To Host Virtual Machine on Amazon Web Service

Abstract:

In this project we host a virtual system using Amazon's AWS. Amazon web service provides a wide variety virtual machines like Red Hat, Windows, Ubuntu to be hosted on AWS, AWS provides us a space 30 GB space on it's cloud to host a virtual machine. In this mini project we have hosted a windows system on AWS.

Introduction:

The AWS provides us a space of 30 GB on which we have hosted the windows system.
This is an in built feature of the AWS which allows us to host a standard virtual machine like Ubuntu or Windows to be hosted on it's cloud service. The AWS creates a long and unique password on it's own which is only available to user so it provides a top class security.
It contains all the default feature of the windows system. It uses the internet of our computer. It is virtual system hosted on internet. Unlike the Virtual Machine which is installed on our system which allows us to work on one system at a time. Here we can work on both ' system at the same time for example:- We are operating on a Ubuntu System and we need to send a document in docs format then we don't need to switch the system we can just log on to the system which we have hosted on AWS and use MS word to accomplish our task.
Whatever we do on the virtual machine is saved until we keep the instances running.

Moreover Windows 10 on amazon gets its own IP address By installing proxy chains software which will connect to different proxy servers and will bounce through multiple ip. This will provide secured layers which will be very difficult to traceback and even after tracing back ip it will get amazon's server ip address Installing tor browser/service on windows 10 at amazon will provide additional security onion service which will be impossible to traceback if both used together

If user wants additional security that will make impossible to detect user's ip address he can also install proxy chain service at his own computer

Implementation

Steps of Implementation

Step 1:- Create an account on amazon and log in to it.

Step 2:- Then Go to AWS Management Console and select EC2 as a service.

Step 3:- Then click on launch instance and launch any instance of a virtual machine.

Step 4:- Keep all the default setting given by amazon and launch your instance.

Step 5:- Choose a new pair of key, then name them and download those on your system.

Step 6:- Click on view instances and wait for some time for the instance to get initialized.

Step 7:- Right click on the running instance and select get windows password.

Step 8:- Load the key file downloaded earlier and click on decrypt the password.

Step 9:- Copy your password and then right click on instance and click connect.

Step 10:- Download the remote desktop file.

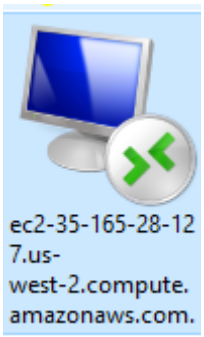
Step 11:- Double click on the file & then paste your password to get access to the system.

Step 12:- Once the System is no more needed click stop instance.

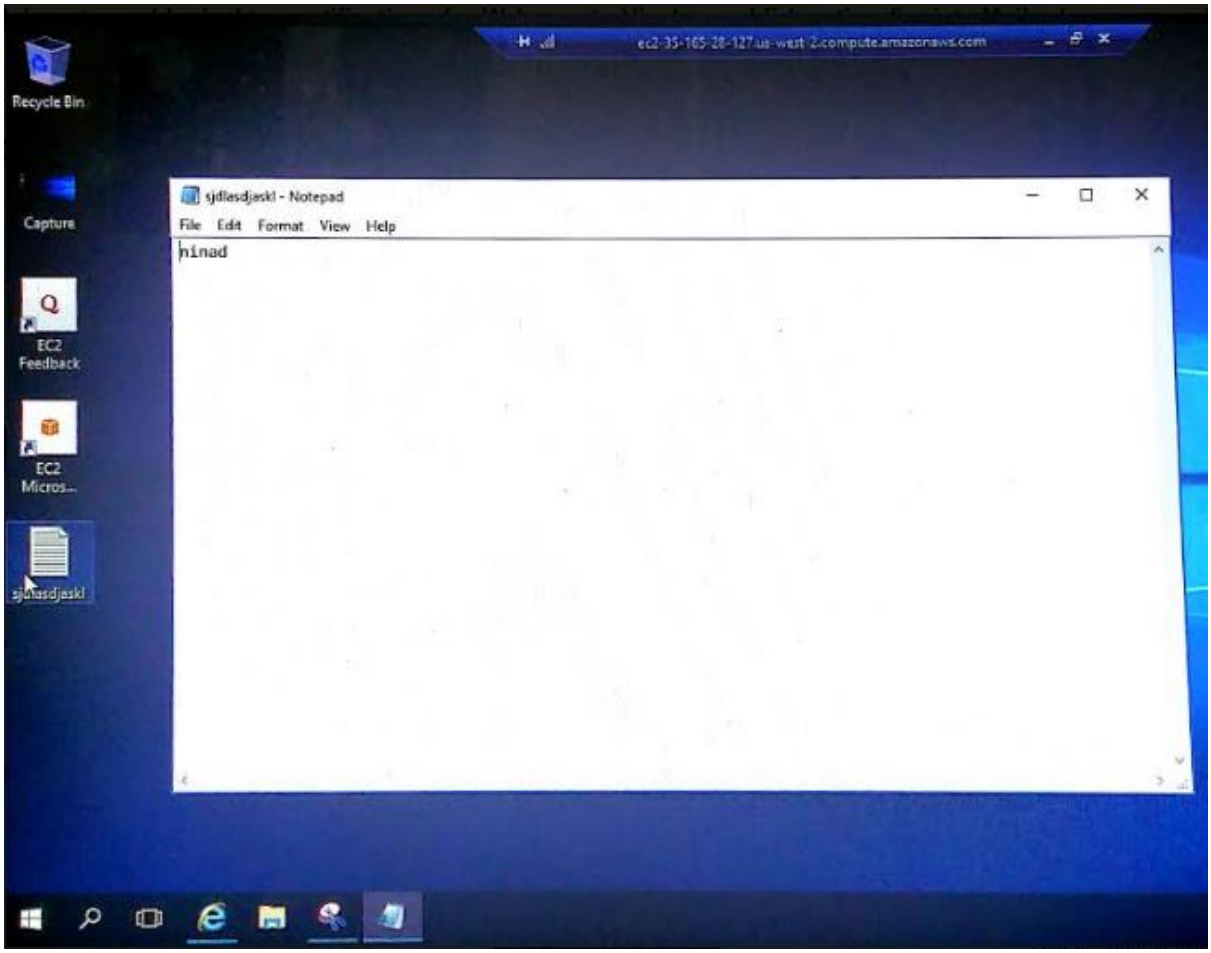
Result:

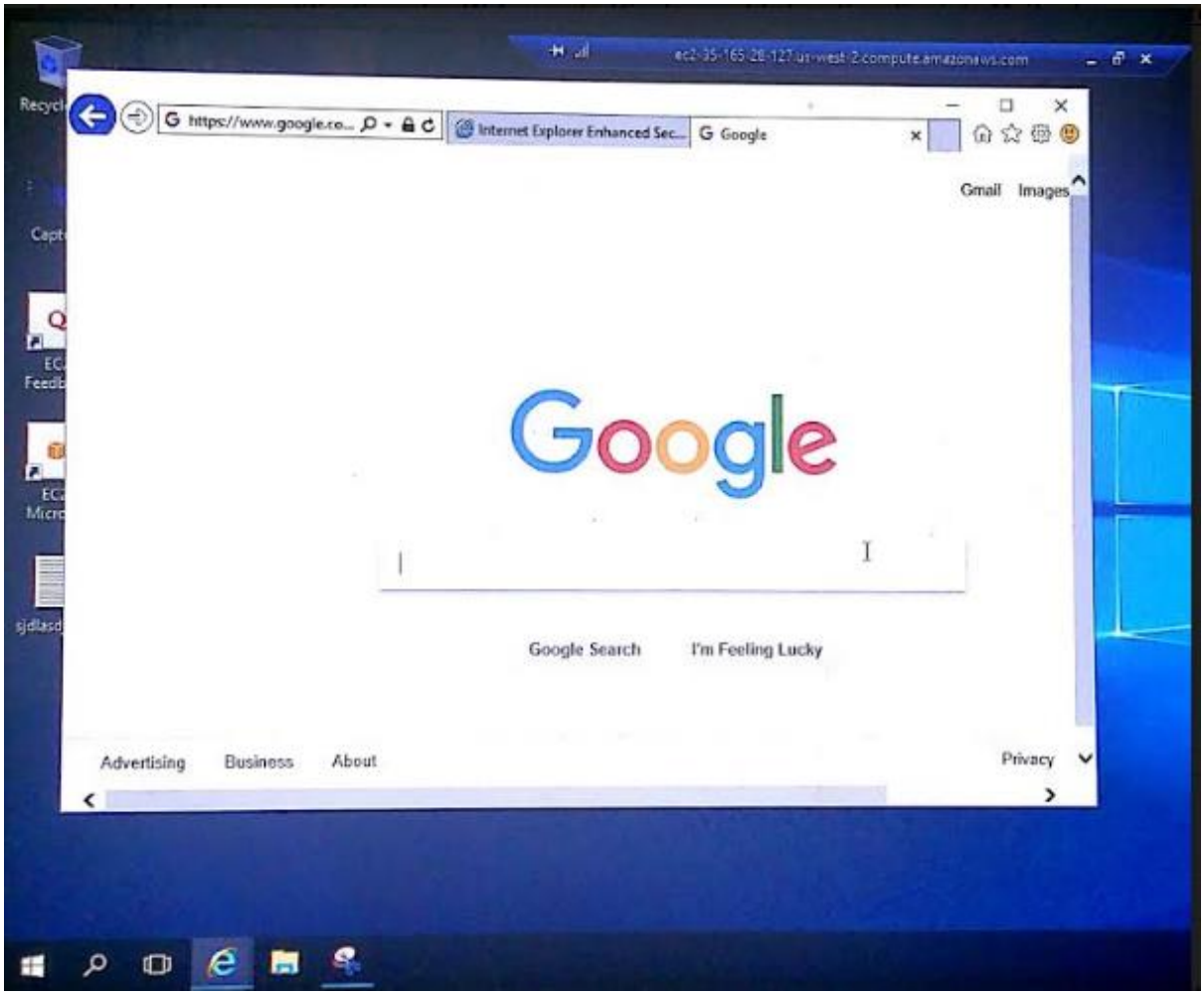
Below is the remote desktop file which is the output of the above steps.

Remote Desktop File



Output:


ec2-35-165-28-127.us-west-2.compute.amazonaws.com
Recycle Bin
Capture
EC2 Feedback
EC2 Micros...
sjdlasdjaskl
sjdlasdjaskl - Notepad
File Edit Format View Help
hinad



Conclusion:

Hence we have implemented a virtual machine on AWS.

References:

www.google.com

www.youtube.com

www.wikipedia.com