

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

Load Balancer DNS Name

awsinaction-elb-1101063020.us-west-2.elb.amazonaws.com

RDS DNS Name

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

# 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](#)

Create Stack (Template)

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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

wordpress

Parameters

KeyName

us-west-2-key ▾

Key Pair name

Cancel

Previous

Next

Create Stack (Specify Details, key name)

Create stack

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

Review

Template

Template URL

Description

Estimate cost

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

AWS in Action: chapter 2

[Cost](#)

Details

Stack name

KeyName

wordpress

us-west-2-key

Options

Tags

system

wordpress

Advanced


Notification Timeout

Rollback on failure

none

Yes

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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_IN_PROGRESS	AWS in Action: chapter 2

Overview Outputs Resources Events Template Parameters Tags Stack Policy Change Sets

2016-09-26

22:14:20 UTC-0400

Status

CREATE\_IN\_PROGRESS

Type

AWS::CloudFormation::Stack

Logical ID

wordpress

Status reason

User Initiated

Stack creation in progress

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

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2016-09-26	Status	Type	Logical ID	Status reason
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	Received SUCCESS signal with Uniqueld i-0f78472e64fb4e9b0
22:22:22 UTC-0400	CREATE_IN_PROGRESS	AWS::AutoScaling::AutoScalingGroup	AutoScalingGroup	Received SUCCESS signal with Uniqueld i-0b6624bf75ff23e77
22:20:39 UTC-0400	CREATE_IN_PROGRESS	AWS::AutoScaling::AutoScalingGroup	AutoScalingGroup	Resource creation Initiated
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	Resource creation Initiated
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	Resource creation Initiated
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	Resource creation Initiated

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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

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

Identify 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

HackerRank

HackerEarth

Quora

edX

Coursera

TED

Explore


Courseworks2

Timecard

Python for Every...

replit - Python C...

Kunal



## 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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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

« < Viewing 1-2 of 2 Instances > »

	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

Created Resource Group (Check tags on top)

Verify EC2 instances launched via stack creation

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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
		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	enable
		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

Verify EC2 instances launched via stack creation

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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
<input checked="" type="checkbox"/>		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
<input type="checkbox"/>		i-0f78472e64fb49b0	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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Verify EC2 instances launched via stack creation

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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)

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...

Verify Load Balancer instances launched via stack creation

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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: awsinaction-elb

Description

Instances

Health Check

Listeners

Monitoring

Tags

Basic Configuration

Name:	awsinaction-elb	Creation time:	September 26, 2016 at 10:15:06 PM UTC-4
* DNS name:	awsinaction-elb-1101063020.us-west-2.elb.amazonaws.com (A Record)	Hosted zone:	Z1H1FL5HABSF5
Scheme:	internet-facing	Status:	2 of 2 instances in service
Availability Zones:	subnet-495a0b3f - us-west-2a, subnet-9a2618fe - us-west-2b	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: 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)

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

Viewing 1-1 of 1 DB Instances

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

Verify RDS instance launched via stack creation

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DB Instances

> awsinaction-db

Details

Recent Events & Logs

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

Configuration Details

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

EngineMySQL 5.6.27

License ModelGeneral Public License

Created TimeSeptember 26, 2016 at 10:20:10 PM UTC-4

DB Namewordpress

Usernamewordpress

Option Groupdefault:mysql-5.6 (in-sync)

Parameter Groupdefault.mysql5.6 (in-sync)

Copy Tags To SnapshotsNo

Resource IDdb-QTCCQHSQUNLWVLLN4D3PBOOP

A

Security and Network

Availability Zoneus-west-2a

VPCvpc-10829574

Subnet Groupwordpress-dbsubnetgroup-1j30k5grg1y7h (Complete)

Subnetsubnet-9a2618fe

subnet-495a0b3f

Security GroupsSecurity Group sg-8745e4fe (active)

Publicly AccessibleNo

Writer Endpointawsinaction-db.ccvhfhq3xbov.us-west-2.rds.amazonaws.com

Port3306

Certificate Authorityrds-ca-2015 (Mar 5, 2020)

Instance and IOPS

Instance Classdb.t2.micro ⓘ

Storage TypeMagnetic

IOPSdisabled

Storage5 GB

Encryption Details

Availability and Durability

DB Instance Statusavailable

Multi AZNo

Automated BackupsDisabled

Latest Restore TimeN/A

Maintenance Details

Auto Minor Version UpgradeYes

Maintenance Windowsat:11:40-sat:12:10

Backup WindowDisabled

Pending MaintenanceNone


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	-

Verify RDS instance launched via stack creation

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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	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

Delete Stack