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QUESTION 1

A major component of your organisation's Test Automation Solution (TAS) is a popular open-source third-party capture-replay tool for automated functional testing.

Which two of the following must the Test Automation Engineer (TAE) ensure happens for this TAS?

- a) The third party tool is placed under configuration management control.
- b) The annual support and maintenance costs are agreed with the tool's vendor.
- c) It is Important to obtain information about updates and new versions of the tool so that the third party tool is kept up to date.
- d) Ensure that the TAS test scripts are integrated into the tool's framework.
- e) Ensure that no changes are made to the tool, because modifications are not allowed for third party products.

- A. a and b
- B. c and d
- C. a and c
- D. d and e

Correct Answer: A

QUESTION 2

Which of the following statements does NOT describe good practice for maintaining the TAS?

- A. The TAS must run in the development environment because development and programming knowledge are required for its maintainability
- B. The TAS must be under configuration management, along with the test suite, the testware artefacts and the test environment in which it runs
- C. The TAS must separate the test scripts from the environment in which it runs and from the associated harnesses and artefacts
- D. The TAS must consist of components that can be easily replaced without affecting the overall behavior of the TAS itself

Correct Answer: A

QUESTION 3

Assume that you are the TAE responsible for the correct functioning of a TAS, deployed in a test environment that

consists of a few machines running the same version of the operating system. The TAS has been working and stable since its deployment, it has been used to run an automated test suite consisting of many similar automated test. The infrastructure team is planning to update the operating system on these machines by installing a new the service pack for security reasons. Since the vendor of the operating system assurance full backward compatibility, the infrastructure team assurance that there will be no impacts on the functioning of the TAS.

What is the BEST approach to confirm the correct functioning of the TAS in this scenario?

- A. Verify the behavior of the automated tests by running a small tests, then gradually run the remaining tests to confirm the correct functioning of the whole automated test suite.
- B. Make sure that the infrastructure team has completed installing the service pack on the machines where SUT is running, then run the whole automated test suite to verify its behavior
- C. Verify the behavior of the whole automated test suite by running all the automated tests
- D. Do not run any tests because you can immediately confirm the correct functioning of the automated test suite

Correct Answer: A

QUESTION 4

Which of the following CORRECTLY describes how automation SHOULD be applied to confirmation testing?

- A. Confirmation tests are not good candidates for automation as they are not designed to run many times
- B. Confirmation tests should only be automated if they fail to pass on the first attempt
- C. Confirmation tests can be automated and incorporated into an automated regression suite to show whether defects that were previously fixed reoccur
- D. A confirmation test should only be automated after it has been run manually

Correct Answer: C

QUESTION 5

Consider a TAS that exclusively uses the APIs of a SUT. To make this work, significant changes have been required to the SUT by adding a set of dedicated test interfaces to the APIs. All the automated tests will use these test interfaces when interacting with the SUT. Assume that you are currently verifying the correctness of the automated test environment and test tool setup.

Which of the following would you expect to be the MOST specific risk associated with this scenario?

- A. The connectivity from the TAS to the dedicated test interfaces will not work
- B. The process of configuring the TAS will be error-prone due to manual intervention
- C. The automated test cases will not contain the expected result
- D. False alarms, that are unlikely to occur in the real world, will be observed during testing

Correct Answer: D

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