IBM

A2180-181

Assessment- IBM WebSphere ILOG JRules BRMS V7.1, Application Development

QUESTION: 45

An accounting application populates a report with transactions over $1000 using the following rule:

```
rule report_1000 {
    when {
        ?t: Transaction(amount > 1000);
        ?a: Account(id == ?t.account.id);
    } then {
        report.addLine(?a.name, ?t.amount, ?t.date);
    }
}
```

The rule is executed with RetePlus algorithm. At run time, the working memory typically contains 50 Account instances and 10000 Transaction instances that are mostly less than $1000. In order to reduce the execution time for this rule, what will be the most effective change?

A. Reorder the conditions to:
?a: Account();
?t: Transaction(account.id == ?a.id; amount >1000);
B. Use the from keyword:
?t: Transaction(amount > 1000);
?a: Account() from ?t.account;
C. Set the ruleset property: ilog.rules.engine.useJIT = false
D. Enable hashers through the engine.conf file declaration: node Report
{
element useHashers = true;
};

QUESTION: 46

A company offers online shopping through a web portal. It has two types of clients: individuals and wholesalers. For both of them the company offers discounts through a business rule application. Wholesalers have to be enabled to call the discount rules remotely, from their own offices, by using their current applications and systems. The developer discovers that those wholesalers' systems use a variety of platforms and applications (.NET, Java, and so on) inside well protected intranets.

Which approach should the developer use to support this integration?

A. Deploy rules as a transparent decision service and use a web service invocation.
B. Deploy rules in Rule Execution Server and use a stateful EJB rule session for client invocation.
C. Deploy rules in Rule Execution Server and use a stateless EJB rule session for client invocation.
D. Deploy rules in each of the clients' networks in a managed rule execution environment.

Answer: A

QUESTION: 47
A Rule Execution Server Java EE application is deployed in a User Acceptance Test environment. Ruleset updates are deployed several times a day using the Replace ruleset(s) version policy. The developer examined logs and determined that upon hot deployment or after periods ofinactivity, the application experiences delays due to ruleset parsing. Another developer initially configured the environment and may have changed Rule Execution Server settings from their default values. What property values for the Execution Unit (XU) and the ruleset should the developer set to eliminate or minimize the delay?

A. asynchronousRulesetParsing=false and ruleset.maxIdleTime=3600
B. asynchronousRulesetParsing=true and ruleset.maxIdleTime=0
C. profilingEnabled=true andruleset.optimization.enabled=true
D. traceLevel=OFF and ruleset.trace.enabled=false

Answer: B

QUESTION: 48
A project team has finished the unit testing of a ruleset. How should the developer deploy the tested rules to Rule Execution Server?

A. Create a ruleset archive in Rule Team Server and deploy it.
B. Create a RuleApp project, add the ruleset, and deploy it from Rule Studio.
C. Export a RuleApp archive from the rule project and deploy it.
D. Use Rule Studio's Team Synchronizing perspective to deploy.

Answer: B

QUESTION: 49

An airline uses a ruleset to compute frequent flyer miles. The current ruleset is invoked from the loyalty application by using the following ruleset path: frequentflyer/2.0/due_miles. The loyalty team updated the rules and wants to deploy them. The loyalty application must not be changed and the currently deployed ruleset must be kept. What versioning policy should the team select to deploy?

A. Replace RuleApp version
B. Increment Rules major version
C. Increment Rulesetminor version
D. Increment RuleApp minor version

Answer: C

QUESTION: 50

The architect of a Rule Execution Server Java EE application has determined that the system should process up to 20 concurrent ruleset executions for optimal performance. Which of the following properties should the developer set to 20?

A. The application server thread pool maximum size
B. The ruleset property ruleset.enginePool.maxSize
C. The Execution Unit (XU) ra.xml property value pool.maxSize
D. The application serverExecution Unit (XU) connection pool maximum size

Answer: D

QUESTION: 51

While creating the BOM to XOM mapping, the developer needs to reuse part of the code. The developer should write:

A. a function task.
B. a technical rule.
C. a Java helper class.
D. a virtual helper class with BOM to XOM mapping.

Answer: C

A company provides services, one for cars and one for houses. The business users of the car division and the house division are requesting the development team to give them the capability to change the business logic of their respective applications. The development team decides to add business rules to the application. In order to meet this request the team should create:

A. 2 rule projects.
B. 2 ruleset projects.
C. 1 rule project with 2 ruleflows.
D. 1 rule project with 2 top-level rule packages.

Answer: A