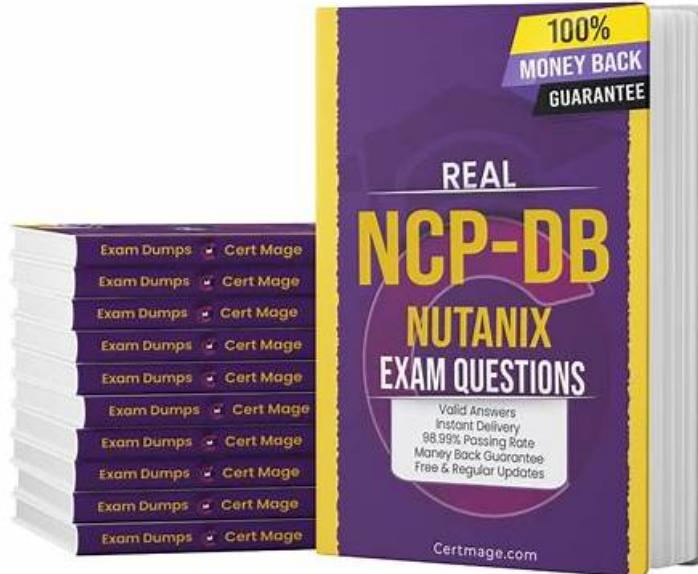


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Nutanix NCP-DB Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Protect NDB-managed Databases Using Time Machine: SLA retention policies, source databases, clones, protection of databases, and Data Access Management (DAM) policies are discussed in this topic.
Topic 2	<ul style="list-style-type: none">Deploy and Configure an NDB Solution: This topic discusses how to deploy, configure, and NDB Instance.
Topic 3	<ul style="list-style-type: none">Administer an NDB Environment: While focusing on the administration of an NDB environment, this topic focuses on managing NDB profiles, applying procedural concepts, and managing networks in NDB. Lastly, the topic explains sub-topics of managing access controls in NDB and identifying how to use NDB APIs and CLI.
Topic 4	<ul style="list-style-type: none">Monitor Alerts and Storage Usage Within an NDB Implementation: It is all about monitoring alerts and management of storage usage.

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Nutanix Certified Professional - Database Automation (NCP-DB) v6.5 Sample Questions (Q13-Q18):

NEW QUESTION # 13

Refer to the exhibit.

[2023-01-18 16:35:55,131] [148584367732544] [INFO] [8000-NOPID],Operation results	
Operation Name	Provision Availability Group Database
Operation Status	FAILED
Failure Time	2023-01-18 14:33:46 (America/New_York)
Failed Step	Create and Register Database Server VMs
Operation Error	Provisioning of all the observers simultaneously took more than two hours

An administrator attempts to provision their first clustered database environment with NDB. The operation fails with the Operation Error shown in the exhibit.

Which database engine was being deployed during this operation?

- A. MySQL
- B. Oracle
- C. PostgreSQL
- D. Microsoft SQL

Answer: A

Explanation:

The error message in the exhibit indicates that the operation failed during the "Create and Register Database Server VMs" step because "Provisioning of all the observers simultaneously took more than two hours." This type of error is associated with MySQL, as it involves observers which are a part of MySQL Group Replication, used for ensuring high availability¹. The other options are not related to the error message, as they do not use observers or Group Replication for clustering. References:

* 1: Nutanix Database Automation (NCP-DB) course, Module 5: Database High Availability, Lesson 5.2:

MySQL Group Replication, slide 7

NEW QUESTION # 14

An administrator needs to migrate a large I/O-intensive database that doesn't support multi-disk layout.

How should the storage be provisioned with Era to support the database while optimizing performance?

- A. Volume Group
- B. vDisk based provisioning
- C. Volume Group with Load Balancing
- D. Storage Spaces

Answer: A

Explanation:

In Nutanix Era, a Volume Group is the recommended storage provisioning method for a large I/O-intensive database that doesn't support a multi-disk layout¹. A Volume Group in Nutanix Era is a collection of disks that can be managed as a single entity, providing a way to aggregate the storage capacity of multiple disks into a larger storage unit¹. This allows for better performance optimization as it enables the database to leverage the combined I/O capabilities of all the disks in the group¹. It's important to note that while other options like Load Balancing, Storage Spaces, and vDisk based provisioning can also be used in certain scenarios, a Volume Group is specifically designed for situations where a single, high-performance storage unit is required¹.

NEW QUESTION # 15

Exhibit.

Name	Roles	Source	Email
ndb_test	Database Infrastructure Admin	Local User	

An administrator just created the ndb_test user as shown in the exhibit. Which two tasks can this user perform? (Choose two.)

- A. Network Profiles
- B. Clones
- C. Access Control
- D. NDB Configuration

Answer: B,D

Explanation:

The exhibit shows the NDB user management interface with a newly created user named "ndb_test" assigned the "Database Infrastructure Admin" role and sourced as a "Local User." In NDB, the "Database Infrastructure Admin" role grants specific permissions, allowing the user to manage database-related tasks such as creating, managing, and deleting clones, as well as performing configuration tasks within the NDB environment (e.g., updating settings or managing database servers). However, this role does not extend to higher-level administrative functions like Access Control or Network Profiles, which are reserved for roles with broader administrative privileges (e.g., System Administrator).

- * Option A (Access Control) is incorrect because managing user access and roles requires a higher privilege level, such as System Administrator, not Database Infrastructure Admin.
- * Option B (Network Profiles) is incorrect because configuring network profiles is an administrative task outside the Database Infrastructure Admin scope.
- * Option C (Clones) is correct as the Database Infrastructure Admin role includes permissions to create and manage clones using Time Machine.
- * Option D (NDB Configuration) is correct as this role allows configuration of database-related settings within NDB, such as registering VMs or adjusting database parameters.

Thus, the "ndb_test" user can perform clone management and NDB configuration tasks.

References

- * Nutanix Database Service (NDB) User Guide, Chapter 6: Administering an NDB Environment, Section: User Roles and Permissions
- * Nutanix Certified Professional - Database Automation (NCP-DB) v6.5 Blueprint, Section 6: Administer an NDB Environment

NEW QUESTION # 16

Which action should be completed before updating Oracle Database software?

- A. Perform rolling reboots of the Oracle Database VMs.
- B. Download the PSU from Oracle support.
- C. Verify the Oracle OS version is supported on AHV.
- D. Verify CVMs have the required memory allocated.

Answer: B

Explanation:

Before updating Oracle Database software, you need to download the Patch Set Update (PSU) from Oracle support. A PSU is a collection of critical and security patches for Oracle products. You need to have a valid Oracle account and access to the My Oracle Support portal to download the PSU. You also need to check the compatibility and prerequisites of the PSU before applying it to your Oracle Database software. NDB uses out-of-place patching for Oracle, which means you need to create a new software profile version with the patched Oracle software and use it to update your existing databases. References:

- * Patch Oracle Database Software, Nutanix Support & Insights
- * Nutanix Certified Professional - Database Automation (NCP-DB), Section 4 - Operate and Maintain an NDB Environment

NEW QUESTION # 17

An administrator needs to enable multi-cluster to setup NDB HA.

What should the administrator configure for the NDB Agent to satisfy this requirement?

- A. Network Profile
- B. Name Prefix
- C. Compute Profile
- D. Static VLAN

Answer: A

Explanation:

To enable multi-cluster setup for NDB High Availability (HA), the administrator must configure the NDB Agent with a Network Profile. A Network Profile defines the networking settings (e.g., VLANs, IP ranges) that the NDB Agent uses to communicate across clusters. This is critical for multi-cluster HA, as it ensures consistent network configuration for replication, failover, and data synchronization between clusters. The Network Profile must be properly configured to handle inter-cluster traffic and latency requirements (e.g., <25ms RTT).

Other options are irrelevant:

- * A. Name Prefix: Used for naming conventions, not network configuration.
- * C. Static VLAN: A component of a Network Profile, but not the full configuration needed.
- * D. Compute Profile: Defines VM resources (CPU, memory), not networking for HA.

Thus, the verified answer is B, aligning with multi-cluster HA networking needs.

Official Nutanix Database Automation References

- * Nutanix Database Management & Automation (NDMA) course, Module 4: High Availability and Disaster Recovery, Lesson 4.2: Configuring Multi-Cluster HA.
- * Nutanix Certified Professional - Database Automation (NCP-DB) v6.5 Knowledge Objectives, Section 4: Troubleshoot NDB Solutions, Objective 4.3: Configure HA Across Clusters (applicable to v6.10).
- * Nutanix NDB Administration Guide: "Configuring Network Profiles for Multi-Cluster HA" section.

NEW QUESTION # 18

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