CI/CD

CI:

Continuous Integration

-Always merge changes to main branch

-Automatically test the code

Must connect with a Git, when pushes occur, it can run on the latest version.

Products have many version, release quickly.

Security is vital in CI/CD, since it has sensitive data such as API keys, server passwords. It may be a prime target for attacks.

Deployment strategies:

1. Regular Release: release software at once when each code ready.



1. Blue green release: Old and new version instances running at same time.

User are switched from the former to later at once.

This method is safer than big bang releases because users can be routed back to previous version when problem.

1. Dark launches : new features release without announce.

https://semaphore.io/blog/common-cicd-interview-questions