Sri Lanka Institute of Information Technology

Enterprise standards and best practices for IT infrastructure

Practical 1

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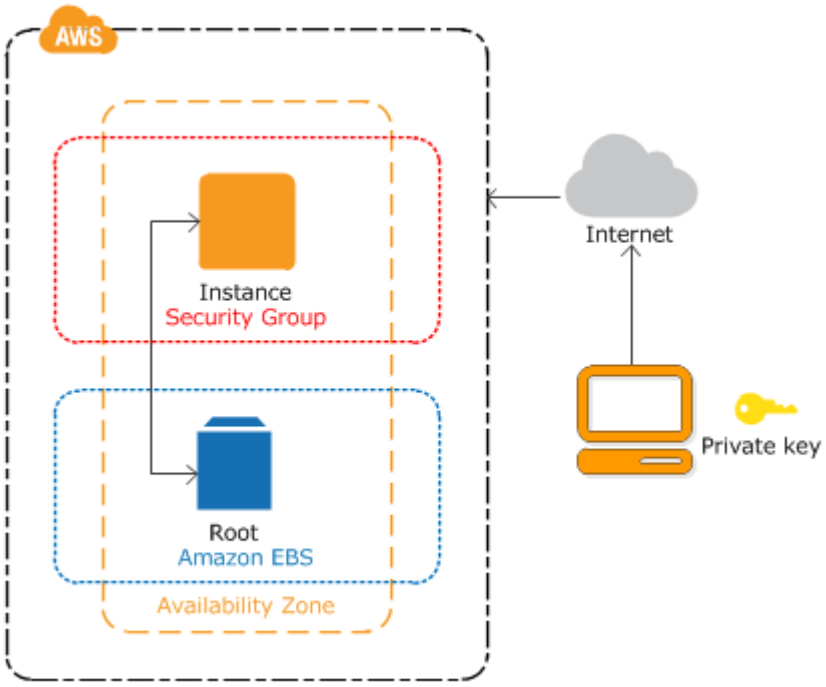
Introduction

An instance is a virtual server in the AWS cloud. With Amazon EC2, can set up and configure the operating system and applications that run on an instance.

The instance is an Amazon EBS-backed instance (meaning that the root volume is an EBS volume). You can either specify the Availability Zone in which your instance runs, or let Amazon EC2 select an Availability Zone for you. When you launch your instance, you secure it by specifying a key pair and security group. When you connect to your instance, you must specify the private key of the key pair that you specified when launching your instance.



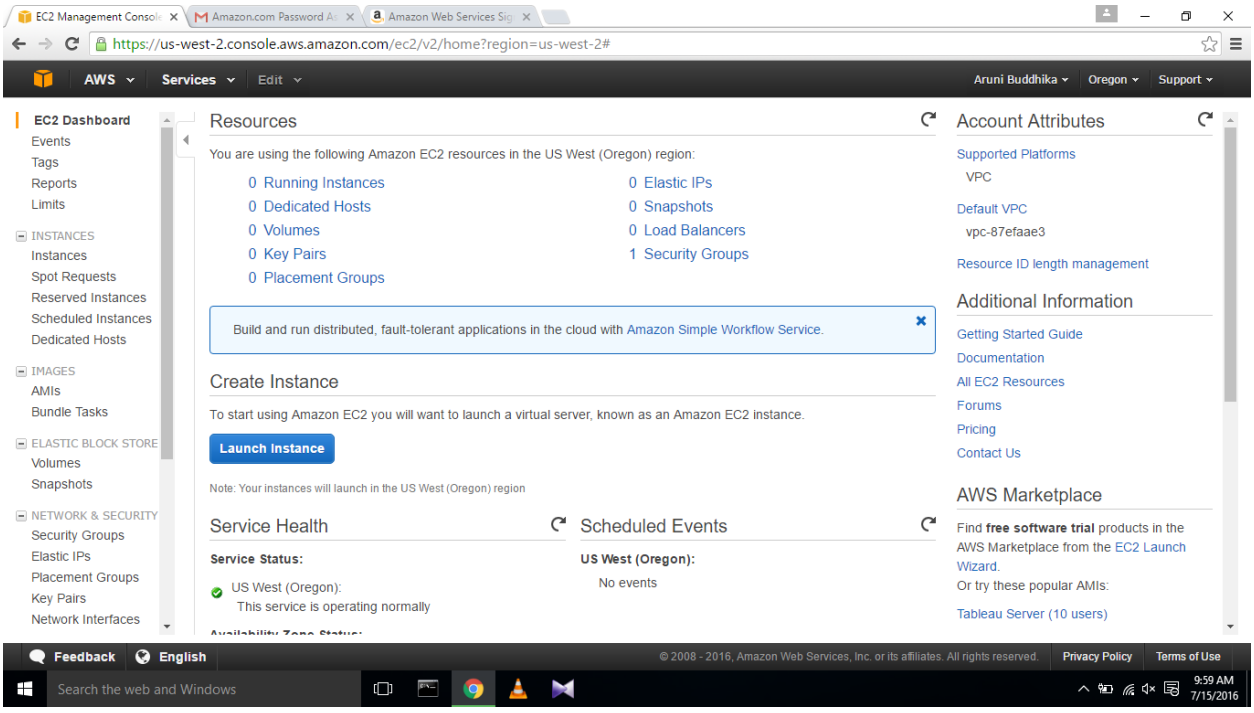
Practical 1

Create a windows instance

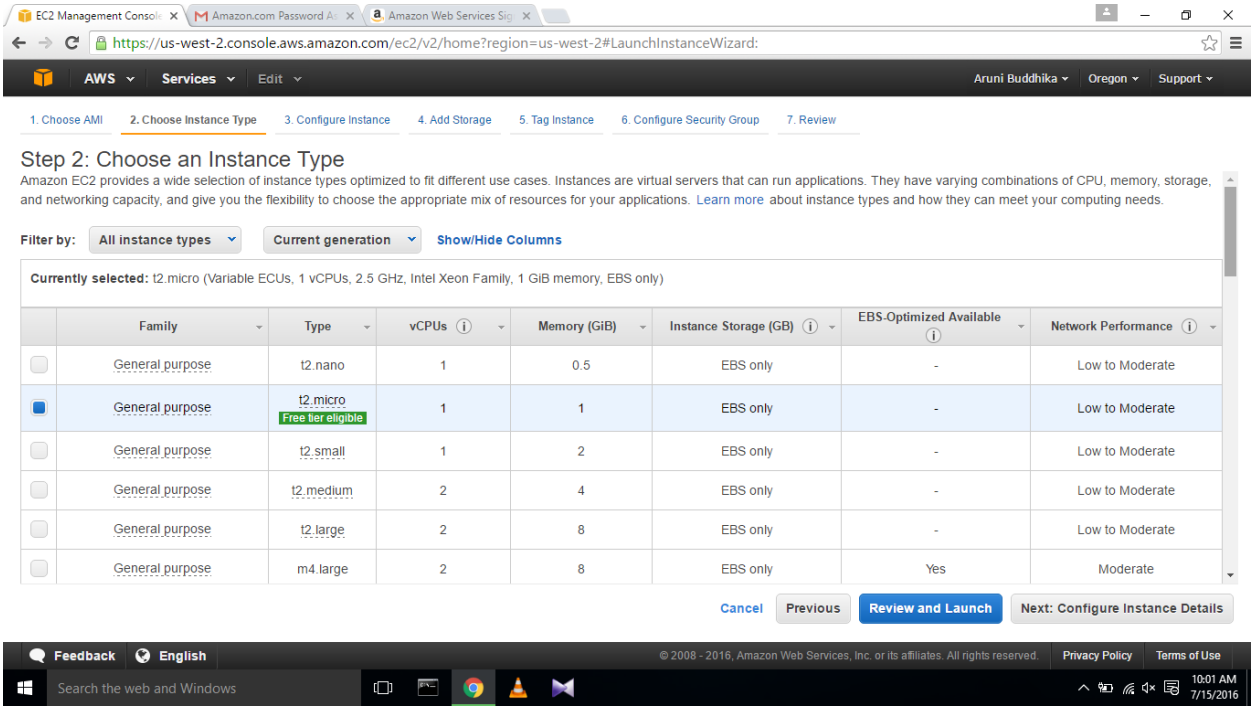
- ## Launch an instance

Open the Amazon EC2 console at https://console.aws.amazon.com/ec2/ and

From the console dashboard, choose **Launch Instance**.

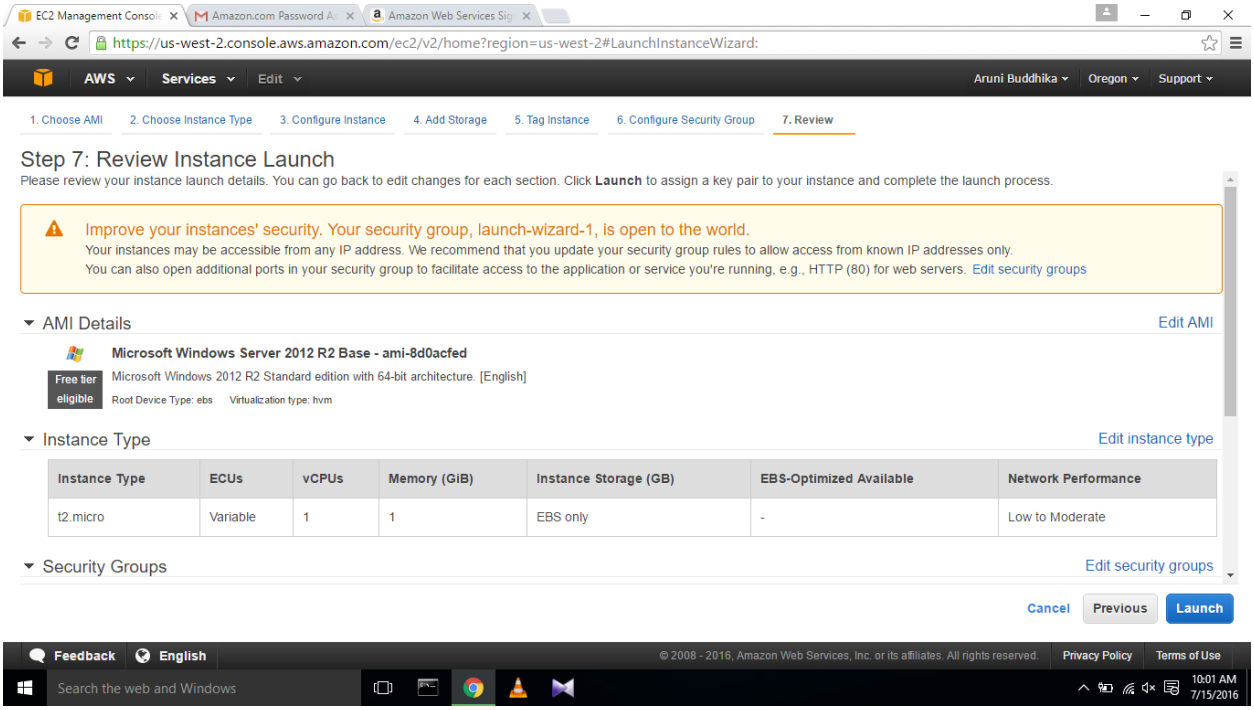


The **Choose an Amazon Machine Image (AMI)** page displays a list of basic configurations, called *Amazon Machine Images (AMIs)* that serve as templates for your instance. Select the AMI for Microsoft Windows Server 2012 R2 Base or Microsoft Windows Server 2008 R2 Base.

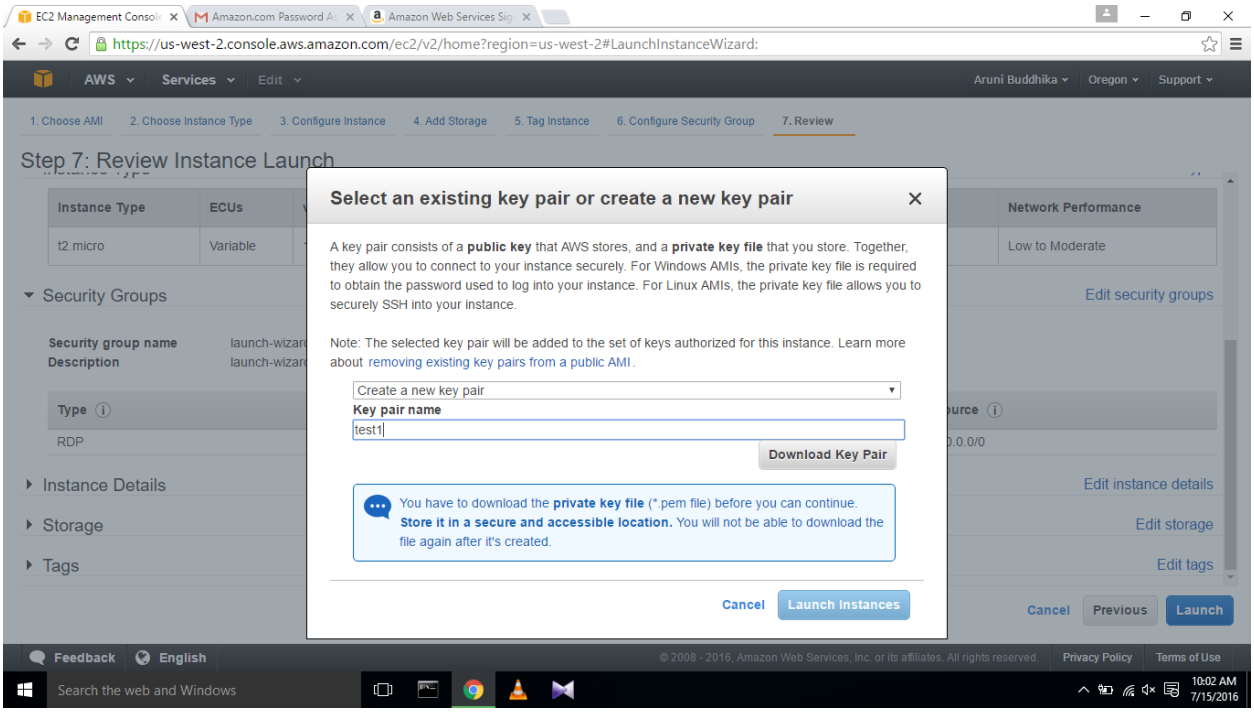


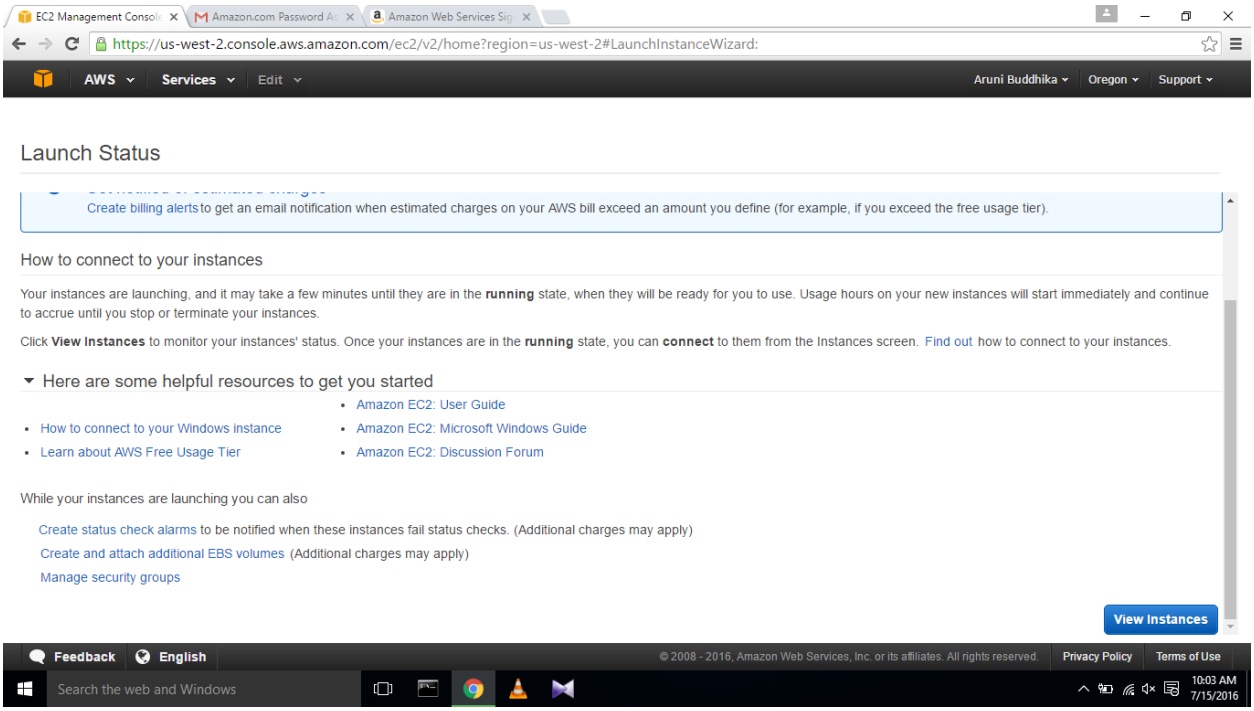
Choose **Review and Launch** to let the wizard complete the other configuration settings.

On the **Review Instance Launch** page, choose **Launch**.

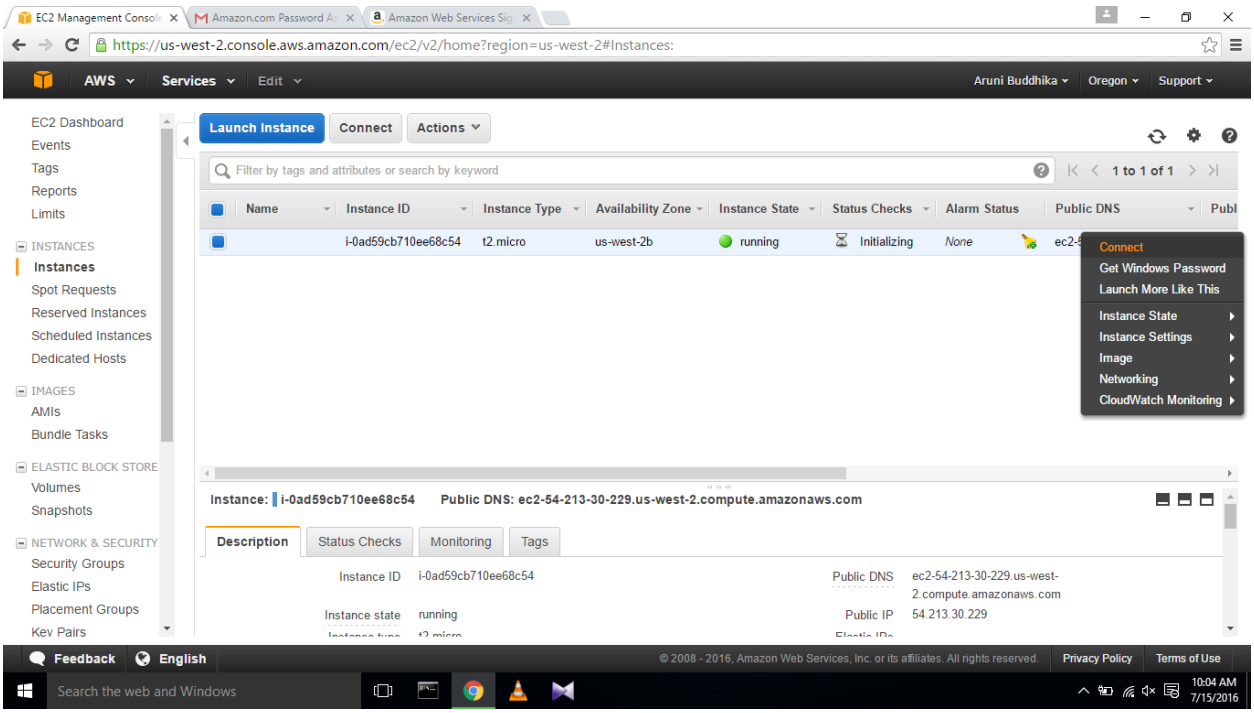


When prompted for a key pair, select **Create a new key pair**, then select the key pair that you created when getting set up. When you are ready, select the acknowledgement check box, and then choose **Launch Instances**.



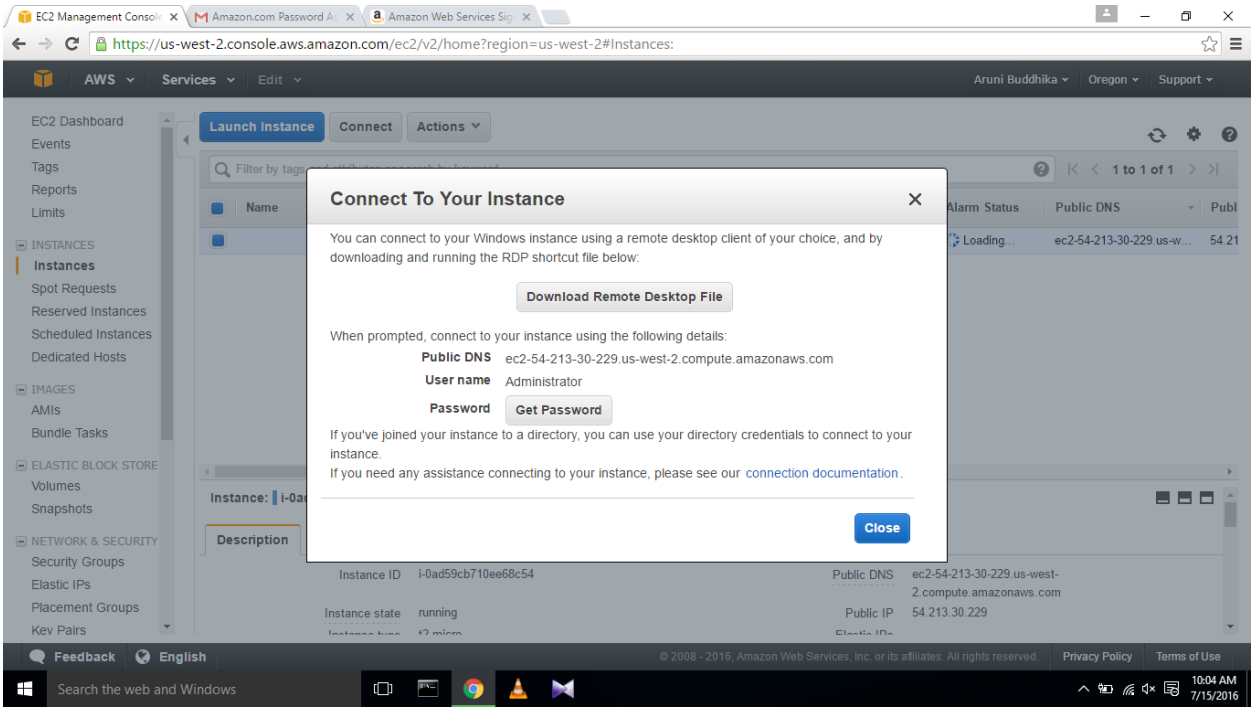


On the **Instances** screen, you can view the status of the launch. It takes a short time for an instance to launch. When you launch an instance, its initial state is pending. After the instance starts, its state changes to running and it receives a public DNS name.

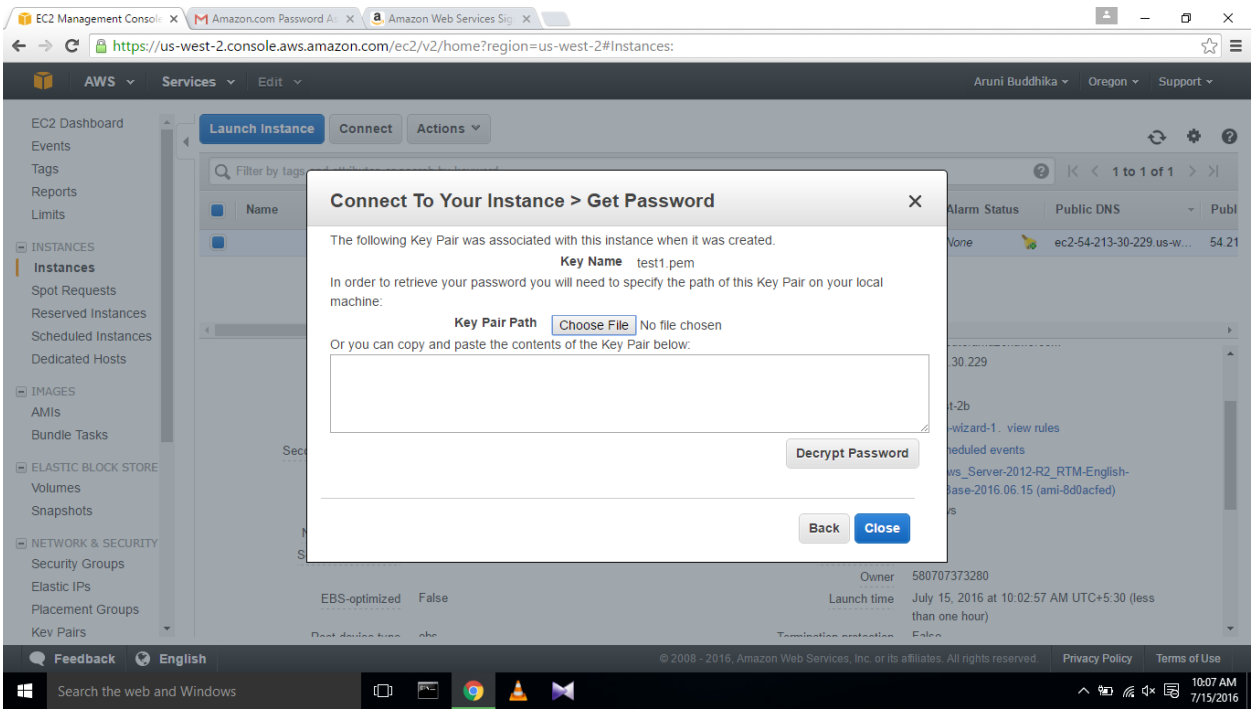


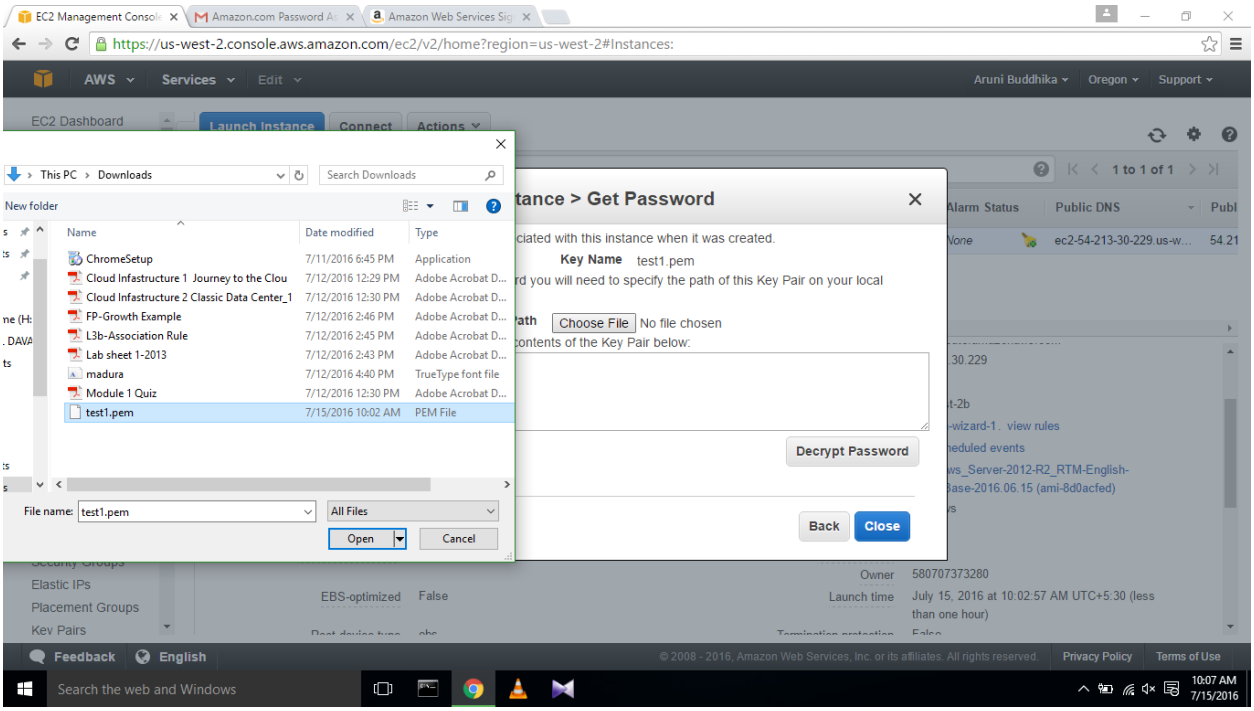
- **Connect the instance.**

In the **Connect to Your Instance** dialog box, choose **Get Password**

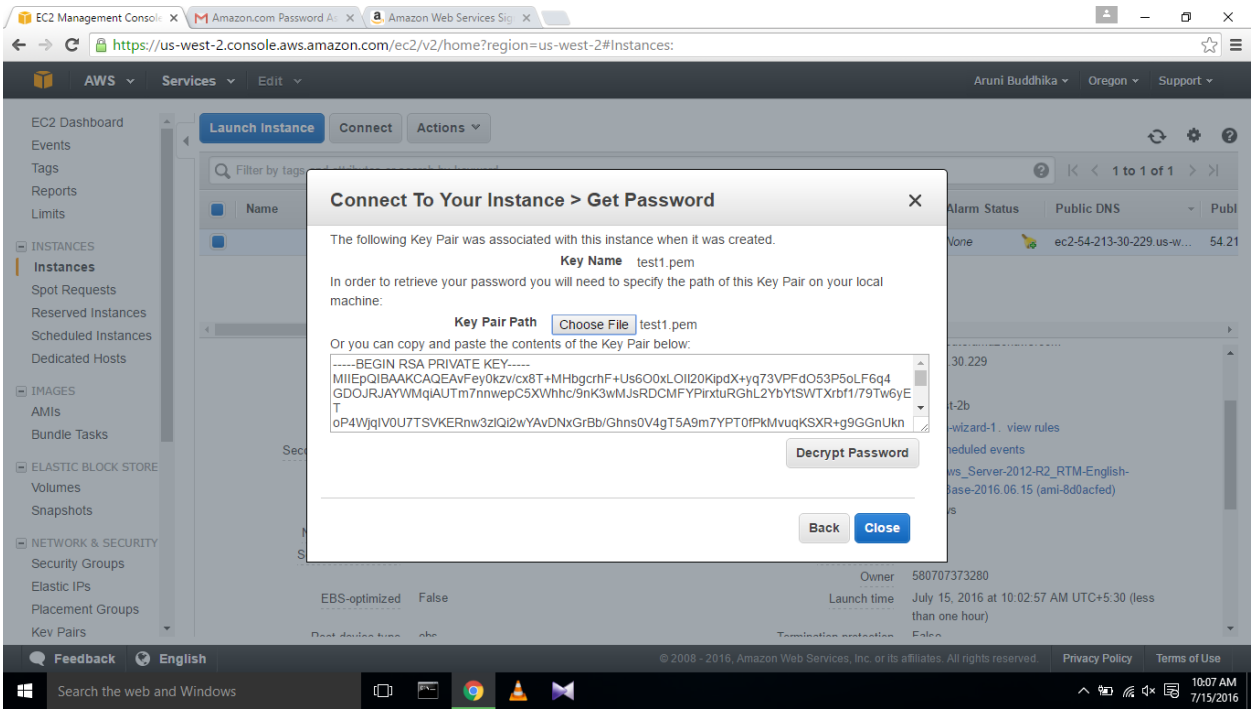


Choose **Browse** and navigate to the private key file you created when you launched the instance. Select the file and choose **Open** to copy the entire contents of the file into contents box.

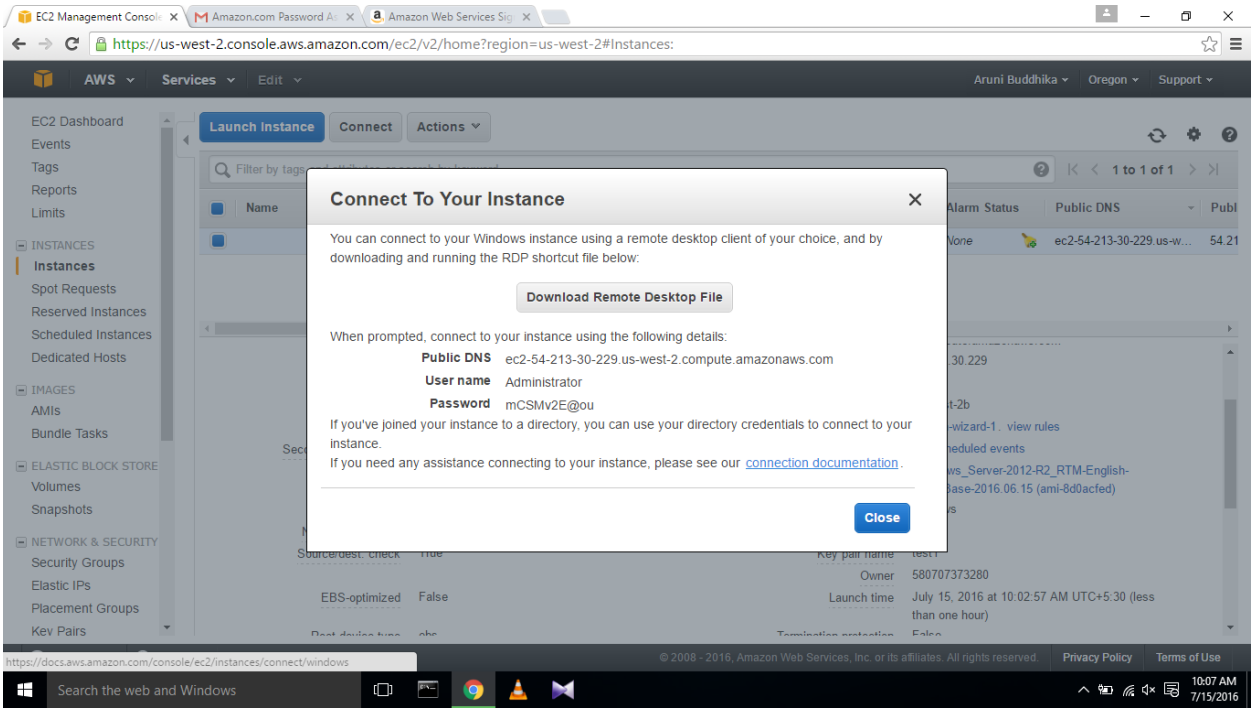




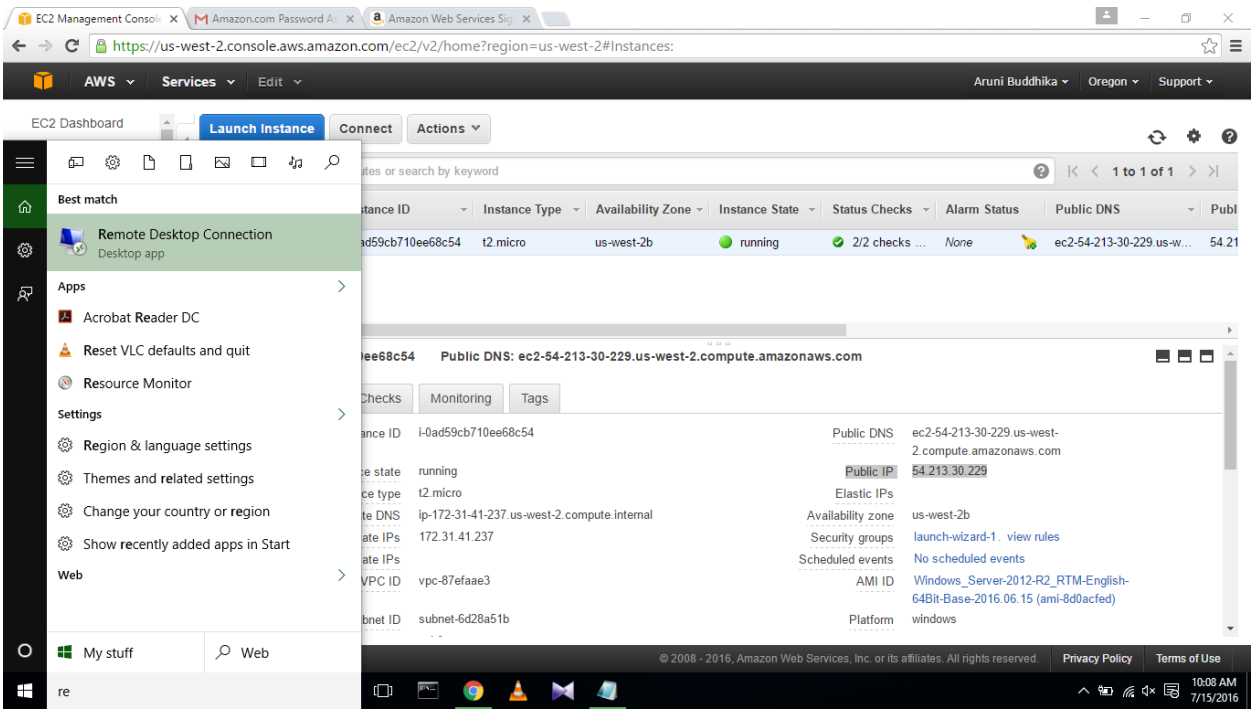
Choose **Decrypt Password**. The console displays the default administrator password for the instance in the **Connect to Your Instance** dialog box, replacing the link to **Get Password** shown previously with the actual password.



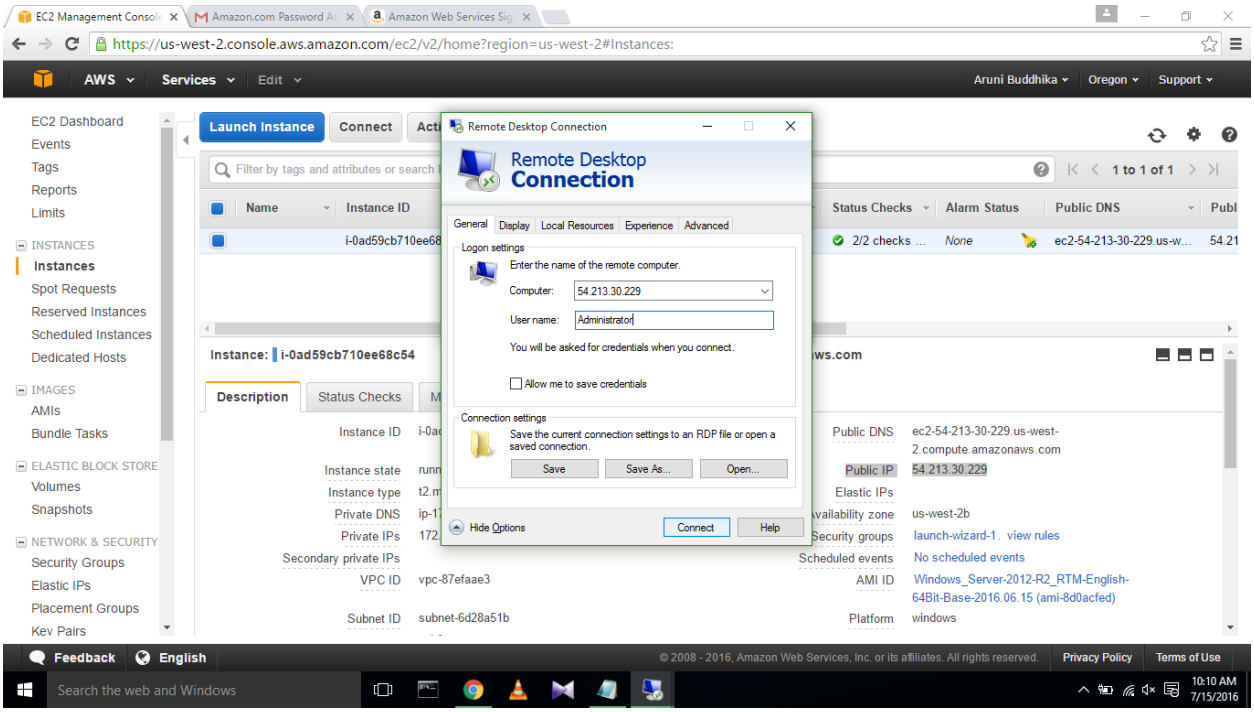
When you have finished, you can choose **Close** to dismiss the **Connect to Your Instance** dialog box.



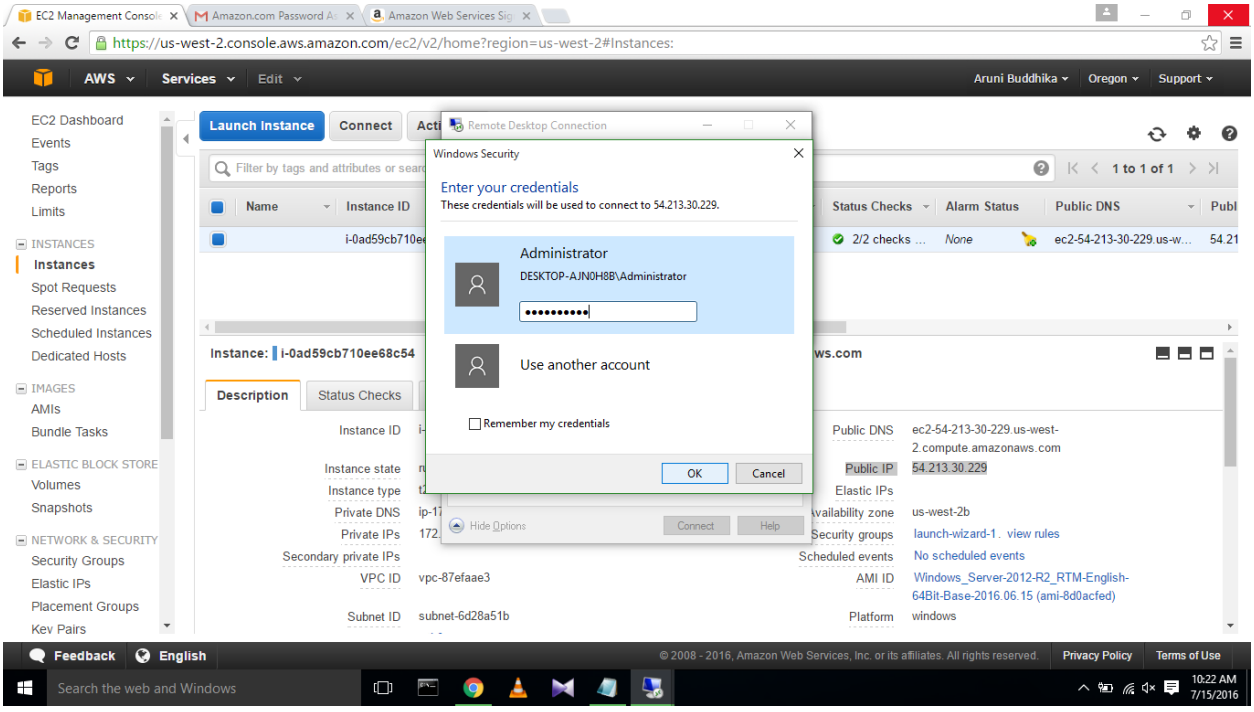
Open **Remote Desktop Connection**. And continue as following.

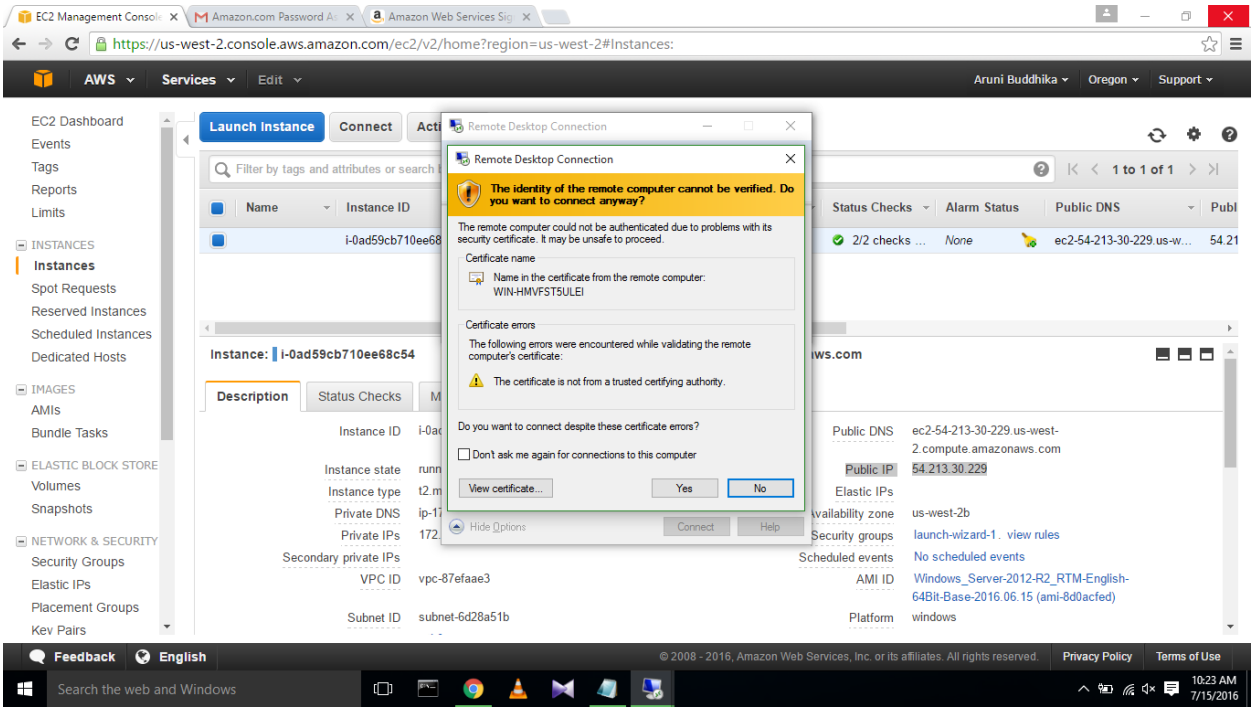


Enter the previously generated public ip address and user name in remote desktop connection dialog box and select connect.



Next prompt dialog box enter the password under administrator and click ok.




EC2 Management Console
Amazon.com Password A
Amazon Web Services Sig
https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#Instances:
AWS
Services
Edit
Aruni Buddhika
Oregon
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Launch Instance
Connect
Filter by tags and attributes or search
1 to 1 of 1
Name
Instance ID
Status Checks
Alarm Status
Public DNS
2/2 checks ...
None
ec2-54-213-30-229.us-w...
Instance: i-0ad59cb710ee68c54
Description
Status Checks
Instance ID
Instance state
Instance type
Private DNS
Private IPs
Secondary private IPs
VPC ID
vpc-87efaae3
Subnet ID
subnet-6d28a51b
Public DNS
ec2-54-213-30-229.us-west-2.compute.amazonaws.com
Public IP
54.213.30.229
Elastic IPs
Availability zone
us-west-2b
Security groups
launch-wizard-1. view rules
Scheduled events
No scheduled events
AMI ID
Windows_Server-2012-R2_RTM-English-64Bit-Base-2016.06.15 (ami-8d0acfed)
Platform
windows
Remote Desktop Connection
The identity of the remote computer cannot be verified. Do you want to connect anyway?
The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.
Certificate name
Name in the certificate from the remote computer:
WIN-HMVFST5ULEI
Certificate errors
The following errors were encountered while validating the remote computer's certificate:
The certificate is not from a trusted certifying authority.
Do you want to connect despite these certificate errors?
Don't ask me again for connections to this computer
View certificate...
Yes
No
Hide Options
Connect
Help
Feedback
English
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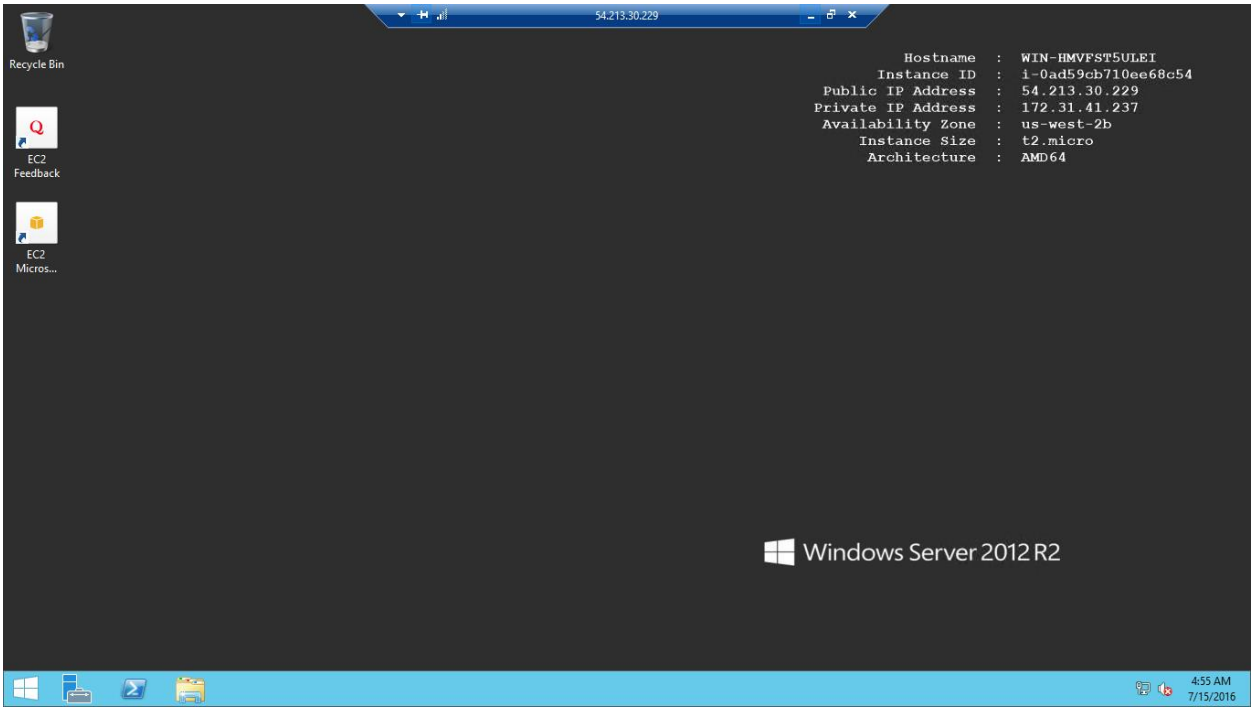
Privacy Policy
Terms of Use
Search the web and Windows
10:23 AM
7/15/2016


54.213.30.229
Recycle Bin
EC2 Feedback
EC2 Micros...
Hostname : WIN-HMVFST5ULEI
Instance ID : i-0ad59cb710ee68c54
Public IP Address : 54.213.30.229
Private IP Address : 172.31.41.237
Availability Zone : us-west-2b
Instance Size : t2.micro
Architecture : AMD64
Windows Server 2012 R2
4:55 AM
7/15/2016

- **References:**

http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/EC2_GetStarted.html