A Guide to Self-Service Virtual Machine Deployment with AWS Student Development Platform

Before proceeding, please make sure you have received an account to log in to our Student Development Platform. You may request for an account by contacting Mr. Steve at engkwalk@nus.edu.sg. More details about requesting for an account can be found at the "CONTACT US" session on our website.

This document describes the process that a user/student might follow to request self-service provisioning of an EC2 instance in the Student Development Platform on AWS Cloud.

Make sure you have the following details to sign in to the AWS Console to submit the request for a EC2 instance in the Student Development Platform.

- Account ID
- IAM Username
- Password

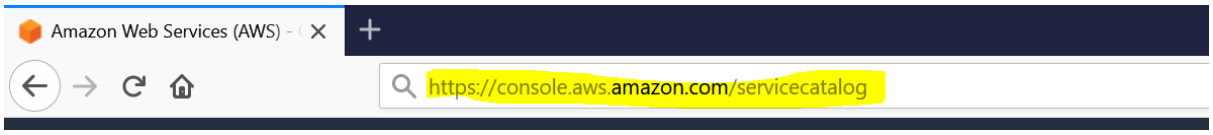
Note that without these AWS console account credentials, you will not be able to login to AWS. Please contact your program manager to request for AWS console access.

Follow these steps if you already have the above credentials.

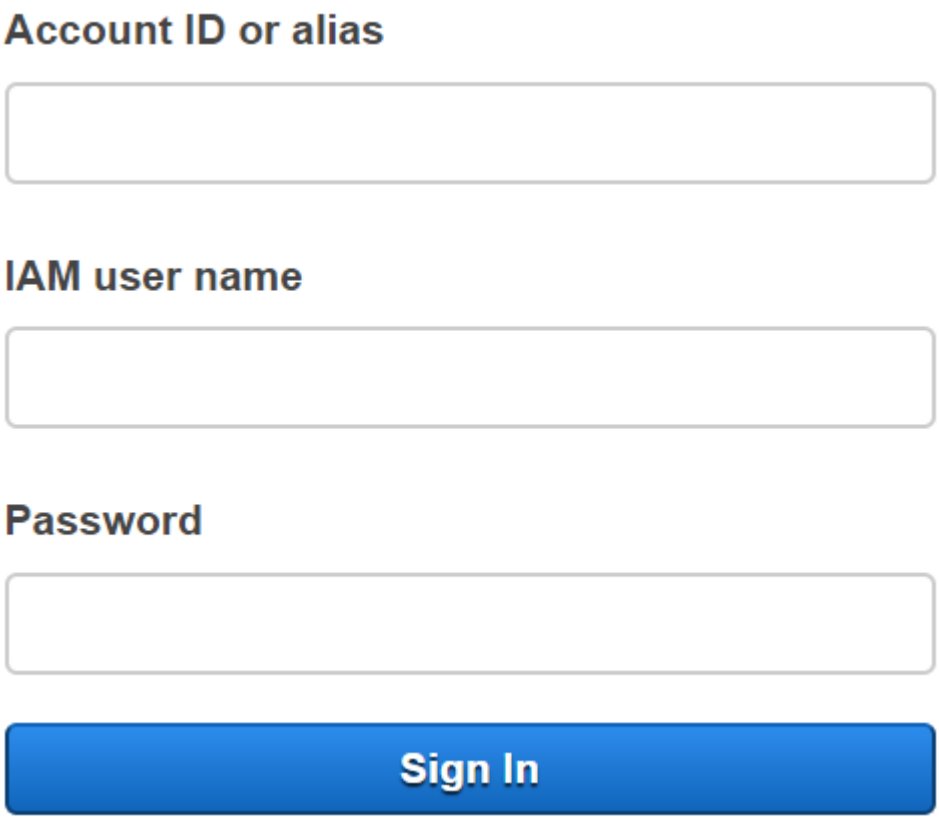
1) Open your Web browser

2) Copy and paste the below link into your browser address bar and enter.

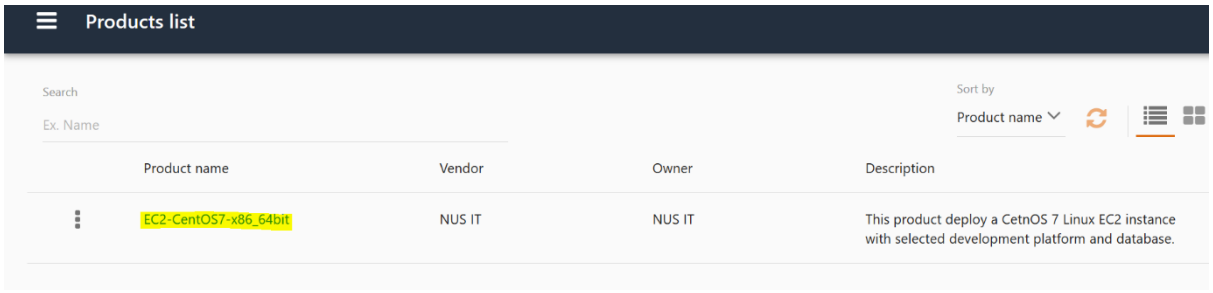
https://console.aws.amazon.com/servicecatalog



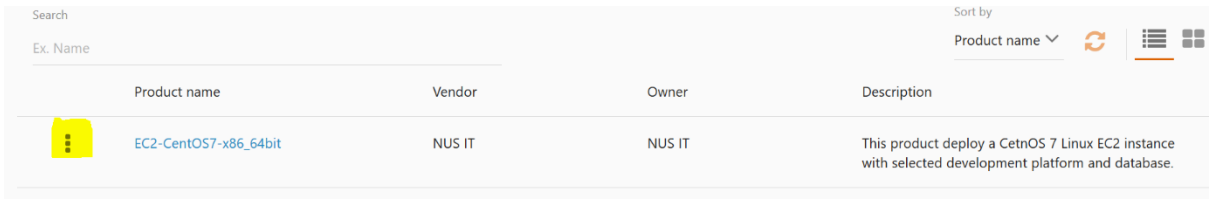
3) Login to AWS console using your account id, username and password. **If you don't have the username and password, please read the highlighted notification at the beginning of this document.**



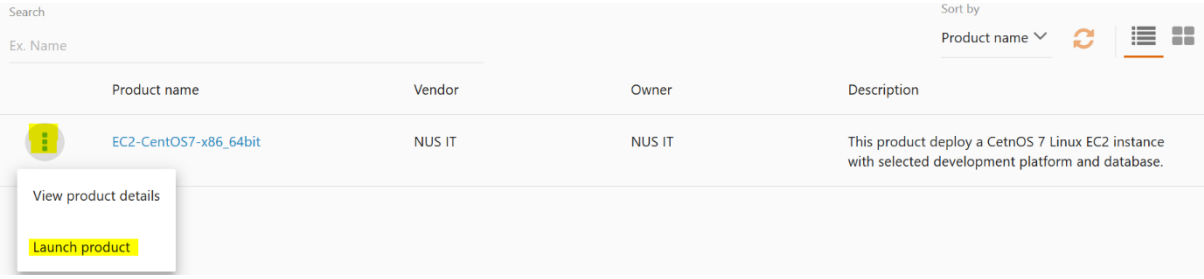
4) You can see AWS Service Catalogue like below which you can use to submit self-service ec2 instance.



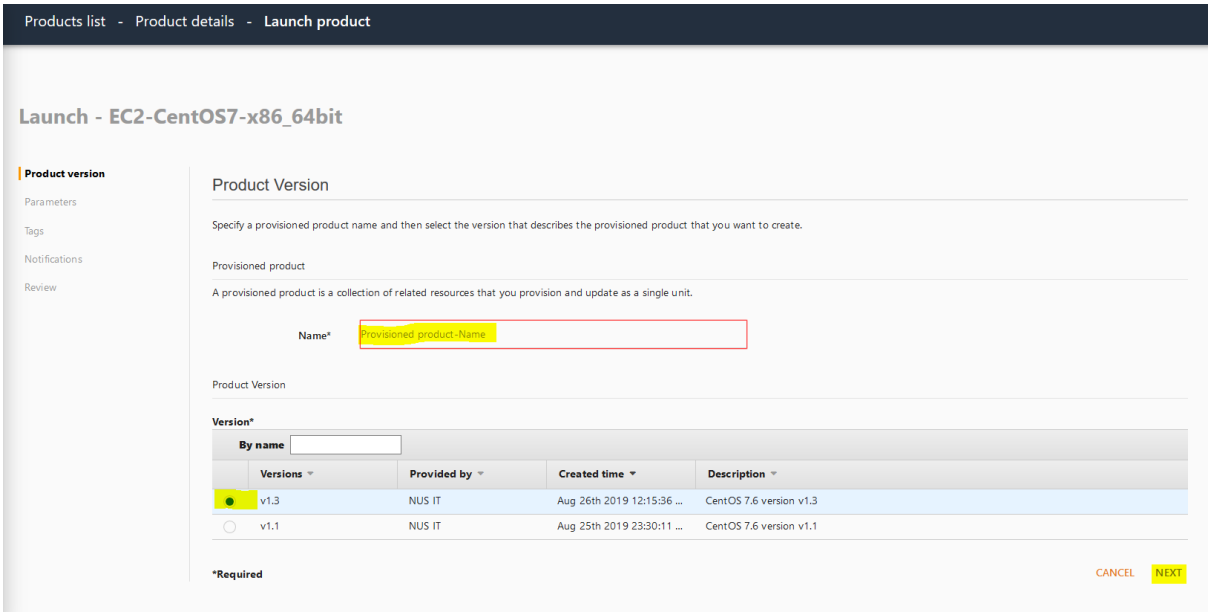
5) In the Products section of the console, choose EC2-CentOS7-x86_64bit product



6) Choose Launch product to start the wizard for configuring your product.



7) Specify a provisioned product name and then select the version that describes the provisioned product that you want to create. Please always select the latest version, in this case v1.3 and Choose Next.



8) On the Parameters page, type the following and choose Next:

NusNetId – Type your NUS student ID. Please note you will this id to SSH to ec2 instance.

VMRequesterEmailId - Type your NUSNET ID. You will receive deployment notification to this email which will give you EC2 instance IP address.

DeploymentPlatform - Choose the tools you want to deploy on the EC2 instance at the time of deployment.

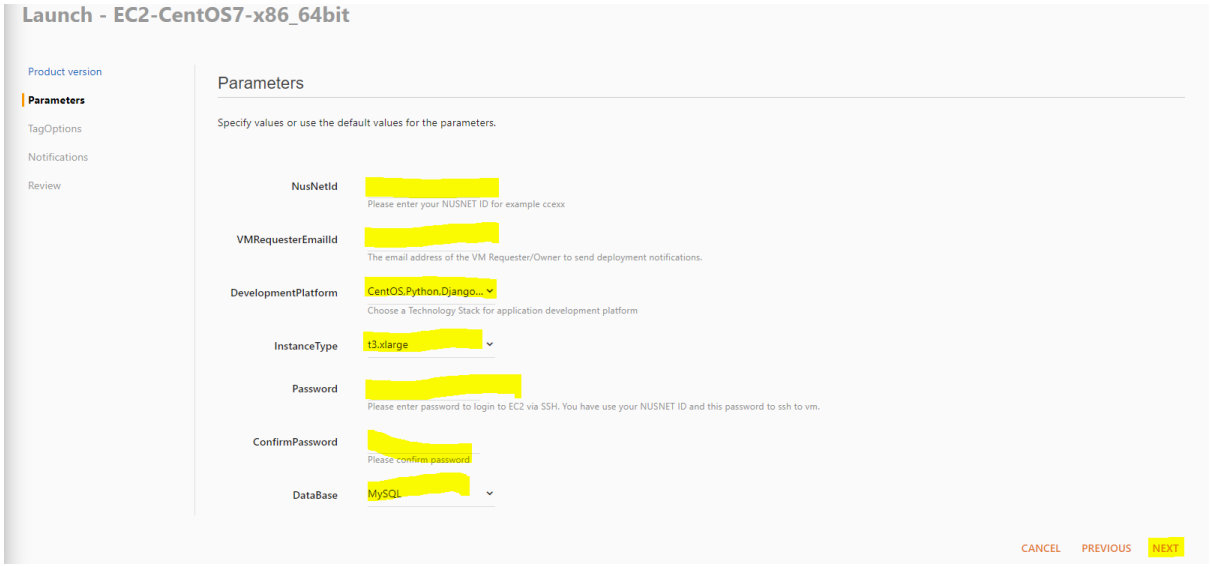
InstanceType – Choose the instance size you want to deploy.

Password – Type password. Please remember this password. You must use your NUSNET ID and this password to SSH to EC2 instance.

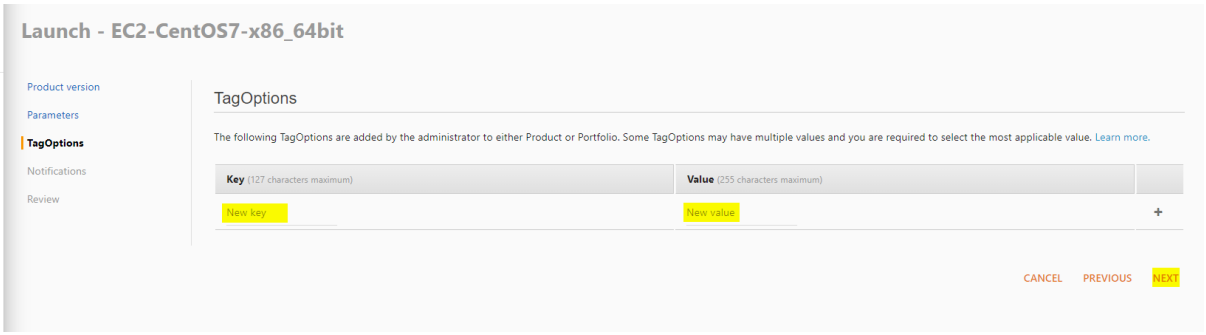
ConfirmPassword - Re-enter your password.

Database - Choose database.

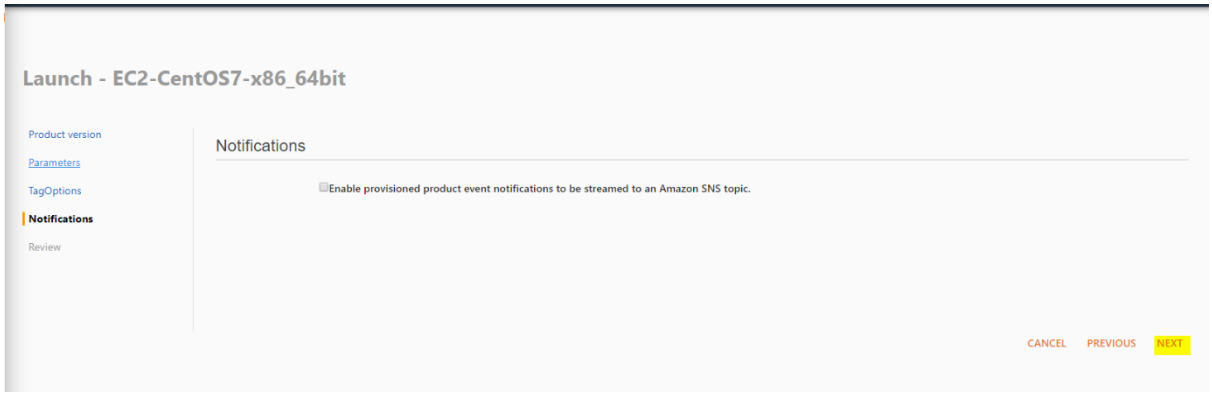
Click Next



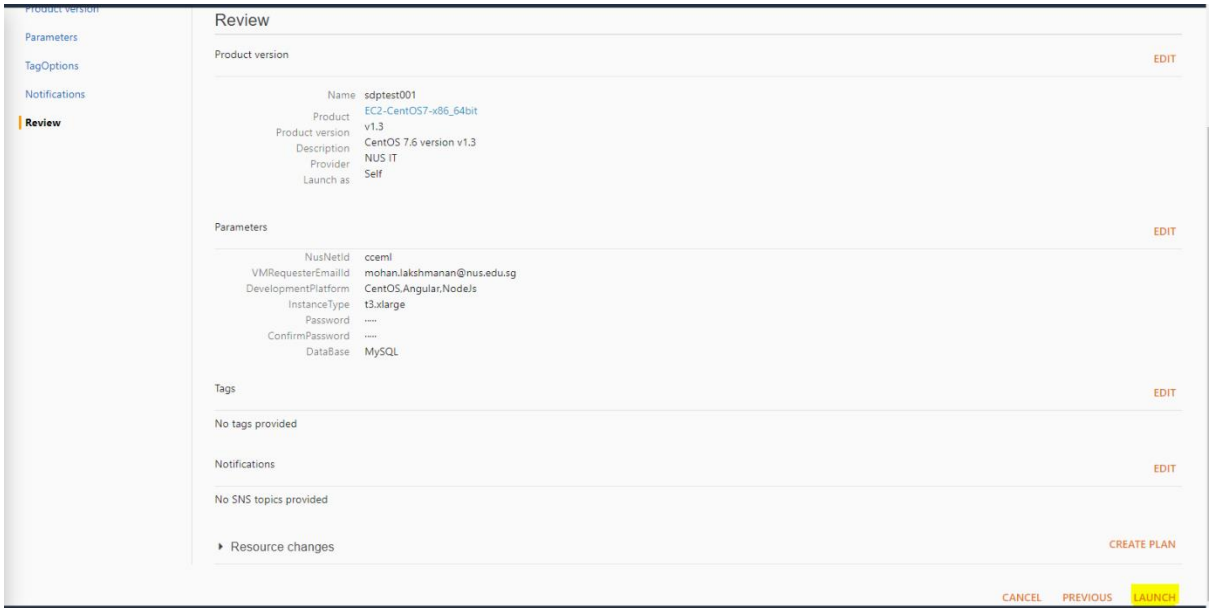
9) If you want to set any tag to your EC2 instance, then type your tag here. If you are not sure about what the tag is for, just Click Next.

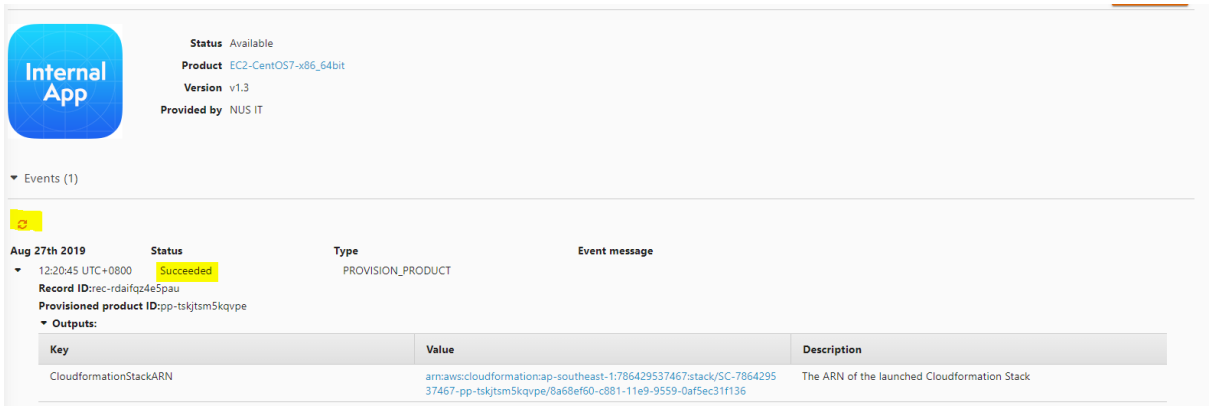


10) Click Next



11) On the Review page, review the information that you typed, and then choose **Launch** to launch the stack. The console displays the stack details page for the stack. The initial status of the product is **Launching**. It takes several minutes for AWS Service Catalogue to launch the product. To see the current status, refresh your browser. After the product is launched, the status is **Available**.





By this time, you should receive email notification to your NUSNET e-mail with deployment status and EC2 instance IP address.

You can open the attached guide that describes the process/steps to SSH to your EC2 instance.

Your AWS EC2 self-service server deployment request has been successfully completed. Please use your NUSNET ID and password you typed at the deployment to ssh to EC2 instance. Also find the attached guide to login to your EC2 instance via SSH.

CentOS Linux	
Deployment Summary	
Instance ID	
Private IPs	
Account ID or alias	
User Account	