# Create a Stack using an AWS CloudFormation Template

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#### Overview

This guide introduces you to AWS CloudFormation. In this lab you will use a preconfigured sample template that creates an Amazon EC2 instance and installs WordPress with a local MySQL database for storage on it.

#### **Topics Covered**

By end of this lab, you will be able to:

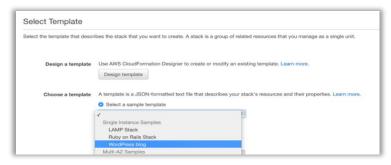
- → Create a stack using an AWS CloudFormation template
- → Monitor the progress of stack creation
- → Use the stack resources
- 1. On AWS Management Console, click CloudFormation within Management Tools.



2. Click the blue Create Stack button to start the Create Stack wizard.



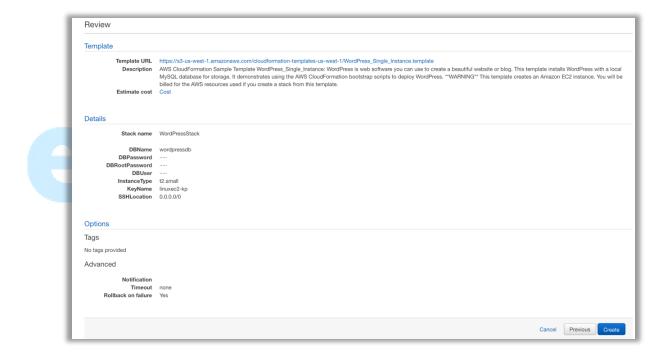
3. From the drop-down menu, under "Select a sample template", select the WordPress blog template.



4. Click Next.

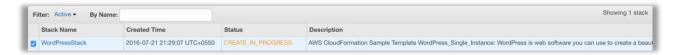
### On the Specify Details page:

- 5. Name your stack WordPressStack.
- 6. Enter a DBPassword.
- 7. Enter a DBRootPassword.
- 8. Specify the DBUser username.
- 9. In the KeyName drop down, select the name of your Amazon EC2 key pair.
- 10. The rest of the parameters are automatically populated from the template. Click Next to continue.



AWS CloudFormation creates the resources that are specified in the template.

You are automatically taken to the AWS CloudFormation console, which shows a list of stacks. Your stack's status should be CREATE\_IN\_PROGRESS.

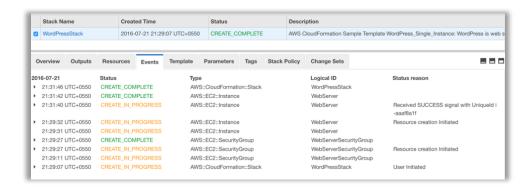


**Monitoring Stack Creation** 

It is easy to see the progress of your stack being created.

The Events tab displays each major event in the creation of the stack sorted by the time of each event, with the latest events on top. You can see different events and their status, such as CREATE\_IN\_PROGRESS or CREATE\_COMPLETE.

After AWS CloudFormation successfully creates a stack, the status of the stack changes to CREATE\_COMPLETE.



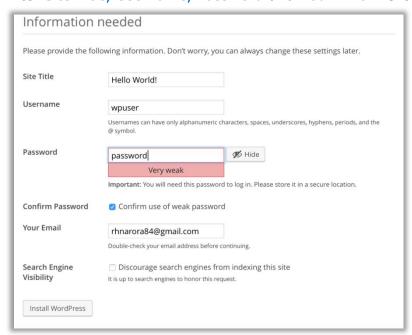
## Using the Stack

This sample template creates a WordPress website. To complete the WordPress installation:

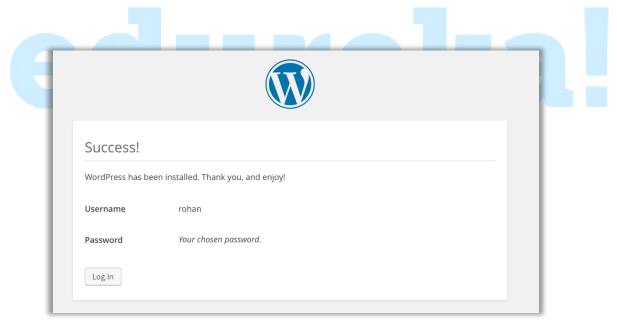
11. On the Outputs tab, click the value for the Website URL.



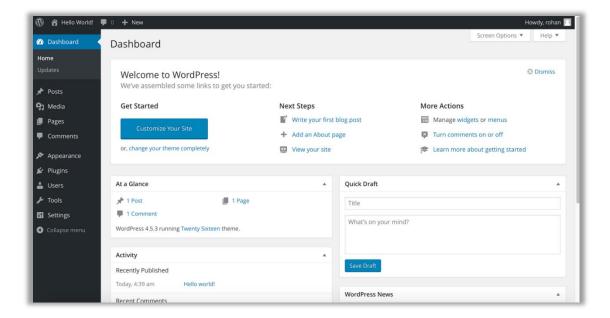
12. Enter Site Title, Username, Password and Your Email. Click Install WordPress.



13. Post Installation, you will be directed to login page.



You will then have a WordPress dashboard appear in front of you where you can set additional options for your WordPress blog.



#### Conclusion

Congratulations! You have now successfully:

- → Created a Stack using a CloudFormation template.
- → Monitored the progress of stack creation.
- → Used the stack resources.