

# 100% Money Back Guarantee

**Vendor:** IBM

**Exam Code:** C2090-540

**Exam Name:** IBM PureData System for Analytics v7.0

**Version:** Demo

**QUESTION: 1**

A SELECT statement spends all its time returning 1 billion rows. What can be done to make this faster?

- A. Use a CURSOR.
- B. Use an EXTERNAL table.
- C. Use the COPY command.
- D. Increase the PreFetch Count.

**Answer: B**

**QUESTION: 2**

What function can nzbakup perform?

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

**Answer: D**

**QUESTION: 3**

nzbakup/nzrestore with the -user option has been replaced with which option to allow multi-level security (MLS) information, such as categories, cohorts, and levels to be backed up/restored?

- A. -all B. -mls C. -users
- D. -globals

**Answer: D**

**QUESTION: 4**

When loading a local ASCII file into table via an external table, where can the SQL be submitted?

- A. From a User Defined Function.
- B. From a JDBC application networked to the system.
- C. From nzsqli on an AIX machine networked to the system.
- D. From nzsqli on Microsoft Windows networked to the system.

**Answer:** B

**QUESTION:** 5

Which is NOT a function that can be performed by nzbackup?

- A. Backup data
- B. Backup schemas
- C. Backup users/groups
- D. Backup the /nz/data directory

**Answer:** D

**QUESTION:** 6

Which nzload operation statement is correct?

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

**Answer:** C

**QUESTION:** 7

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

**QUESTION:** 8

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

**QUESTION:** 9

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

**QUESTION:** 10

What is required to troubleshoot a query?

- A. nzevents and the pg.log.
- B. nzsql and the ODBC config.
- C. nzinventory and the dbos.log.
- D. nzdumpschema and the execution plan.

**Answer:** D

**QUESTION: 11**

Given a plan ID, how would you obtain the query execution plan? (Choose two.)

- A. Turn ODBC tracing ON.
- B. Issue "SELECT \* FROM \_V\_SESSION;"
- C. Go to the query history within the Windows NzAdmin GUI tool.
- D. Run EXECUTION PLAN before the query has been submitted.
- E. Issue "SHOW PLANFILE <nn>;" after the query has been submitted.

**Answer:** C, E

**QUESTION: 12**

When is the ToplogyImbalance event triggered?

- A. When a SAS switch has failed.
- B. When the path the path between an S-Blade and its disks has failed.
- C. When a disk enclosure's voltage sensor is reading outside the nominal range.
- D. When an S-Blade has ownership of more dataslices than is optimal (usually following a disk replacement).

**Answer:** D

**QUESTION: 13**

Which component failure does NOT trigger a HardwareServiceRequested event?

- A. Fan
- B. Disk
- C. Host
- D. S-Blade

**Answer:** C

**QUESTION: 14**

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

**QUESTION:** 15

The query history data collected DOES NOT provide insight to which of the type of performance and behavior questions?

- A. The typical or most common types of queries.
- B. The longest and shortest running queries on the system.
- C. The queries submitted by specific users or groups of users.
- D. The rotational speed of the disk drives during query execution.

**Answer:** D

**QUESTION:** 16

When setting up a crontab entry, what must be done on a PureData System for Analytics server?

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

**Answer:** D

**QUESTION:** 17

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**

**QUESTION: 18**

Which High-Availability (HA) mechanism is used by the PureData System for Analytics Appliance?

- A. AIX-HA
- B. Linux-HA
- C. SuSE-HA
- D. Solaris-HA

**Answer: B**

**QUESTION: 19**

Which condition will NOT fail or restart a running query on a PureData System for Analytics Appliance?

- A. Disk resets or fails.
- B. Host resets or fails.
- C. S-Blade resets or fails.
- D. Snippet Processing Unit (SPU) resets or fails.

**Answer: A**

**QUESTION: 20**

Which condition will interrupt a query running on a fully operational PureData System for Analytics?

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

**Answer: C**

**QUESTION: 21**

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: 22**

Given the following query: `Select count(*) from TableA;` How can you view the query plan without executing the query?

- A. Use `explain`.
- B. Use `statistics`.
- C. Use `pg.log file`.
- D. Set `show_plan = true;`

**Answer: A**

**QUESTION: 23**

TableA is currently being accessed in a number of long running queries. Which of the following operations is NOT blocked, thus allowing the operation to immediately proceed?

- A. `DROP TABLE TableA`
- B. `ALTER TABLE TableA`
- C. `TRUNCATE TABLE TableA`
- D. `GRANT SELECT ON TableA TO UserA`

**Answer: D**



**QUESTION: 24**

If 'admin' user is running a query, what percentage of resources are available when Guaranteed Resource Allocation (GRA) is Enabled?

- A. The maximum GRA assigned to the ADMIN group.
- B. The maximum GRA assigned to the PUBLIC group.
- C. 100% of the resources while other resource groups are active.
- D. Typically half of the resources while other resource groups are active.

**Answer: D**

**QUESTION: 25**

What CANNOT be measured and managed by system views?

- A. Temperature values on S-blade.
- B. Status of the host attached storage.
- C. Power supply status for each frame.
- D. Resource group utilization and history.

**Answer: B**

**QUESTION: 26**

What will occur when two tables are joined together and the data is NOT collocated?

- A. No data movement is required.
- B. A merge join operation will be performed.
- C. A cluster based join method is performed.
- D. Data is dynamically redistributed or broadcasted.

**Answer: D**

**QUESTION: 27**

When a temporary table is created, where will the data be stored?

- A. On the host under the /nz/tmp directory.
- B. On the S-Blades under the data partition.
- C. Held in physical memory on the S-Blades.
- D. On the S-Blades under the swap partition.

**Answer:** B

**QUESTION:** 28

What is the limitation on join types with floating-point data types?

- A. The system does not have a limitation on floating-point data types.
- B. The system cannot perform any type of join on floating-point data types.
- C. The system cannot perform a fast sort merge join on a floating point data type, but instead must perform a slower hash join.
- D. The system cannot perform a fast hash join on a floating point data type, but instead must perform a slower sort merge join.

**Answer:** D

**QUESTION:** 29

Which statement is true about data flowing in/out of the PureData System for Analytics Appliance?

- A. Bypasses the host.
- B. Flows through the host.
- C. Compressed on the host.
- D. Uncompressed on the host.

**Answer:** B

**QUESTION:** 30

Why is table skew important to manage?

- A. Low table skew negatively impacts performance.
- B. High table skew negatively impacts performance.
- C. Low table skew negatively impacts data compression.

D. Deleted rows consume disk space until they are freed.

**Answer:** B

**QUESTION:** 31

Which statement is true regarding the compress engine?

- A. Data automatically gets compressed.
- B. Columns to be compressed must be defined.
- C. The nzcompress utility must be run to compress the table.
- D. The nzcompress utility must be run to compress the database.

**Answer:** A

**QUESTION:** 32

The PureData System for Analytics implements which level of transaction isolation?

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

**Answer:** A

**QUESTION:** 33

Which two statements are true about queries on the PureData System for Analytics Appliance? (Choose two.)

- A. Queries are executed in parallel by the host.
- B. Queries must be compressed before they can be executed.
- C. Queries are compiled into snippets and executed in parallel by the S-Blades.
- D. Queries must be uncompressed by the user and executed in parallel by the host.
- E. A query is compiled into a snippet which is executed across all available S-Blades.

**Answer:** C, E

**QUESTION: 34**

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 was enabled.
- B. The pg.log file was configured for two minutes.
- C. The runaway query event was configured for two minutes.
- D. The nzsystm 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

**QUESTION: 35**

Where are the database log files located?

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

**Answer:** C

**QUESTION: 36**

OLE-DB based applications on UNIX requires which PureData System for Analytics software?

- A. Install the JDBC driver for UNIX.
- B. Install the ODBC driver for UNIX.
- C. Install the OLE-DB driver for UNIX.
- D. OLE-DB is not supported on UNIX.

**Answer:** D

**QUESTION: 37**

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

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

**Answer:** C, E

**QUESTION: 38**

Which command is used to display operational statistics about system capacity, faults, and performance?

- A. nzstats
- B. nzstate
- C. nzshow
- D. nzsystem

**Answer:** A

**QUESTION: 39**

Which command is used to abort a user's SQL transaction?

- A. kill B.
- abort C.
- nzstop
- D. nzsession

**Answer:** D

**QUESTION: 40**

Which command allows you to show information about the database hardware as well as take actions such as activate or deactivate components, locate components, or delete them from the system?

- A. sar
- B. nzhw
- C. nzsystem
- D. nzinventory

**Answer:** B

**QUESTION:** 41

What is the only predefined database user, which is able to access all objects and perform all tasks against the database?

- A. root
- B. public
- C. admin
- D. system

**Answer:** C

**QUESTION:** 42

What operating system runs on a PureData System for Analytics host?

- A. AIX
- B. SUSE Linux
- C. Nucleus OS
- D. Redhat Linux

**Answer:** D

**QUESTION:** 43

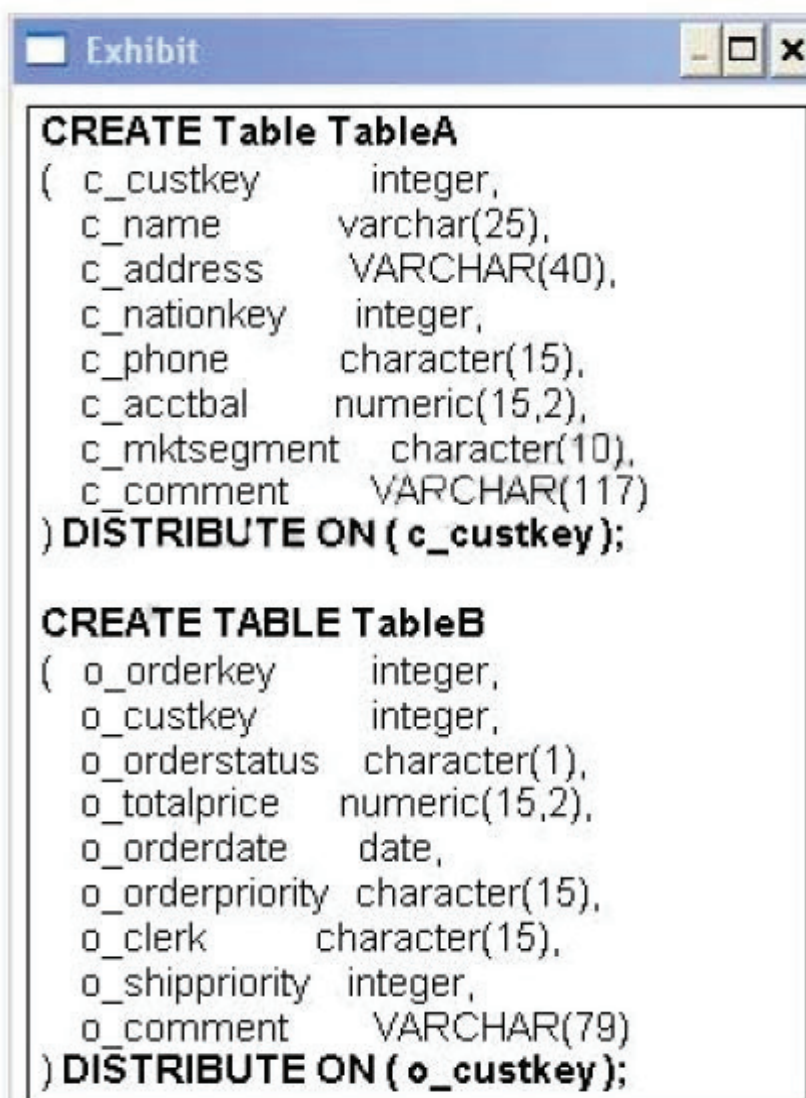
What PureData System for Analytics component is responsible for controlling table storage?

- 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:** 44

Click on the exhibit.



```
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
- D. Replication sort merge join processing

**Answer:** A

**QUESTION:** 45

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:** 46

What will prevent a GROOM TABLE command from running on a table named TableA?

- A. If there are any materialized views on the table TableA.
- B. If there are any active selects running against the table TableA.
- C. If there are any active nzloads running against the table TableA.
- D. If there are any active updates running against the table TableA.

**Answer:** A

**QUESTION:** 47

What two characteristics can be changed when using the CREATE TABLE AS (CTAS) statement to copy TableA to TableB? (Choose two.)



- A. The views on TableA.
- B. The privileges on TableA.
- C. The distribution key of TableB.
- D. The materialized views on TableB.
- E. The order of the data stored in TableB.

**Answer:** C, E

**QUESTION:** 48

When a CREATE TABLE AS (CTAS) is performed on a table creating more than 1,000,000,000 rows, which statement is true?

- A. Groom will be automatically invoked.
- B. Primary key constraints will be checked.
- C. Statistics will automatically be generated.
- D. Materialized views will be automatically generated.

**Answer:** C

**QUESTION:** 49

What is the 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:** 50

Which statement is true about the groom feature?

- A. Groom allows the user to add row level security.
- B. Groom validates primary key constraints on the table.

- C. Groom reorders rows based on the DISTRIBUTE ON clause.
- D. Groom allows the user to reorganize tables based on the ORGANIZE ON clause.

**Answer:** D

**QUESTION: 51**

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: 52**

Using a date column as a distribution key may distribute rows evenly across datalices, 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: 53**

Which statement is true?

- A. All user space is available for database expansion.
- B. Each database is assigned it's own section of disk space.
- C. When creating the database you can specify which disks to use.
- D. When you create a database you can set the maximum space it is allowed to use.

**Answer:** A

**QUESTION:** 54

You have created a group GroupA with JOB MAXIMUM of 4, which statement is true?

- A. No more than 4 users can be assigned to GroupA.
- B. If users in GroupA submit more than 4 queries they will fail.
- C. If users in GroupA submit more than 4 queries, then they will queue in order.
- D. The job maximum cannot be less than the default concurrent query limit of 48.

**Answer:** C

**QUESTION:** 55

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:** 56

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:** 57

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:** 58

To create a database table, at a minimum, what must be specified?

- A. column name and data type.
- B. column name, data type and primary key.
- C. column name, data type and default constraint.
- D. column name, data type and distribute on clause.

**Answer:** A

**QUESTION:** 59

Which two characteristics describe materialized views. (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

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