AppSpec hooks by deployment

Amazon ECS

BeforeInstall

- This deployment lifecycle event is used to run tasks before the replacement task set is created. One target group is associated with the original task set.
- If an optional test listener is specified, it is associated with the original task set. A rollback is not possible at this point.

AfterInstall

- During this lifecycle event, tasks run after the replacement task set is created and one of the target groups is associated with it.
- If an optional test listener is specified, it is associated with the original task set.
- The results of a hook function at this lifecycle event can initiate a rollback.

AfterAllowTestTraffic

- This deployment lifecycle event runs tasks after the test listener serves traffic to the replacement task set.
- The results of a hook function at this point can initiate a rollback.

BeforeAllowTraffic

- During this event, tasks run after the second target group is associated with the replacement task set, but before traffic is shifted to the replacement task set.
- The results of a hook function at this lifecycle event can initiate a rollback.

AfterAllowTraffic

- During this event, tasks run after the second target group serves traffic to the replacement task set.
- The results of a hook function at this lifecycle event can initiate a rollback.

Lambda

BeforeAllowTraffic

- This runs tasks before traffic is shifted to the deployed Lambda function version.

AfterAllowTraffic

- Once all traffic is shifted to the deployed Lambda function version, use this hook to run an event.

AfterAllowTraffic

- Once all traffic is shifted to the deployed Lambda function version, use this hook to run an event.

Amazon EC2 or on-premises

ApplicationStop

- This deployment lifecycle event occurs even before the application revision is downloaded. You can specify scripts for this event to gracefully stop the application or remove currently installed packages in preparation for a deployment.
- The AppSpec file and scripts used for this deployment lifecycle event are from the previous successfully deployed application revision.

DownloadBundle

- During this deployment lifecycle event, the CodeDeploy agent copies the application revision files to a temporary location.

BeforeInstall

- You can use this deployment lifecycle event for preinstallation tasks, such as decrypting files and creating a backup of the current version.

Install

- During this deployment lifecycle event, the CodeDeploy agent copies the revision files from the temporary location to the final destination folder.
- This event is reserved for the CodeDeploy agent and cannot be used to run scripts.

AfterInstall

- You can use this deployment lifecycle event for tasks such as configuring your application or changing file permissions.

ApplicationStart

- You typically use this deployment lifecycle event to restart services that were stopped during ApplicationStop.

ValidateService

- This is the last deployment lifecycle event. It is used to verify that deployment completed successfully.

BeforeBlockTraffic

- You can use this deployment lifecycle event to run tasks on instances before they are deregistered from a load balancer.

BlockTraffic

- During this deployment lifecycle event, internet traffic is blocked from accessing instances that are currently serving traffic.
- This event is reserved for the CodeDeploy agent and cannot be used to run scripts.

AfterBlockTraffic

- You can use this deployment lifecycle event to run tasks on instances after they are deregistered from a load balancer.

BeforeAllowTraffic

- You can use this deployment lifecycle event to run tasks on instances before they are registered with a load balancer.

AllowTraffic

- During this deployment lifecycle event, internet traffic is allowed to access instances after a deployment.
- This event is reserved for the CodeDeploy agent and cannot be used to run scripts.

AfterAllowTraffic

- You can use this deployment lifecycle event to run tasks on instances after they are registered with a load balancer.