



Enhance your Cloud-Native Fundamentals SuperPower

Weekly

Quiz

Lesson - 5

What do we have to cover in this 5th quiz?

This week's quiz is focused on **Lesson: 5 (CI/CD with Cloud Native Tooling)**.

- Continuous Application Deployment
- The CI Fundamentals
- The CD Fundamentals
- Configuration Managers



Q1. What different CI/CD tools do you know?

- a) Jenkins (open-source tool)
- b) Microsoft VSTS
- c) Bamboo
- d) All the above

Q2. How will you secure your CI/CD pipeline?

- a) Unit testing
- b) SAST (static analysis security testing)
- c) DAST (dynamic analysis security testing)
- d) All the above

Q3. Chef helps in transforming infrastructure into code, it is a tool used for writing scripts and in automating processes?

- a) True
- b) False

Q4. Blue-green deployment is a technique that reduces downtime and risk by running two identical production environments called Blue and Green. At any time, only one of the environments is live, with the live environment serving all production traffic.

- a) True
- b) False

Q5. The _____ approach is the recommended way to deploy resources within a production environment?

- a) Imperative
- b) Declarative

Q6. _____ is a step up from Continuous Delivery in which every change in the source code is deployed to production automatically, without explicit approval from a developer.

- a) Continuous Integration
- b) Continuous Deployment
- c) Continuous Delivery
- d) Continuous Management

Q7. What stages are covered by Continuous Delivery?

- a) Test
- b) Package
- c) Deploy
- d) Build

Q8. What are the main advantages of using a CI/CD pipeline?

- a) Frequent releases
- b) Developer Productivity
- c) Higher Revenue
- d) Less Risk

Q9. What are the Different stages of CI/CD?

- a) Build, Test, Package, Deploy
- b) Build, Package, Test, Deploy
- c) Build, Deploy, Test, package
- d) package, Build, Test, Deploy

Q10. What are the benefits of Continuous Integration?

- a) Errors detected early, decreases bug accumulation
- b) Setting the stage for Continuous Delivery
- c) Both A and B
- d) None of the above

Q11. Typically, declarative continuous delivery tool ArgoCD operates with_____.

- a) Manifests
- b) GitOPs
- c) Manifests & GitOPs
- d) Manifests & Bans

Q12. Does continuous integration necessarily get triggered at each commit of code?

- a) True
- b) False

Q13. _____ development environment, where new changes can be tested with minimal risk?

- a) Sandbox
- b) Staging
- c) Production
- d) All the above

14. Which one is not a benefit of CI/CD?

- a) Release new features more frequently
- b) Improve developer productivity
- c) Deliver software with less risk
- d) Eliminates code review and approvals

15. How does ArgoCD help to configure and manage the application release & deployment through multiple environments?

- a) It provides CRDs (Custom Resource Definitions)
- b) A very interactive UI
- c) Templates
- d) Robust pipelines

Answer Key

- | | | | |
|------|----------|-------|-------|
| 1. d | 5. b | 9. a | 13. a |
| 2. d | 6. b | 10. c | 14. d |
| 3. a | 7. c | 11. c | 15. a |
| 4. a | 8. a,b,d | 12. b | |

Thank you

