

NCP-DB Testing Center - NCP-DB Interactive Testing Engine



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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">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 3	<ul style="list-style-type: none">Deploy and Configure an NDB Solution: This topic discusses how to deploy, configure, and NDB Instance.

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Nutanix Certified Professional - Database Automation (NCP-DB) v6.5 Sample Questions (Q78-Q83):

NEW QUESTION # 78

Refer to the exhibit.



<input type="radio"/> bsmith	Super Admin	Local User
<input type="radio"/> bsmith@ntnxiab.local	Database Admin	AD Group

An administrator, whose accounts are shown in the exhibit, is trying to add a new database admin as a local user to NDB, but is unable to complete the task.

What is most likely the cause of the issue?

- A. Only users in the domain admins group can create local users.
- B. An email address is required for the Super Admin account.
- C. The administrator is logged in with the Super Admin account.
- **D. The administrator is logged in with the Database Admin account.**

Answer: D

Explanation:

Based on the exhibit, the administrator is logged in with the Database Admin account (bsmith@ntnxiab.local), which does not have the permission to create local users on NDB. Only the Super Admin account (bsmith) has this permission, as indicated by the User type column. Therefore, the administrator needs to log out and log in again with the Super Admin account to add a new database admin as a local user to NDB. References: Nutanix Database Automation (NCP-DB) Course Details, Nutanix Database Automation (NCP-DB) Certification Details, Nutanix Database Automation (NCP-DB) YouTube Playlist, Nutanix Database Automation User Guide.

NEW QUESTION # 79

NDB sends alert notifications using the configurations that were pulled from the cluster and auto-populated during the first configuration. It has been required to use a dedicated server.

Which configuration should be changed?

- **A. SMTP Server in NDB Service**
- B. IDP configuration in Admin Center IAM page
- C. Alert Email configuration in Prism Element
- D. SNMP configuration in Prism Central

Answer: A

Explanation:

NDB sends alert notifications using configurations auto-populated from the cluster during the initial setup, typically relying on default SMTP settings. If a dedicated SMTP server is required (e.g., for security or compliance), the administrator must change the SMTP Server configuration in NDB Service. This is configured under the NDB Admin Center, where the administrator can specify the dedicated SMTP server's details (e.g., hostname, port, credentials, and security settings like TLS/SSL).

Other options are incorrect:

- * A. IDP configuration in Admin Center IAM page: Identity Provider (IDP) settings are for authentication, not email alerts.
- * B. Alert Email configuration in Prism Element: Prism Element manages cluster alerts, not NDB- specific email settings.
- * D. SNMP configuration in Prism Central: SNMP is for network monitoring, not email notifications.

Thus, the verified answer is C, reflecting NDB's alert notification setup.

Official Nutanix Database Automation References

* Nutanix Database Management & Automation (NDMA) course, Module 6: Monitoring and Alerts, Lesson 6.1: Configuring Alert Notifications.

* Nutanix Certified Professional - Database Automation (NCP-DB) v6.5 Knowledge Objectives, Section 6: Optimize NDB Solutions, Objective 6.2: Manage Alerts (applicable to v6.10).
* Nutanix NDB Administration Guide: "Configuring SMTP for Alerts" section.

NEW QUESTION # 80

An administrator was asked to change the snapshot schedule for a given database. The administrator discovered that the time machine is in a paused state.

How should the administrator change the schedule?

- **A. Select the Time Machine; under Action select Update and define an appropriate schedule.**
- B. Select Time Machine: Under actions Resume the Time Machine and then Update to define an appropriate schedule.
- C. Clone the database and define an appropriate schedule for the clone.
- D. Clone the Time Machine and define an appropriate schedule for the clone.

Answer: A

Explanation:

According to the Nutanix Database Automation (NCP-DB) learning documents, an administrator can change the snapshot schedule for a given database by selecting the Time Machine, then under Action, select Update and define an appropriate schedule. This is because the Time Machine in Nutanix Era allows you to specify the number of backups or snapshots the time machine should take, the time of day it takes those snapshots, and the day of the week it takes weekly or monthly backups. These options help you build a complete schedule of time machine capture operations. Even if the Time Machine is in a paused state, the administrator can still update the schedule. Cloning the Time Machine or the database is not necessary for changing the snapshot schedule.

NEW QUESTION # 81

A request is received to refresh a database clone from a new manual snapshot. When the administrator attempts to create the new snapshot from the Time Machine, it is in a Frozen state.

What causes a Time Machine to enter the Frozen state and what are the administrator's options to complete the request?

- A. Cause: The Time Machine enters a Frozen state after too many snapshot or log catchup failures. Resolution: Remediate the snapshot or log catchup failures, this thaws the Time Machine, allowing normal operations to continue and the request can be completed.
- **B. Cause: The Time Machine enters a Frozen state when the database is de-registered without removing the Time Machine. Resolution: To complete the request the database must be re-registered in NDB, this thaws the Time Machine and it resumes operation so the clone can be refreshed.**
- C. Cause: The Time Machine enters a Frozen state when the database is de-registered without removing the Time Machine. Resolution: The Time Machine must be paused, then the database re-registered with a new Time Machine and a new clone created.
- D. Cause: The Time Machine enters a Frozen state when the database is de-registered without removing the Time Machine. Resolution: To complete the request the database must be re-registered in NDB, create a new Time Machine and create a new clone.

Answer: B

Explanation:

A Time Machine is a core construct of the copy data management service in NDB that captures and manages the data of a database to deliver a recovery point objective (RPO) SLA. A Time Machine can enter a Frozen state for various reasons, such as database de-registration, snapshot or log catchup failures, or manual intervention. When a Time Machine is in a Frozen state, it stops taking new snapshots and log backups, and cannot perform any clone, refresh, or restore operations. To resume the normal operation of a Time Machine, it must be thawed by resolving the root cause of the freeze. One of the common causes of a Time Machine freeze is when the database is de-registered from NDB without removing the Time Machine. This can happen when the administrator wants to move the database to a different NDB instance or cluster, or when the database is accidentally de-registered. In this case, the Time Machine becomes orphaned and frozen, and cannot be used for any operations. To complete the request to refresh a database clone from a new manual snapshot, the administrator must first re-register the database in NDB using the same database name and ID as before. This will automatically thaw the Time Machine and resume its operation. The administrator can then create a new manual snapshot from the Time Machine and use it to refresh the database clone. The other options are not correct, as they either require unnecessary steps or do not address the root cause of the freeze. References:

* Nutanix Certified Professional - Database Automation (NCP-DB) v6.5, Section 5 - Protect NDB-managed Databases Using Time Machine, Objective 5.1: Create, delete, and modify SLA retention policies

* Nutanix Database Management & Automation (NDMA) Course, Module 4: Nutanix Database Service (NDB) Data Protection, Lesson 4.1: Data Protection Overview, Topic: Time Machine Concepts

* Nutanix Support & Insights, TN-2101: Nutanix Database Service Time Machine Under the Hood, Section: Time Machine States and Transitions

NEW QUESTION # 82

A quality assurance team noticed a significant change between a cloned database they are currently using versus the one used one week ago. They created an SQL script to verify the differences.

Which task should be performed by an NDB administrator to provide the correct database to the QA team?

- **A. Clone database selecting Point in Time data.**
- B. Replicate a selected snapshot.
- C. Create a clone database from a snapshot.
- D. Perform a Log Catch Up operation.

Answer: A

Explanation:

When a quality assurance (QA) team notices a significant change between a cloned database currently in use and one used a week ago, and they have an SQL script to verify differences, the NDB administrator needs to provide a clone reflecting the database state from a week ago. The task "Clone database selecting Point in Time data" allows the administrator to select a specific point-in-time snapshot (e.g., from a week ago) using the Time Machine feature. This creates a new clone with the exact data state at that time, enabling the QA team to compare it with the current clone.

* Option A (Replicate a selected snapshot) is incorrect because replication is for HA, not creating a usable clone for QA.

* Option B (Create a clone database from a snapshot) is incorrect because it does not specify point-in-time selection, limiting flexibility to the latest snapshot.

* Option C (Clone database selecting Point in Time data) is correct as it allows precise selection of the week-old data state.

* Option D (Perform a Log Catch Up operation) is incorrect because Log Catch Up applies recent logs, not reverting to a past state.

This approach meets the QA team's need for historical data comparison.

References

* Nutanix Database Service (NDB) User Guide, Chapter 5: Configuring Time Machines, Section:

Cloning with Point-in-Time Data

* Nutanix Certified Professional - Database Automation (NCP-DB) v6.5 Blueprint, Section 5: Protect Databases Using Time Machine

NEW QUESTION # 83

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