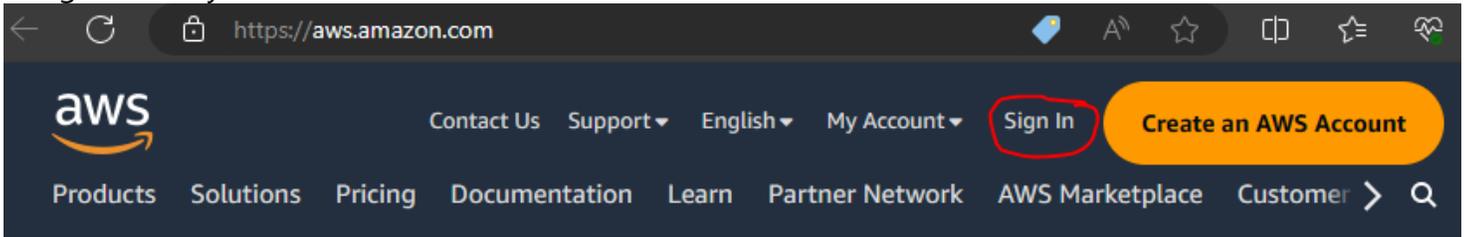
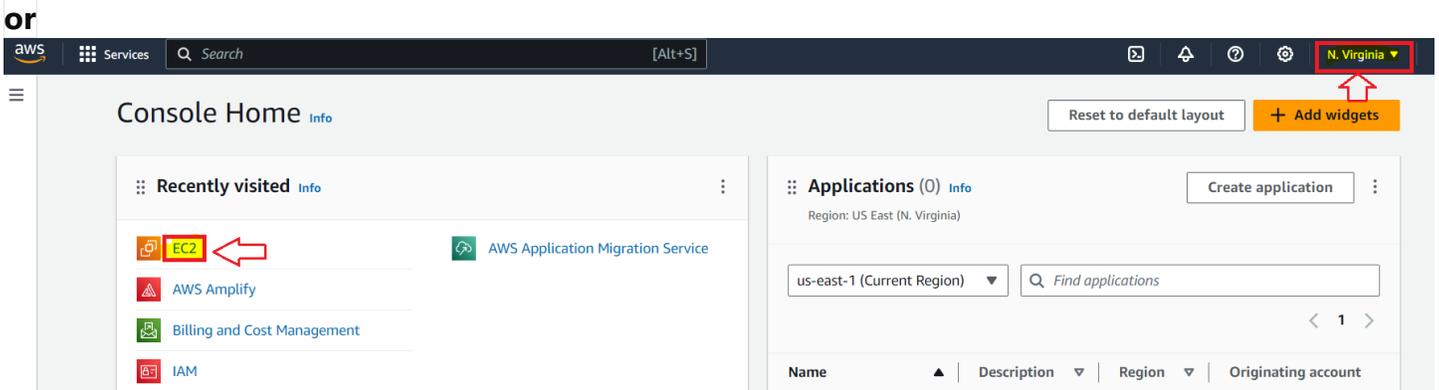
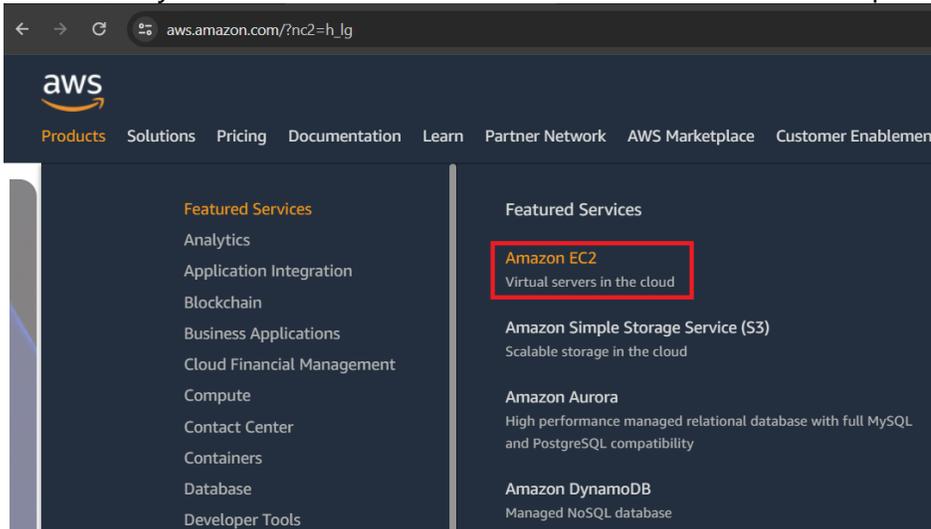


Creating Virtual Machines with Amazon EC2 in AWS _ ocTony

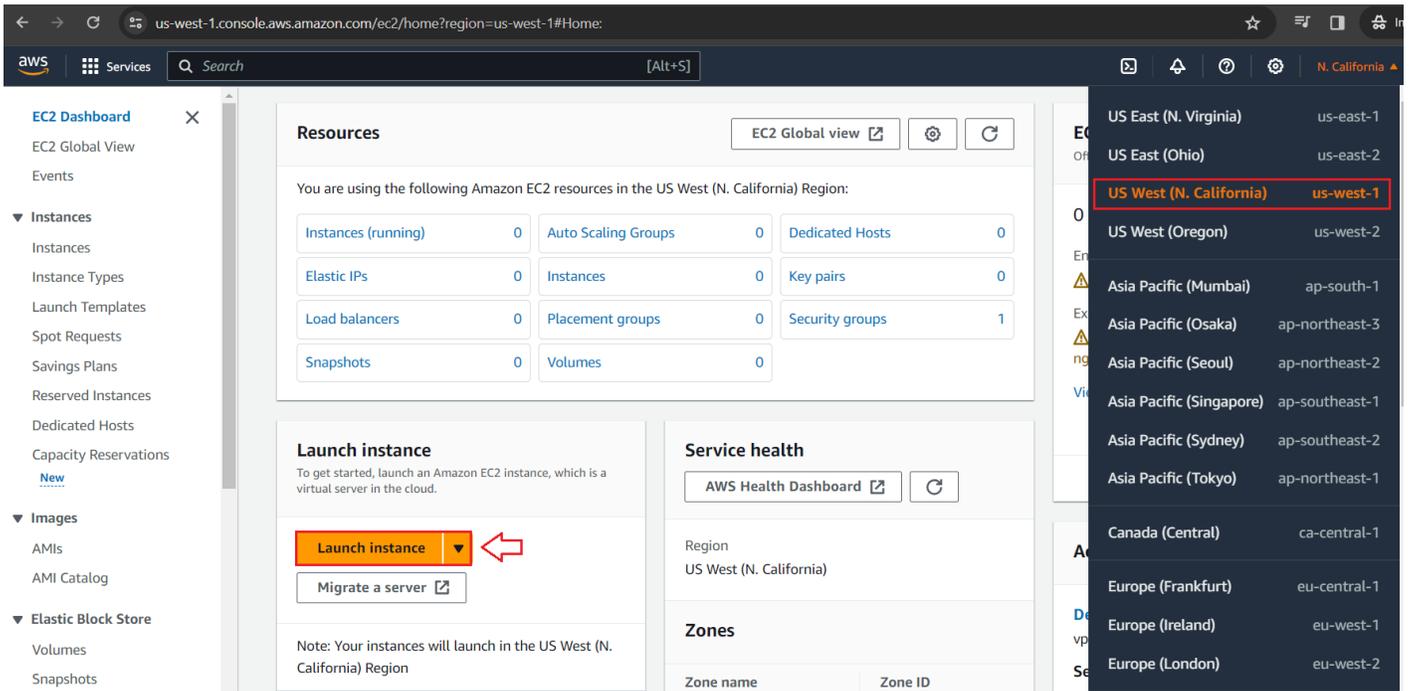
1. **Sign in to the AWS Management Console:** Go to the AWS Management Console at <https://aws.amazon.com/console/> & sign in with your **AWS account** credentials.



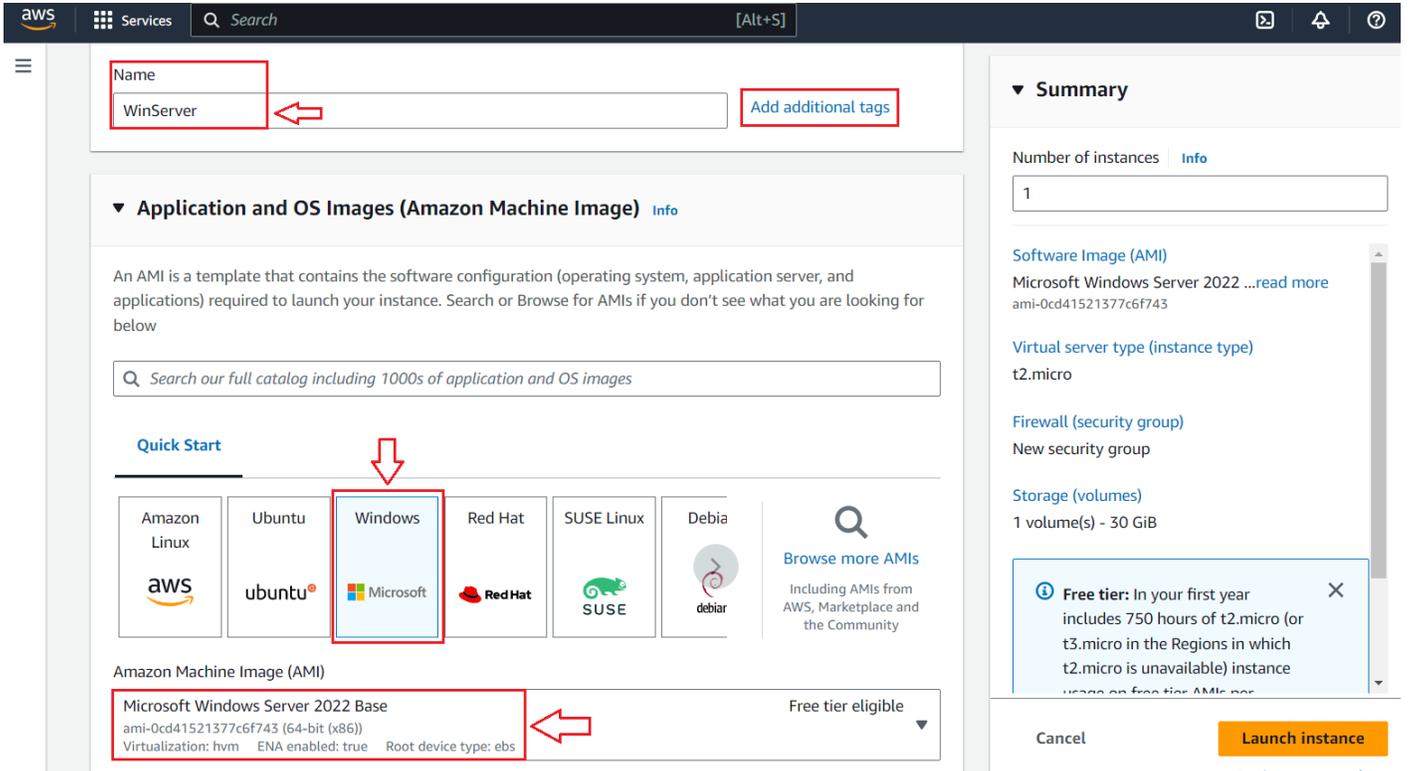
2. **Navigate to EC2:** Once signed in, navigate to the EC2 service. You can find it under the "Compute" section, or you can search for "EC2" in the search bar at the top of the console.



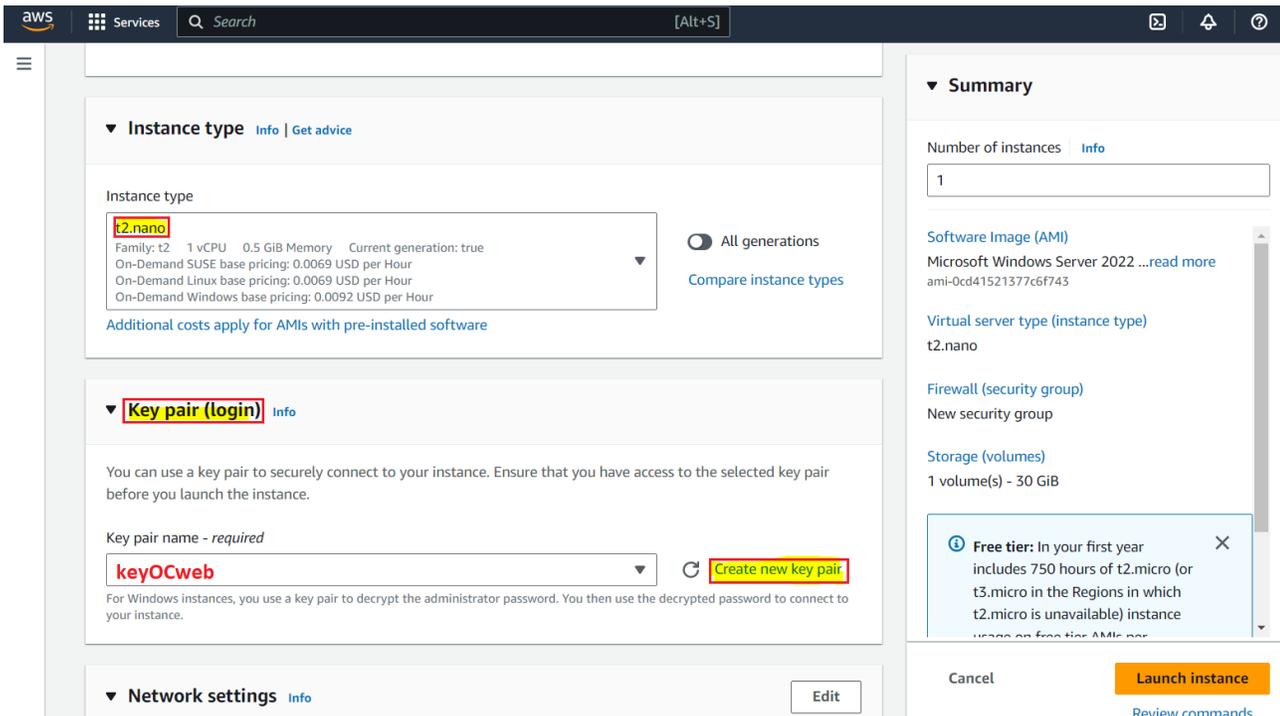
3. **Launch an instance:** Click on the "Launch Instance" button to start the process of launching a new EC2 instance.



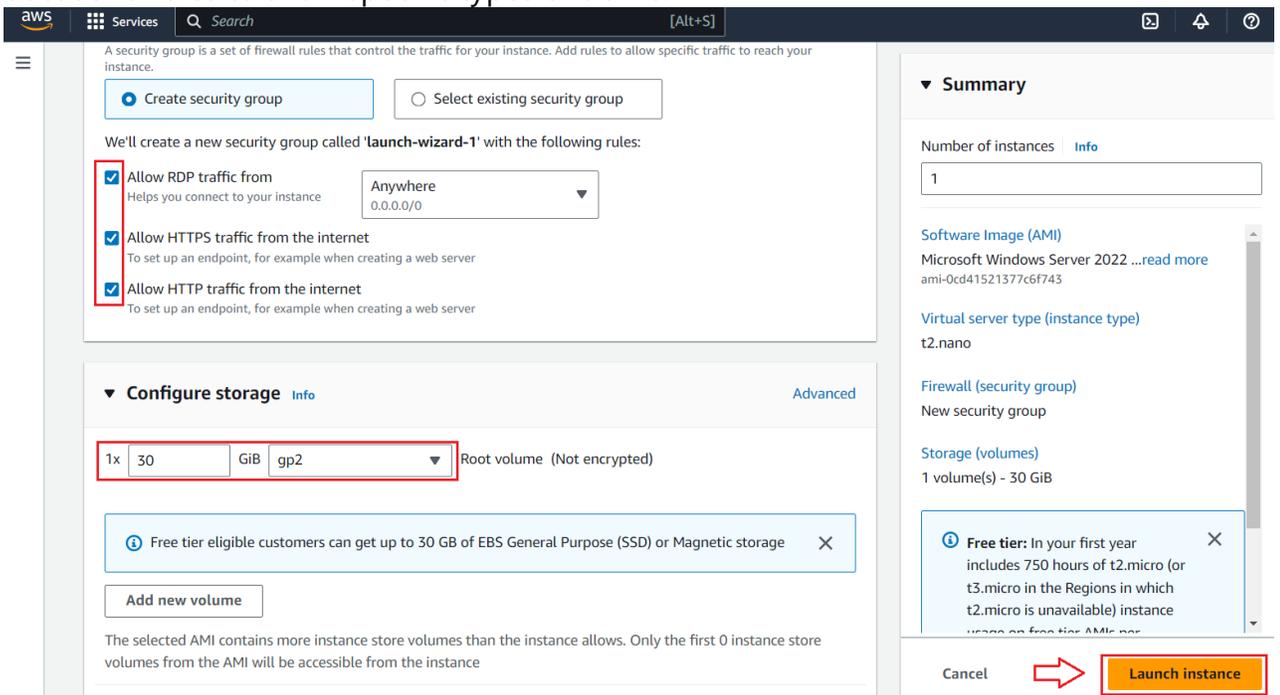
4. **Choose an Amazon Machine Image (AMI):** Select the AMI that you want to use for your instance. An AMI is a pre-configured template that contains the operating system, software, and settings for the instance.



5. **Choose an instance type:** Select the instance type based on your workload requirements. AWS provides various instance types with different configurations of CPU, memory, and storage.



6. **Configure instance details:** Configure additional settings such as the number of instances you want to launch, network settings (VPC, subnet, IP addressing), IAM role (if required), and other advanced options.
7. **Add storage:** Configure the storage settings for your instance. You can add and configure additional EBS volumes if needed, specify the size and type of the root volume, and configure any additional storage-related settings.
8. **Configure security group:** Configure the security group for your instance. A security group acts as a virtual firewall that controls the traffic to and from your instance. You can define inbound and outbound rules to allow specific types of traffic.



9. **Review and launch:** Review all the settings you've configured for your instance and make sure everything is correct. Once you're satisfied, click on the "Launch" button to start the instance.

10. **Select a key pair:** If you haven't already created a key pair, you'll be prompted to create one. A key pair is used to securely connect to your instance via SSH for Linux instances or RDP for Windows instances.
11. **Launch instance:** After selecting the key pair, click on the "Launch Instances" button to launch your EC2 instance.
12. **Access your instance:** Once the instance is launched, you can access it using **SSH** (for Linux instances) or **RDP** (for Windows instances) using the public IP address or DNS name provided in the EC2 dashboard.

