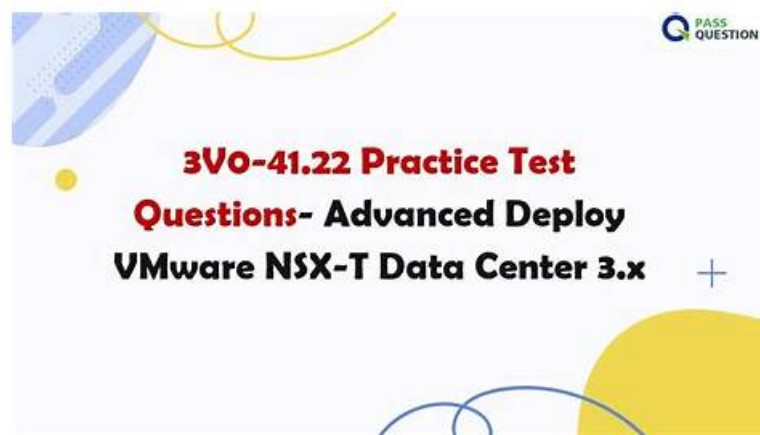


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VMware Advanced Deploy VMware NSX-T Data Center 3.X Sample Questions (Q13-Q18):

NEW QUESTION # 13

Task 5

You are asked to configure a micro-segmentation policy for a new 3-tier web application that will be deployed to the production environment.

You need to:

• Configure Tags with the following configuration detail:

| Tag Name | Member |
|------------|---|
| Boston | Boston-web-01a, Boston-web-02a, Boston-app-01a, Boston-db-01a |
| Boston-Web | Boston-web-01a, Boston-web-02a |
| Boston-App | Boston-app-01a |
| Boston-DB | Boston-db-01a |

• Configure Security Groups (use tags to define group criteria) with the following configuration detail:

| |
|--------------------|
| Boston |
| Boston Web-Servers |
| Boston App-Servers |
| Boston DB-Servers |

• Configure the Distributed Firewall Exclusion List with the following configuration detail:

| | |
|------------------|--------|
| Virtual Machine: | core-A |
|------------------|--------|

• Configure Policy & DFW Rules with the following configuration detail:

| | |
|---------------|------------------------|
| Policy Name: | Boston-Web-Application |
| Applied to: | Boston |
| New Services: | TCP-8443, TCP-3051 |

• Policy detail:

| Rule Name | Source | Destination | Service | Action |
|------------|--------------------|--------------------|------------|--------|
| Any-to-Web | Any | Boston Web-Servers | HTTP,HTTPS | ALLOW |
| Web-to-App | Boston Web-Servers | Boston App-Servers | TCP-8443 | ALLOW |
| App-to-DB | Boston App-Servers | Boston DB-Servers | TCP-3051 | ALLOW |

Notes:

Passwords are contained in the user_readme.txt. Do not wait for configuration changes to be applied in this task as processing may take some time.

The task steps are not dependent on one another. Subsequent tasks may require completion of this task. This task should take approximately 25 minutes to complete.

Answer:

Explanation:

See the Explanation part of the Complete Solution and step by step instructions.

NEW QUESTION # 14

Task 1

You are asked to prepare a VMware NSX-T Data Center ESXi compute cluster Infrastructure. You will prepare two ESXi servers in a cluster for NSX-T overlay and VLAN use.

All configuration should be done using the NSX UI.

* NOTE: The configuration details in this task may not be presented to you in the order in which you must complete them.

* Configure a new Transport Node profile and add one n-VDS switch. Ensure Uplink 1 and Uplink 2 of your configuration use vmnic2 and vmnic3 on the host.

Configuration detail:

| | |
|--------------------|-------------------------------------|
| Name: | RegionA01-COMP01-TNP |
| Type: | n-VDS switch |
| Mode: | standard |
| n-VDS Switch Name: | N-VDS-1 |
| Transport Zones: | TZ-Overlay-1 and TZ-VLAN-1 |
| NIOC profile: | new-default-nioc-hostswitch-profile |
| Uplink Profile: | RegionA01-COMP01-UP |
| LLDP Profile: | LLDP [send packet disabled] |
| IP Assignment: | TEP-Pool-02 |

Hint: The Transport Zone configuration will be used by another administrator at a later time.

• Configure a new VLAN backed transport zone.

Configuration detail:

• Configure a new uplink profile for the ESXi servers.

Configuration detail:

| | |
|------------------|---------------------|
| Name: | RegionA01-COMP01-UP |
| Teaming Policy: | Load Balance source |
| Active adapters: | Uplink1 and Uplink2 |
| Transport VLAN: | 0 |

• Configure a new IP Pool for ESXi overlay traffic with

Configuration detail:

| | |
|---------------------|---------------------------------|
| Name: | TEP-Pool-02 |
| IP addresses range: | 192.168.130.71 - 192.168.130.74 |
| CIDR: | 192.168.130.0/24 |
| Gateway: | 192.168.130.1 |

• Take the new transport node profile, associate ESXi hosts RegionA01-COMP01 for NSX Overlay and VLAN use.

Complete the requested task.

NOTE: Passwords are contained in the user_readme.txt. Configuration details may not be provided in the correct sequential order. Steps to complete this task must be completed in the proper order. Other tasks are dependent on the completion Of this task. You may want to move to other tasks/steps while waiting for configuration changes to be applied. This task should take approximately 20 minutes to complete.

Answer:

Explanation:

See the Explanation part of the Complete Solution and step by step instructions.

Explanation

To prepare a VMware NSX-T Data Center ESXi compute cluster infrastructure, you need to follow these steps:

Log in to the NSX Manager UI with admin credentials. The default URL is

<https://<nsx-manager-ip-address>>.

Navigate to System > Fabric > Profiles > Transport Node Profiles and click Add Profile.

Enter a name and an optional description for the transport node profile.

In the Host Switches section, click Set and select N-VDS as the host switch type.

Enter a name for the N-VDS switch and select the mode as Standard or Enhanced Datapath, depending on your requirements.

Select the transport zones that you want to associate with the N-VDS switch. You can select one overlay transport zone and one or more VLAN transport zones.

Select an uplink profile from the drop-down menu or create a custom one by clicking New Uplink Profile.

In the IP Assignment section, select Use IP Pool and choose an existing IP pool from the drop-down menu or create a new one by clicking New IP Pool.

In the Physical NICs section, map the uplinks to the physical NICs on the host. For example, map Uplink 1 to vmnic2 and Uplink 2 to vmnic3.

Click Apply and then click Save to create the transport node profile.

Navigate to System > Fabric > Nodes > Host Transport Nodes and click Add Host Transport Node.

Select vCenter Server as the compute manager and select the cluster that contains the two ESXi servers that you want to prepare for NSX-T overlay and VLAN use.

Select the transport node profile that you created in the previous steps and click Next.

Review the configuration summary and click Finish to start the preparation process.

The preparation process may take some time to complete. You can monitor the progress and status of the host transport nodes on the Host Transport Nodes page. Once the preparation is complete, you will see two host transport nodes with a green status icon and a Connected state. You have successfully prepared a VMware NSX-T Data Center ESXi compute cluster infrastructure using a transport node profile.

NEW QUESTION # 15

Task 15

You have been asked to enable logging so that the global operations team can view in vRealize Log Insight that their Service Level Agreements are being met for all network traffic that is going in and out of the NSX environment. This NSX environment is an Active / Active two Data Center design utilizing N-VDS with BCP.

You need to ensure successful logging for the production NSX-T environment.

You need to:

Verify via putty with SSH that the administrator can connect to all NSX-Transport Nodes. You will use the credentials identified in Putty (admin).

Verify that there is no current active logging enabled by reviewing that directory is empty `-/var/log/syslog-`

Enable NSX Manager Cluster logging

Select multiple configuration choices that could be appropriate success criteria Enable NSX Edge Node logging Validate logs are generated on each selected appliance by reviewing the `"/var/log/syslog"` Complete the requested task.

Notes: Passwords are contained in the user `_readme.txt`. complete.

These task steps are dependent on one another. This task should take approximately 10 minutes to complete.

Answer:

Explanation:

See the Explanation part of the Complete Solution and step by step instructions.

Explanation

To enable logging for the production NSX-T environment, you need to follow these steps:

Verify via putty with SSH that the administrator can connect to all NSX-Transport Nodes. You can use the credentials identified in Putty (admin) to log in to each transport node. For example, you can use the following command to connect to the `sfo01w01en01` edge transport node: `ssh admin@sfo01w01en01`.

You should see a welcome message and a prompt to enter commands.

Verify that there is no current active logging enabled by reviewing that directory is empty

`-/var/log/syslog-`. You can use the `ls` command to list the files in the `/var/log/syslog` directory. For example, you can use the following command to check the `sfo01w01en01` edge transport node: `ls`

`/var/log/syslog`. You should see an empty output if there is no active logging enabled.

Enable NSX Manager Cluster logging. You can use the `search_web("NSX Manager Cluster logging configuration")` tool to find some information on how to configure remote logging for NSX Manager Cluster. One of the results is `NSX-T Syslog Configuration`

Revisited - vDives, which provides the following steps:

Navigate to `System > Fabric > Profiles > Node Profiles` then select `All NSX Nodes` then under `Syslog Servers` click `+ADD` Enter the IP or FQDN of the syslog server, the Port and Protocol and the desired Log Level then click `ADD` Select multiple configuration choices that could be appropriate success criteria. You can use the `search_web("NSX-T logging success criteria")` tool to find some information on how to verify and troubleshoot logging for NSX-T. Some of the possible success criteria are:

The syslog server receives log messages from all NSX nodes

The log messages contain relevant information such as timestamp, hostname, facility, severity, message ID, and message content The log messages are formatted and filtered according to the configured settings The log messages are encrypted and authenticated if using secure protocols such as TLS or LI-TLS Enable NSX Edge Node logging. You can use the `search_web("NSX Edge Node logging configuration")` tool to find some information on how to configure remote logging for NSX Edge Node.

One of the results is `Configure Remote Logging - VMware Docs`, which provides the following steps:

Run the following command to configure a log server and the types of messages to send to the log server. Multiple facilities or message IDs can be specified as a comma delimited list, without spaces.

```
set logging-server <hostname-or-ip-address [:port]> proto <proto> level <level> [facility <facility>]
[messageid <messageid>] [serverca <filename>] [clientca <filename>] [certificate <filename>] [key
<filename>] [structured-data <structured-data>]
```

Validate logs are generated on each selected appliance by reviewing the `"/var/log/syslog"`. You can use the `cat` or `tail` commands to view the contents of the `/var/log/syslog` file on each appliance. For example, you can use the following command to view the last 10 lines of the `sfo01w01en01` edge transport node: `tail -n 10 /var/log/syslog`. You should see log messages similar to this:

```
2023-04-06T12:34:56+00:00 sfo01w01en01 user.info nsx-edge[1234]: 2023-04-06T12:34:56Z nsx-edge[1234]: INFO:
[nsx@6876 comp="nsx-edge" subcomp="nsx-edge" level="INFO" security="False"] Message from nsx-edge You have
successfully enabled logging for the production NSX-T environment.
```

NEW QUESTION # 16

SIMULATION

Task 9

TO prepare for Virtual machine migration from VLAN-backed port groups to an overlay segment in NSX, a test bridge has been configured. The bridge is not functioning, and the `-Bridge-VM-` is not responding to ICMP requests from the main console.

You need to:

* Troubleshoot the configuration and make necessary changes to restore access to the application.

Complete the requested task.

Notes: Passwords are contained in the user `_readme.txt`. This task is not dependent on another. This task should take approximately 15 minutes to complete.

Answer:

Explanation:

See the Explanation part of the Complete Solution and step by step instructions Explanation:

To troubleshoot the bridge configuration and restore access to the application, you need to follow these steps:

Log in to the NSX Manager UI with admin credentials. The default URL is <https://<nsx-manager-ip-address>>.

Navigate to Networking > Segments and select the overlay segment that is bridged to the VLAN-backed port group. For example, select Web-01 segment that you created in Task 2.

Click Bridge > Set and verify the configuration details of the bridge. Check for any discrepancies or errors in the parameters such as bridge name, bridge ID, VLAN ID, edge node, etc.

If you find any configuration errors, click Edit and modify the parameters accordingly. Click Save to apply the changes.

If you do not find any configuration errors, check the connectivity and firewall rules between the overlay segment and the VLAN-backed port group. You can use ping or traceroute commands from the NSX Edge CLI or the vSphere Web Client to test the connectivity. You can also use show service bridge command to check the status of the bridge service on the NSX Edge.

If you find any connectivity or firewall issues, resolve them by adjusting the network settings or firewall rules on the NSX Edge or the vSphere Distributed Switch.

After resolving the issues, verify that the bridge is functioning and the Bridge-VM is responding to ICMP requests from the main console. You can also check the MAC addresses learned by the bridge on both sides of the network using show service bridge mac command on the NSX Edge CLI.

NEW QUESTION # 17

SIMULATION

Task 15

You have been asked to enable logging so that the global operations team can view in vRealize Log Insight that their Service Level Agreements are being met for all network traffic that is going in and out of the NSX environment. This NSX environment is an Active / Active two Data Center design utilizing N-VDS with BCP. You need to ensure successful logging for the production NSX-T environment.

You need to:

Verify via putty with SSH that the administrator can connect to all NSX-Transport Nodes. You will use the credentials identified in Putty (admin).

Verify that there is no current active logging enabled by reviewing that directory is empty `~/var/log/syslog`. Enable NSX Manager Cluster logging Select multiple configuration choices that could be appropriate success criteria Enable NSX Edge Node logging Validate logs are generated on each selected appliance by reviewing the `~/var/log/syslog` Complete the requested task.

Notes: Passwords are contained in the user `_readme.txt`. complete.

These task steps are dependent on one another. This task should take approximately 10 minutes to complete.

Answer:

Explanation:

See the Explanation part of the Complete Solution and step by step instructions Explanation:

To enable logging for the production NSX-T environment, you need to follow these steps:

Verify via putty with SSH that the administrator can connect to all NSX-Transport Nodes. You can use the credentials identified in Putty (admin) to log in to each transport node. For example, you can use the following command to connect to the sfo01w01en01 edge transport node: `ssh admin@sfo01w01en01`. You should see a welcome message and a prompt to enter commands.

Verify that there is no current active logging enabled by reviewing that directory is empty `~/var/log/syslog`. You can use the `ls` command to list the files in the `~/var/log/syslog` directory. For example, you can use the following command to check the sfo01w01en01 edge transport node: `ls /var/log/syslog`. You should see an empty output if there is no active logging enabled.

Enable NSX Manager Cluster logging. You can use the search `_web("NSX Manager Cluster logging configuration")` tool to find some information on how to configure remote logging for NSX Manager Cluster. One of the results is NSX-T Syslog Configuration Revisited - vDives, which provides the following steps:

Navigate to System > Fabric > Profiles > Node Profiles then select All NSX Nodes then under Syslog Servers click +ADD Enter the IP or FQDN of the syslog server, the Port and Protocol and the desired Log Level then click ADD Select multiple configuration choices that could be appropriate success criteria. You can use the search `_web("NSX-T logging success criteria")` tool to find some information on how to verify and troubleshoot logging for NSX-T. Some of the possible success criteria are:

The syslog server receives log messages from all NSX nodes

The log messages contain relevant information such as timestamp, hostname, facility, severity, message ID, and message content The log messages are formatted and filtered according to the configured settings The log messages are encrypted and authenticated if using secure protocols such as TLS or LI-TLS Enable NSX Edge Node logging. You can use the search `_web("NSX Edge Node logging configuration")` tool to find some information on how to configure remote logging for NSX Edge Node. One of the results is Configure Remote Logging - VMware Docs, which provides the following steps:

Run the following command to configure a log server and the types of messages to send to the log server. Multiple facilities or message IDs can be specified as a comma delimited list, without spaces.

```
set logging-server <hostname-or-ip-address [:port]> proto <proto> level <level> [facility <facility>] [messageid <messageid>]
```

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