



Denodo DEN80EDUCSA

Denodo Platform 8.0 Certified Administrator Associate

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Questions**

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Question: 1

The Denodo platform contains a metadata repository. Which of the following statement are true (choose one) :

- A. The metadata repository can be stored in an external database that must be configured before users can use the Denodo platform
- B. The metadata repository contains metadata for all of the virtual views and the dependencies between them
- C. Stored procedures and APIs are provided to allow permitted users/tools to access the metadata.
- D. Metadata cannot be shared with external tools as it is private to the Denodo platform.
- E. The Denodo platform uses the metadata when executing queries.

Which are true (choose one) :

- A. A and D
- B. B, C and D
- C. All are true
- D. A, B, C and E
- E. C and D

Answer: D

Explanation:

The metadata can be shared with external tools also. So only D is not correct.

Question: 2

Interface views enable :

- A. Contract-first development
- B. An HTML-based user interface for a Denodo view
- C. Importing of data models defined in external modeling tools
- D. An abstraction layer to isolate changes in the Denodo model
- E. Operational metadata for data lineage graphs

Which are true :

- A. A and C
- B. A and D
- C. 1. All are true
- D. B and C
- E. A, C and D

Answer: B

Explanation:

Explanation : Contract-first development = top down development. Interface view is a set of metadata

(fields, data types) or data model not connected to a physical data source. This data model is imported from external modeling tools. We can later add an implementation view to it to connect it to an underlying data source. The bottom up development is when we connect to the data source and we create base views and from the base view we create derived view to later expose to Consuming applications. The interface view decouple the consumer of the view with the implementation of the view. The Data virtualization platform create corresponding interface view when importing data models using Denodo Model Bridge. Denodo Model Bridge transforms data models into VDP models. It extracts the entities, attributes and relationships from serialized data models and creates the equivalent interface views and associations in VDP.

Question: 3

Which of the following query optimization techniques require statistics gathered by the Denodo platform ?

- A) SQL query rewriting
- B) Cost-based optimization
- C) MPP Query Acceleration
- D) Join method selection
- E) Adjust the execution plan according to the capabilities and constraints of the data sources

Which are true

- A. A, B and D
- B. B, C and D
- C. A, B and E
- D. A and B
- E. A, B, D and E

Answer: A

Explanation:

SQL query rewriting : Consist of rewriting query in a more optimal way. This technique usually push down some executions processing to the underlying data sources to take advantages of their execution engine. The aim is to avoid sending big volume of data to the Data virtualization platform through the network to avoid slowing down the execution Time. For this some statistic on data sources need to be gathered like the number of rows etc. The MPP query acceleration : It does not need statistic gathering it just delegate the query execution to MPP hadoop cluster to take advantage of it powerful execution engine. Cost-base optimization : Gathered statistics from the underlying sources to build executions plans and Apply cost to choose the best execution plan to be executed. Join method selection : gathered statistics to determine the right join strategy base on cost for data volume estimation. Optimizer usually select the best join base on statistics and sources capabilities. e.g :When using database joining two larges datasets, merge join is preferred. If one dataset is significantly larger and the other small use nested join. NB : The data virtualization can gathered pre-gathered statistics. These statistics are already gathered by the underlying data sources (database, datawarehouse). Not all datasources gathered statistics like CSV file, excel files.

Question: 4

Source constraints optimization....

- A. Treats cloud-based data sources as being different from those data sources that are in a data center
- B. Recognize that data sources are different and treats them as such, taking advantage of an optimization possible in source and building that into the query plans
- C. Pushes all of the query optimization process down to the underlying data sources
- D. Ensures that all data is read from the underlying data sources for the optimization and all of the processing to be performed on the Denodo platform.
- E. Is a meaningless marketing term and doesn't have any real world effect on the query optimization and performance

Answer: B

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