
A Guide to Self-Service VM Deployment with AWS Student Platform

This document describes the process that a user/student might follow to request provisioning of a self-service ec2 instance in student development platform on AWS cloud.

Make sure you have the following details to sign in to AWS console to submit self-service ec2 instance in student development platform.

- Account ID
- IAM User Name
- Password

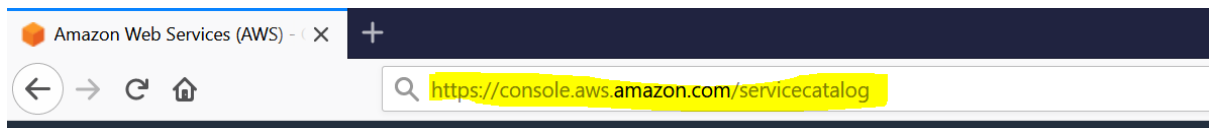
NOTE: If you don't have the above AWS console account credentials then you will not be able to login to AWS. Please contact your program manager to request AWS console access.

Follow the below 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


Account ID or alias

IAM user name


Password

Sign In


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

Products list				
Search		Sort by		
Ex. Name		Product name		
Product name	Vendor	Owner	Description	
 EC2-CentOS7-x86_64bit	NUS IT	NUS IT	This product deploy a CetnOS 7 Linux EC2 instance with selected development platform and database.	

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

Search		Sort by		
Ex. Name		Product name		
Product name	Vendor	Owner	Description	
 EC2-CentOS7-x86_64bit	NUS IT	NUS IT	This product deploy a CetnOS 7 Linux EC2 instance with selected development platform and database.	

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

Search				Sort by
Ex. Name				Product name ▾
	Product name	Vendor	Owner	Description
	EC2-CentOS7-x86_64bit	NUS IT	NUS IT	This product deploy a CetnOS 7 Linux EC2 instance with selected development platform and database.
<div>View product details</div> <div>Launch product</div>				

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.

Products list - Product details - Launch product

Launch - EC2-CentOS7-x86_64bit

Product version
Parameters
Tags
Notifications
Review

Product Version

Specify a provisioned product name and then select the version that describes the provisioned product that you want to create.

Provisioned product

A provisioned product is a collection of related resources that you provision and update as a single unit.

Name*

Product Version

Version*

By name <input type="text"/>			
Versions ▾	Provided by ▾	Created time ▾	Description ▾
<input checked="" type="radio"/> v1.3	NUS IT	Aug 26th 2019 12:15:36 ...	CentOS 7.6 version v1.3
<input type="radio"/> v1.1	NUS IT	Aug 25th 2019 23:30:11 ...	CentOS 7.6 version v1.1

*Required

CANCEL 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 NUS e-mail id. You will receive deployment notification to this email id 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 instance size you want to deploy.

Password – Type password. Please remember this password. You have to use your NUS student id and this password to ssh to ec2 instance.

ConfirmPassword - Re-enter your password.

Database - Choose database.

Click Next

Launch - EC2-CentOS7-x86_64bit

Product version

Parameters

TagOptions

Notifications

Review

Parameters

Specify values or use the default values for the parameters.

NusNetId Please enter your NUSNET ID for example ccexx

VMRequesterEmailId The email address of the VM Requester/Owner to send deployment notifications.

DevelopmentPlatform **CentOS.Python.Django...** Choose a Technology Stack for application development platform

InstanceType **t3.xlarge**

Password Please enter password to login to EC2 via SSH. You have use your NUSNET ID and this password to ssh to vm.

ConfirmPassword Please confirm password

DataBase **MySQL**

CANCEL PREVIOUS 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 is tag the just Click Next.

Launch - EC2-CentOS7-x86_64bit

Product version

Parameters

TagOptions

Notifications

Review

TagOptions

The following TagOptions are added by the administrator to either Product or Portfolio. Some TagOptions may have multiple values and you are required to select the most applicable value. [Learn more.](#)

Key (127 characters maximum)	Value (255 characters maximum)	
<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	+

CANCEL PREVIOUS NEXT

10). Click Next

Launch - EC2-CentOS7-x86_64bit

Product version

Parameters

TagOptions

Notifications

Review

Notifications

☐ Enable provisioned product event notifications to be streamed to an Amazon SNS topic.

CANCEL PREVIOUS 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 Catalog to launch the product. To see the current status, refresh your browser. After the product is launched, the status is Available.

Product version
Parameters
TagOptions
Notifications
Review

Review

Product version
EDIT

Name sdptest001
Product EC2-CentOS7-x86_64bit
Product version v1.3
Description CentOS 7.6 version v1.3
Provider NUS IT
Launch as Self

Parameters
EDIT

NusNetId cceml
VMRequesterEmailId mohan.lakshmanan@nus.edu.sg
DevelopmentPlatform CentOS,Angular,Node.js
InstanceType t3.xlarge
Password ----
ConfirmPassword ----
DataBase MySQL

Tags
EDIT

No tags provided

Notifications
EDIT

No SNS topics provided

Resource changes
CREATE PLAN

CANCEL PREVIOUS LAUNCH


Status Available
Product EC2-CentOS7-x86_64bit
Version v1.3
Provided by NUS IT

Events (1)

Aug 27th 2019	Status	Type	Event message						
12:20:45 UTC+0800	Succeeded	PROVISION_PRODUCT	Record ID:rec-rdaifqz4eSpau Provisioned product ID:pp-tskjtsm5kqvpe <div> <div>Outputs:</div> <table> <thead> <tr> <th>Key</th> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>CloudformationStackARN</td> <td>arn:aws:cloudformation:ap-southeast-1:786429537467:stack/SC-786429537467-pp-tskjtsm5kqvpe/8a68ef60-c881-11e9-9559-0af5ec31f136</td> <td>The ARN of the launched Cloudformation Stack</td> </tr> </tbody> </table> </div>	Key	Value	Description	CloudformationStackARN	arn:aws:cloudformation:ap-southeast-1:786429537467:stack/SC-786429537467-pp-tskjtsm5kqvpe/8a68ef60-c881-11e9-9559-0af5ec31f136	The ARN of the launched Cloudformation Stack
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CloudformationStackARN	arn:aws:cloudformation:ap-southeast-1:786429537467:stack/SC-786429537467-pp-tskjtsm5kqvpe/8a68ef60-c881-11e9-9559-0af5ec31f136	The ARN of the launched Cloudformation Stack							

By this time, you should receive email notification to your nus email id with deployment status and ec2 instance ip address.

You can open attached guide that describes the process/steps to ssh to your ec2 instance.

 **Connect-to-Your-Amazon-EC2-Instance.pdf** ▾
539 KB

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	