/14-1/1/15

channel-group 4 mode passive

- \* interface port-channel 4

no shutdown

interface range ethernet 1/1/14-1/1/15

channel-group 4 mode on

- \* interface port-channel 4

no shutdown

interface range ethernet 1/1/14-1/1/15

channel-group 4 mode active

#### QUESTION 40

What is a valid OS10 iBGP configuration?

\* S2(config)# router bgp 64507

S2(config-router-bgp-64507)# peer-as 64507

S2(config-router-bgp-64507)# neighbor 192.168.32.1

S2(config-router-neighbor)# update-source loopback 0

S2(config-router-neighbor)# no shutdown

\* S2(config)# router bgp 64507

S2(config-router-bgp-64507)# neighbor 192.168.32.1

S2(config-router-bgp-64507)# remote-as 64507

S2(config-router-bgp-64507)# update-source loopback 0

S2(config-router-bgp-64507)# no shutdown

\* S2(config)# router bgp 64507

S2(config-router-bgp-64507)# neighbor 192.168.32.1

S2(config-router-neighbor)# remote-as 64507

S2(config-router-neighbor)# update-source loopback 0

S2(config-router-neighbor)# no shutdown

\* S2(config)# router bgp 64507

S2(config-router-bgp-64507)# remote-as 64507

S2(config-router-bgp-64507)# neighbor 192.168.32.1

S2(config-router-neighbor)# update-source loopback 0

S2(config-router-neighbor)# no shutdown

Explanation/Reference: [https://www.dell.com/support/manuals/us/en/04/networking-z9100/os10-enterprise-user-guide-10\\_4\\_1-pub/enable-bgp?guid=guid-5c64be15-4ebd-4372-a442-67f47b0f14e5&lang=en-us](https://www.dell.com/support/manuals/us/en/04/networking-z9100/os10-enterprise-user-guide-10_4_1-pub/enable-bgp?guid=guid-5c64be15-4ebd-4372-a442-67f47b0f14e5&lang=en-us)

## QUESTION 41

The network administrator wants to configure RADIUS authentication for VTY access, and for console access to use the local configuration. Which two commands should be used to achieve this goal?

- \* aaa authentication login vty group radius aaa authentication login console local
- \* aaa authentication login default group radius aaa authentication login console local
- \* aaa authentication login vty radius

aaa authentication login console group local

- \* aaa authentication login default group radius aaa authentication login console group local

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