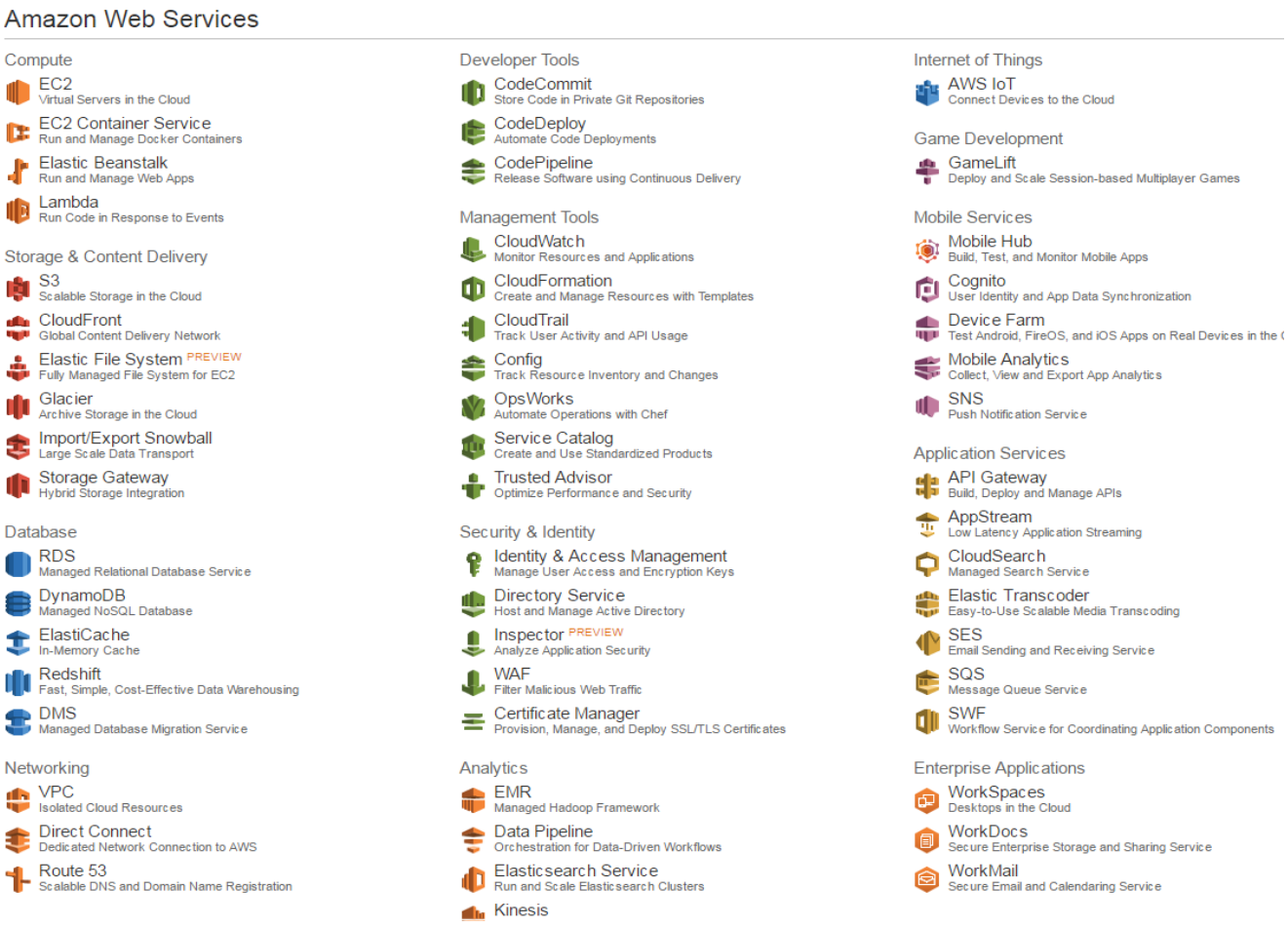
Create Amazon Machine Image with Linux OS by *kvreddi*

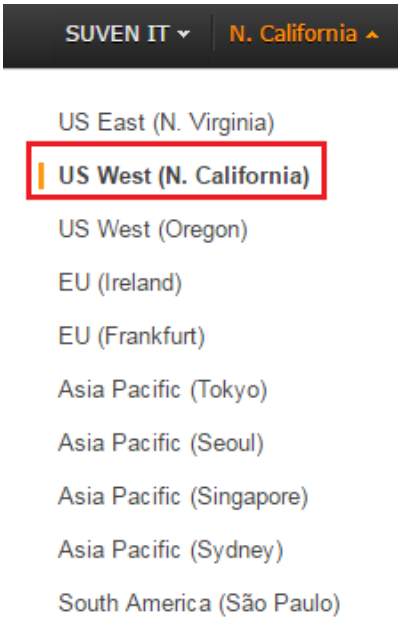
STEP#1: Login to Amazon Web Service Console



The AWS Management Console is a web control panel for managing all your AWS resources, from EC2 instances. The Console enables cloud management for all aspects of the AWS account, including managing security credentials, or even setting up new IAM Users.

STEP#2: Select the right AWS Region

Amazon Web Services is available in different Regions all over the world and the Console lets you provision resources across multiple regions. You usually choose a region those best suits your business needs to optimize your customer's experience



Create an AMI starting from an EBS-backed instance

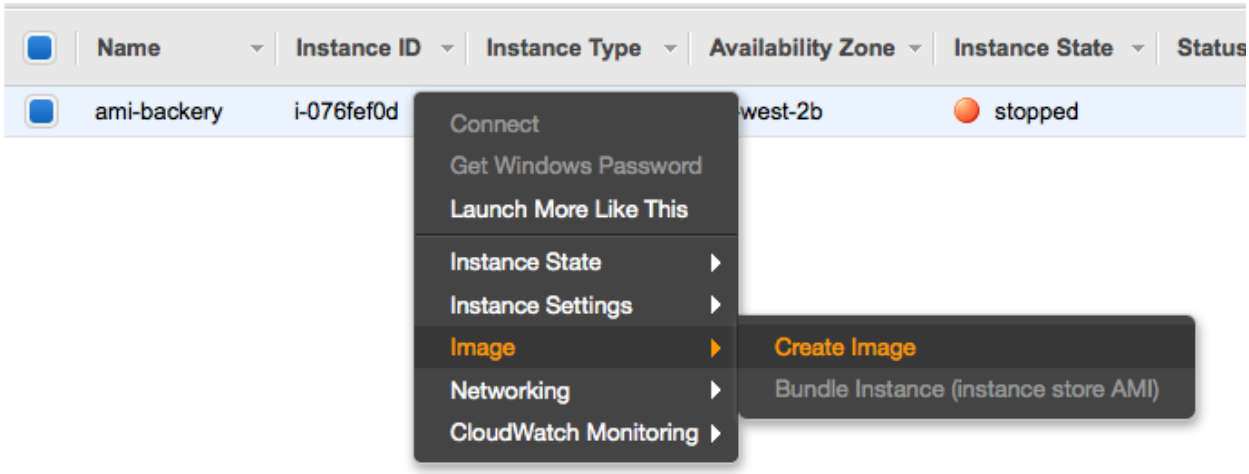
An AMI contains all information necessary to boot an Amazon EC2 instance with your software. An AMI is like a virtual machine template and it might contain custom software, standard system packages or any other file added by the AMI author. Creating your own AMI is a crucial operation if you have to build a clustered infrastructure that uses the EC2 Autoscaling Group feature.

AWS Auto Scaling needs self-configurable instances in order to automatically scale up or down your cluster according to the specified policies.Your AMI becomes the basic unit of deployment; it enables you to rapidly boot new custom instances as you need them.

All AMIs are categorized as either backed by Amazon EBS or backed by instance store. The former means that the root device for an instance launched from the AMI is an Amazon EBS volume created from an Amazon EBS snapshot. The latter means that the root device for an instance launched from the AMI is an instance store volume created from a template stored in Amazon S3. You can implement Amazon EBS backed AMIs by creating a set of snapshots and registering an AMI that uses those snapshots. The AMI publisher controls the default size of the root device through the size of the snapshot.

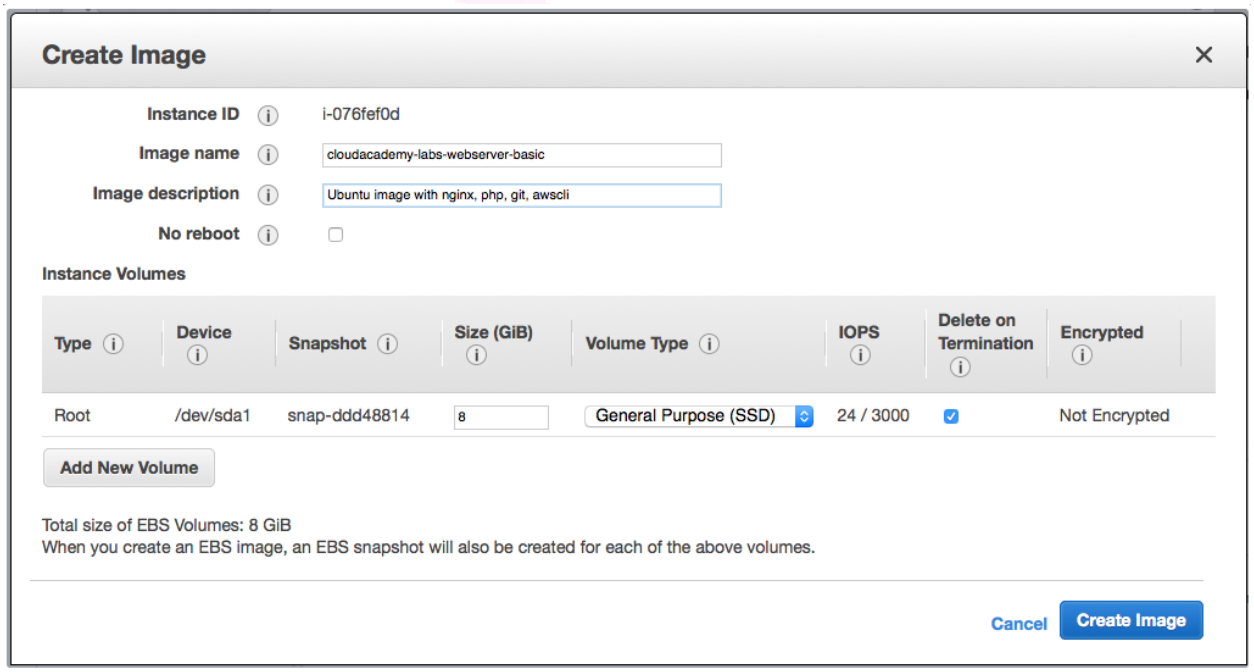
Creating an AMI from an EBS-backed instance is an easy and automated task.

- Go to the Instances section of the EC2 Console
- Locate the previously created instance, select it and then right click on it.
- Select Image submenu and click on Create Image.

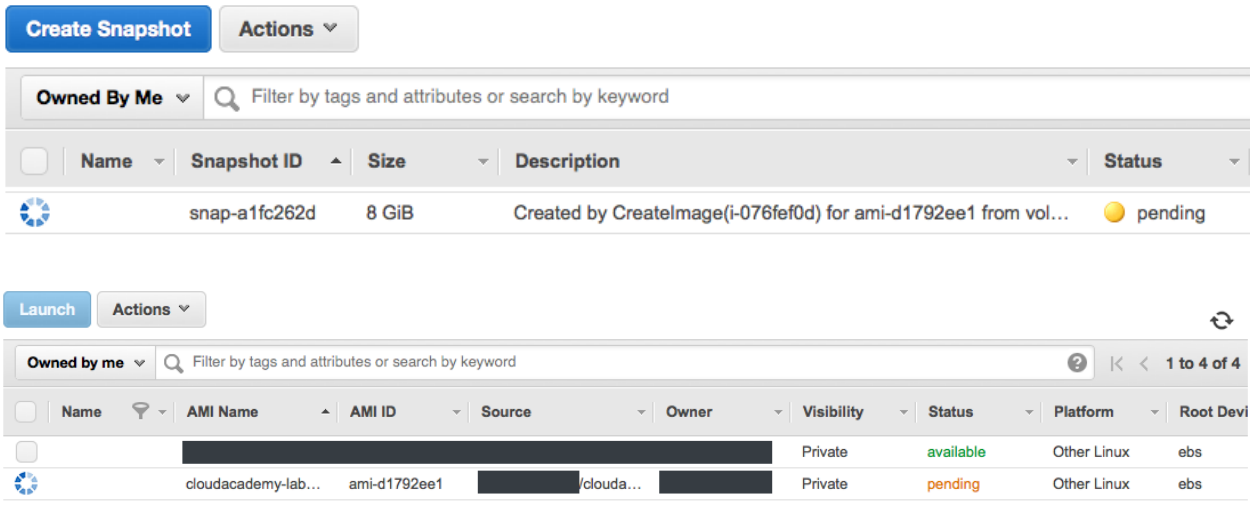


Enter the Image name, the Image description and check the Instances Volumes configuration. You can choose to add more volumes of different types and sizes.

When you have been finished, click on **Create Image** blue button.



The AMI creation takes some minutes to be processed, because AWS has to create an EBS snapshot and then register the newly created AMI. You can check the status by going to the Snapshot section and then to the AMI section.



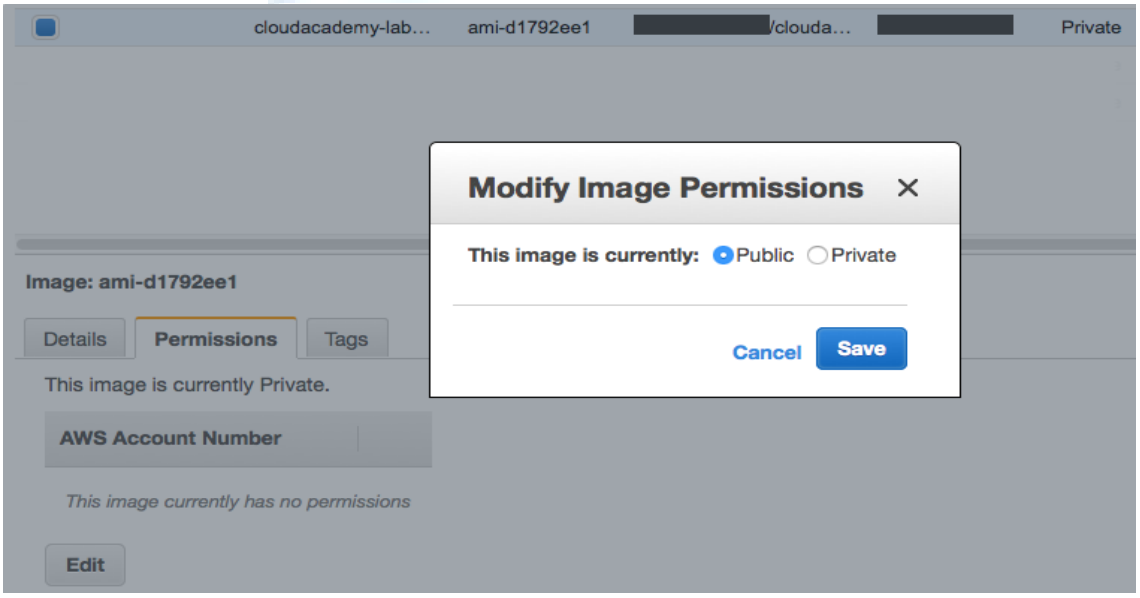
When the AMI status switches from pending to available, you are able to create new EC2 instances by using it.

Make public an AMI

After the creation of an AMI, you are the only user able to use it during the EC2 launching process. If you want to allow the deployment of new EC2 instances starting from your AMI, you have to edit the Image permissions.

Select your AMI, click on the **Permissions** Tab and then on the Edit button.

You can choose to make it publicly available or to allow its usage only to a restricted set of AWS accounts.



SUVEN IT

About us

SUVEN IT *established in 01-Jan--2010 by* ***Mr. kvreddi*** *having 20 years teaching and 17 years of real time work experience across USA & India, We are recognized as a leader in all IT training Courses to supply quality IT Professionals to Industry. SUVEN IT committed to provide high quality service with elevated level of student's satisfaction and provides the high end industry training and real time knowledge to students.*

We trained and placed 3000+ Students in top MNC's within 6 Years (Most of them are selected in first interview)