

## P2090-050<sup>Q&As</sup>

IBM PureData System for Analytics Technical Mastery Test v1

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**QUESTION 1**

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

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

Correct Answer: A

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**QUESTION 2**

When is the TopologyImbalance 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).

Correct Answer: D

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**QUESTION 3**

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

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

Correct Answer: D

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**QUESTION 4**

If data is being nzload'ed into TableA, which of the following operations will be blocked until the load has completed?

- A. A DELETE from TableA
- B. A SELECT from TableA

C. A TRUNCATE of TableA

D. An nzbackup of the database in which TableA resides

Correct Answer: C

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## QUESTION 5

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

Correct Answer: A

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## QUESTION 6

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 ;" after the query has been submitted.

Correct Answer: CE

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## QUESTION 7

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.

Correct Answer: D

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**QUESTION 8**

When a poor choice of distribution key is made, what is the impact to storage allocation?

- A. Data is likely to negatively affect views.
- B. Data is likely to negatively affect compression.
- C. Data is likely to generate duplicate sequence values.
- D. Data is likely to be unevenly spread across the system.

Correct Answer: D

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**QUESTION 9**

Which procedural logic is NOT supported by NZPLSQL?

- A. Scrollable Cursors
- B. Looping (while, for)
- C. Conditionals (if/else)
- D. Returning a scalar result or a result set

Correct Answer: A

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**QUESTION 10**

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.

Correct Answer: B

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**QUESTION 11**

When are zonemaps initially created for a table?

- A. nzbackup
- B. nzreclaim
- C. CREATE TABLE

D. ALTER TABLE ADD ZONEMAPS

Correct Answer: C

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## QUESTION 12

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.

Correct Answer: B

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## QUESTION 13

Which User Defined Function (UDF) statement is true?

- A. It accepts zero or more input values but produces one output value.
- B. It accepts exactly one input value and produces exactly one output value.
- C. It accepts exactly one input value and produces one or more output values.
- D. It accepts zero or more input values and produces one or more output values.

Correct Answer: A

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## QUESTION 14

What is the function of the Distributed Replicated BlockDevice (DRBD)?

- A. High Availability
- B. Load Balancing
- C. High Concurrency
- D. Work Load Management

Correct Answer: A

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## QUESTION 15

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.

Correct Answer: CE

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