

# NCM-MCI-6.10全真模擬試験、NCM-MCI-6.10日本語



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>> NCM-MCI-6.10全真模擬試験 <<

## Nutanix NCM-MCI-6.10試験の準備方法 | 素敵なNCM-MCI-6.10全真模擬試験試験 | 最高のNutanix Certified Master - Multicloud Infrastructure (NCM-MCI)日本語

あなたの予算が限られている場合に完全な問題集を必要としたら、MogiExamのNutanixのNCM-MCI-6.10試験トレーニング資料を試してみてください。MogiExamはあなたのIT認証試験の護衛になれて、現在インターネット

で一番人気があるトレーニング資料が提供されたサイトです。NutanixのNCM-MCI-6.10試験はあなたのキャリアのマイルストーンで、競争が激しいこの時代で、これまで以上に重要になりました。あなたは一回で気楽に試験に合格することを保証します。将来で新しいチャンスを作って、仕事が楽しげにやらせます。MogiExamの値段よりそれが創造する価値ははるかに大きいです。

## Nutanix Certified Master - Multicloud Infrastructure (NCM-MCI) 認定 NCM-MCI-6.10 試験問題 (Q13-Q18):

### 質問 # 13

The Infosec team has requested that all operational tasks performed within Cluster 1 be properly logged to include the top 4 severity levels and pushed to their syslog system using highest reliability possible for analysis. This is to include any Virtual Machine changes only.

The Infosec team has also requested that monitor logs for the given RSyslog Server Module be included for now. No extra logs should be included.

No other clusters should connect to this syslog server.

Syslog configuration:

- \* Syslog Name: Corp\_Syslog

- \* Syslog IP: 34.142.155.231

- \* Port: TCP/514

Ensure only Cluster 1 is configured to meet these requirements.

**正解:**

**解説:**

See the Explanation below for detailed answer.

Explanation:

Here is the step-by-step solution to configure syslog for Cluster 1.

#### 1. Access Cluster 1 Prism Element

Since the requirement is to only configure Cluster 1 and not other clusters, this task must be performed in the Prism Element (PE) interface for Cluster 1.

- \* From the main Prism Central dashboard, navigate to Hardware > Clusters.

- \* Find Cluster 1 in the list and click its name. This will open the specific Prism Element login page for that cluster.

- \* Log in to Cluster 1's Prism Element interface.

#### 2. Add the Syslog Server

- \* In the Cluster 1 PE interface, click the gear icon (Settings) in the top-right corner.

- \* From the left-hand menu, select Syslog.

- \* In the "Remote Syslog Server" section, click the + Add Syslog Server button.

- \* Fill in the server details as required:

- \* Name: Corp\_Syslog

- \* IP Address: 34.142.155.231

- \* Port: 514

- \* Protocol: TCP (This provides the highest reliability, as requested).

- \* Click Save.

#### 3. Configure Log Modules and Severities

Now, we must specify which logs to send to the new server.

- \* On the same Syslog settings page, find the "Syslog Configuration" section and click the Configure button (or Modify if a default is present).

- \* A dialog box "Select Modules and Levels" will appear.

- \* Uncheck all modules to ensure no extra logs are sent.

- \* Check the box for the RSyslog Server Module (or rsyslog\_forwarder).

- \* For this module, check the boxes for the severities: Critical, Warning, and Info.

- \* Check the box for the ApiServer module.

- \* This module logs all operational tasks and audit trails, which includes all Virtual Machine changes.

- \* For this module, check the boxes for the top severity levels: Critical, Warning, and Info.

- \* Ensure no other modules (like Stargate, Cerebro, Zookeeper, etc.) are checked.

- \* Click Save.

Cluster 1 is now configured to send its audit logs (including VM changes) and its own syslog monitoring logs to the Corp\_Syslog server via TCP, fulfilling all security requirements.

Topic 2, Performance Based Questions Set 2

Environment

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

## Workstation

\* windows Server 2019

\* All software/tools/etc to perform the required tasks

\* Nutanix Documentation and whitepapers can be found in desktop\files\Documentation

\* Note that the workstation is the system you are currently logged into Nutanix Cluster

\* There are three clusters provided. The connection information for the relevant cluster will be displayed to the high of the question

Please make sure you are working on the correct cluster for each item Please ignore any licensing violations

\* Cluster A is a 3-node cluster with Prism Central 2022.6 where most questions will be performed

\* Cluster B is a one-node cluster and has one syslog item and one security item to perform

\* Cluster D is a one-node cluster with Prism Central 5.17 and has a security policy item to perform Important Notes

\* If the text is too small and hard to read, or you cannot see an of the GUI. you can increase/decrease the zoom of the browser with CTRL + ,and CTRL + (the plus and minus keys) You will be given 3 hours to complete the scenarios for Nutanix NCMMCI Once you click the start button below, you will be provided with:

- A Windows desktop A browser page with the scenarios and credentials (Desktop\instructions) Notes for this exam delivery:

The browser can be scaled to Improve visibility and fit all the content on the screen.

- Copy and paste hot-keys will not work Use your mouse for copy and paste.

- The Notes and Feedback tabs for each scenario are to leave notes for yourself or feedback for

- Make sure you are performing tasks on the correct components.

- Changing security or network settings on the wrong component may result in a falling grade.

- Do not change credentials on an component unless you are instructed to.

- All necessary documentation is contained in the Desktop\Files\Documentation directory

## 質問 # 14

### Task 8

An administrator has environment that will soon be upgraded to 6.5. In the meantime, they need to implement log and apply a security policy named Staging\_Production, such that not VM in the Staging Environment can communicate with any VM in the production Environment, Configure the environment to satisfy this requirement.

Note: All other configurations not indicated must be left at their default values.

### 正解:

#### 解説:

See the Explanation for step by step solution.

#### Explanation:

To configure the environment to satisfy the requirement of implementing a security policy named Staging\_Production, such that no VM in the Staging Environment can communicate with any VM in the production Environment, you need to do the following steps: Log in to Prism Central and go to Network > Security Policies > Create Security Policy. Enter Staging\_Production as the name of the security policy and select Cluster A as the cluster.

In the Scope section, select VMs as the entity type and add the VMs that belong to the Staging Environment and the Production Environment as the entities. You can use tags or categories to filter the VMs based on their environment.

In the Rules section, create a new rule with the following settings:

Direction: Bidirectional

Protocol: Any

Source: Staging Environment

Destination: Production Environment

Action: Deny

Save the security policy and apply it to the cluster.

This will create a security policy that will block any traffic between the VMs in the Staging Environment and the VMs in the Production Environment. You can verify that the security policy is working by trying to ping or access any VM in the Production Environment from any VM in the Staging Environment, or vice versa.

You should not be able to do so.

VMs

Virtual Infrastructure >

Policies >

Hardware >

Activity >

Operations >

Administration >

Services >

Security Policies

Protection Policies

Recovery Plans

NGT Policies

Image Placement

NUTANIX™

Name

Staging\_Production

Purpose

Isolate Staging\_Production

Isolate This Category

Environment: Staging

From This Category

Environment: Production

**NUTANIX**

☐ Apply the isolation only within a subset of the data center

Advanced Configuration

Policy Hit Logs ☐ Disabled

Cancel Apply Now Save and Monitor

2 Actions Create Security Policy Export & Import

Type name Update

1 selected or

Apply Monitor

Isolate HR from IT

Environment: Staging Environment: Production

Monitoring New seconds ago

To enforce the policy, check the box next to the policy, choose Actions, then Apply.

#### 質問 # 15

##### Task 15

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.

正解:

解説:

See the Explanation for step by step solution.

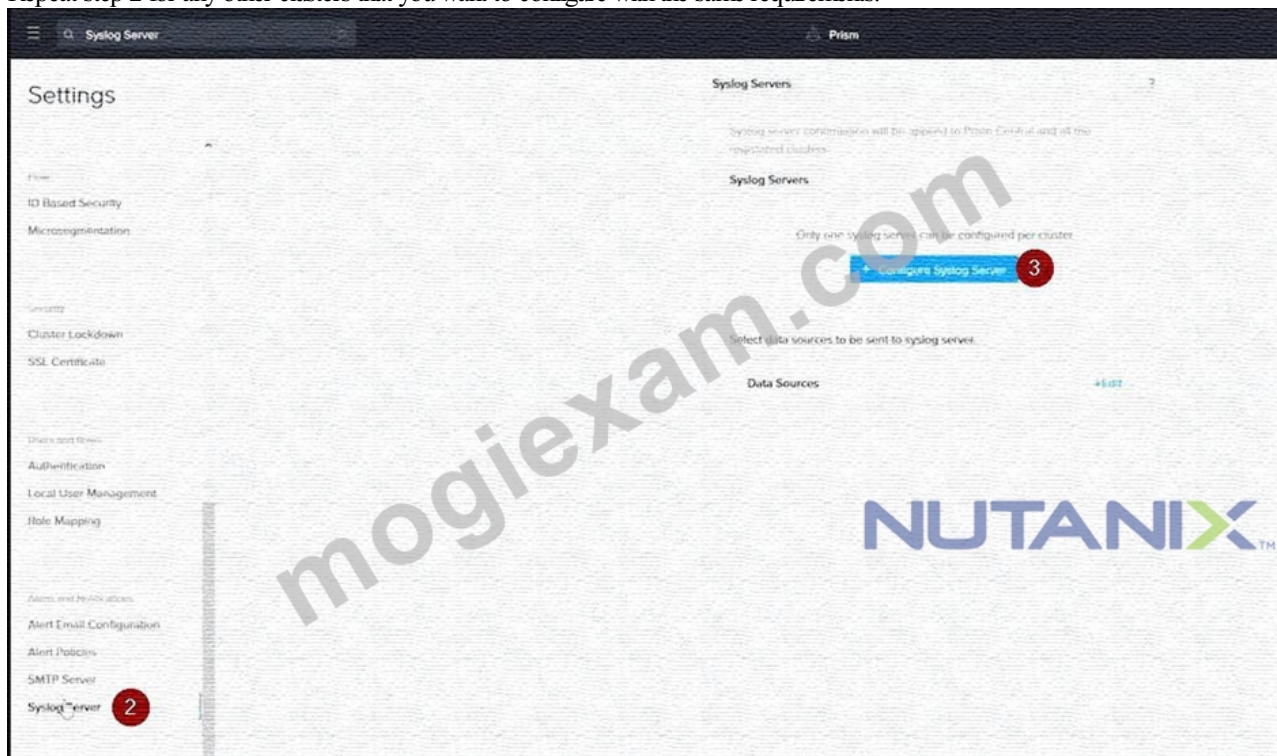
Explanation:

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.





**Syslog Servers** NUTANIX™ ?

Server Name

IP Address

Port

Transport Protocol  
☐ UDP  
☒ TCP  
☐ Enable RELP (Reliable Logging Protocol)

[Back](#) [Configure](#) **4**

**Syslog Servers** ?

Syslog server configuration will be applied to Prism Central and all the registered clusters.

Syslog Servers [+Configure Syslog Server](#)

Name	Server IP
<input type="text" value="Corp_syslog"/>	<input type="text" value="34.69.43.123"/>

Select data sources to be sent to syslog server.

Data Sources [+Edit](#) **5**

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 reliability-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>

## 質問 # 16

The DB team is requesting an SQL database instance and has requested it be configured for best performance.

This VM has been migrated from a 3 tier solution into Nutanix.

The database VM hosts 4 databases, each set to a 20 GB limit. Logs are expected to not grow beyond 20 GB and should be limited to within 25% to avoid runaway processes. Do not configure more storage than is needed.

The VM that has been migrated is identified as sql3532. Once the VM has been properly reconfigured, the DBA team will reconfigure the OS and database.

The VM should be configured as per KB-3532.

While this VM is being tested, make sure it is the first VM to power up in the event the node it is on goes down.

To maximize performance, ensure as much of the VM as possible will be kept on SSD drives.

Note: The VM does not need to be powered on. The VM should remain on the default container and should not be configured with a volume group. No network is required at this time.

## 正解:

### 解説:

See the Explanation below for detailed answer.

### Explanation:

Here is the step-by-step solution to reconfigure the sql3532 virtual machine.

This task is performed from the Prism Element interface for the cluster the VM is on (e.g., Cluster 1).

1. Locate and Update the VM
  - \* From the Prism Element main dashboard, navigate to the VM view.
  - \* Find the VM named sql3532 in the VM table.
  - \* Select the checkbox next to sql3532 and click the Update button.
2. Configure HA Priority and Flash Mode



In the "Update VM" dialog, configure the HA and SSD performance settings:

- \* HA Priority:
- \* Find the VM High Availability section.
- \* Select the High Priority radio button. This ensures it is one of the first VMs to power on during an HA event.
- \* Flash Mode (SSD Performance):
- \* Scroll down to the Flash Mode section.
- \* Check the box to Enable Flash Mode. This pins the VM's vDisks to the SSD tier, satisfying the requirement to keep as much of the VM as possible on SSDs, especially since it's on the default (hybrid) container.

### 3. Reconfigure Disks (per KB-3532)

While still in the "Update VM" dialog, scroll to the Disks section to add the new data and log disks. The key to "best performance" (KB-3532) is to place Data and Logs on separate vSCSI controllers.

(The VM already has an OS disk, which we will assume is on scsi.0.)

- \* Add Data Disk:
- \* Click the + Add New Disk button.
- \* Storage Container: default (as required).
- \* Size: 80 GB (for the 4 x 20 GB databases).
- \* Bus Type: SCSI.
- \* Device Index: 1. (This creates a new vSCSI controller, scsi.1, for the data disk).
- \* Click Add.
- \* Add Log Disk:
- \* Click the + Add New Disk button.
- \* Storage Container: default (as required).
- \* Size: 20 GB.
- \* Bus Type: SCSI.
- \* Device Index: 2. (This creates a third vSCSI controller, scsi.2, for the log disk).
- \* Click Add.

### 4. Save Configuration

- \* After adding the disks and setting HA/Flash Mode, click the main Save button at the bottom of the "Update VM" dialog.

The VM is now configured with high availability, its storage is pinned to SSD, and its disk layout follows performance best practices by separating the OS, Data, and Log I/O paths onto three different controllers.

## 質問 # 17

### TASK 1

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 monitovm2 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.

### 正解:

#### 解説:

See the Explanation below for detailed answer.

#### Explanation:

Here is the step-by-step solution to all three tasks, performed within the Nutanix Prism interface.

Task 1: Create Monitoring Session & Save Metrics

- \* From the Prism Central dashboard, navigate to Operations > Analysis.
- \* Click the + New Session button.
- \* Name the session Monitor SQL02.
- \* In the "Entities" search box, type SQL01 and select VM: SQL01.
- \* In the "Entities" search box, type SQL02 and select VM: SQL02.

- \* Click Add Charts > New Chart.
  - \* Title: Storage IOPS
  - \* Metric: Storage Controller IOPS
  - \* Click Add.
  - \* Click Add Charts > New Chart.
  - \* Title: Storage Latency
  - \* Metric: Storage Controller Latency
  - \* Click Add.
  - \* Click Add Charts > New Chart.
  - \* Title: Storage Bandwidth
  - \* Metric: Storage Controller Bandwidth
  - \* Click Add.
  - \* Click Save Session.
  - \* With the "Monitor SQL02" session open, right-click anywhere on the page and click Select All.
  - \* Right-click again and select Copy.
  - \* Open Notepad, paste the content, and save the file to the desktop as Task 1.txt.
- (The content pasted into Task 1.txt would be the session's chart configurations, showing metrics for SQL01 and SQL02.)
- Task 2: Create and Schedule the Report
- \* While still in the "Monitor SQL02" analysis session, click the Save as Report button (it looks like a bookmark icon).
  - \* Name the report MonitorSQL02 and click Save.
  - \* Navigate to Operations > Reports.
  - \* Find the MonitorSQL02 report in the list. Select its checkbox.
  - \* Click the Actions dropdown and select Schedule.
  - \* Configure the schedule with the following settings:
  - \* Schedule Name: monitovm2\_daily\_report
  - \* Recurrence: Daily
  - \* Start Time: (Set to a time, e.g., 8:00 AM)
  - \* Repeat every: 1 day(s)
  - \* Retention Policy: Uncheck the "Retain a copy of the report" box. (This ensures reports are not retained).
  - \* Email Report: Check this box.
  - \* Format: PDF
  - \* Recipients: perf\_group@ACME.org
  - \* Click Save.

#### Task 3: Identify and Correct the Performance Issue

This task is performed without powering on the VMs, indicating a configuration error.

##### Investigation

- \* Navigate to VMs > Table view.
- \* Click on the SQL01 (the good VM) and select the Configuration tab.
- \* Expand the Disks section. Observe that the primary disk is attached to a SCSI bus (e.g., scsi.0). This is the high-performance standard.
- \* Return to the VM list and click on SQL02 (the problem VM).
- \* Expand the Disks section.

##### Root Cause

You discover that the primary disk for SQL02 is attached to an IDE bus. The IDE bus has significant performance limitations and is not suitable for a database server, causing the poor storage performance.

##### Correction

- \* With the SQL02 VM selected, click the Update button.
- \* In the "Update VM" dialog, scroll down to the Disks section.
- \* Find the disk attached to the IDE bus. Click the Edit (pencil) icon for that disk.
- \* Change the Bus Type dropdown from IDE to SCSI.
- \* The Device Index will automatically populate (e.g., scsi.0).
- \* Click Save in the "Update Disk" dialog.
- \* (Note: A "VirtIO SCSI Controller" will be automatically added to the VM configuration if one was not already present.)
- \* Click Save in the "Update VM" dialog.

The VM SQL02 is now configured to use the high-performance VirtIO-SCSI controller, which will resolve the storage performance discrepancy once the VM is powered on.

## 質問 # 18

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- [illegible]

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