

Nutanix

Exam Questions NCP-MCI-6.10

Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10)



NEW QUESTION 1

An administrator configured a remote site for Protection Domain replication, but network performance and stability are impacted. How can the remote site configuration be adjusted to fix the issue?

- A. Configure Network Address Translation (NAT) between the two Nutanix clusters.
- B. Configure the Protection Domain with many-to-many replication.
- C. Configure a Bandwidth Throttling Policy.
- D. Configure the remote Cluster VIP as a proxy.

Answer: C

Explanation:

Network performance issues during replication can be mitigated using Bandwidth Throttling to control traffic spikes.

? Option C (Configure a Bandwidth Throttling Policy) is correct:

? Option A (Configure NAT) is incorrect:

? Option B (Many-to-Many Replication) is incorrect:

? Option D (Remote Cluster VIP as Proxy) is incorrect:

References:

? Nutanix Protection Policies Guide Bandwidth Throttling for Remote Site Replication

? Nutanix KB Optimizing Network Performance for Disaster Recovery

NEW QUESTION 2

After adding new workloads, the Overall Runway is now below 365 days, but the scenario still shows the cluster is in good shape. Why?

- A. Because Storage Runway is still good.
- B. Because new workloads are sustainable.
- C. Because there are recommended resources.
- D. Because the Target is 1 month.

Answer: B

Explanation:

A cluster runway below 365 days does not necessarily indicate an issue if Intelligent Operations determines that workloads are sustainable.

? Option B (Because new workloads are sustainable) is correct:

? Option A (Storage Runway is still good) is incorrect:

? Option C (Recommended resources) is incorrect:

? Option D (Target is 1 month) is incorrect:

References:

? Nutanix Prism Central Guide Capacity Planning & Runway Analysis

? Nutanix KB Understanding Capacity Runway and Workload Sustainability

NEW QUESTION 3

In a scale-out Prism Central deployment, what additional functionality does configuring an FQDN instead of a Virtual IP provide?

- A. Load balancing
- B. Resiliency
- C. Segmentation
- D. SSL Certificate

Answer: A

Explanation:

In a scale-out Prism Central deployment, using an FQDN (Fully Qualified Domain Name) enables load balancing across multiple Prism Central instances.

? Option A (Load balancing) is correct:

? Option B (Resiliency) is incorrect:

? Option C (Segmentation) is incorrect:

? Option D (SSL Certificate) is incorrect:

References:

? Nutanix Prism Central Guide Configuring Scale-Out Deployment

? Nutanix KB How FQDN Enhances Load Balancing in Scale-Out Prism Central

NEW QUESTION 4

An administrator has been tasked with performing firmware upgrades for all Nutanix sites.

When attempting to perform firmware upgrades via Life Cycle Manager (LCM) at a remote site with a single-node cluster, no firmware updates are listed as available. The administrator confirmed that the currently installed firmware is several revisions behind.

Why are no firmware upgrades listed in LCM for this cluster?

- A. Single-node clusters only support one-disk firmware upgrades.
- B. LCM is not supported on single-node clusters.
- C. LCM cannot perform firmware upgrades on single-node clusters.
- D. LCM does not have connectivity to the internet.

Answer: B

Explanation:

LCM (Life Cycle Manager) does not support automatic firmware upgrades for single-node clusters because firmware updates require cluster-wide operations, which

are not possible with only one node.

- ? Option B (LCM is not supported on single-node clusters) is correct:
- ? Option A (Single-node clusters only support one-disk firmware upgrades) is incorrect:
- ? Option C (LCM cannot perform firmware upgrades) is incorrect:
- ? Option D (LCM lacks internet connectivity) is incorrect:

References:

- ? Nutanix LCM Guide Firmware Upgrade Considerations for Single-Node Clusters
- ? Nutanix KB Why LCM Updates Are Not Available for Single-Node Deployments

NEW QUESTION 5

The customer expects to maintain a cluster runway of 9 months. The customer doesn't have a budget for 6 months but they want to add new workloads to the existing cluster.



Based on the exhibit, what is required to meet the customer's budgetary timeframe?

- A. Add resources to the cluster.
- B. Postpone the start of new workloads.
- C. Delete workloads running on the cluster.
- D. Change the target to 9 months.

Answer: A

Explanation:

The exhibit shows that the overall runway is only 66 days, meaning that the current cluster does not have enough capacity to sustain workloads for 6 months, let alone 9 months.

- ? The best solution is to add resources to the cluster (Option A), such as CPU, memory, or storage, to extend the runway.
- ? Postponing new workloads (Option B) may help in the short term but does not align with the business need to continue adding workloads.
- ? Deleting workloads (Option C) is not a viable option because the customer wants to add more, not remove them.
- ? Changing the target to 9 months (Option D) does not change the actual resource constraints; it only alters the target timeframe.

References:

- ? Nutanix Prism Central Capacity Planning and Runway Analysis
- ? Nutanix Bible Cluster Resource Management and Scaling
- ? Nutanix Support KB How to Extend Cluster Runway with Resource Scaling

NEW QUESTION 6

An administrator needs to create a storage container named TestData with the following conditions:

- ? Replication Factor (RF) = 1 (RF1)
- ? Inline Compression enabled
- ? Deduplication disabled
- ? Maximum storage capacity = 100 GiB

How should the administrator complete this task?

- A. Log into Prism Element and create the storage container with an Advertised Capacity of 100 GiB.
- B. Log into Prism Element and create the storage container.
- C. Log into Prism Central and create the storage container with a Reserved Capacity of 100 GiB.
- D. Log into Prism Central and create the storage container.

Answer: A

Explanation:

When creating a storage container in Nutanix, the administrator must configure the correct capacity settings:

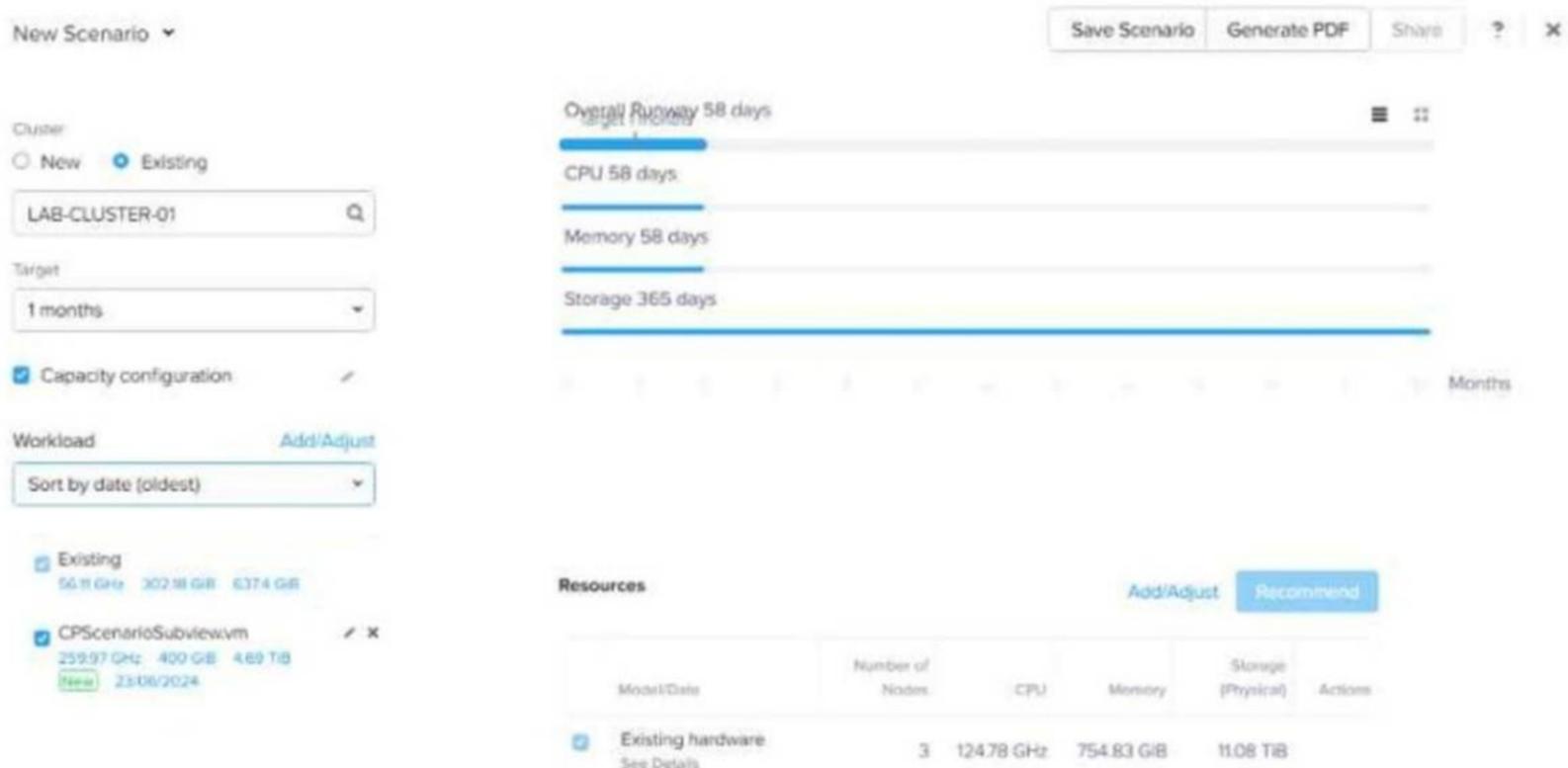
- ? Option A (Prism Element with Advertised Capacity of 100 GiB) is correct:
- ? Option B (Create in Prism Element without Advertised Capacity) is incorrect:
- ? Option C (Create in Prism Central with Reserved Capacity) is incorrect:
- ? Option D (Create in Prism Central without capacity limits) is incorrect:

References:

- ? Nutanix Storage Management Guide Creating and Managing Storage Containers
- ? Nutanix Bible Replication Factor (RF) and Data Optimization
- ? Nutanix KB Inline Compression Best Practices in Nutanix AOS

NEW QUESTION 7

Refer to Exhibit:



After adding new workloads, why is Overall Runway below 365 days and the scenario still shows the cluster is in good shape?

- A. Because Storage Runway is still good.
- B. Because new workloads are sustainable.
- C. Because there are recommended resources.
- D. Because the Target is 1 month.

Answer: B

Explanation:

In Nutanix Capacity Planning, Overall Runway represents how long the cluster can support current and new workloads before resources are exhausted. Even if the runway is below 365 days, the system considers the cluster to be in good shape if new workloads are sustainable (Option B). Option A is incorrect: Storage runway alone is not the only factor; CPU and memory are equally important. Option C is incorrect: The presence of recommended resources does not mean the cluster is in good shape. Option D is incorrect: The target of 1 month affects projections but does not explain why the cluster is in good shape.

References:

- ? Nutanix Prism Central Capacity Runway and Planning
- ? Nutanix Bible Workload Placement and Cluster Sizing
- ? Nutanix Support KB Capacity Planning Best Practices

NEW QUESTION 8

An administrator is protecting an application and its data stored on Volume Groups using Protection Domains. During failover tests, all application VMs restore successfully, but the application data is completely missing. How can the Protection Domain configuration be adjusted to avoid this issue in the future? (Choose two.)

- A. Select the "Auto protect related entities" checkbox.
- B. Manually add Volume Groups to Protected Entities.
- C. Place Volume Groups in a separate Protection Domain.
- D. Use application-consistent snapshots.

Answer: AB

Explanation:

Protection Domains (PDs) in Nutanix ensure that entire applications and their associated data are protected during failover. However, Volume Groups (VGs) are not automatically included unless explicitly configured. Option A (Select "Auto protect related entities") is correct. Option B (Manually add Volume Groups to Protected Entities) is correct. Option C (Place Volume Groups in a separate Protection Domain) is incorrect. Option D (Use application-consistent snapshots) is incorrect.

References:

- ? Nutanix Disaster Recovery Guide Protection Domain Configuration and Volume Groups
- ? Nutanix KB Ensuring Volume Groups Are Included in Disaster Recovery Failovers

NEW QUESTION 9

An administrator observes an alert in Prism for a hybrid SSD/HDD cluster: "Storage Pool SSD utilization consistently above 75%." What is the potential impact of this condition?

- A. The cluster is unable to sustain an SSD disk failure.
- B. The cluster may be nearly out of storage for metadata.

- C. The cluster is at risk of entering a read-only state.
- D. Average I/O latency in the cluster may increase.

Answer: D

Explanation:

High SSD utilization in a hybrid cluster can lead to increased I/O latency as new writes may spill over to HDDs, reducing overall performance.

? Option D (Average I/O latency in the cluster may increase) is correct:

? Option A is incorrect:

? Option B is incorrect:

? Option C is incorrect:

References:

? Nutanix Storage Performance Guide SSD Tiering and Performance Management

? Nutanix KB Managing High SSD Utilization in Hybrid Clusters

NEW QUESTION 10

An administrator is configuring Protection Policies to replicate VMs to a Nutanix Cloud Cluster (NC2) over the internet. To comply with security policies, how should data be protected during transmission?

- A. Configure Data on a self-encrypting drive.
- B. Configure VMs to use UEFI Secure Boot.
- C. Enable Data-at-Rest Encryption.
- D. Enable Data-in-Transit Encryption.

Answer: D

Explanation:

Data-in-Transit Encryption ensures that replication traffic is encrypted while being sent over the internet.

? Option D (Enable Data-in-Transit Encryption) is correct:

? Option A (Self-encrypting drive) is incorrect:

? Option B (UEFI Secure Boot) is incorrect:

? Option C (Data-at-Rest Encryption) is incorrect:

References:

? Nutanix Security Guide Configuring Data-in-Transit Encryption

? Nutanix KB Protecting Replication Traffic Over Public Networks

NEW QUESTION 10

An administrator needs to set up a protection policy in preparation for a Disaster Recovery (DR) test. What is the first step required to satisfy this task?

- A. Install NGT (Nutanix Guest Tools) on VMs where applications are supported.
- B. Create an Availability Zone between Production and DR.
- C. Convert the source cluster to AHV.
- D. Create a point-in-time snapshot of source VMs.

Answer: B

Explanation:

For Nutanix Disaster Recovery (DR) protection policies, the first step is to establish a connection between the Production cluster and the DR site, which is done by creating an Availability Zone (AZ) (Option B).

? Availability Zones (AZs) define remote sites for replication and are a requirement for configuring protection domains and disaster recovery plans.

? Option A (Installing NGT) is not necessary for setting up replication but is useful for application-consistent snapshots.

? Option C (Converting the source cluster to AHV) is not required, as Nutanix supports cross-hypervisor DR between ESXi and AHV.

? Option D (Creating a point-in-time snapshot) is a later step after setting up the Availability Zone and Protection Policy.

References:

? Nutanix Protection Policies and DR Documentation

? Nutanix Bible Disaster Recovery Planning

? Nutanix Support KB Configuring Availability Zones in Prism Central

NEW QUESTION 11

An administrator is preparing for a firmware upgrade on a host and wants to manually migrate VMs before executing the LCM upgrade. However, one VM is unable to migrate while others migrate successfully.

Which action would fix the issue?

- A. Enable Acropolis Dynamic Scheduling (ADS) at the cluster level.
- B. Update Link Layer Discovery Protocol (LLDP).
- C. Disable Agent VM within the VM configuration options.
- D. Configure backplane port groups that are assigned to the CVM.

Answer: C

Explanation:

If a VM is unable to migrate, the most likely cause is that it is an Agent VM (such as a Nutanix Witness VM or a VM with special dependencies).

? Option C (Disable Agent VM) is correct:

? Option A (Enable ADS) is incorrect:

? Option B (Update LLDP) is incorrect:

? Option D (Configure backplane port groups) is incorrect:

References:

? Nutanix Prism Element Guide Managing Agent VM Settings

? Nutanix Bible Host Maintenance and VM Live Migration

? Nutanix KB Troubleshooting VM Migration Failures in AHV

NEW QUESTION 14

What is required to create a category in Nutanix?

- A. A name and a value
- B. A policy and an entity
- C. A service and a scope
- D. A catalog and a template

Answer: A

Explanation:

Categories in Nutanix are used to group resources and require only a name and a value for definition.

- ? Option A (A name and a value) is correct:
- ? Option B (Policy and Entity) is incorrect:
- ? Option C (Service and Scope) is incorrect:
- ? Option D (Catalog and Template) is incorrect:

References:

- ? Nutanix Prism Central Guide Creating and Managing Categories
- ? Nutanix KB Using Categories for RBAC and VM Grouping

NEW QUESTION 18

Refer to Exhibit:



An administrator is looking at the memory cluster runway diagrams shown in exhibit, in Prism Central. The environment has three hosts with the following configuration:

- ? CPU: 2x Intel Xeon Gold (8 cores, 2.6 GHz)
- ? RAM: 256 GB per host
- ? Storage: SSDs and HDDs

The Intelligent Operations feature has been active for one month, but no further configurations were applied.

What does the dotted red line mean?

- A. It is the default trend analysis static threshold that can be manually set.
- B. It is the maximum memory the administrator can assign to VMs.
- C. It is the calculated memory oversubscription limit for currently running VMs.
- D. It is the usable capacity based on cluster configuration options.

Answer: D

Explanation:

The Prism Central Memory Cluster Runway Diagram provides insights into memory usage trends, predicting how long the cluster can sustain workloads before exhausting resources.

- ? The solid blue area represents the actual memory consumption over time.
- ? The dotted red line represents the effective memory capacity limit based on the cluster's current configuration.

Analyzing the Dotted Red Line

The dotted red line is labeled "Effective Capacity: 503.22 GiB", which means:

- ? It is the total usable memory capacity in the cluster after considering hypervisor overhead, redundancy settings, and failover capacity.
- ? This value is not a hard limit but an indication of the available memory before potential performance issues occur.

Evaluating the Answer Choices

- (A) It is the default trend analysis static threshold that can be manually set. (Incorrect)
 ? The dotted red line is not a static threshold that an administrator can manually configure.
 ? Trend analysis in Prism is dynamic and based on workload history and projections.
- (B) It is the maximum memory the administrator can assign to VMs. (Incorrect)
 ? Administrators can oversubscribe memory beyond the dotted red line if memory overcommitment is enabled.
 ? However, oversubscribing memory beyond effective capacity may impact performance.
- (C) It is the calculated memory oversubscription limit for currently running VMs. (Incorrect)
 ? The dotted red line does not represent oversubscription limits.
 ? Memory oversubscription depends on hypervisor memory ballooning, compression, and swapping mechanisms, which are not directly shown here.
- (D) It is the usable capacity based on cluster configuration options. (Correct Answer)
 ? The dotted red line (503.22 GiB) represents the actual usable memory available in the cluster after factoring in system overhead.
 ? This value is determined by:
 Multicloud Infrastructure References & Best Practices
 ? Prism Central's "Runway" feature provides AI-driven trend analysis for memory, CPU, and storage capacity.
 ? The effective capacity limit helps administrators make proactive scaling decisions before resources become critical.
 ? To increase the memory runway, administrators can:

NEW QUESTION 20

An administrator has been asked to calculate baseline Capacity Runway on a newly registered AHV cluster. The cluster has been running for 16 days, but no runway projections are displayed. Why are no Capacity Runway projections being displayed?

- A. Capacity Planning requires at least 30 days of data.
- B. Capacity Planning requires at least 21 days of data.
- C. Capacity Planning requires at least 3 months of data.
- D. Capacity Planning requires at least 6 months of data.

Answer: B

Explanation:

Nutanix Prism Central requires at least 21 days of usage data to generate accurate Capacity Runway projections.

- ? Option B (21 days) is correct:
- ? Option A (30 days) is incorrect:
- ? Option C (3 months) and Option D (6 months) are incorrect:

References:

- ? Nutanix Prism Central Guide Understanding Capacity Runway Calculations
- ? Nutanix KB Why No Capacity Runway Data is Displayed for New Clusters

NEW QUESTION 21

A user created a report in the Intelligent Operations Analysis Dashboard but forgot to download it. However, after logging back into Prism Central, the administrator finds that the report is no longer available. What is the most likely cause?

- A. A user with Cluster Viewer role deleted the report.
- B. The user-generated report was archived.
- C. Reports are automatically deleted after 24 hours.
- D. The report is stored in the cluster's Prism Element.

Answer: C

Explanation:

In Nutanix Prism Central, user-generated reports in Intelligent Operations are stored for a limited time and then deleted automatically.

- ? Option C (Reports are automatically deleted after 24 hours) is correct:
- ? Option A (Cluster Viewer deleted the report) is incorrect:
- ? Option B (Report was archived) is incorrect:
- ? Option D (Report stored in Prism Element) is incorrect:

References:

- ? Nutanix Prism Central Guide Intelligent Operations & Report Retention Policies
- ? Nutanix KB Why Reports in Prism Central Are Not Persisting

NEW QUESTION 23

An administrator attempted to enable Data-in-Transit Encryption on a Scale-Out Prism Central cluster to encrypt service-level traffic between nodes. However, the feature did not work correctly due to a firewall restriction. Which CVM-specific port should be allowed through the firewall for Data-in-Transit Encryption?

- A. 2009
- B. 2010
- C. 2020
- D. 9440

Answer: A

Explanation:

Data-in-Transit Encryption in Nutanix requires inter-node communication over specific CVM ports.

- ? Option A (Port 2009) is correct:
- ? Option B (Port 2010) is incorrect:
- ? Option C (Port 2020) is incorrect:
- ? Option D (Port 9440) is incorrect:

References:

- ? Nutanix Security Guide Data-at-Rest vs. Data-in-Transit Encryption

? Nutanix KBFirewall Port Requirements for Secure Cluster Communication

NEW QUESTION 25

An administrator started an LCM upgrade of the AHV hosts but realized that the upgrade would exceed the planned maintenance window. Which feature should be leveraged to prevent additional updates from occurring?

- A. Cancel the LCM tasks via the Ergon command line (ecli).
- B. Run the `lcm_task_cleanup.py` script.
- C. Restart Genesis on the cluster to restart the LCM service.
- D. Use the Stop Update feature in LCM.

Answer: D

Explanation:

When performing a Life Cycle Manager (LCM) upgrade, the recommended way to stop the process is to use the "Stop Update" feature in LCM (Option D).

? Option A (Cancel via Ergon ecli) is not a recommended approach since manually interfering with running tasks can cause inconsistencies.

? Option B (`lcm_task_cleanup.py` script) is used for post-upgrade cleanup but does not stop ongoing updates.

? Option C (Restarting Genesis) does not stop an LCM upgrade and can cause instability.

References:

? Nutanix Life Cycle Manager (LCM) User Guide

? Nutanix KB: Best Practices for Stopping and Restarting LCM Tasks

? Nutanix Prism Central LCM Feature Documentation

NEW QUESTION 28

Which storage attributes do Storage Policies manage?

- A. Storage Containers and Volume Groups
- B. Replication Factor and Encryption
- C. Shares and Object Stores
- D. Data Protection and Security

Answer: B

Explanation:

Storage Policies in Nutanix allow administrators to configure data protection and performance settings at the storage container level.

? Replication Factor (RF) defines the number of copies of data stored across nodes for fault tolerance.

? Encryption ensures that data at rest is protected via Nutanix-native encryption methods.

? Option A (Storage Containers and Volume Groups) refers to storage organization, not policies.

? Option C (Shares and Object Stores) applies to file and object storage services, not VM storage policies.

? Option D (Data Protection and Security) is a broad term but does not define specific policy attributes.

References:

? Nutanix Prism Element Storage Policies and Replication Factor (RF)

? Nutanix Bible Storage Fabric and Data Resiliency

? Nutanix KB Enabling Encryption in Storage Policies

NEW QUESTION 33

An administrator needs to perform an LCM upgrade on an AHV host with GPUs. What additional step is required before upgrading the host?

- A. Create an agent VM on each host that has GPU drivers installed.
- B. Run LCM in dark site mode so it can update AHV independently.
- C. Use Direct Uploads to upload appropriate driver bundles.
- D. Update NCC to the latest version and re-run Inventory.

Answer: C

Explanation:

Upgrading an AHV host with GPUs requires that the correct GPU drivers be manually uploaded to LCM, as GPU firmware is not updated automatically.

? Option C (Use Direct Uploads to upload appropriate driver bundles) is correct:

? Option A is incorrect:

? Option B is incorrect:

? Option D is incorrect:

References:

? Nutanix LCM Guide Manually Uploading GPU Firmware Bundles

? Nutanix KB Updating AHV Hosts with GPUs

NEW QUESTION 34

.....

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

NCP-MCI-6.10 Practice Exam Features:

- * NCP-MCI-6.10 Questions and Answers Updated Frequently
- * NCP-MCI-6.10 Practice Questions Verified by Expert Senior Certified Staff
- * NCP-MCI-6.10 Most Realistic Questions that Guarantee you a Pass on Your FirstTry
- * NCP-MCI-6.10 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

100% Actual & Verified — Instant Download, Please Click
[Order The NCP-MCI-6.10 Practice Test Here](#)