

OpsWork

Introduction

AWS OpsWorks is a configuration management service that uses Chef, an automation platform that treats server configurations as code.

Terminology

Term	Description
Stack	A stack is a set of AWS resources that are managed together. Eg: Amazon EC2 instances, Amazon EBS volumes, and ELB's.
Layer	represents a stack component
Instances	handle tasks such as installing and configuring packages and deploying apps
Apps	code that you want to run on an application server.
Cookbooks and Recipes	handle tasks such as installing and configuring packages and deploying apps

Lifecycle Events

- setup
 - Sent when instance boots
 - Include deploy event
 - Use for initial installation of software & services
- configure
 - Sent to all instances When any instance enters or leaves online state
 - Use for making sure configuration is up-to-date
- deploy
 - Sent when you deploy via UI/API; part of each setup
 - Use for custom deployment
- undeploy
 - Sent via UI/API when apps are deleted
 - Use to remove apps from running instances
- shutdown
 - Sent when instance is shut down
 - Configurable timeout
 - Use for Clean shutdown

Chef

It is an open-source framework that automates software deployment and configuration