

UNI: kb2896

Name: KUNAL BAWEJA

Subject: COMS E6998 Cloud Computing & Big Data

## **WordPress Application Stack on AWS CloudFormation**

### **Mini-HW-2**

#### EC2 Instance IPs

54.214.221.129

54.186.41.88

# Create stack

- Select Template
- Specify Details
- Options
- Review

## Select Template

Select the template that describes the stack that you want to create. A stack is a group of related resources that you manage as a single unit.

**Design a template** Use AWS CloudFormation Designer to create or modify an existing template. [Learn more.](#)

Design template

**Choose a template** A template is a JSON-formatted text file that describes your stack's resources and their properties. [Learn more.](#)

Select a sample template

Upload a template to Amazon S3

Choose File No file chosen

Specify an Amazon S3 template URL

https://s3.amazonaws.com/awstinaction/chapter2/template.json

[View/Edit template in Designer](#)

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# Create stack

- Select Template
- Specify Details**
- Options
- Review

## Specify Details

Specify a stack name and parameter values. You can use or change the default parameter values, which are defined in the AWS CloudFormation template. [Learn more.](#)

Stack name

## Parameters

KeyName   
Key Pair name

# Create stack

- Select Template
- Specify Details
- Options
- Review

Review

Template

Template URL

https://s3.amazonaws.com/awsinaction/chapter2/template.json

Description

AWS in Action: chapter 2

Estimate cost

[Cost](#)

Details

Stack name

wordpress

KeyName

us-west-2-key

Options

Tags

system

wordpress

Advanced

Notification

Timeout

none

Rollback on failure

Yes

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Create Stack

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Design template

C

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Filter: Active

By Name:

Showing 1 stack

	Stack Name	Created Time	Status	Description
<input checked="" type="checkbox"/>	wordpress	2016-09-26 22:14:20 UTC-0400	CREATE_IN_PROGRESS	AWS in Action: chapter 2

Overview

Outputs

Resources

Events

Template

Parameters

Tags

Stack Policy

Change Sets

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2016-09-26	Status	Type	Logical ID	Status reason
▶ 22:14:20 UTC-0400	CREATE_IN_PROGRESS	AWS::CloudFormation::Stack	wordpress	User Initiated


Create Stack Actions Design template

Filter: Active By Name: Showing 1 stack

Stack Name	Created Time	Status	Description
<input checked="" type="checkbox"/> wordpress	2016-09-26 22:14:20 UTC-0400	CREATE_COMPLETE	AWS in Action: chapter 2

Overview	Outputs	Resources	Events	Template	Parameters	Tags	Stack Policy	Change Sets
2016-09-26								
▶ 22:22:25 UTC-0400	CREATE_COMPLETE	AWS::CloudFormation::Stack	wordpress					
▶ 22:22:23 UTC-0400	CREATE_COMPLETE	AWS::AutoScaling::AutoScalingGroup	AutoScalingGroup					
▶ 22:22:22 UTC-0400	CREATE_IN_PROGRESS	AWS::AutoScaling::AutoScalingGroup	AutoScalingGroup					
▶ 22:22:22 UTC-0400	CREATE_IN_PROGRESS	AWS::AutoScaling::AutoScalingGroup	AutoScalingGroup					
▶ 22:20:39 UTC-0400	CREATE_IN_PROGRESS	AWS::AutoScaling::AutoScalingGroup	AutoScalingGroup					
22:20:37 UTC-0400	CREATE_IN_PROGRESS	AWS::AutoScaling::AutoScalingGroup	AutoScalingGroup					
▶ 22:20:35 UTC-0400	CREATE_COMPLETE	AWS::AutoScaling::LaunchConfiguration	LaunchConfiguration					
▶ 22:20:35 UTC-0400	CREATE_IN_PROGRESS	AWS::AutoScaling::LaunchConfiguration	LaunchConfiguration					
22:20:34 UTC-0400	CREATE_IN_PROGRESS	AWS::AutoScaling::LaunchConfiguration	LaunchConfiguration					
▶ 22:20:30 UTC-0400	CREATE_COMPLETE	AWS::RDS::DBInstance	Database					
▶ 22:15:48 UTC-0400	CREATE_IN_PROGRESS	AWS::RDS::DBInstance	Database					
22:15:45 UTC-0400	CREATE_IN_PROGRESS	AWS::RDS::DBInstance	Database					
▶ 22:15:42 UTC-0400	CREATE_COMPLETE	AWS::EC2::SecurityGroup	DatabaseSecurityGroup					
▶ 22:15:42 UTC-0400	CREATE_IN_PROGRESS	AWS::EC2::SecurityGroup	DatabaseSecurityGroup					

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Create Stack

Actions

Design template

Showing 1 stack

	Stack Name	Created Time	Status	Description
<input checked="" type="checkbox"/>	wordpress	2016-09-26 22:14:20 UTC-0400	CREATE_COMPLETE	AWS in Action: chapter 2

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Key	Value	Description
URL	http://awsinaction-elb-1101063020.us-west-2.elb.amazonaws.com/wordpress	Wordpress URL

Inbox - bawejaku...x

Inbox - kb2896@co...x


CloudFormation M...x

WordPress › Install...x

miniHW2: Create W...x

awsinaction-elb-1101063020.us-west-2.elb.amazonaws.com/wordpress/wp-admin/install.php

HackerRankHackerEarthQuoraedXCourseraTEDExploreCourseworks2TimecardPython for Everyrepl.it - Python C



Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title

Username

Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password, twice

A password will be automatically generated for you if you leave this blank.

Strength Indicator

Hint: The password should be at least seven characters long. To make it stronger, use upper and lower case letters, numbers, and symbols like ! " ? \$ % ^ & ; .

Your E-mail

Double-check your email address before continuing.


Privacy

☒ Allow search engines to index this site.


Install WordPress



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 **AWS** ▾ **Services** ▾ **Edit** ▾

Kunal Baweja ▾ Global ▾ Support ▾

wordpress  **system:** wordpress **Regions:** US West (Oregon) **Resource types:** (All resource types)

CloudFormation (1)

EC2

Instances (2)

Load Balancers (1)

Security Groups (3)

Snapshots (0)

Volumes (0)

EMR (0)

ElastiCache (0)

Elastic Beanstalk (0)

Glacier (0)


Kinesis (0)





RDS (1)


Redshift (0)




Route 53 (0)

S3 (0)

 Looking for more EC2 Instances? [Find and tag them using Tag Editor](#) so they appear below.

Last updated on September 26, 2016 10:35:03 PM (3m ago)    

 Filter

	Go	Alarms	 Name	Instance ID	Region	Instance state	Status checks
▶				i-0b6624bf75ff23e77	us-west-2	running	2/2 checks passed
▶				i-0f78472e64fb4e9b0	us-west-2	running	2/2 checks passed

« < **Viewing 1-2 of 2 Instances** > »

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Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

1 to 2 of 2

	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS	Public IP	Key Name	Monit	
<input type="checkbox"/>		i-0b6624bf75ff23e77	t2.micro	us-west-2a		2/2 checks ...	None		ec2-54-214-221-129.us-west-2.compute.amazonaws.com	54.214.221.129	us-west-2-key	enable
<input type="checkbox"/>		i-0f78472e64fb4e9b0	t2.micro	us-west-2b		2/2 checks ...	None		ec2-54-186-41-88.us-west-2.compute.amazonaws.com	54.186.41.88	us-west-2-key	enable

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Filter by tags and attributes or search by keyword

Name

Instance ID

Instance Type

Availability Zone

Instance State

Status Checks

Alarm Status

Public DNS

Public IP

Key Name

Monitor

i-0b6624bf75ff23e77

t2.micro

us-west-2a

running

2/2 checks ...

None

ec2-54-214-221-129.us-west-2.compute.amazonaws.com

54.214.221.129

us-west-2-key

er

i-0f78472e64fb4e9b0

t2.micro

us-west-2b

running

2/2 checks ...

None

ec2-54-186-41-88.us-west-2.compute.amazonaws.com

54.186.41.88

us-west-2-key

enable

Instance: i-0b6624bf75ff23e77

Public DNS: ec2-54-214-221-129.us-west-2.compute.amazonaws.com

Description

Status Checks

Monitoring

Tags

CloudWatch alarms: ✓ No alarms configured

Create Alarm

CloudWatch metrics: Detailed monitoring. [Disable Detailed Monitoring](#)

Showing data for: Last Hour

Below are your CloudWatch metrics for the selected resources (a maximum of 10). Click on a graph to see an expanded view. All times shown are in UTC. [View all CloudWatch metrics](#)

CPU Utilization (Percent)

Disk Reads (Bytes)

Disk Read Operations (Operations)

Disk Writes (Bytes)

Disk Write Operations (Operations)

Network In (Bytes)

Network Out (Bytes)

Network Packets In (Count)

Network Packets Out (Count)

Status Check Failed (Any) (Count)

Feedback


English

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wordpress🔍system: wordpressRegions: US West (Oregon)Resource types: (All resource types)

CloudFormation (1)

EC2

Instances (2)

Load Balancers (1)

Security Groups (3)

Snapshots (0)

Volumes (0)

EMR (0)

ElastiCache (0)


Elastic Beanstalk (0)

Looking for more EC2 Load Balancers? [Find and tag them using Tag Editor](#) so they appear below.

Last updated on September 26, 2016 10:41:10 PM (0m ago)

Filter

« < Viewing 1-1 of 1 Load Balancers > »

Go	Alarms	Load balancer name	Region	Instance count	Created at
▶ 		awsinaction-elb	us-west-2	2 Instances	September 26, 2016 10:1...

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Create Load Balancer

Actions

Filter:

Name

DNS name

State

VPC ID

Availability Zones

Type

Created At

Monitoring

awsinaction-elb

awsinaction-elb-1101063020...

vpc-10829574

us-west-2a, us-west-2b

classic

September 26, 2016 at 10:1...

Load balancer:

Description

Instances

Health Check

Listeners

Monitoring

Tags

Basic Configuration

Name:

awsinaction-elb

\* DNS name:

awsinaction-elb-1101063020.us-west-2.elb.amazonaws.com (A Record)

Scheme:

internet-facing

Availability Zones:

subnet-495a0b3f - us-west-2a, subnet-9a2618fe - us-west-2b

Creation time:

September 26, 2016 at 10:15:06 PM UTC-4

Hosted zone:

Z1H1FL5HABSF5

Status:

2 of 2 instances in service

VPC:

vpc-10829574

Port Configuration

Port Configuration:

80 (HTTP) forwarding to 80 (HTTP)


Stickiness: Disabled

Edit stickiness

Security

Source Security Group:

sg-d445e4ad, wordpress-LoadBalancerSecurityGroup-12STGAW6JXA2

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wordpress

 **system:** wordpress

**Regions:** US West (Oregon)

**Resource types:** (All resource types)

▶ CloudFormation (1)

▼ EC2

Instances (2)

Load Balancers (1)

Security Groups (3)

Snapshots (0)

Volumes (0)


▶ EMR (0)





▶ ElastiCache (0)

▶ Elastic Beanstalk (0)


▶ Glacier (0)

▶ Kinesis (0)

 Looking for more RDS DB Instances? [Find and tag them using Tag Editor](#) so they appear below.

Last updated on September 26, 2016 10:47:26 PM (0m ago)    

▼ Filter

Go	Alarms	DB Instance	Region	Status	Storage	Multi AZ	Class
▶ 		awsinaction-db	us-west-2	available	5 GB	No	db.t2.micro

« < **Viewing 1-1 of 1 DB Instances** > »

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Security Groups

Parameter Groups

Option Groups

Subnet Groups

Events

Event Subscriptions

Notifications

DB Instances > awsinaction-db

Details

Recent Events & Logs

Endpoint: awsinaction-db.ccvhfhq3xbov.us-west-2.rds.amazonaws.com:3306 (authorized) ⓘ

Configuration Details

ARN

arn:aws:rds:us-west-2:644246451492:db:awsinaction-db

Engine

MySQL 5.6.27

License Model

General Public License

Created Time

September 26, 2016 at 10:20:10 PM UTC-4

DB Name

wordpress

Username

wordpress

Option Group

default:mysql-5-6 (in-sync)

Parameter Group

default.mysql5.6 (in-sync)

Copy Tags To Snapshots

No

Resource ID

db-QTCCQHSQUNLWVLLN4D3PBQOP-A

Security and Network

Availability Zone

us-west-2a

VPC

vpc-10829574

Subnet Group

wordpress-dbsubnetgroup-1j30k5grg1y7h (Complete)

Subnets

subnet-9a2618fe  
subnet-495a0b3f

Security Groups

Security Group sg-8745e4fe (active)

Publicly Accessible

No

Writer Endpoint

awsinaction-db.ccvhfhq3xbov.us-west-2.rds.amazonaws.com

Port

3306

Certificate Authority

rds-ca-2015 (Mar 5, 2020)

Instance and IOPS

Instance Class

db.t2.micro ⓘ

Storage Type

Magnetic

IOPS

disabled

Storage

5 GB

Encryption Details

Availability and Durability

DB Instance Status

available

Multi AZ

No

Automated Backups

Disabled

Latest Restore Time

N/A

Maintenance Details

Auto Minor Version Upgrade

Yes

Maintenance Window

sat:11:40-sat:12:10

Backup Window

Disabled

Pending Maintenance

None

Tags

Add tags to your RDS resources to organize and track your Amazon RDS costs. Tags represent your business dimensions, consist of a case-sensitive key/value pair, are stored in the cloud and are private to your account. As an example, you could define a tag with key = Staging and value = LocationDB. You can add up to 50 unique keys to each resource along with an optional value for each key. For more information, go to [Using Tags](#) in the RDS User Guide.

Add/Edit Tags

Key	Value	Remove
aws:cloudformation:stack-name	wordpress	-
system	wordpress	✖
aws:cloudformation:stack-id	arn:aws:cloudformation:us-west-2:644246451492:stack/wordpress/197252d0-8458-11e6-8748-50d5ca11b8d2	-
aws:cloudformation:logical-id	Database	-

Get Started with AWS: [Learn more about our Free Tier](#) or [Sign Up for an AWS Account »](#)

FREE USAGE TIER: New Customers get free usage tier for first 12 months

Reset All

Services

Estimate of your Monthly Bill (\$ 57.37)

Amazon EC2

Amazon S3

Amazon Route 53

Amazon CloudFront

Amazon RDS

Amazon DynamoDB

Amazon ElastiCache

Amazon CloudWatch

Amazon SES

Amazon SNS

Amazon Elastic Transcoder

Amazon WorkSpaces

Amazon WorkDocs

AWS Directory Service

Amazon Redshift

Amazon Glacier

Amazon SQS

Amazon SWF

Estimate of Your Monthly Bill

☒ Show First Month's Bill (include all one-time fees, if any)

Below you will see an estimate of your monthly bill. Expand each line item to see cost breakout of each service. To save this bill and input values, click on 'Save and Share' button. To remove the service from the estimate, jump back to the service and clear the specific service's form.

<div><div>+</div><div>Amazon EC2 Service (US-East)</div></div>	\$	44.34
<div><div>+</div><div>Amazon RDS Service (US-East)</div></div>	\$	13.03
<div><div>+</div><div>AWS Support (Basic)</div></div>	\$	0.00
<b>Total Monthly Payment:</b>	\$	57.37

Save and Share

Common Customer Samples

Free Website on AWS

AWS Elastic Beanstalk Default

Marketing Web Site


Large Web Application (All On-Demand)

Media Application

European Web Application

Disaster Recovery and Backup



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Design template

⌂ ⚙

Filter: Active ▾ By Name:

Showing 1 stack

	Stack Name	Created Time	Status	Description
<input checked="" type="checkbox"/>	wordpress	2016-09-26 22:14:20 UTC-0400	DELETE_IN_PROGRESS	AWS in Action: chapter 2

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Stack name:

wordpress

Stack ID:

arn:aws:cloudformation:us-west-2:644246451492:stack/wordpress/197252d0-8458-11e6-8748-50d5ca11b8d2

Status:

DELETE\_IN\_PROGRESS

Status reason:

User Initiated

Description:

AWS in Action: chapter 2