

# Pegasystems PEGACSSA

## **PRPC v5.5 Certified Senior System Architect Exam**

Version: 5.0

**Topic 1, Volume A****QUESTION NO: 1**

Which of the following are virtual memory based caches? (Choose Three)

- A. Rule Cache
- B. Rules Assembly Cache
- C. Rule Resolution Cache
- D. Lookup List Cache
- E. Static Content Cache
- F. Dictionary Cache

**Answer: A,B,C**

**Explanation:**

**QUESTION NO: 2**

When a rule executes what is really executed? (Choose One)

- A. XML which is stored in the BLOB
- B. Java code which is compiled from the XML stored in the BLOB
- C. A class file which is stored in the BLOB
- D. A serialized java object which is stored in the BLOB

**Answer: B**

**Explanation:**

**QUESTION NO: 3**

Which statement best describes the Rules Assembly Cache? (Choose One)

- A. The Rules Assembly Cache is a disk based cache that stores the generated XML and resulting class files, post compilation since what finally gets executed is XML, not java code
- B. The Rules Assembly Cache is a memory based cache that reduces PegaRULES database traffic as it contains copies of rules recently accessed or recently updated by developers
- C. The Rules Assembly Cache is a memory based cache that allows Process Commander to rapidly identify compiled Java CLASS files that correspond to compiled and assembled rules
- D. The Rules Assembly Cache is a memory based cache used by PRPC to feed the Instance Cache as the Instance Cache is the instance of a given rule for which code has been generated

**Answer: C**

**Explanation:**

#### **QUESTION NO: 4**

Where can you view the contents of the Rule Instance Cache? (Choose One)

- A.** Using the SMA you can view the contents of the instance cache which are displayed in the form of an Excel file
- B.** Using the Developer Portal you can view the contents of the instance cache which are displayed in the form of an excel file and is accessed from the tools > instance cache menu
- C.** By viewing the XML files from the TEMPDIR\PRGenJava\XML directory
- D.** By viewing the XML files from the pzInsKey column by using JDBC code

**Answer: A**

**Explanation:**

#### **QUESTION NO: 5**

What determines which table a work object is persisted to? (Choose One)

- A.** The Data-Admin-DB-Table record for the class group the work object belongs to and the access group the current user belongs to
- B.** The RuleSet the class belongs, and Data-Admin-DB-Table definitions
- C.** The Data-Admin-DB-Table record associated to the class group the work object belongs to
- D.** The RuleSet the class belongs to

**Answer: C**

**Explanation:**

#### **QUESTION NO: 6**

The BLOB is stored in the pzPVStream column of a table and contains the data associated with the instance. Which two statements are false? (Choose Two)

- A.** Since it is a column in a table in a database, you can extract the BLOB and use it in another system
- B.** The BLOB contains the same clear text xml you see when clicking the rule data or the View

XML option in the clipboard

**C.** The “PzPVStream” can be eliminated by use of simple tables (those without embedded pages and page lists)

**D.** The BLOB enables a single table to store complex data structures that would normally require multiple tables in a normalized database

**Answer: A,B**

**Explanation:**

#### **QUESTION NO: 7**

PegaRULES is installed on a multi-node system, and a copy of the various caches is stored on each node. Each of these nodes must be updated with rule changes. Which functionality in PRPC manages the update process? (Choose One)

**A.** Node-Pulse

**B.** Rule Cache

**C.** System-Update

**D.** System-Pulse

**Answer: D**

**Explanation:**

#### **QUESTION NO: 8**

Which statements in regards to commits in PRPC are false? (Choose Two)

**A.** All database updates require that the requestor holds a lock on the object

**B.** The system performs commits automatically when processing for a submit operation of a flow action completes, for both connector and local flow actions

**C.** Commit operations can trigger the execution of Declare-Trigger rules

**D.** Assuming distributed transaction is not configured and the deferred operation list contains operations for only one database. When the system commits all deferred operations for the requestor, if any of the writes fail, they all fail

**E.** The deferred operations will be committed when you use the write-now option with the obj-save method because this causes a commit to occur

**Answer: A,E**

**Explanation:**

**QUESTION NO: 9**

PRPC can be installed using a WAR or EAR configuration. Which of the following does NOT require an EAR configuration? (Choose One)

- A. JMS message services support need to be provided
- B. Support for two-phase commits is required
- C. Support for EJB services need to be provided
- D. J2EE security is required
- E. JSR-94 support is required

**Answer: E**

**Explanation:**

**QUESTION NO: 10**

Select the valid modes an Agent can have since PRPC 5.4? (Choose Three)

- A. Normal
- B. Legacy
- C. Standard
- D. Advanced
- E. Modes are not required to be selected for Agents in PRPC 5.4

**Answer: B,C,D**

**Explanation:**

**QUESTION NO: 11**

Why does PRPC create a Data-Agent-Queue instance when you create a Rule-Agent-Queue instance? (Choose One)

- A. Data-Agent-Queue instances are not locked so they allow you to control the behavior of Agents in a locked RuleSet at runtime
- B. Data-Agent-Queue instances are created by PRPC to support the new Queue For Agent functionality which was provided since PRPC v5.4
- C. Data-Agent-Queue instances are created automatically by PRPC whenever the Queue-For-Agent method is used in an activity step to queue work for the Agent
- D. Data-Agent-Queue instances are data instances which are used by the Queue Manager functionality to allow for concurrent access to a queued piece of work by agents running on multiple nodes

E. Data-Agent-Queue instances represent the master definition of PRPC agents and have been deprecated as of PRPC v5.4 in favor of using Rule-Agent-Queue

**Answer: A**

**Explanation:**

### QUESTION NO: 12

Which statement is true regarding how locking works with covers? (Choose One)

- A. By default, the cover does not get locked when you open a covered object, but this is configurable
- B. By default, the cover is locked when you open a covered object, but this is configurable
- C. The cover must always be locked when working on the cover or one of its covered work objects because updates occur on the cover throughout processing of the covered work objects
- D. Cover object locking is identical to that of other work objects, in that it is only locked when it is opened by a requestor

**Answer: B**

**Explanation:**

### QUESTION NO: 13

What purpose and effect does the Obj-Refresh-and-Lock method have? (Choose One)

- A. It has no effect if a lock is held and has not expired
- B. It will reacquire a lock and will always refresh the contents of the object from the Database
- C. If the lock is not held, the method will acquire a lock and always replace the step page contents with the current values from the database
- D. This method has been deprecated as of PRPC 5.3 in support of the Obj-Browse method which handles refresh and locking automatically
- E. This method is highly efficient and will only refresh the object if the content on the clipboard is older than the current state in the database and will also force lock the object regardless of holds the lock

**Answer: A**

**Explanation:**

**QUESTION NO: 14**

What does the rollback method do? (Choose Two)

- A. Cancels/Withdraws any pending obj-save and obj-delete methods
- B. Rollback is not supported by PRPC when using a WAR deployment. The only way you can do a rollback is by using the compensating actions method
- C. Rollback is a way to rollback an object to a previous state using the History instance for a work object
- D. Rolls back the deferred stack of operations for the specified page

**Answer: A,D**

**Explanation:**

**QUESTION NO: 15**

What does the system pulse do? (Choose Three)

- A. It is used by PRPC to synchronize changes to the Data-Agent-Schedule instances whenever a Rule-Agent-Queue instance is modified
- B. It invalidates rule caches on a per node basis using entries in the pr\_sys\_updatescache table
- C. It processes changes to the Lucene indexes that support full text searches
- D. It synchronizes the lookup list cache deletions and any rule-file-deletes
- E. It is used by PRPC to send out information to PAL on a weekly basis so that performance analysis can be performed over a period of time

**Answer: B,C,D**

**Explanation:**

**QUESTION NO: 16**

Which one of the following statements is true regarding the PRPC threading model? (Choose One)

- A. PRThreads are similar to Java threads and the types include STANDARD, DEVELOPER, and OPENPORTAL
- B. A PRThread is essentially a namespace which allows a Requestor to have separate clipboard pages that do not interact with each other
- C. Multiple PRThreads can be executed concurrently depending on whether multi-threading is enabled
- D. All of the above

**Answer: B**

**Explanation:**

**QUESTION NO: 17**

A customer implementation necessitates the usage of Message-driven beans. Which of these platforms can the solution be deployed on? (Choose Two)

- A. JBoss (EAR Deployment)
- B. WebLogic (WAR Deployment)
- C. WebSphere (EAR Deployment)
- D. Tomcat (WAR Deployment)
- E. All of the above

**Answer: A,C**

**Explanation:**

**QUESTION NO: 18**

A PRPC installation has 3 nodes. An Agent rule has a single agent listed which takes data from an external system. It would cause contention issues if it ran on more than one node. What is the recommended way to ensure the agent only runs in one cluster? (Choose One)

- A. Delete the Agent schedule on two nodes
- B. Disable the Agent schedule on two of the nodes, either from the Agent Schedule rule form or using the System Management Application
- C. Disable the master agent on two nodes
- D. In your Agent activity call a decision table to verify host name of the system (application)

**Answer: B**

**Explanation:**

**QUESTION NO: 19**

What four steps must be taken to unit test a connector within a flow when the target interface/system is not yet available? (Choose Four)

- A. Create a Simulation activity

- B. Set the connector to simulate in the Simulation data instance and specify the activity
- C. Use Tracer and set a breakpoint
- D. Define a Connect Simulation instance
- E. Test the flow with simulation enabled
- F. Create a new Integrator task

**Answer: A,B,D,E**

**Explanation:**

#### **QUESTION NO: 20**

Which methods of service integration within PRPC requires the configuration of a listener?  
(Choose Two)

- A. BPEL
- B. HTTP
- C. JMS
- D. MQ
- E. dotNet

**Answer: C,D**

**Explanation:**

#### **QUESTION NO: 21**

Which method of service integration within PRPC requires the configuration of a listener? (Choose One)

- A. SOAP
- B. BPEL
- C. EJB
- D. JMS
- E. SQL

**Answer: D**

**Explanation:**

#### **QUESTION NO: 22**

Which two statements are false when using stateless services? (Choose Two)

- A. You are guaranteed to connect to a new application requestor each time the service is invoked
- B. You cannot assume which application requestor you will connect to
- C. You must manually clear the clipboard of any data left on from previous application requestors
- D. When invoked your service may or may not result in the creation of a new application requestor

**Answer: A,C**

**Explanation:**

#### QUESTION NO: 23

What is the default error handling mechanism for connector rules generated through the Connector wizard? (Choose One)

- A. The connector activity does not handle a failure in the connector; processing is transferred to the ConnectionProblem flow
- B. The connector activity handles the result of the connector via a Precondition on the step following the call to the connector
- C. The connector activity handles the result of the connector via a Transition
- D. The connector activity does not handle a failure in the connector; processing is transferred to the FlowProblems flow

**Answer: A**

**Explanation:**

#### QUESTION NO: 24

Which statement is true about running Connect- methods in parallel? (Choose One)

- A. Only Connect-SOAP and Connect-HTTP methods offer a RunInParallel parameter
- B. Many Connect- methods offer a RunInParallel parameter
- C. The Connect-Hold is used with the RunInParallel parameter to wait for the parallel connector(s) to finish
- D. All Connect- methods offer a RunInParallel parameter

**Answer: B**

**Explanation:**