IBM Operational Decision Manager Standard V8.9.1 Application Development

Exam A

QUESTION 1
What is needed when executing a decision service by posting a REST request?

A. ruleset library
B. ruleset name
C. XOM JAR file
D. RuleApp JAR file

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
How would the following business policy be classified?

```
The vehicle usage MUST NOT BE Commercial
```

A. Calculation
B. Constraint
C. GuidelineD. Inference

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
QUESTION 3

ODM V8.9.1 is being installed on several nodes in silent mode by using a response file. What needs to be included in the response file during installation?

A. Sample server port number
B. IBM Installation Manager home location
C. Repository path for the sample server installation
D. Installed WebSphere Application Server home location

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
Which execution algorithm should be used for a rule task with rule task with rule chaining?

A. RetePlus
B. Fastpath
C. Sequential
D. Working memory

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.ibm.com/support/knowledgecenter/en/SSQP76_8.9.0/com.ibm.odm.dserver.rules.designer.run/optimizing_topics/tpc_opt_perfscalability.html

QUESTION 5
GoodCreditLoans is a financial company that wants to create an automated loan approval application. They currently have an application that uses hard-coded logic and manual checks to assess loan applications, generate payment reminders, send marketing emails to potential clients, and create monthly sales reports.
The existing application uses these entities: MarketingContact, Equipment, Loan, Reminder, Applicant, SalesReport.
Here are some example rules harvested during rule discovery for the new automated loan approval application:
What two entities are needed to write the loan approval business rules? (Choose two.)

If the amount of the loan is less than $10,000,000.00 then the loan is rejected

If the amount of the loan is equal to or more than $10,000,000.00 and the applicant's monthly salar
greater than $175,000.00 then the loan is accepted

A. Loan
B. Reminder
C. Applicant
D. SalesReport
E. MarketingContact

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
Which rule engine execution mode is designed to optimize a large numbers of objects?

A. Fastpath
B. RetePlus
C. Sequential
D. Classic Engine

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.ibm.com/support/knowledgecenter/en/SSQP76_8.9.0/com.ibm.odm.dserver.rules.designer.run/optimizing_topics/
tpc_opt_perfscalability.html

QUESTION 7
What has to be selected or defined when running a simulation in Decision Center?

A. JDBC Connection
B. The Cluster JVM
C. Output Folder for Result
D. The Decision Runner server

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
What is the purpose of a RuleApp?

A. A RuleApp is a deployable management unit
B. A RuleApp is the entry point for client to access the business logic
C. A RuleApp contains a single executable ruleset.
D. A RuleApp includes all that is needed by a single decision operation.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.ibm.com/support/knowledgecenter/SSQP76_8.5.1/com.ibm.odm.dserver.rules.deploying/topics/con_res_ruleapps_def.html

QUESTION 9

A large enterprise has multiple decision services from different business units using Decision Center as the source of truth to maintain their rules. Some of these projects have customized Decision Center behaviors in order to meet business user authoring experience requirements.

What are two reasons to use Decision Center in non-production environments in order to minimize interruption to access to Decision Center for this customer? (Select two.)

A. To test customizations
B. To test product updates and fixes
C. To test the behavior of large decision tables
D. To develop and encourage POCs away from production
E. To simulate new complex rule ideas away from production

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10

A customer has an online and batch processing application. The batch process can be executed multiple times during the day on demand and can overlap the online application. RuleApps and rulesets are the same across online and batch. The batch application also manages big batches with high throughput.

How can this application be architected to address these requirements?

A. Use an embedded approach for the online application and batch application to address the high throughput and change the execution units to file persistence to simplify the deployment.
B. Separate infrastructure from online to batch, each one configured in a separate cluster. Configure a ruleset interceptor to route the workload between online application execution units and batch execution units.
C. Configure 2 clusters in the same call where the online application is running: one cluster for the online application and a second cluster for the batch process. Configure the Rule Execution Sever console outside of the 2 clusters to share the RuleApps across the online and batch application.
D. Use separate infrastructure for online and batch processing. Use managed approach with a centralized Rule Execution Server for online. Configure a set of J2SE RuleApp clients to run in parallel and distribute the batch workload. Change the Rule Execution Server and XU notification mechanism to TCP/IP to use the same deployed RuleApps for both the batch and online application.

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
QUESTION 11
In the process of Decision Center configuration, several different security roles are defined for the Decision Center. Which group contains the correct security roles?

A. user, adminUser, configUser
B. dcInstaller, dcUser, dcAdministrator
C. rtsUser, rtsAdministrator, rtsConfigManager
D. resAdministrator, resConfigManager, resInstaller

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.ibm.com/support/knowledgecenter/en/SSQP76_8.8.1/com.ibm.odm.distrib.config.was/config_dc_websphere/con_was_security_bc.html

QUESTION 12
Capturing business rules involves which step?

A. Orchestrating business rules in a ruleflow
B. Using ruleset parameters to transfer information
C. Representing the business policy as if-then statements
D. Packaging business logic in application code as decision service

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.ibm.com/support/knowledgecenter/en/SSCTJ4_5.3.1/com.ibm.casemgmt.installing.doc/acmcp043.htm

QUESTION 13
What is the purpose of the Decision Warehouse?

A. To store all deployed rulesets

B. To store all meta data about deployed rulesets
C. To store execution traces to monitor ruleset execution
D. To store historical changes made to rule projects so previous versions can be restored

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.ibm.com/support/knowledgecenter/en/SSQP76_8.7.0/com.ibm.odm.dserver.rules.res.managing/topics/con_res_dw_overview.html

QUESTION 14
How can the state of a decision service branch be captured in Decision Center at a specific moment in time?

A. By creating a new release
B. By creating a snapshot from Business Console
C. By creating a sub-branch from Business Console
D. By creating a baseline from Enterprise Console

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference:
https://www.ibm.com/support/knowledgecenter/en/SSQP76_8.6.0/com.ibm.odm.dcenter.bu.bconsole/tutorials_topics/tut_dcenter_bu_gov_start_lsn.html

QUESTION 15
A company wants to use ODM for asynchronous processing with large payloads and very strict performance guidelines. They want to keep data extraction and execution close to reduce any latency effects. They also need ODM to scale as they might want to execute rules from several different applications concurrently. What execution implementation fits these requirements?

A. A stand-alone POJO session on a single VM.
B. A custom MDB with a stateful or stateless rule session.
C. A J2SE rule session to create a tightly coupled application with performance gains.
D. An HTDS web service and increase the size of the connection pool based on performance testing needs.

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:
QUESTION 16
Which statement is true of a rule project that has multiple BOM entries referenced and some of them have the same element name?

A. There cannot be multiple BOM entries referenced to rule projects.
B. Rule Designer will show the error of having same element name already exists.
C. If there are several BOM entries, an element in the first BOM entry in the path overrides any other element with the same name in the other BOM entries.
D. If there are several BOM entries with the same element name, then the order of runtime appearance has to be set or else it will not allow the project to be saved.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.ibm.com/support/knowledgecenter/en/SSQP76_8.8.0/com.ibm.odm.rules.embedded.overview/bom/con_rules_embedded_bom_intro.html

QUESTION 17
Which statement is true when deploying a RuleApp archive?

A. A managed Java XOM in the RuleApp archive must follow a XOM versioning policy.
B. Java XOM's must always be included in RuleApp archives to guarantee version compatibility.
C. Resource and library versioning polices only apply when managed XOM's are present in the RuleApp archive.
D. RuleApp archives must be configured from the ruleset view first to define the rulesets to be included in the RuleApp archive.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: Managed Java XOM in the RuleApp archive must follow a XOM versioning policy

QUESTION 18
A developer is working with a mainframe legacy application. How can they build the execution object model (XOM) with the information from this application?
A. Import the Cobol copybook.
B. Extract objects through SQL queries.
C. Use the Decision Engine API to map Cobol structures.
D. Use the Rule Designer migration tool to convert the source Cobol copybook.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.redbooks.ibm.com/redpapers/pdfs/redp4997.pdf

QUESTION 19
Categories named Vehicle and Customer have been added to a rule project. In the BOM of this project, a business element Car has been assigned categories Vehicle and Automobile and a business element Client has been assigned the category Customer. Which category filters need to be assigned to an action rule so that both the Car and Client business element are visible in the rule? (Select two.)

A. Any
B. All
C. Client
D. Vehicle and Client
E. Vehicle and Automobile

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
A company wants to use ODM rules for a graphical user interface (GUI) validation. They want to use rules to validate forms filled out by customers. The rules would validate user input and answers to the questions. The users must have the ability to navigate the website while waiting for the ODM response. What implementation should you use?

A. Implement a REST rule service in the XML format.
B. Implement a HTDS rule session to handle the request and response web service call.
C. Use an EJB rule session to handle changing the state of objects in working memory.
D. Use an asynchronous ruleset execution and an observer to end the execution or catch an exception on failure.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
What is the `I1rJMXRuleAppMBean` API used for?

A. To manage ruleapp project
B. To manage ruleset resources
C. To create, list, and remove RuleApps (name and version)
D. To create, list, and remove rulesets (name and version)

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
After a decision service is implemented in the Rule Designer, a developer would like to analyze the rule artifacts in the rule project by creating a query in the rule project. Which element can be found by the query?

A. Function

B. Rule task
C. Parameter
D. XOM class

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
QUESTION 23
What are the possible results of running a test suite?

A. Passed, Failed
B. Running, Done, Retrying
C. Active, Complete, Paused
D. Successful, Failure, Error

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.ibm.com/support/knowledgecenter/en/SSBLQQ_9.2.0/com.ibm.rational.rit.ref.doc/topics/c_ritref_test_suite_details.html

QUESTION 24
How can a developer help the business users to author rules in a way that improves performance?

A. Rewrite complex BAL rules as technical rules.
B. The way in which rules are written have no impact on performance.
C. Modify the BOM to remove the `{this}` placeholder to make the rules less verbose.
D. Make sure that conditions that test a collection of objects come before simpler conditions, to reduce the number of objects that later conditions in the rule must test.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
How are objects removed from working memory?

A. `clearObject()`

B. `removeObject()`

C. `delete` statement

D. `retract` statement

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference: