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**Vendor:** IBM

**Exam Code:** 000-553

**Exam Name:** IBM Certified Specialist Netezza Performance  
Software v6.0

**Version:** Demo

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**QUESTION NO: 1**

Which CREATE DATABASE attributes are required?

- A. The database name.
- B. The database name and the redo log file name.
- C. The database name and the table space name.
- D. The database name and the temporary table space name.

**Answer: A**

**QUESTION NO: 2**

Which statement is true for database users and groups?

- A. All users must belong to admin group.
- B. Creation of users and groups is not allowed.
- C. Users and groups are local and tied to a particular database.
- D. Users and groups are global and not tied to a particular database.

**Answer: D**

**QUESTION NO: 3**

What is the maximum number of columns you can choose as organizing keys for clustered base table?

- A. 1
- B. 2
- C. 4
- D. 8

**Answer: C**

**QUESTION NO: 4**

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Which two characteristics describe the materialized view on TwinFin. (Choose two.)

- A. Materialized views can contain aggregates.
- B. Materialized views can contain a HAVING clause.
- C. Materialized views can contain a WHERE clause.
- D. Materialized views can contain an ORDER BY clause.
- E. Materialized views can reference only one base table in the FROM clause.

**Answer: D,E**

**QUESTION NO: 5**

Which statement is true regarding any database user?

- A. The user has a table space defined.
- B. The user can be assigned to more than one group.
- C. The user must have a corresponding host account.
- D. The user can be removed from the default PUBLIC group.

**Answer: B**

**QUESTION NO: 6**

When working with sequences, which of the following statements will always be true?

- A. One-up numbers are generated.
- B. Integers (whole numbers) are generated.
- C. The first value generated is the number 1.
- D. The sequence number assigned will be unique across all tables and databases.

**Answer: B**

**QUESTION NO: 7**

When are zonemaps initially created for a table?

- 
- A. nzbackup
  - B. nzreclaim
  - C. CREATE TABLE
  - D. ALTER TABLE ADD ZONEMAPS

**Answer: C**

#### **QUESTION NO: 8**

Columns in a table may be zonemapped. How are those columns chosen?

- A. They are automatically selected by the system.
- B. They are based on the same columns as the table's distribution key.
- C. They are added via the ALTER TABLE ADD INDEX(column\_name) statement.
- D. They are added via the ALTER TABLE ADD ZONEMAP(column\_name) statement.

**Answer: A**

#### **QUESTION NO: 9**

Which clause CANNOT be used with a CREATE VIEW statement?

- A. SUM ()
- B. GROUP BY
- C. ORDER BY
- D. OUTER JOIN

**Answer: C**

#### **QUESTION NO: 10**

What is a characteristic of a column that is based on the TIMESTAMP datatype?

- A. It includes a date portion.
- B. It includes a timezone offset.

- 
- C. The value is reevaluated each time the row is selected.
  - D. The value is initially assigned when the row is first created.

**Answer: A**

**QUESTION NO: 11**

When creating a table, you can specify a column constraint for each individual column of either "NULL" or "NOT NULL". When column values are later evaluated within a query statement, which of these is true?

- A. 0 is equal to null, the empty string ( " ) is equal to null.
- B. 0 is equal to null, the empty string ( " ) is not equal to null.
- C. 0 is not equal to null, the empty string ( " ) is equal to null.
- D. 0 is not equal to null, the empty string ( " ) is not equal to null.

**Answer: D**

**QUESTION NO: 12**

After performing a GROOM on a clustered base table, which statement is true?

- A. The table is redistributed on the ORGANIZE ON clause.
- B. The table is reorganized on the ORGANIZE ON clause.
- C. The table is reorganized on the DISTRIBUTE ON clause.
- D. The table is redistributed on the DISTRIBUTE ON clause.

**Answer: B**

**QUESTION NO: 13**

Which two statistical data points are automatically updated when performing an INSERT on a table? (Choose two.)

- A. The number of rows in the table.

- 
- B. The column histogram statistics.
  - C. The number of NULLs in each column.
  - D. The number of unique values in each column.
  - E. The minimum and maximum column value information (excluding text columns).

**Answer: A,E**

**QUESTION NO: 14**

Using a date column as a distribution key may distribute rows evenly across dataslices, why is this a poor choice of a distribution key?

- A. Queries on the table will invoke compression.
- B. Queries on date range may involve processing skew.
- C. Queries on date range will utilize only host processing.
- D. Queries on the table will invoke compression on the date columns.

**Answer: B**

**QUESTION NO: 15**

Why should you avoid using Boolean data types as a distribution key for a table ?

- A. Table will not join.
- B. Table will not broadcast.
- C. Table is likely to be skewed.
- D. Table is likely to be evenly spread across data slices.

**Answer: C**

**QUESTION NO: 16**

Which statement about the TwinFin Groom feature is true?

- A. GROOM TABLE requires space to make a complete copy of the table.

- 
- B.** GROOM TABLE only operates on tables that include an ORGANIZE ON clause.
  - C.** GROOM TABLE prevents nzload from adding data while GROOM is in progress.
  - D.** GROOM TABLE allows UPDATE, DELETE, and INSERT operations to occur while GROOM is in progress.

**Answer: D**

**QUESTION NO: 17**

What should be considered when you are asked to select the distribution key columns for a very large fact table?

- A.** As many columns as possible.
- B.** Columns that contain many nulls.
- C.** Columns that contain few unique values.
- D.** Columns used to join to other large tables.

**Answer: D**

**QUESTION NO: 18**

What is the raw user data space available on a TwinFin 24?

- A.** 24TB
- B.** 48TB
- C.** 64TB
- D.** 100TB

**Answer: C**

**QUESTION NO: 19**

What is the TwinFin host Linux file that must be modified to adjust optimizer settings permanently?

- 
- A. /nz/data/postgresql.conf
  - B. /nz/data/config/system.cfg
  - C. /nz/kit/sys/initTopology.cfg
  - D. /nz/kit/log/sysmgr/sysmgr.log

**Answer: A**

**QUESTION NO: 20**

Click on the exhibit.



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## **CREATE Table TableA**

```
( c_custkey      integer,  
  c_name        varchar(25),  
  c_address     VARCHAR(40),  
  c_nationkey   integer,  
  c_phone       character(15),  
  c_acctbal     numeric(15,2),  
  c_mktsegment  character(10),  
  c_comment     VARCHAR(117)  
) DISTRIBUTE ON ( c_custkey );
```

## **CREATE TABLE TableB**

```
( o_orderkey     integer,  
  o_custkey     integer,  
  o_orderstatus  character(1),  
  o_totalprice  numeric(15,2),  
  o_orderdate   date,  
  o_orderpriority character(15),  
  o_clerk       character(15),  
  o_shippriority integer,  
  o_comment     VARCHAR(79)  
) DISTRIBUTE ON ( o_custkey );
```

Given the following query:

```
SELECT * FROM TableA, TableB WHERE TableA.c_custkey = TableB.o_custkey;
```

What type of join processing will occur when the query is executed?

- A. Collocation hash join processing
- B. Distributed hash join processing
- C. Broadcast sort merge join processing

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D. Replication sort merge join processing

**Answer: A**

**QUESTION NO: 21**

Why is generating statistics on a table important to query performance?

- A. The table statistics are used to facilitate disk space reclamation of deleted rows.
- B. The optimizer uses statistics to determine the optimal execution plan for queries.
- C. The Zone Map information cross references the table statistics for each column to avoid scanning.
- D. The Field Programmable Gate Array (FPGA) utilizes the statistics to identify which row/columns to filter.

**Answer: B**

**QUESTION NO: 22**

How many S-Blades are housed in a TwinFin 12 single-rack system?

- A. 2 S-Blades.
- B. 12 S-Blades.
- C. 96 S-Blades.
- D. 108 S-Blades.

**Answer: B**

**QUESTION NO: 23**

In a standard TwinFin 24 architecture, how many active disks plus spares are there?

- A. 184 + 8 disks.
- B. 188 + 4 disks.
- C. 192 + 0 disks.

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D. 196 + 4 disks.

**Answer: A**

**QUESTION NO: 24**

Which is NOT a function of the Field Programmable Gate Arrays (FPGA) residing on the Netezza Database Accelerator card?

- A. Projects
- B. Restricts
- C. Aggregates
- D. Decompresses

**Answer: C**

**QUESTION NO: 25**

What TwinFin component is responsible for controlling a TwinFin disk?

- A. S-Blade (Snippet-Blade)
- B. SFI (Switching Fabric Interface)
- C. FPGA (Field Programmable Gate Array)
- D. DRBD (Distributed Replicated Block Device)

**Answer: A**

**QUESTION NO: 26**

How many S-blades does a single Snippet Processing Array (SPA) TwinFin 12 chassis contain?

- A. 4
- B. 6
- C. 8
- D. 10

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**Answer: B**

**QUESTION NO: 27**

In a standard TwinFin 12 architecture, how many active dataslices are there?

- A. 92 dataslices.
- B. 96 dataslices.
- C. 108 dataslices.
- D. 112 dataslices.

**Answer: A**

**QUESTION NO: 28**

Which condition will interrupt a query running on a fully operational TwinFin 12 system?

- A. One fan fails.
- B. One disk fails.
- C. Active host fails.
- D. One power supply fails.

**Answer: C**

**QUESTION NO: 29**

Which is a function of the Linux-HA heartbeat?

- A. Performs regeneration of failed disks on the hosts.
- B. Manages communication and processes on the S-Blades.
- C. Performs disk partitioning and status of jobs on the S-Blades.
- D. Manages communication and status of services on the hosts.

**Answer: D**

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**QUESTION NO: 30**

nzload is invoked with the "allowReplay" option enabled. While the Netezza Appliance changes state from online to pausing then to online, which statement is true about the nzload process on the Appliance?

- A. nzload will fail.
- B. nzload automatically continues without user intervention.
- C. nzload must be stopped and resumed by the user from the last check point.
- D. nzload automatically restarts but the user must remove the allowReplay option.

**Answer: B**

**QUESTION NO: 31**

What is the state of the two hosts on a properly functional Netezza Appliance?

- A. Active - Active
- B. Active - Stand by
- C. Stand by - Backup
- D. Stand by - Passive

**Answer: B**

**QUESTION NO: 32**

Which statement describes administrative privileges?

- A. Provides audit functionality for the database.
- B. Manages resource allocations for concurrent processing.
- C. Gives permission to execute global operations and to create objects.
- D. Gives additional storage to select members of the administrator group.

**Answer: C**

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**QUESTION NO: 33**

When setting up a crontab entry, what must be done on a TwinFin server?

- A. Create an nzcron event.
- B. Stop and start the appliance
- C. nzstop/nzstart the database
- D. Add entry to active host and standby host.

**Answer: D**

**QUESTION NO: 34**

When enabled, query history always collects information about login failures, session creation, session termination, and query history process startup. About which areas does query history NOT collect data?

- A. Plans
- B. Disks
- C. Tables
- D. Queries

**Answer: B**

**QUESTION NO: 35**

With LDAP enabled, which of the following is verified against an LDAP server?

- A. Database user ADMIN privileges.
- B. Database user SELECT privileges.
- C. Database user GROUP authentication.
- D. Database user password authentication.

**Answer: D**

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**QUESTION NO: 36**

In order for an ODBC application running on Microsoft Windows to connect to Netezza, which two steps must be performed? (Choose two.)

- A. Install nzsqli for Windows.
- B. Install nzAdmin for Windows.
- C. Install an ODBC Driver Manager for Windows.
- D. Install the Netezza ODBC driver for Windows.
- E. Create or modify a Data Source Name (DSN) for a connection to a database.

**Answer: D,E**

**QUESTION NO: 37**

OLE-DB based applications requires which Netezza software?

- A. Install the nzload bulk load for windows.
- B. Install the Netezza JDBC driver for windows.
- C. Install the Netezza ODBC driver for windows.
- D. Install the Netezza OLE-DB Driver for windows.

**Answer: D**

**QUESTION NO: 38**

Name the CLI application that allows you to load data from ASCII files to database tables?

- A. nzload
- B. loadmgr
- C. nzimport
- D. nzrestore

**Answer: A**

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**QUESTION NO: 39**

What function can nzbackup perform?

- A. Backs up pg.log files.
- B. Backs up TEMP tables.
- C. Backs up Netezza host data (catalog metadata).
- D. Backs up the data using the specified number of streams.

**Answer: D**

**QUESTION NO: 40**

Which nzload operation statement is correct?

- A. nzload must have a control file.
- B. nzload performs singleton inserts.
- C. nzload must be run from the TwinFin host.
- D. nzload user must have CREATE EXTERNAL TABLE privilege.

**Answer: D**

**QUESTION NO: 41**

Which statement is true?

- A. MATERIALIZED VIEWS can be run against EXTERNAL tables.
- B. GENERATE STATISTICS can be run against EXTERNAL tables.
- C. EXTERNAL table data is deleted using the SQL DELETE command.
- D. EXTERNAL tables can be used to unload data to a Microsoft Windows directory.

**Answer: D**



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**QUESTION NO: 42**

An ETL/ODBC application is inserting 1 million records in a single transaction against Netezza. 1 million individual INSERT SQL statements are generated. What can make this faster?

- A. Use a COPY command.
- B. Use an EXTERNAL TABLE.
- C. Increase the Socket Buffer Size.
- D. Set the COMMIT interval to 10,000.

**Answer: B**

**QUESTION NO: 43**

When unloading data via an external table, where can the SQL be submitted?

- A. A User Defined Function
- B. nzsqli on an AIX machine networked to TwinFin
- C. nzsqli on Microsoft Windows networked to TwinFin
- D. An ODBC application on Windows networked to TwinFin

**Answer: D**

**QUESTION NO: 44**

You have access to two databases DEV and PROD. Currently you are connected to the DEV database. Which operation is permitted?

- A. Delete from PROD..TableA
- B. Select \* from PROD..TableA
- C. Truncate table PROD..TableA
- D. Insert into PROD..TableA select \* from DEV..TableB

**Answer: B**

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**QUESTION NO: 45**

Which statement is NOT true?

- A. nzrestore can restore selected tables.
- B. nzrestore can restore from an nzbackup UNIX pipe.
- C. nzrestore can restore to a different database from the backup database.
- D. nzrestore can restore to a different TwinFin model from the backup TwinFin Model.

**Answer: B**

**QUESTION NO: 46**

A group has a resource allocation maximum of 50% and the job maximum is set to 1. Two users within this resource group each execute 1 job at the same time, which statement is correct?

- A. Each job gets 25% and both run at the same time.
- B. Each job gets 50% but only one job runs at a time.
- C. Each job gets 50% and both run at the same time.
- D. You cannot set the job maximum per resource group.

**Answer: B**

**QUESTION NO: 47**

In order to set a runaway query event to trigger when a query runs longer than two minutes, which two items must be configured? (Choose two.)

- A. The runaway query event is enabled.
- B. The pg.log file is configured for two minutes.
- C. The runaway query event is configured for two minutes.
- D. The nzsystem command was used to set the QUERYTIMEOUT to two minutes.
- E. The CREATE USER command was used to set the QUERYTIMEOUT to two minutes.

**Answer: A,E**

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**QUESTION NO: 48**

The Netezza system implements which one of the following levels of transaction isolation?

- A. Serializable
- B. Committed read
- C. Repeatable read
- D. Uncommitted read

**Answer: A**

**QUESTION NO: 49**

What two conditions must be met to achieve a collocated join between two tables? (Choose two.)

- A. Both tables have primary keys defined.
- B. Both join columns have the same name.
- C. Both tables must be distributed on random.
- D. Both join columns have identical data types.
- E. Both tables must be distributed on their join column.

**Answer: D,E**

**QUESTION NO: 50**

Where are the database log files located?

- A. /var/log
- B. /usr/local
- C. /nz/kit/log
- D. The SYSTEM database

**Answer: C**

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