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QUESTION 1

Your team is working on a new project to build a CI/CD pipeline for your Docker containers. You have discovered a new plugin to help with your image build. Where would you navigate to install this new plugin?

- A. There is no graphical Plugin Manager
- B. Dashboard Left Panel -> Manage Jenkins -> Configure System -> Manage Plugins
- C. None of these
- D. Dashboard Left Panel -> Manage Jenkins -> Manage Plugins

Correct Answer: D

This is how you can reach the Plugin Manager from the dashboard.

QUESTION 2

One quality of an ideal build node K that it is_____.

- A. ephemeral and replaceable
- B. tailored to specific builds
- C. on-master
- D. static

Correct Answer: A

QUESTION 3

Which is the about the "Build Triggers" functionality in Jenkins?

- A. It allows you to customize what specific IP address will never be able to trigger a build.
- B. It allows you to trigger a build under certain conditions, such as GitHub/BitBucket push events, deployment ratifications,
- C. It can only be configured on Freestyle projects.
- D. It allows you to customize the mail to be sent to developers after a failing build.

Correct Answer: B

QUESTION 4

How do you navigate to the matrix-based security section of Jenkins?

- A. Manage Jenkins -> Configure Global Security
- B. Manage Jenkins -> Configure System
- C. None of these
- D. Manage Jenkins -> Configure Global Options

Correct Answer: A

This is how you would use the dashboard to navigate to the Security section.

QUESTION 5

What is the preferred method for a Jenkins administrator to notify nil Jenkins users about upcoming system maintenance?

- A. Add text to the "System Message" field on the "System Configuration" page to populate a banner displayed across the top of the master's home page.
- B. On the "System Configuration" page, choose the "Maintenance Alerts" option from the "Alerts" dropdown menu and populate the box with a message to be added to all build logs.
- C. Populate the "Email Notifications" section of the "System Configuration" page with a message to be sent as email to all registered Jenkins users.
- D. On the master's dashboard, click "add description" or "edit description" to populate a banner displayed across the top of the master's home page.

Correct Answer: B

QUESTION 6

What's "Infrastructure as Code?"

- A. None of these
- B. Infrastructure is defined in source code, like the Jenkinsfile for a pipeline.
- C. There's no hardware
- D. Source code is hosted in your Infrastructure

Correct Answer: B

This is also shown in config management tools, like Puppet and Chef. The Jenkinsfile represents a "pipeline as code" concept, specifically.

QUESTION 7

What's a Jenkins job (or project)?

- A. The overall purpose of a Jenkins implementation
- B. None of these
- C. Can be scoped to any typical IT task defined in Jenkins
- D. Employment for an IT worker

Correct Answer: C

A project is really any unit of work in a typical IT environment that's configured to run in Jenkins.

QUESTION 8

What is an SCM?

- A. Source Code (or Control) Management
- B. Structural Code Machine
- C. Super Core Management
- D. None of the above

Correct Answer: A

The use of source code management is a central tenant of continuous integration.

QUESTION 9

Which of the following are true about the "post" section of a Declarative Pipeline that defines additional steps that run at the end of either a pipeline stage or the pipeline itself? Choose 3 answers

- A. The "post" section can be used to stash files, archive artifacts, and send notifications.
- B. The "post" section includes conditional blocks (such as "always", "success", or "failure").
- C. If any step specified in the "post" section fails, the pipeline run is marked as "unsuccessful".
- D. The Blue Ocean editor does not display the "post" section blocks although they can be viewed and modified in the Blue Ocean code editor.
- E. The conditional blocks are executed in the order they are coded in the Pipeline.

Correct Answer: BCE

QUESTION 10

Where do you configure a shared global library?

- A. Configure Global Security

B. Configure System -> Global Pipeline Libraries

C. None of these

D. Project Configuration

Correct Answer: B

You can establish inter-project functionality in a shared global library.

QUESTION 11

You want to archive and track a build artifact, "build/mybuilt.jar", with a fingerprint from your team's build. How would you invoke the archiveArtifacts function to accomplish this?

A. archiveArtifacts = 'build/mybuilt.jar', fingerprint: true

B. archiveArtifacts artifacts: 'build/mybuilt.jar'

C. archiveArtifacts artifacts: 'build/mybuilt.jar', fingerprint: false

D. archiveArtifacts artifacts: 'build/mybuilt.jar', fingerprint: true

Correct Answer: D

Example with Context: post { success { archiveArtifacts artifacts: 'build/mybuilt.jar', fingerprint: true } }

QUESTION 12

Which of the following are advantages of a Pipeline job when compared to a Freestyle job? Choose 2 answers

A. Jenkins can be restarted while a build is In progress without impacting the build.

B. Job definition can be loaded from the Source Code Management system at build time.

C. No extra plugins must be installed.

D. Builds can be parameterized.

E. Builds can be triggered with millisecond granularity.

Correct Answer: AB

QUESTION 13

You want to allow regular users to configure limited aspects of a job but not allow them to change everything, What Jenkins mechanism do to use?

A. System environment variables

B. Job Configuration Restriction plugin

- C. Build parameters
- D. Matrix-based security
- E. Declarative Pipeline

Correct Answer: A

QUESTION 14

What is the Plugin Manager?

- A. An employee on a DevOps project that ensures all systems are functional
- B. The UI to install and configure plugins in the Jenkins WebGUI
- C. None of these
- D. A command line interface for adding documentation to Jenkins

Correct Answer: B

The Plugin Manager can be used to add/remove/upgrade/downgrade plugins in Jenkins. These can be used to add functionality to Jenkins.

QUESTION 15

How do you archive artifacts from a Jenkinsfile?

- A. artifact
- B. archiveArtifacts
- C. export
- D. save

Correct Answer: B

archiveArtifacts can be used to set an archiving strategy for a project in a Jenkinsfile.

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