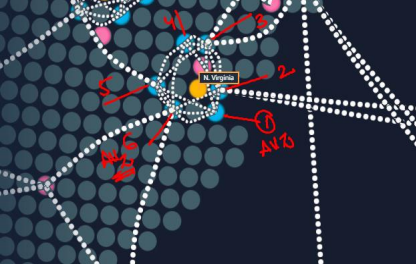
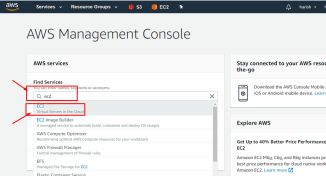
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**1.Availability Zones**

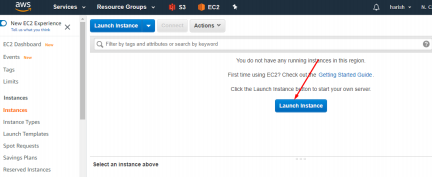
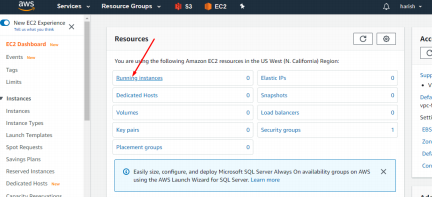
https://www.infrastructure.aws/https://www.infrastructure.aws/



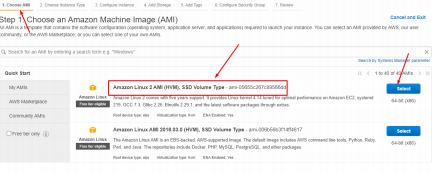
**2. Working with EC2**

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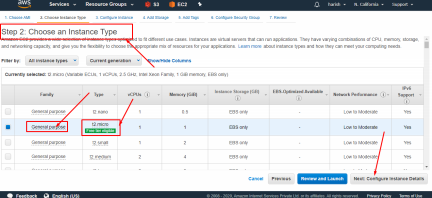
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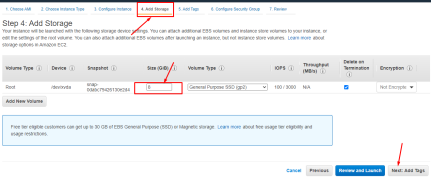
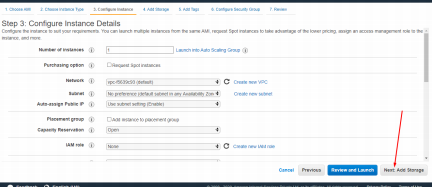
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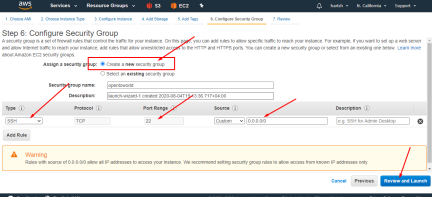
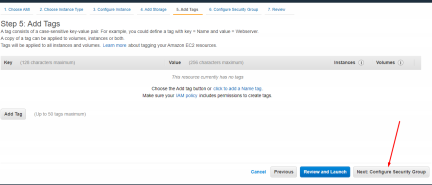
**Types of EC2 hardware :**

****

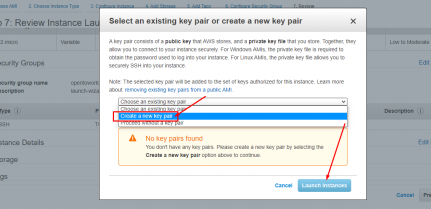
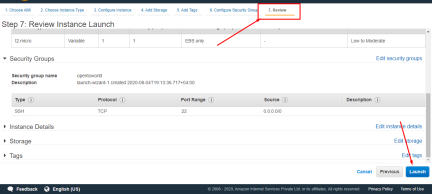
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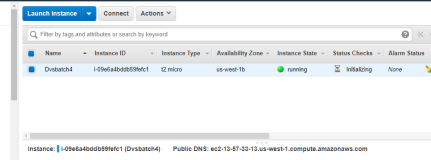
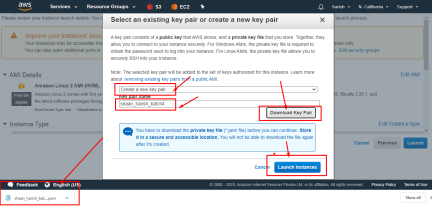
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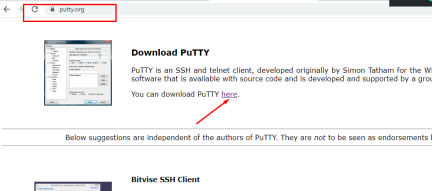
**3. Logging in to EC2**

**Download below packages from putty.org 1. Putty**

**2. Puttygen**

**3. Pageant**

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**4. Accidental termination ec2: How to avoid accidental termination of ec2**

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**Changing the termination protection:**

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**5. BootStrap -- UserData**

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Enable httpd port at security group level



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**USERDATA:**

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**Verification:**

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**6. Working with EBS**

****

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**From Console:**

****

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**Increasing Volume Size:**

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**7. Attaching EBS from one ec2 to other**

**1. Make sure that you are creating one server called SERVER1**

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**Let's write some data to the disk:**

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**Make sure that you are creating SERVER2**

**Note: Create the server in same AVZ as of SERVER1 check the below picture**

****

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**8. Migrating EBS across AVZ's**

**1. Make sure that you are creating one EC2 server with name "SERVER1"**

****

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**DVS Technologies Aws & Devops 2. Verifying disk details**

**3.Make sure that you are having EBS volume of 5GB and attach it to the SERVER1**

****

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**4. Post attaching disk Verify the disk details in the SERVER1 **

**5. Writing some data to the disk**

****

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**6. Let's create our SERVER2 in other AVZ**

****

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**7. Umount the ebs from SERVER1 and from console 8. Take snapshot**

****

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**DVS Technologies Aws & Devops 9. Attach the volume**

****

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**DVS Technologies Aws & Devops 10. Login to the server2**

**9. Migrating EBS across Regions**

**Importing my old pub key to new region**

****

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**NOTE: "ASSUMING WE HAVE A SNAPSHOT IN N.California and we are trying to migrate the snapshot to N.Virginia location:"**

**Create a server called "server2-Nvirg"**

****

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**10. Metadata**

****

**11. Working with AMI's**

**1. Make sure that you are creating one ec2 server and name it as base server**

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**VERIFICATION:**

**Creating Image from the EC2:**

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**Launching Instance from custom image:**

****

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**12. Migrating AMI from one region to other**

**1. Assuming that we already have customized image in N.Viriginia region I am planning to migrate the image to N.California & try to spin up the server from this customized image**

**Source --> N.Virginia**

**Dest --> N.California**

****

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**Launching Instance from Customized Image:**

****

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**13. Working with Elastic Ipaddress**

**Create one ec2 server & observer its public and private ipaddress**

****

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**Stop ec2 & check public ipaddress:**

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