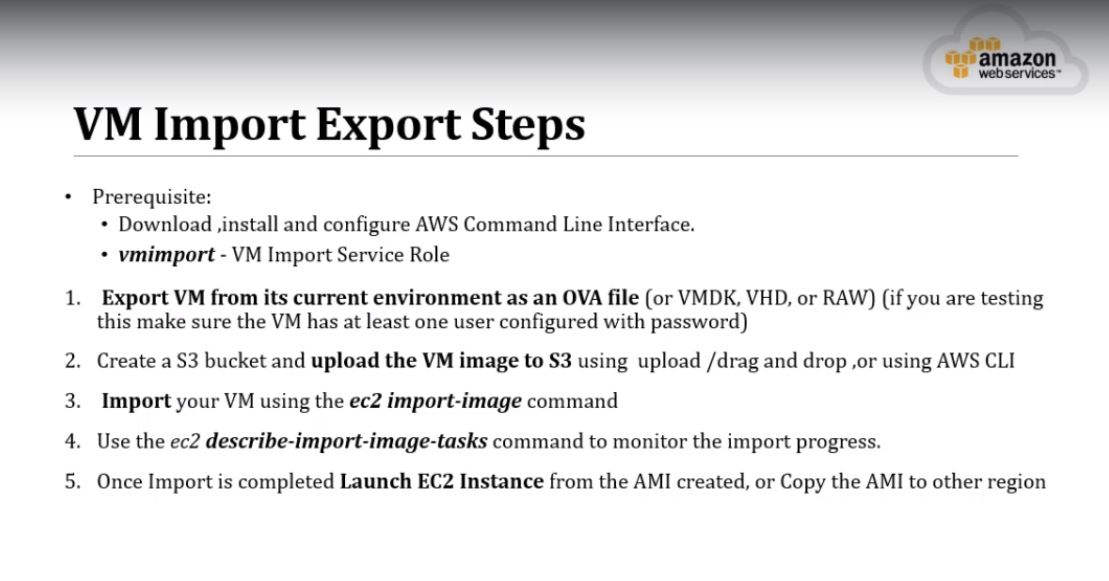
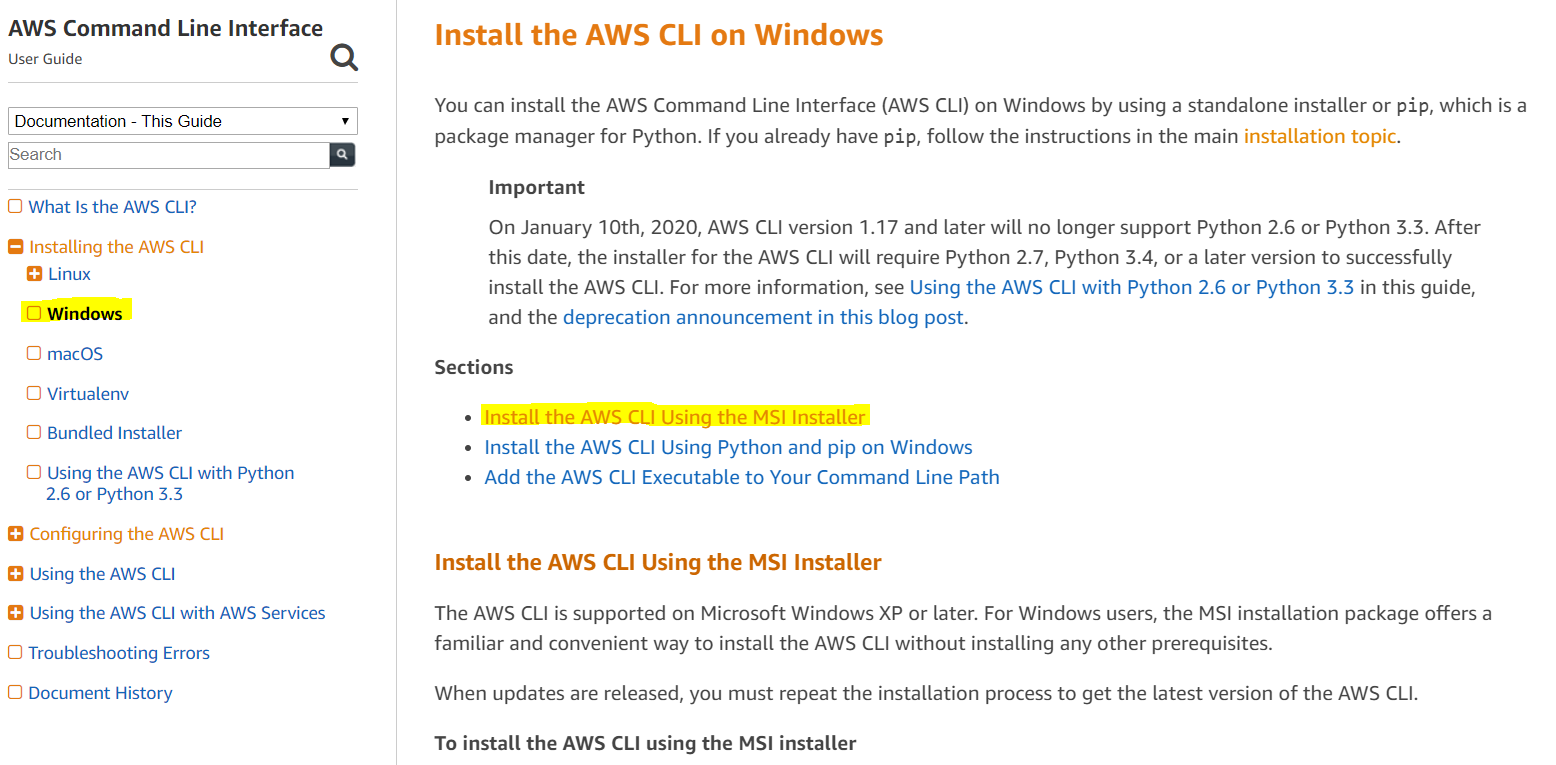
### **Migration from On-Premises to Cloud Premises**

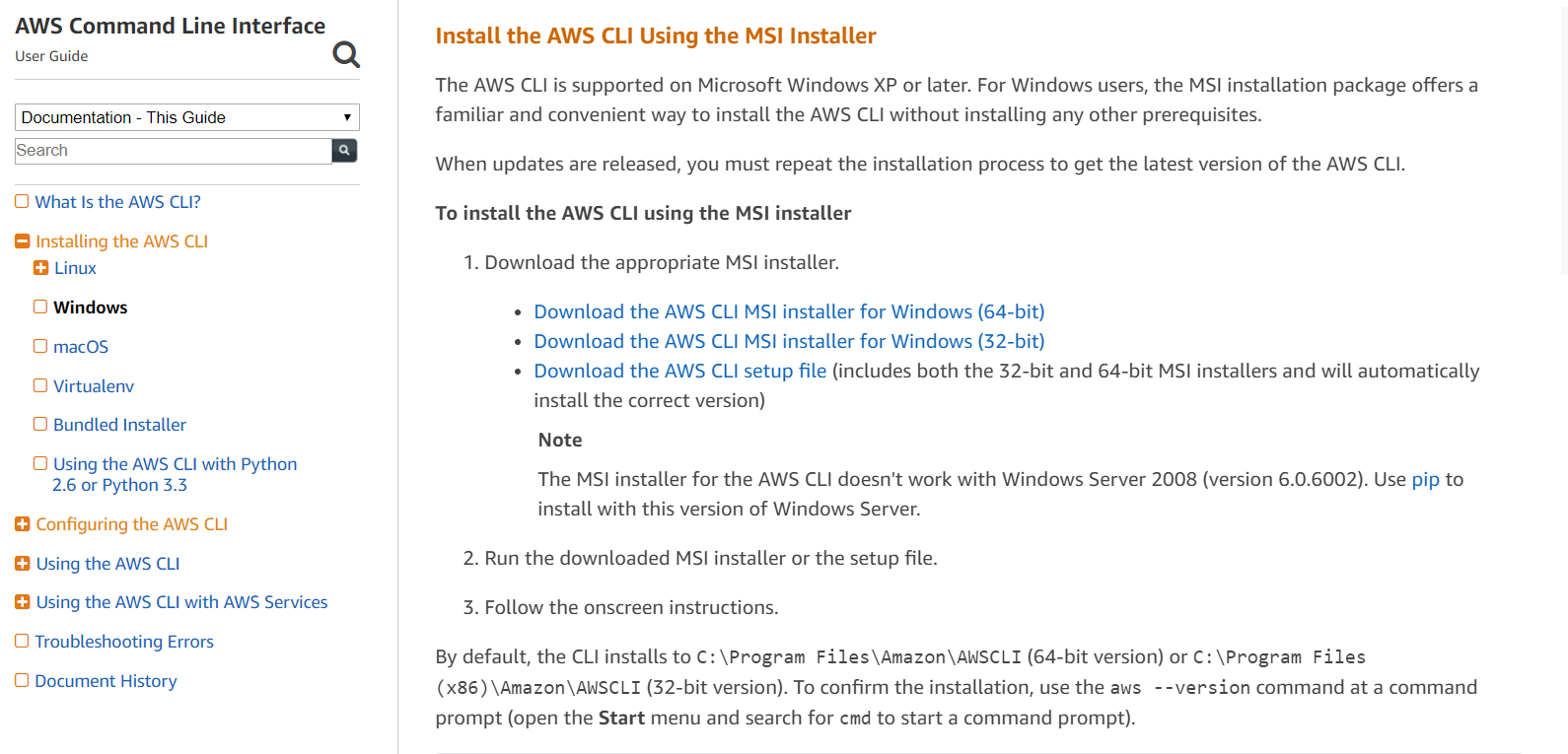


**Installing the AWS CLI**

<https://docs.aws.amazon.com/cli/latest/userguide/cli-chap-install.html>



**Download the MSI installer for Windows (64-bit)**

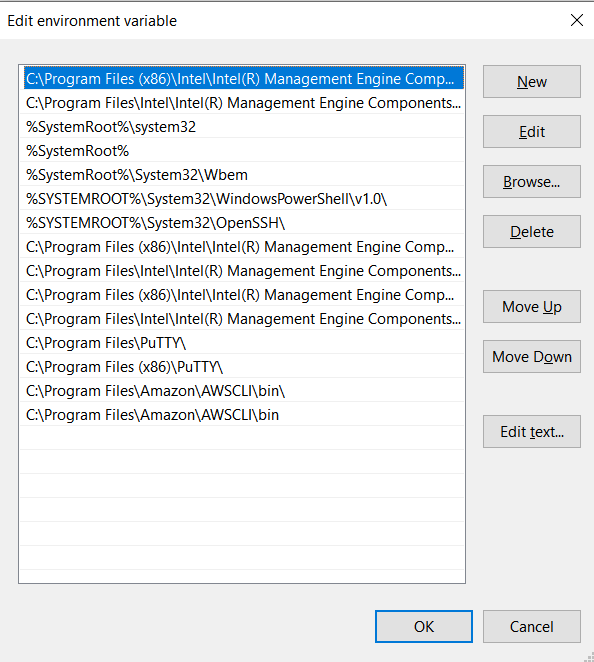


Like below a file will be downloaded and it need to RUN and setup.

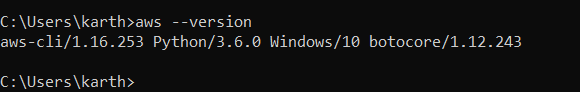


**Set up the environmental Variable:**

* Search for “View Advanced System Setting”
* Go to Environmental Variable
* Click on the Path variable and Edit
* Click new and add the Path of the AWSCLI bin directory and Click ok to set.

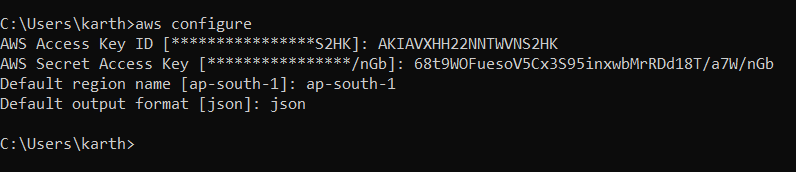


* Verify from the command line as below,

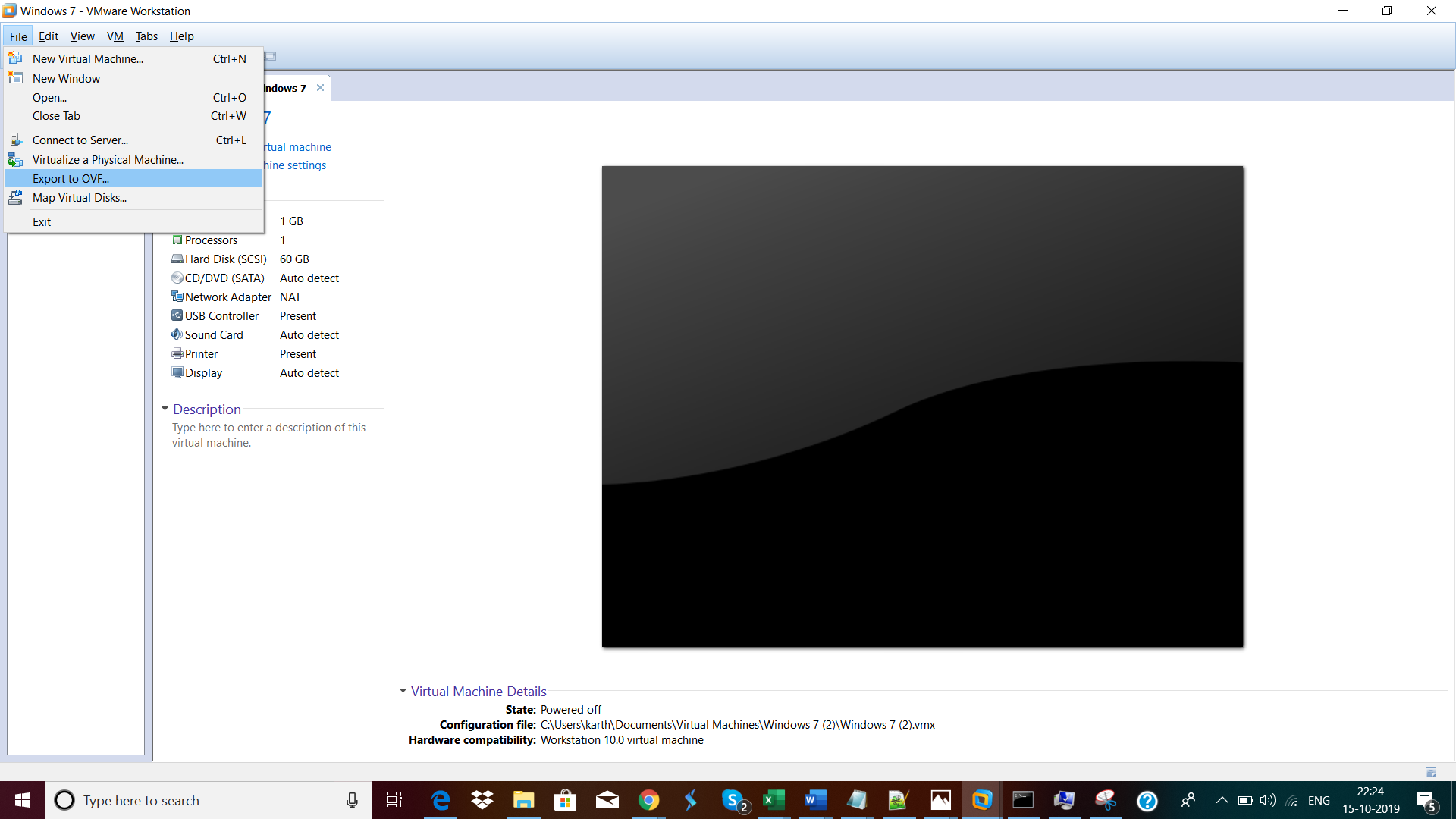


**Configuring the AWS CLI:**

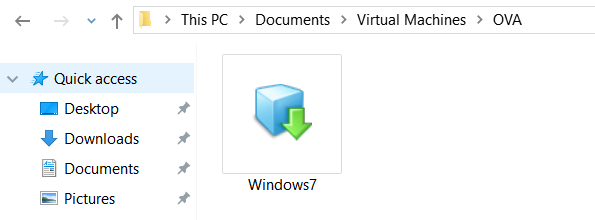
Create an IAM user with full Administrative access and keep ready the Access key & Secret key.



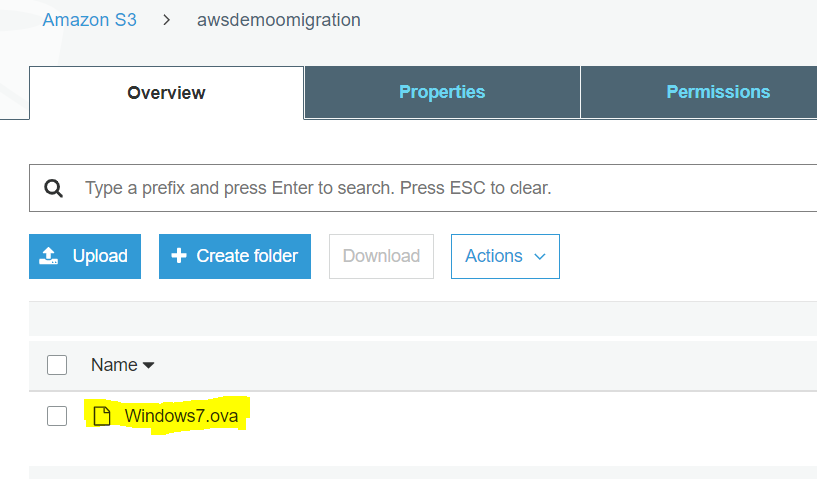
**Export VM from its Current Env as an OVA File:**



Save as .ova file in the local machine, like below.



**Create a S3 bucket & upload the VM Image:**



**VMImport – VM Import Service Role:**

Refer the below link,

<https://docs.aws.amazon.com/vm-import/latest/userguide/vmie_prereqs.html#vmimport-role>

1. Create a file named trust-policy.json on your computer. Add the following policy to the file.



{

   "Version": "2012-10-17",

   "Statement": [

      {

         "Effect": "Allow",

         "Principal": { "Service": "vmie.amazonaws.com" },

         "Action": "sts:AssumeRole",

         "Condition": {

            "StringEquals":{

               "sts:Externalid": "vmimport"

            }

         }

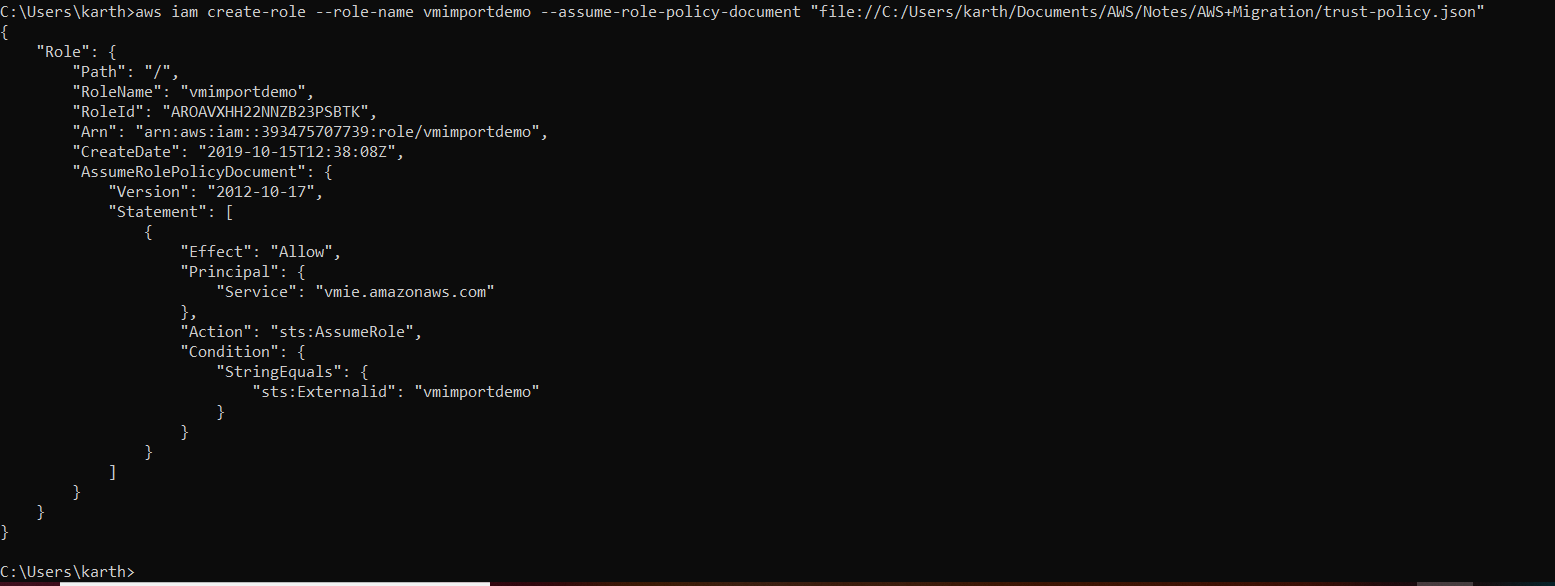
      }

   ]

}

1. Create-role command to create a role as vmimport & grant VM Import/Export access to it.

*aws iam create-role --role-name vmimport --assume-role-policy-document "file://C:/Users/karth/Documents/AWS/Notes/AWS+Migration/trust-policy.json"*



1. Create a file named role-policy.json with the following policy.



{

   "Version":"2012-10-17",

   "Statement":[

      {

         "Effect":"Allow",

         "Action":[

            "s3:GetBucketLocation",

            "s3:GetObject",

            "s3:ListBucket"

         ],

         "Resource":[

            "arn:aws:s3:::migrationawsdemo",

            "arn:aws:s3:::migrationawsdemo/\*"

         ]

      },

      {

         "Effect":"Allow",

         "Action":[

            "ec2:ModifySnapshotAttribute",

            "ec2:CopySnapshot",

            "ec2:RegisterImage",

            "ec2:Describe\*"

         ],

         "Resource":"\*"

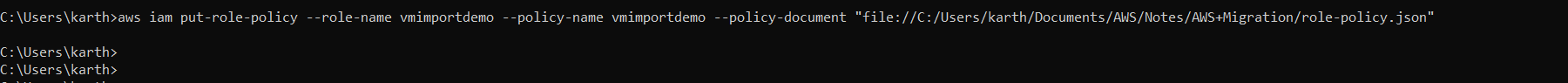
      }

   ]

}

1. Use the following put-role-policy command to attach the policy to the role created above.

*aws iam put-role-policy --role-name vmimport --policy-name vmimport --policy-document "file://C:/Users/karth/Documents/AWS/Notes/AWS+Migration/role-policy.json"*



1. Create a file named containers.json.



[

  {

    "Description": "Windows 7 ova",

    "Format": "ova",

    "UserBucket": {

        "S3Bucket": "awsdemoomigration",

        "S3Key": "Windows7.ova"

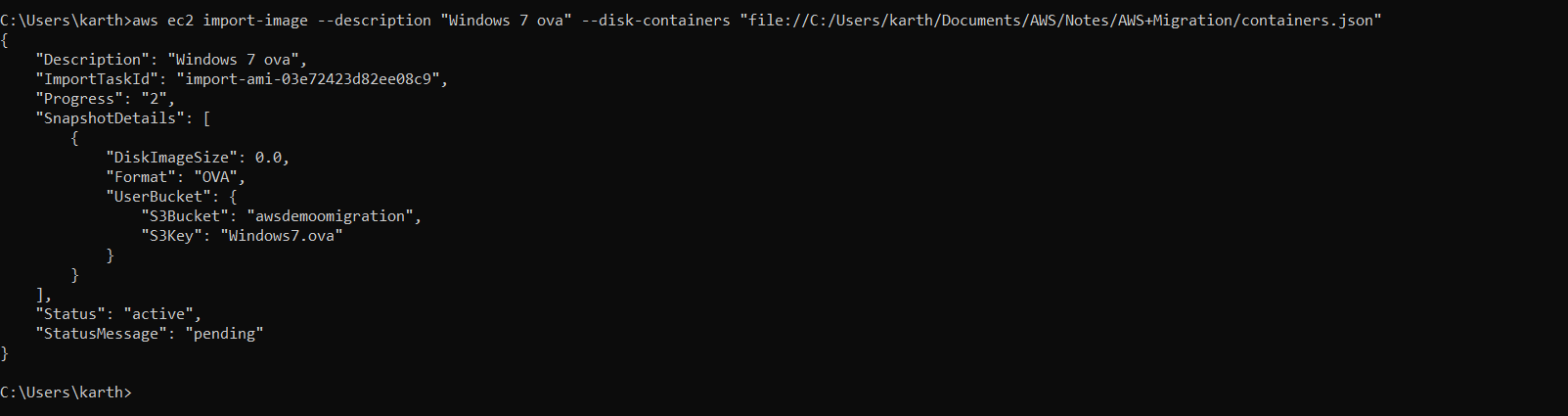
    }

}]

1. Import the OVA image. Refer the below URL, from **Import the VM**

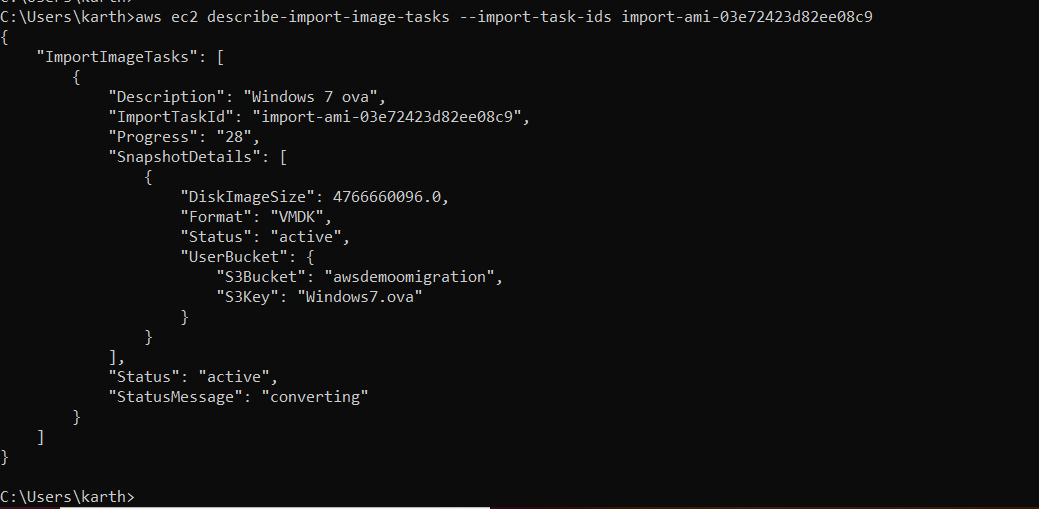
<https://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html>

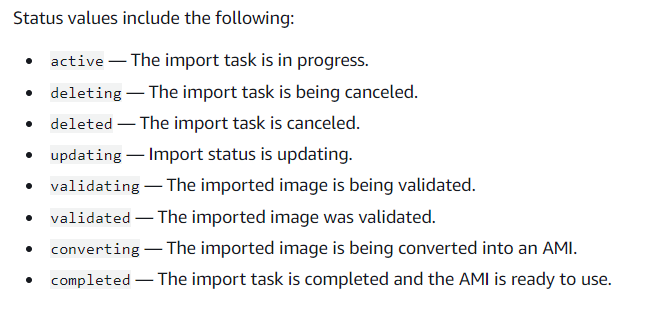
*aws ec2 import-image --description "Windows 7 ova" --disk-containers "file://C:/Users/karth/Documents/AWS/Notes/AWS+Migration/containers.json"*



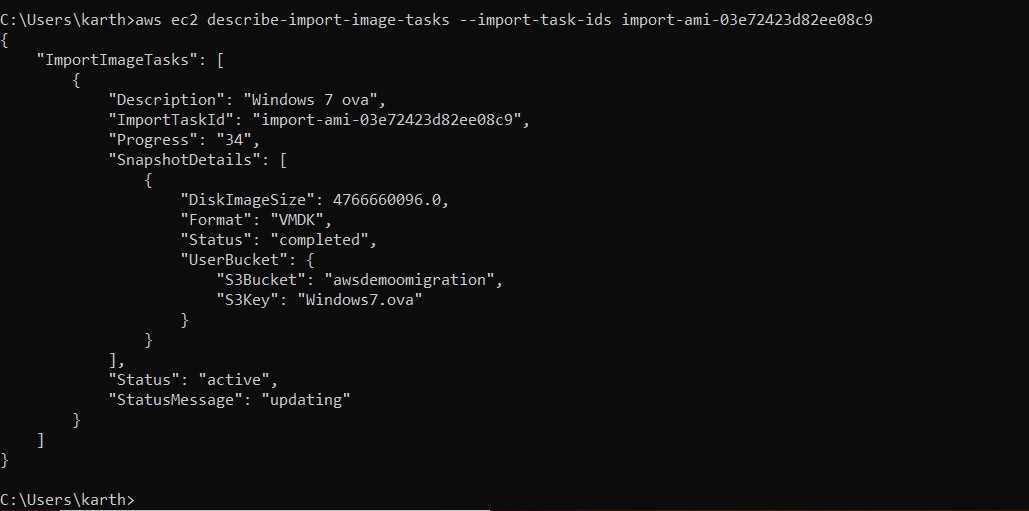
1. Once the Import-Image is done, check the status using the below command,

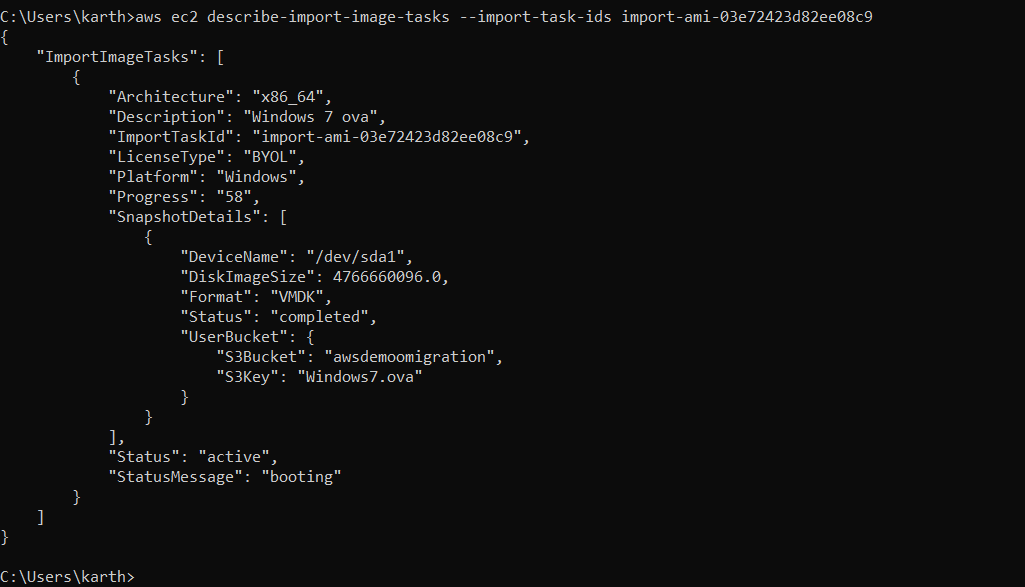
*aws ec2 describe-import-image-tasks --import-task-ids import-ami-03e72423d82ee08c9*



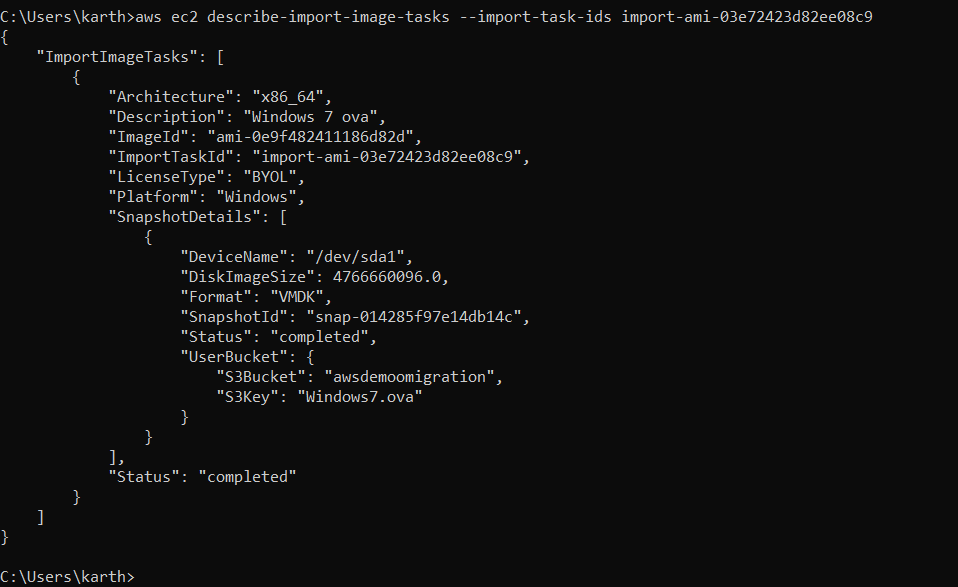


1. Different status will be updating, like the below screenshots,





1. Finally Completed, Then go check the AMI under the EC2, new AMI will be available.



**Use the Below AMI and Create a Cloud Premises EC2 instance.**

