Creating Stacks and Managing Configuration with OpsWorks

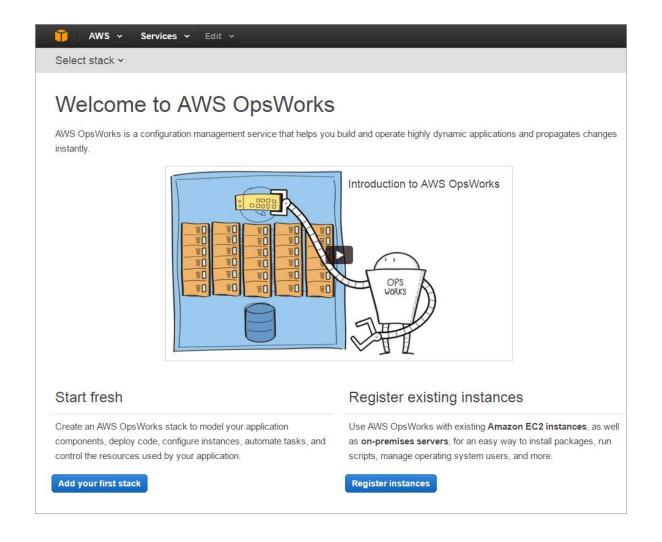


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OpsWorks Key Concepts

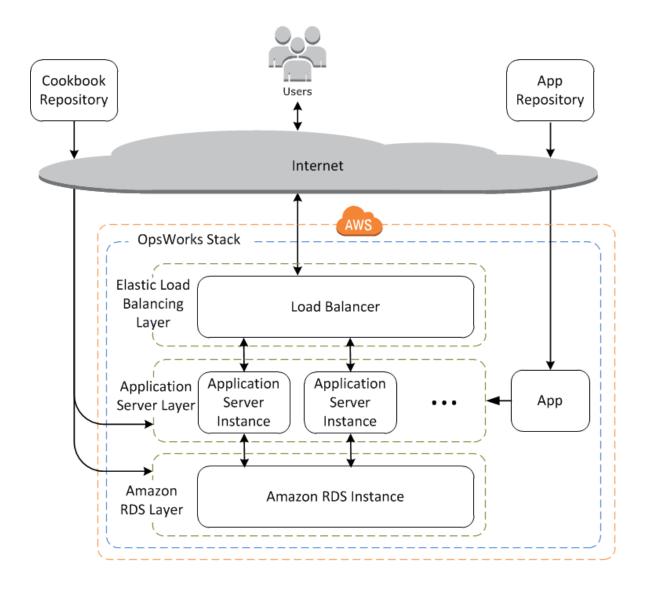




How is OpsWorks different from CloudFormation or Elastic Beanstalk?

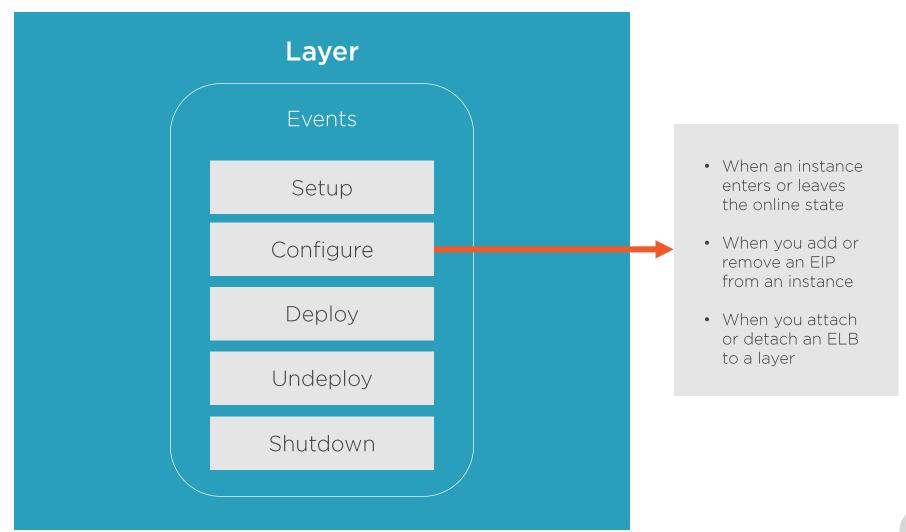


OpsWorks Key Concepts

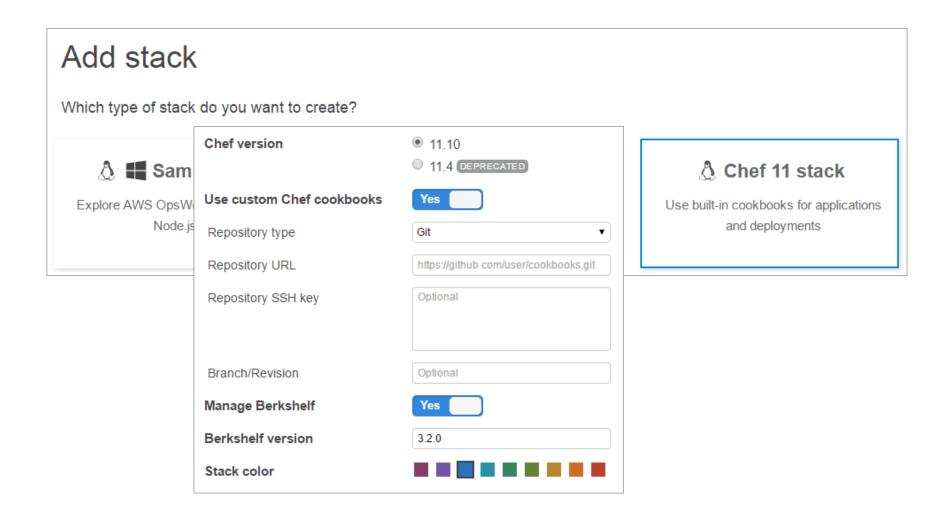




Understanding Lifecycle Events



Working with Cookbooks and Recipes





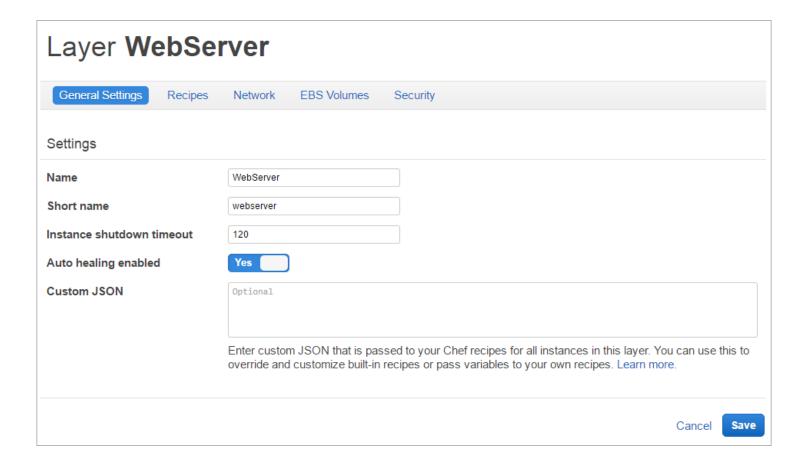
Working with Cookbooks and Recipes

```
source "https://supermarket.chef.io"

cookbook 'apt'
cookbook 'bluepill', '>= 2.3.1'
cookbook 'ark', git: 'git://github.com/opscode-cookbooks/ark.git'
cookbook 'build-essential', '>= 1.4.2', git: 'git://github.com/opscode-cookbooks/build-essential.git', tag: 'v1.4.2'
```



Replacing Failed Instances with Auto Healing





Auto Healing an Instance Store-backed Instance

- Stops the Amazon EC2 instance, and verifies that it has shut down
- 2. Deletes the data on the root volume
- 3. Creates a new Amazon EC2 instance with the same host name, configuration, and layer membership
- 4. Reattaches any Amazon EBS volumes, including volumes that were attached after the old instance was originally started
- 5. Assigns a new public and private IP Address
- 6. If the old instance was associated with an Elastic IP address, associates the new instance with the same IP address



Auto Healing an EBS-backed instance

- Stops the Amazon EC2 instance, and verifies that it has stopped
- 2. Starts the EC2 instance



Replacing Failed Instances with Auto Healing

Used when communication is lost with the instance

Stop instances with AWS OpsWorks console, CLI, or API

Use EBS volumes to store persistent data

The same OS is always used for an auto healed instance



Summary



OpsWorks Key Concepts

Understanding OpsWorks Lifecycle Events

Working with Cookbooks and Recipes

Replacing Failed Instances with Auto Healing

