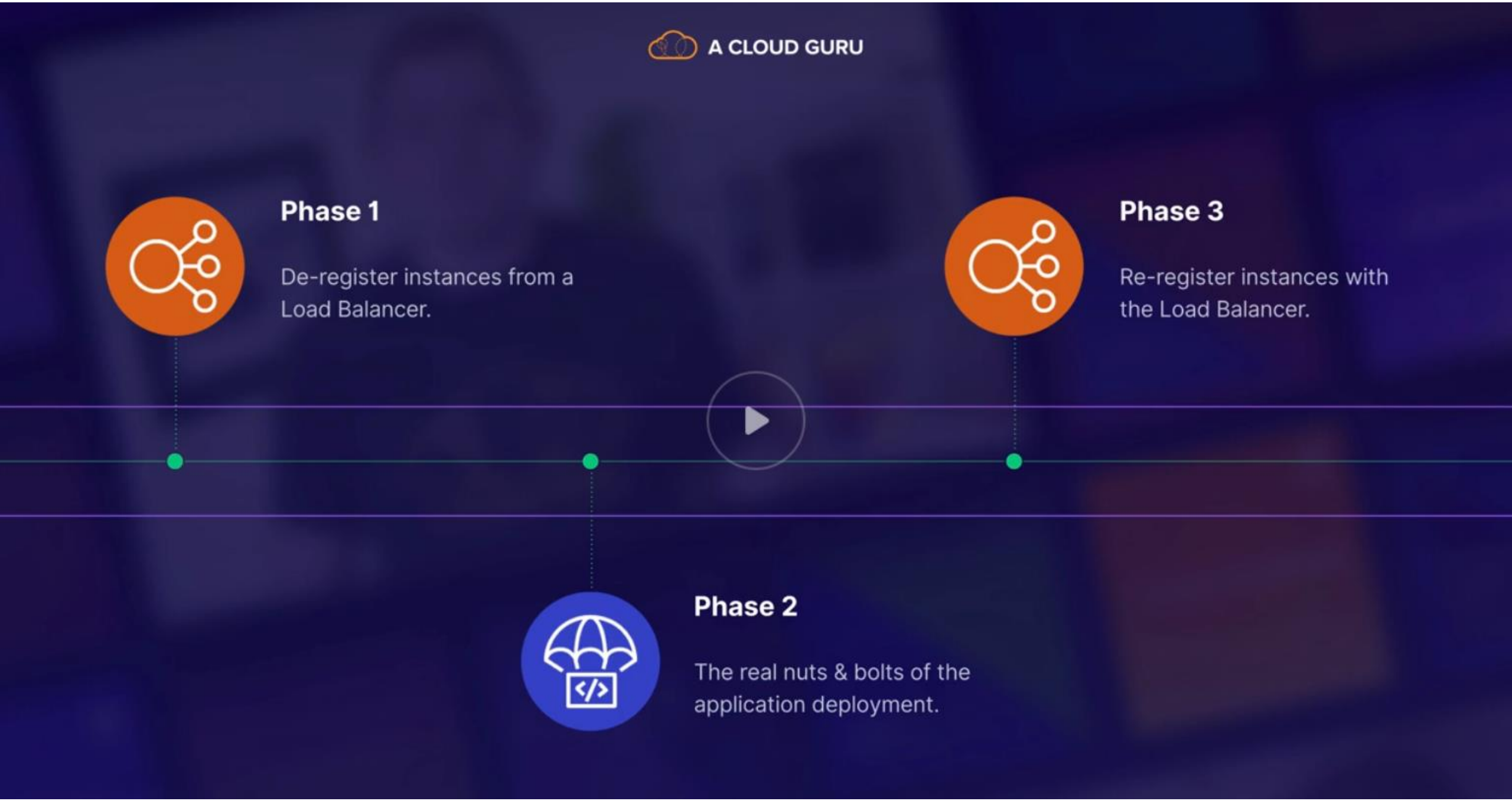
Example appspec.yml - EC2 Based Deployment


```
version: 0.0
os: linux
files:
  - source: Config/config.txt
    destination: /webapps/Config
  - source: Source
    destination: /webapps/myApp
hooks:
 BeforeInstall:
  - location: Scripts/UnzipResourceBundle.sh
  - location: Scripts/UnzipDataBundle.sh
 AfterInstall:
  - location: Scripts/RunResourceTests.sh
    timeout: 180
 ApplicationStart:
    - location: Scripts/RunFunctionalTests.sh
      timeout: 3600
 ValidateService:
    - location: Scripts/MonitorService.sh
      timeout: 3600
      runas: codedeployuser
```

Lifecycle event hooks are run in a specific order known as the Run Order.


A CLOUD GURU
Phase 1
De-register instances from a Load Balancer.
Phase 3
Re-register instances with the Load Balancer.
Phase 2
The real nuts & bolts of the application deployment.

CODEDEPLOY LIFECYCLE EVENT HOOKS

Run Order For An In-Place Deployment

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Before

Tasks you want to run on instances **before** they are de-registered from a Load Balancer

After

Tasks you want to run on instances **after** they are de-registered from a Load Balancer

Block

De-register instances from a Load Balancer

CODEDEPLOY LIFECYCLE EVENT HOOKS

Run Order For An In-Place Deployment

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ApplicationStop

Gracefully stop the application.

DownloadBundle

CodeDeploy agent copies the application revision files to a temporary location.

BeforeInstall

Pre-installation scripts, e.g. backing up the current version, decrypting files.

Install

Copy application revision files to final location.

AfterInstall

Post-install scripts e.g. configuration, file permissions.

ApplicationStart

Start any services that were stopped during ApplicationStop.

ValidateService

Run tests to validate the service.

CODEDEPLOY LIFECYCLE EVENT HOOKS

Run Order For An In-Place Deployment

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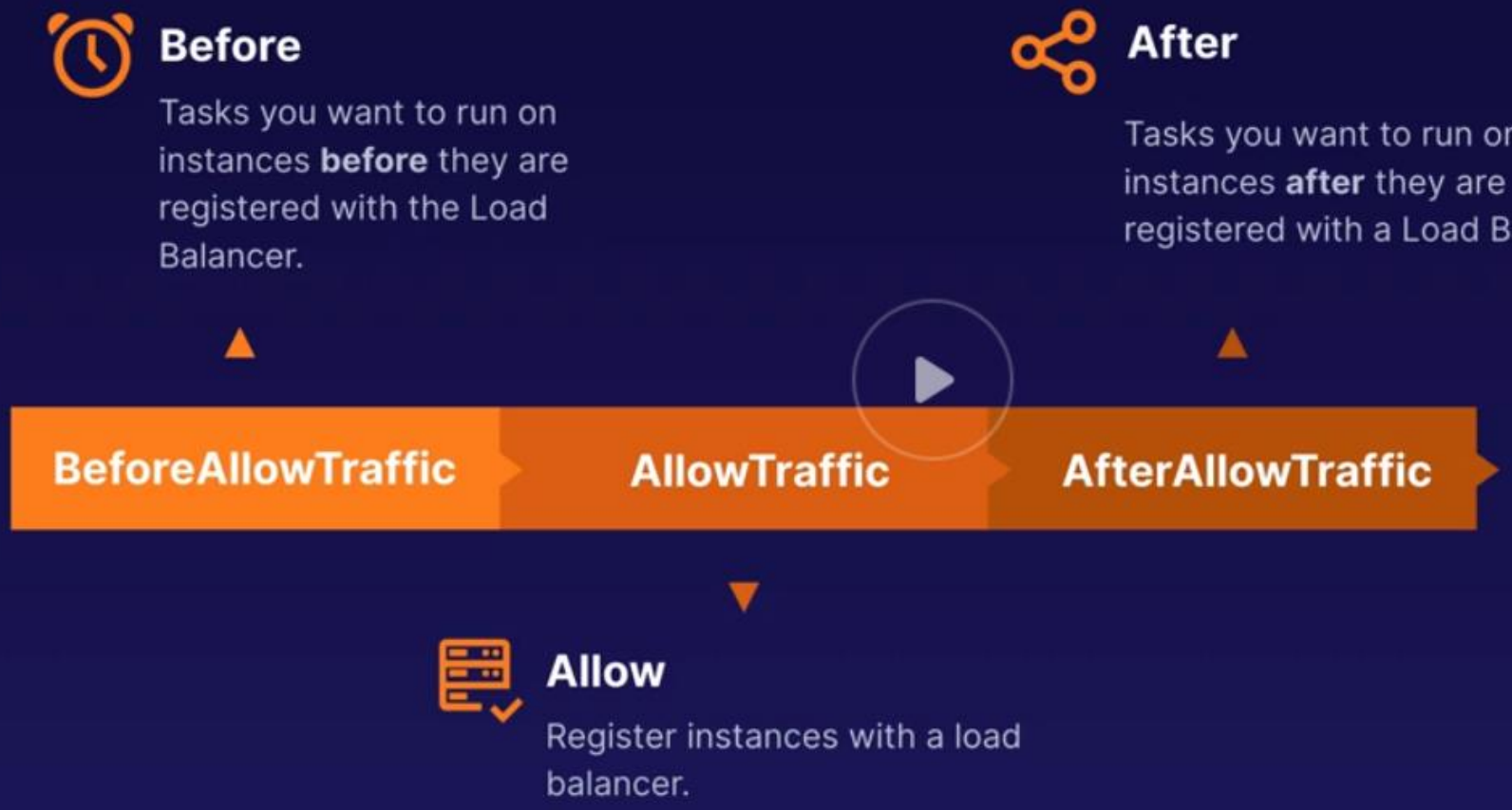

Exam Tips

Run Order

Lifecycle event hooks are run in a specific order known as the Run Order.

In-Place Deployment

Broadly 3 phases: de-registering, installation, re-registering with a Load Balancer.

Logical Flow

For the exam you'll need to understand the logical flow.