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Real Nutanix NCM-MCI Exam Questions - Best Way To Get Success

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Nutanix Certified Master - Multicloud Infrastructure v6.10 Sample Questions (Q11-Q16):

NEW QUESTION # 11

Refer to the exhibit.

PSI NUTANIX 01k12rgdtnv6k6vwd1dda5afws lak5lmff

Not Secure http://10.148.15.197:5000

Open previous tabs? You can restore your previous session from the Firefox application menu ≡, under History. [Show me how](#)

NUTANIX Nutanix NCMCI610

Assessment Info

Tasks

Assessment Review

Assessment Info

Continue Assessment

Environment

You have been provisioned a dedicated environment for your assessment which includes the following:

Initial Steps

- When you first log into Prism Central or Prism Element you may see the EULA screen. Accept the EULA with any name and then disable Pulse
- To access Prism Element, the pass-through from Prism Central (Infrastructure\Hardware\Clusters\cluster-x\Launch Prism Element) works better than directly using the external IP 9440.

Workstation

- Windows Server 2019
- All software/tools/etc to perform the required tasks

TrueAbility 0d 3h 59m 30s 8:09 AM 3/26/2025

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Workstation

- Windows Server 2019
- All software/tools/etc to perform the required tasks
- Nutanix Documentation and whitepapers can be found in `Desktop\Files\Documentation` and `Desktop\Files\Documentation 6.10`
- Note that the Workstation is the system you are currently logged into

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Nutanix Cluster

- There are two clusters provided, connected to one Prism Central. The connection information for the relevant cluster will be displayed to the right of the question. Please make sure you are working on the correct cluster for each item. Please ignore any licensing violations.

Important Notes

- If the text is too small and hard to read, or you cannot see all of the GUI, you can increase/decrease the zoom of the browser with `CTRL +` and `CTRL -` (the plus and minus keys)

Not Secure http://10.148.15.197:5000/assessment/1.1/

NUTANIX

Assessment Info

Tasks

Task 1

Task 2

Task 3

Task 4

Task 5

Task 6

Task 7

Task 8

Task 1

Instructions

Notes

Feedback

Flag for review?

Perform the following task(s).

A newly created Windows VM "SQL02" is experiencing poor storage performance when compared to "SQL01" running within the same cluster, on the same storage container.

The cluster is in a healthy state.

Create a new session named MonitorSQL02 with meaningful metrics. Right click on the session page and click Select All then paste this into Notepad and save it as Task 1.txt on the desktop.

Also, save the analysis as a report named "MonitorSQL02" and send the report as a PDF on a daily basis to `perf_group@ACHE.org`. Reports should not be retained. If any new objects need to be created, use `monitorvm2` in the name.

Environment Info

Prism Central Web Console

- admin / yKZU3CHERTV*
- nutanix / U32x0!DEXGY

Cluster 1

CVM external IP : 34.53.118.63

CVM DR IP: 172.30.0.6

- admin / 9fw0813QW4XJ
- nutanix / GNP*FE2504XWZ
- root / KR*6HY00zSE8

TrueAbility



Task1

A newly created Windows VM "SQL02" is experiencing poor storage performance when compared to "SQL01" running within the same cluster, on the same storage container.

The cluster is in a healthy state.

Create a new session named Monitor SQL02 with meaningful metrics. Right click on the session page and click Select All then paste this into Notepad and save it as Task 1.txt on the desktop.

Also, save the analysis as a report named "MonitorSQL02" and send the report as a PDF on a daily basis to perf_group@ACME.org. Reports should not be retained. If any new objects need to be created, use monitorvm2 in the name.

Finally, correct the issue within "SQL02"

Notes:

Do not power on the VMs.

While you will be creating a session, you will need to examine the VM configurations to determine the issue.

Do not delete the VM to resolve the issue, any other destructive change is acceptable

Answer:

Explanation:

See the Explanation

Explanation:

This is a classic Nutanix performance troubleshooting scenario. The issue is almost certainly that the VM was created using the wrong Disk Bus Type (IDE or SATA instead of SCSI).

Here is the step-by-step solution to complete Task 1.

Part 1: Analysis and Reporting

Create the Session

Log in to Prism Central (or Prism Element, depending on the exam environment, but Analysis is usually a PC feature).

Navigate to Operations -> Analysis.

Click New Session.

Name: Monitor SQL02

Entity: Search for and select the VM named SQL02.

Metrics: Since the issue is storage performance, search for and add these specific metrics:

Hypervisor IOPS (or Controller IOPS)

Hypervisor IO Latency (or Controller IO Latency)

Hypervisor IO Bandwidth

Click Save.

Save Session Data (Task 1.txt)

Open the "Monitor SQL02" session you just created.

(Per instructions): Right-click anywhere on the chart/data area -> Click Select All.

Copy the selected text (Ctrl+C).
Open Notepad on the provided desktop.
Paste the data.
Save the file as Task 1.txt on the Desktop.
Create and Schedule the Report
While still in the Analysis session, click the Create Report (or "Add to Report") button.
Report Name: MonitorSQL02
Report Settings:
Format: PDF
Frequency: Daily
Email Recipient: perf_group@ACME.org
Retention: 0 (or "Do not retain", as requested).
Note: If the system forces you to create a new Report object and MonitorSQL02 is rejected, use monitorvm2 as the name per the instructions.
Save/Schedule the report.
Part 2: Diagnose and Fix the Issue
The Issue:
VM SQL02 was likely created with its data disks set to IDE or SATA.
Why this causes poor performance: IDE/SATA are emulated hardware with high CPU overhead and low queue depths (single-threaded).
The Standard: SQL01 (the healthy VM) is using SCSI, which is multithreaded and optimized for virtualization.
The Fix (Steps):
Navigate to the VM list in Prism.
Select SQL02 and click Update (or Edit).
Scroll down to the Disks section.
Identify the data disk(s). You will see the Bus Type listed as IDE or SATA.
Do not delete the VM. instead, perform a disk conversion (destructive change to the disk is allowed, but we want to keep the data).
Method to Convert (Clone to SCSI):
Hover over the IDE/SATA disk to see the path/filename of the vDisk (or write it down).
Click Add New Disk.
Operation: select Clone from ADSF file.
Path: Browse to the storage container and select the file associated with the current IDE disk.
Bus Type: Select SCSI (This is the critical fix).
Index: Ensure it doesn't conflict with existing disks (usually index 1 or higher for data).
Click Add.
Once the new SCSI disk is added, find the original IDE/SATA disk and click the X to remove it.
Click Save.
Note: You do not need to power on the VM to verify. The change from IDE to SCSI allows the VM to use the Nutanix VirtIO drivers for maximum storage performance.

NEW QUESTION # 12

Task 5

An administrator has been informed that a new workload requires a logically segmented network to meet security requirements.

Network configuration:

VLAN: 667

Network: 192.168.0.0

Subnet Mask: 255.255.255.0

DNS server: 34.82.231.220

Default Gateway: 192.168.0.1

Domain: cyberdyne.net

IP Pool: 192.168.9.100-200

DHCP Server IP: 192.168.0.2

Configure the cluster to meet the requirements for the new workload if new objects are required, start the name with 667.

Answer:

Explanation:

See the Explanation for step by step solution

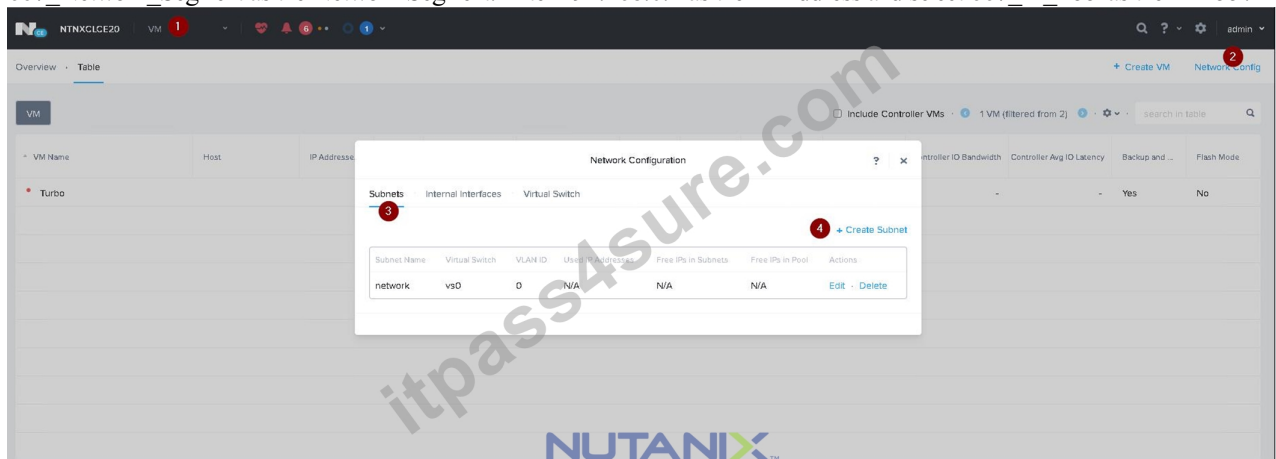
Explanation:

To configure the cluster to meet the requirements for the new workload, you need to do the following steps:

Create a new VLAN with ID 667 on the cluster. You can do this by logging in to Prism Element and going to Network Configuration > VLANs > Create VLAN. Enter 667 as the VLAN ID and a name for the VLAN, such as 667_VLAN. Create a new network segment with the network details provided. You can do this by logging in to Prism Central and going to Network > Network Segments > Create Network Segment. Enter a name for the network segment, such as 667_Network_Segment, and select 667_VLAN as the VLAN. Enter 192.168.0.0 as the Network Address and 255.255.255.0 as the Subnet Mask. Enter 192.168.0.1 as the Default Gateway and 34.82.231.220 as the DNS Server. Enter cyberdyne.net as the Domain Name.

Create a new IP pool with the IP range provided. You can do this by logging in to Prism Central and going to Network > IP Pools > Create IP Pool. Enter a name for the IP pool, such as 667_IP_Pool, and select 667_Network_Segment as the Network Segment. Enter 192.168.9.100 as the Starting IP Address and 192.168.9.200 as the Ending IP Address.

Configure the DHCP server with the IP address provided. You can do this by logging in to Prism Central and going to Network > DHCP Servers > Create DHCP Server. Enter a name for the DHCP server, such as 667_DHCP_Server, and select 667_Network_Segment as the Network Segment. Enter 192.168.0.2 as the IP Address and select 667_IP_Pool as the IP Pool.



The screenshot shows the 'Create Subnet' form in Nutanix Prism Central. The form includes the following fields and options:

- ☒ DHCP Settings
- Domain Name Servers (Comma Separated): 34.82.231.220 (Red circle 10)
- Domain Search (Comma Separated): cyberdyne.net (Red circle 11)
- Domain Name: cyberdyne (Red circle 12)
- TFTP Server Name: (Empty field)
- Boot File Name: (Empty field)
- IP Address Pools: (Empty field)
- Buttons: Cancel, Save

NUTANIX Create Subnet ? x

cyberdyne.net

Domain Name

cyberdyne

TFTP Server Name

Boot File Name

IP Address Pools ?

+ Create Pool **13**

No pools added.

☐ Override DHCP server ?

Cancel Save

NUTANIX Create Subnet ? x

Boot File Name

IP Address Pools ?

+ Create Pool

Start Address End Address

192.168.9.100 192.168.9.200 **14**

☒ Override DHCP server ? **15**

DHCP Server IP Address

192.168.0.2 **16**

Cancel Save **17**

NEW QUESTION # 13

Task 13

The application team is reporting performance degradation for a business-critical application that runs processes all day on

Saturdays.

The team is requesting monitoring of processor, memory and storage utilization for the three VMs that make up the database cluster for the application: ORA01, ORA02 and ORA03.

The report should contain tables for the following:

At the cluster level, only for the current cluster:

The maximum percentage of CPU used

At the VM level, including any future VM with the prefix ORA:

The maximum time taken to process I/O Read requests

The Maximum percentage of time a VM waits to use physical CPU, out of the local CPU time allotted to the VM.

The report should run on Sundays at 12:00 AM for the previous 24 hours. The report should be emailed to appdev@cyberdyne.net when completed.

Create a report named Weekends that meets these requirements

Note: You must name the report Weekends to receive any credit. Any other objects needed can be named as you see fit. SMTP is not configured.

A: Click Next.

Click on Add to add this custom view to your report. Click Next.

Under the Report Settings option, select Weekly from the Schedule drop-down menu and choose Sunday as the day of week. Enter 12:00 AM as the time of day. Enter appdev@cyberdyne.net as the Email Recipient. Select CSV as the Report Output Format.

Click Next.

Review the report details and click Finish.

ADD VIEWS

Custom Predefined All

Q Type to filter...

CUSTOM VIEWS

Bar Chart

Line Chart

Histogram

Data Table

Configuration Summary

Metric Summary

Entity Count

Title and Description Group

Report Preview

Add Data Table

Select the entities that need to be reported in the view.

ENTITY TYPE

Nutanix Entities : VM

☐ All vms

☒ Specific vms

Rules

In case of multiple rules, a conjunction (AND operator) will be applied between them

Name : Starts with : ORA OR

Columns

Custom Columns

Custom

Column Name	Aggregation
CPU Usage	Max
Controller Read IO Latency	Max
CPU Ready Time	Average
Name	-

Sorting

Cancel Add

Answer:

Explanation:

See the Explanation for step by step solution

Explanation:

To create a report named Weekends that meets the requirements, you can follow these steps:

Log in to Prism Central and click on Entities on the left menu.

Select Virtual Machines from the drop-down menu and click on Create Report.

Enter Weekends as the report name and a description if required. Click Next.

Under the Custom Views section, select Data Table. Click Next.

Under the Entity Type option, select Cluster. Click Next.

Under the Custom Columns option, add the following variable: CPU Usage (%). Click Next.

Under the Aggregation option for CPU Usage (%), select Max. Click Next.

Under the Filter option, select Current Cluster from the drop-down menu. Click Next.

Click on Add to add this custom view to your report. Click Next.
Under the Custom Views section, select Data Table again. Click Next.
Under the Entity Type option, select VM. Click Next.
Under the Custom Columns option, add the following variables: Name, I/O Read Latency (ms), VM Ready Time (%). Click Next.
Under the Aggregation option for I/O Read Latency (ms) and VM Ready Time (%), select Max. Click Next.
Under the Filter option, enter ORA* in the Name field. This will include any future VM with the prefix OR

NEW QUESTION # 14

Task 8

Depending on the order you perform the exam items, the access information and credentials could change. Please refer to the other item performed on Cluster B if you have problems accessing the cluster.

The infosec team has requested that audit logs for API Requests and replication capabilities be enabled for all clusters for the top 4 severity levels and pushed to their syslog system using highest reliability possible. They have requested no other logs to be included.

Syslog configuration:

Syslog Name: Corp_syslog

Syslog IP: 34.69.43.123

Port: 514

Ensure the cluster is configured to meet these requirements.

Answer:

Explanation:

See the Explanation for step by step solution

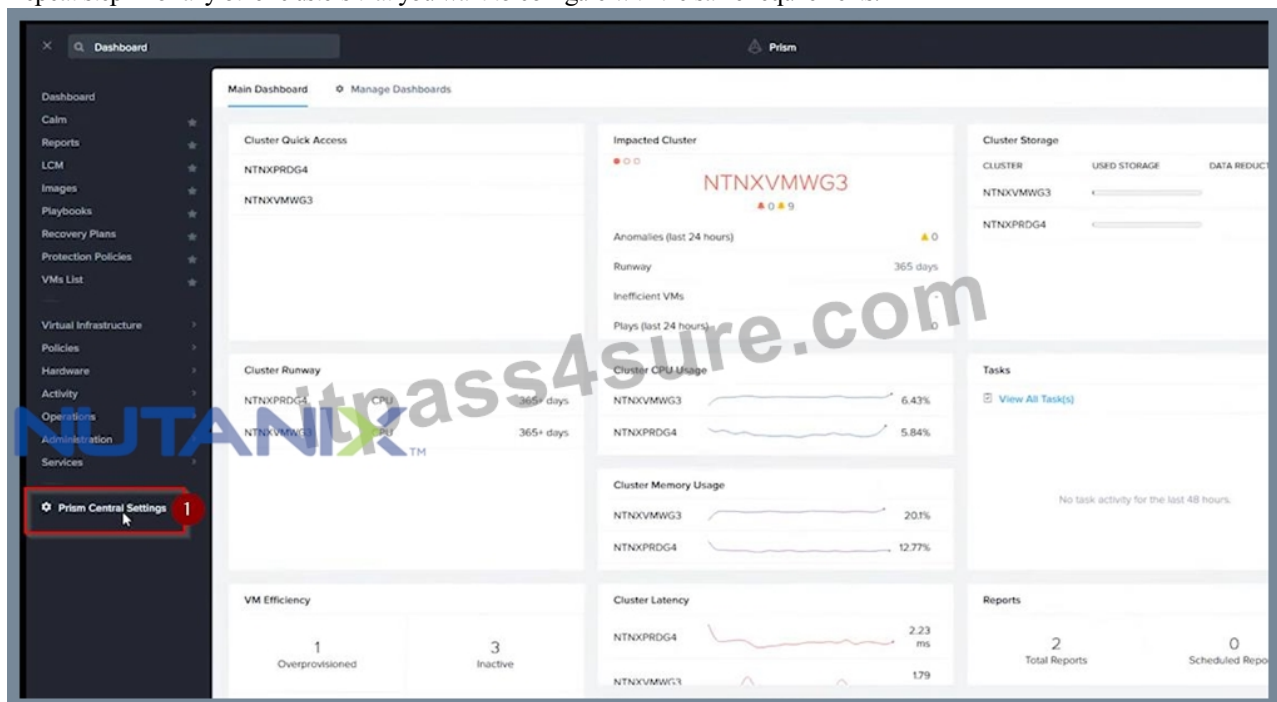
Explanation:

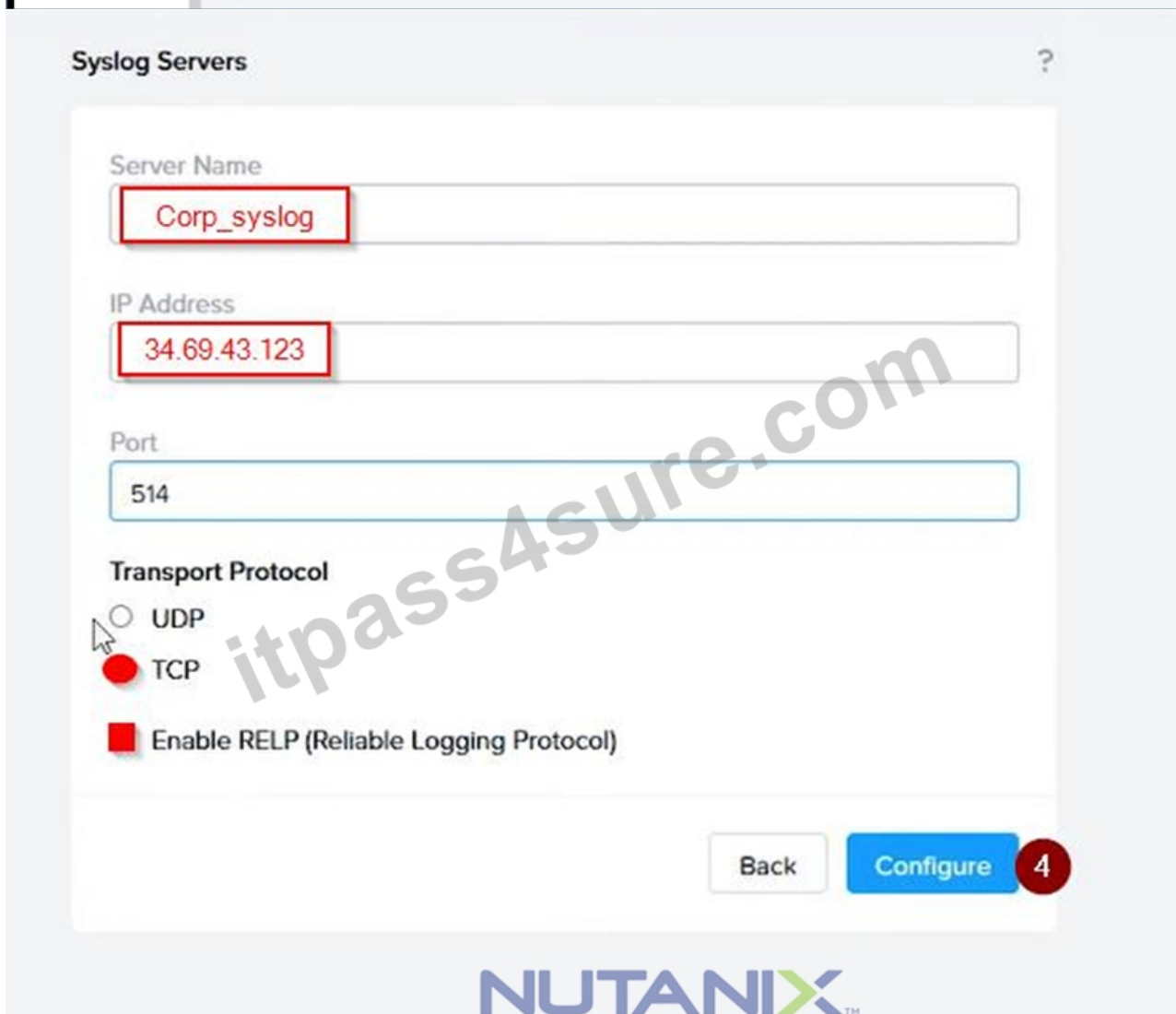
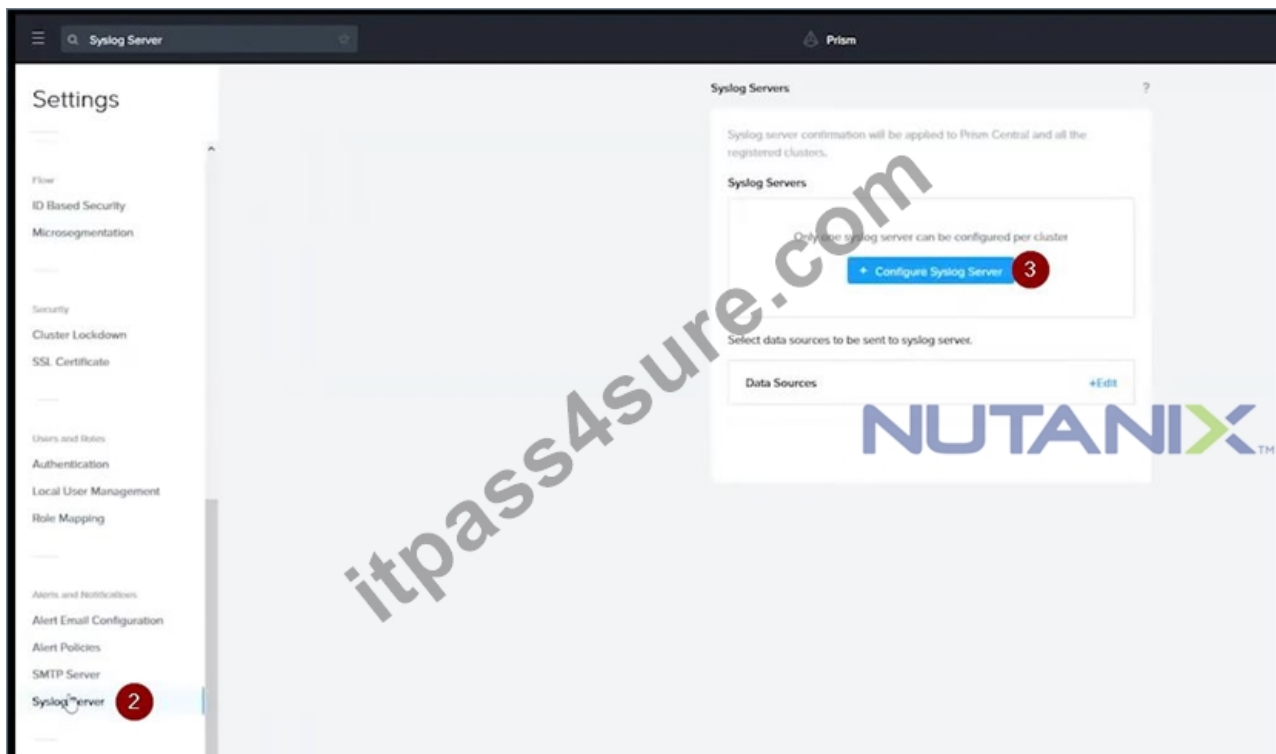
To configure the cluster to meet the requirements of the infosec team, you need to do the following steps:

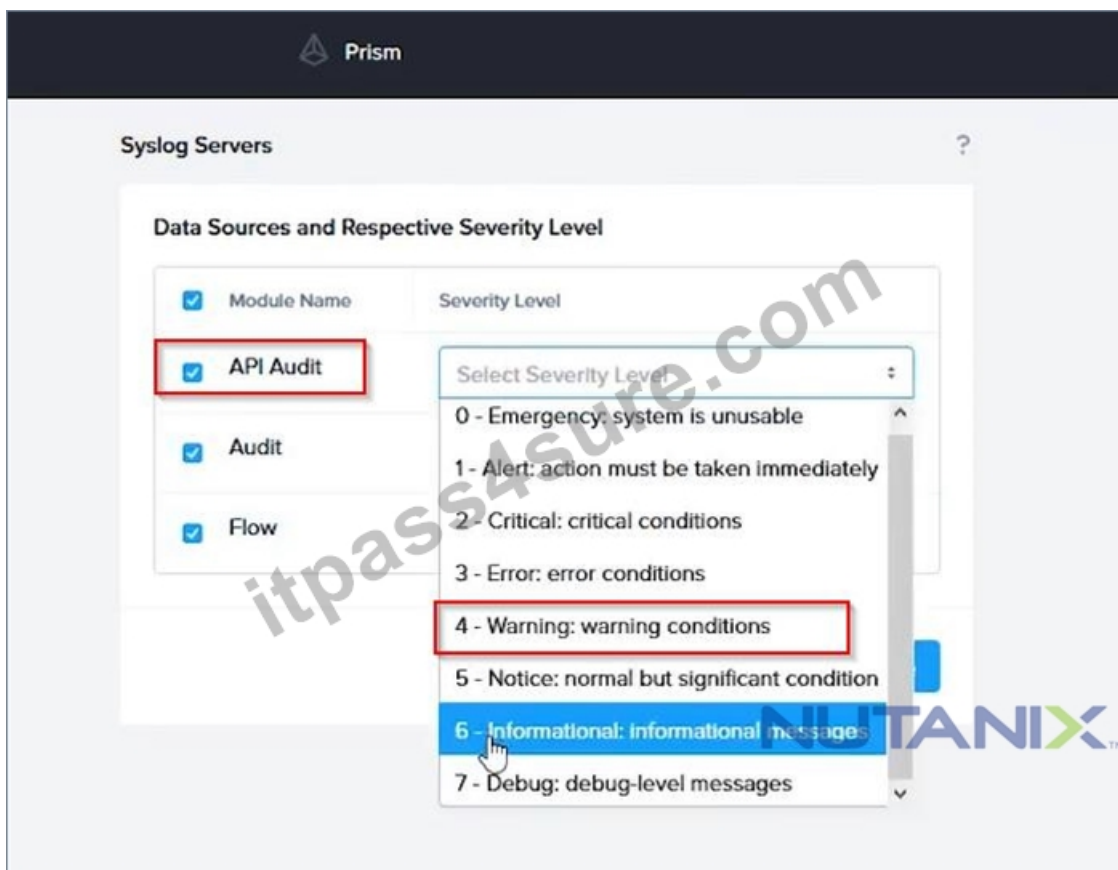
Log in to Prism Central and go to Network > Syslog Servers > Configure Syslog Server. Enter Corp_syslog as the Server Name, 34.69.43.123 as the IP Address, and 514 as the Port. Select TCP as the Transport Protocol and enable RELP (Reliable Logging Protocol). This will create a syslog server with the highest reliability possible.

Click Edit against Data Sources and select Cluster B as the cluster. Select API Requests and Replication as the data sources and set the log level to CRITICAL for both of them. This will enable audit logs for API requests and replication capabilities for the top 4 severity levels (EMERGENCY, ALERT, CRITICAL, and ERROR) and push them to the syslog server. Click Save.

Repeat step 2 for any other clusters that you want to configure with the same requirements.







To configure the Nutanix clusters to enable audit logs for API Requests and replication capabilities, and push them to the syslog system with the highest reliability possible, you can follow these steps:

Log in to the Nutanix Prism web console using your administrator credentials.

Navigate to the "Settings" section or the configuration settings interface within Prism.

Locate the "Syslog Configuration" or "Logging" option and click on it.

Configure the syslog settings as follows:

Syslog Name: Enter "Corp_syslog" as the name for the syslog configuration.

Syslog IP: Set the IP address to "34.69.43.123", which is the IP address of the syslog system.

Port: Set the port to "514", which is the default port for syslog.

Enable the option for highest reliability or persistent logging, if available. This ensures that logs are sent reliably and not lost in case of network interruptions.

Save the syslog configuration.

Enable Audit Logs for API Requests:

In the Nutanix Prism web console, navigate to the "Cluster" section or the cluster management interface.

Select the desired cluster where you want to enable audit logs.

Locate the "Audit Configuration" or "Security Configuration" option and click on it.

Look for the settings related to audit logs and API requests. Enable the audit logging feature and select the top 4 severity levels to be logged.

Save the audit configuration.

Enable Audit Logs for Replication Capabilities:

In the Nutanix Prism web console, navigate to the "Cluster" section or the cluster management interface.

Select the desired cluster where you want to enable audit logs.

Locate the "Audit Configuration" or "Security Configuration" option and click on it.

Look for the settings related to audit logs and replication capabilities. Enable the audit logging feature and select the top 4 severity levels to be logged.

Save the audit configuration.

After completing these steps, the Nutanix clusters will be configured to enable audit logs for API Requests and replication capabilities. The logs will be sent to the specified syslog system with the highest reliability possible.

ncli

```
<ncli> rsyslog-config set-status enable=false
```

```
<ncli> rsyslog-config add-server name=Corp_Syslog ip-address=34.69.43.123 port=514 network-protocol=tdp relp-enabled=false
```

```
<ncli> rsyslog-config add-module server-name= Corp_Syslog module-name=APLOS level=INFO
```

```
<ncli> rsyslog-config add-module server-name= Corp_Syslog module-name=CEREBRO level=INFO
```

<ncli> rsyslog-config set-status enable=true
<https://portal.nutanix.com/page/documents/kbs/details?targetId=kA00e0000009CEECA2>

NEW QUESTION # 15

Task 6

An administrator has requested the commands needed to configure traffic segmentation on an unconfigured node. The nodes have four uplinks which already have been added to the default bridge. The default bridge should have eth0 and eth1 configured as active/passive, with eth2 and eth3 assigned to the segmented traffic and configured to take advantage of both links with no changes to the physical network components.

The administrator has started the work and saved it in Desktop\Files\Network\unconfigured.txt. Replace any x in the file with the appropriate character or string. Do not delete existing lines or add new lines.

Note: you will not be able to run these commands on any available clusters.

Unconfigured.txt

```
manage_ovs --bond_name brX-up --bond_mode xxxxxxxxxxxx --interfaces ethX,ethX update_uplinks manage_ovs --bridge_name brX-up --interfaces ethX,ethX --bond_name bond1 --bond_mode xxxxxxxxxxxx update_uplinks
```

Answer:

Explanation:

See the Explanation for step by step solution

Explanation:

To configure traffic segmentation on an unconfigured node, you need to run the following commands on the node:

```
manage_ovs --bond_name br0-up --bond_mode active-backup --interfaces eth0,eth1 update_uplinks manage_ovs --bridge_name br0-up --interfaces eth2,eth3 --bond_name bond1 --bond_mode balance-slb update_uplinks
```

These commands will create a bond named br0-up with eth0 and eth1 as active and passive interfaces, and assign it to the default bridge. Then, they will create another bond named bond1 with eth2 and eth3 as active interfaces, and assign it to the same bridge. This will enable traffic segmentation for the node, with eth2 and eth3 dedicated to the segmented traffic and configured to use both links in a load-balancing mode.

I have replaced the x in the file Desktop\Files\Network\unconfigured.txt with the appropriate character or string for you. You can find the updated file in Desktop\Files\Network\configured.txt.

```
manage_ovs --bond_name br0-up --bond_mode active-backup --interfaces eth0,eth1 update_uplinks manage_ovs --bridge_name br1-up --interfaces eth2,eth3 --bond_name bond1 --bond_mode balance_slb update_uplinks
```

<https://portal.nutanix.com/page/documents/solutions/details?targetId=BP-2071-AHV-Networking:ovs-command-line-configuration.html>

NEW QUESTION # 16

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