

ESBII

Assignment AWS

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IT13030018

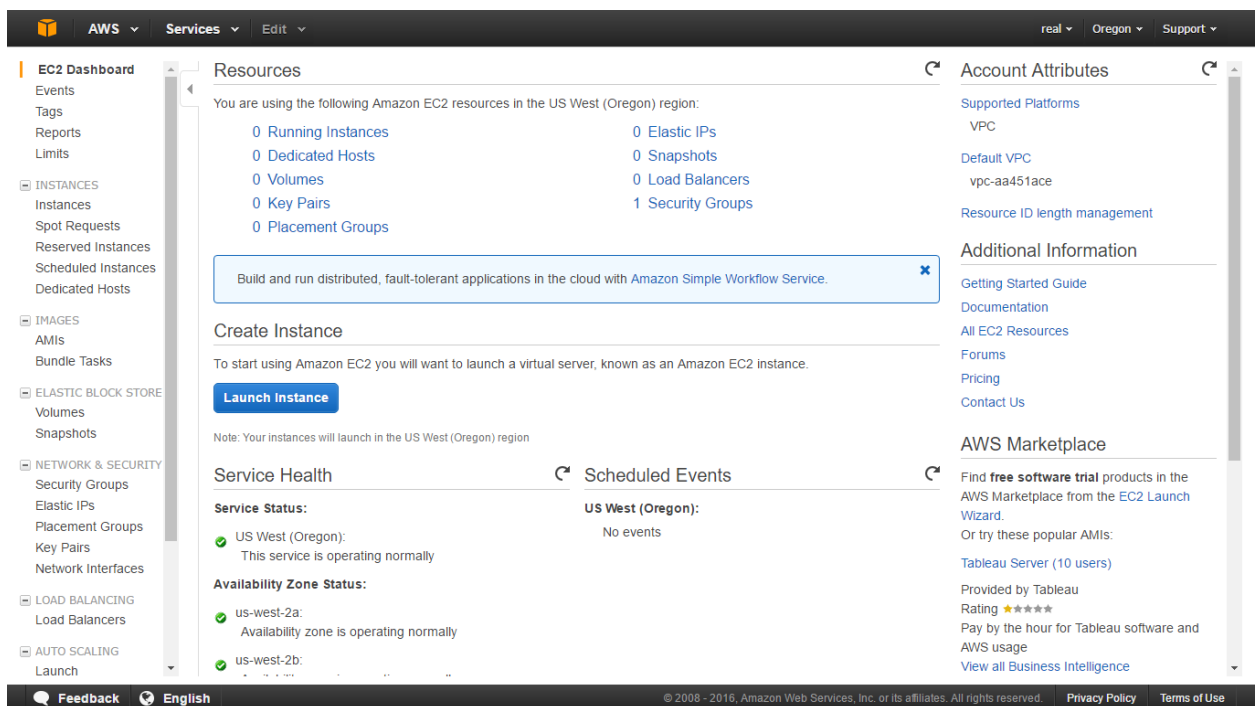
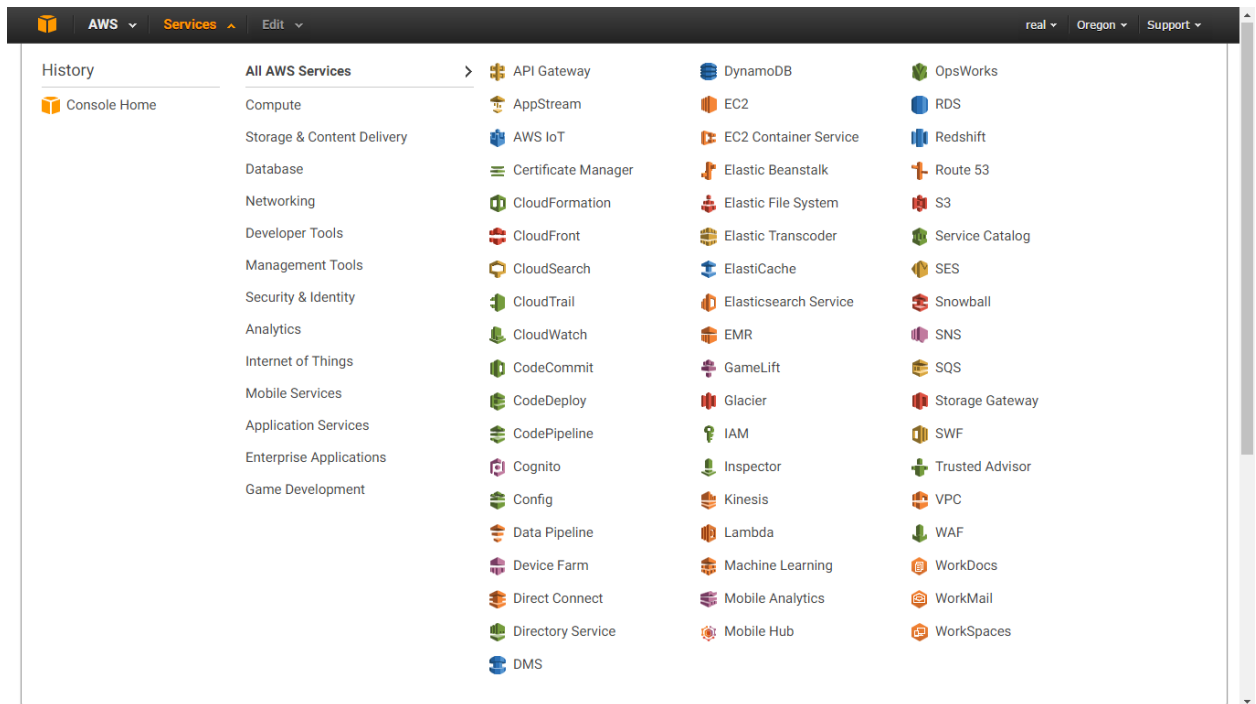
CSN'13

Sri Lanka Institute of Information
Technology

Create Windows 2012 instance in AWS:

- Logging to AWS console by using the like <https://aws.amazon.com>

The image shows two screenshots of the AWS website. The top screenshot is the AWS homepage, featuring a dark header with navigation links like 'Menu', 'Products', 'Solutions', 'Pricing', and 'More'. The main banner promotes the 'AWS Summit New York City' keynote by Dr. Werner Vogels on August 11 at 10:00 AM ET. Below the banner are four featured cards: 'GETTING STARTED' (Learn how to start using AWS in minutes), 'AWS PRICING' (Optimize your spend for both variable or fixed loads), 'AWS FREE TIER' (Gain hands-on experience with AWS free for 12 months), and 'AWS SUMMIT LIVESTREAM' (Signup to watch the Keynote Livestream on August 11 at 10:00 AM ET). The bottom screenshot shows the AWS Management Console interface. It has a dark header with 'AWS', 'Services', and 'Edit' buttons. The main content area is titled 'Quick Starts' and includes three cards: 'Build a web app', 'Launch a Virtual Machine (EC2 Instance)', and 'Back up your files'. Below these are 'AWS Services' categorized by function: COMPUTE (EC2, EC2 Container Service, Elastic Beanstalk, Lambda), STORAGE & CONTENT DELIVERY (S3, CloudFront, Elastic File System, Glacier, Snowball, Storage Gateway), DATABASE (RDS, DynamoDB, ElastiCache, Redshift, DMS), NETWORKING (VPC, Direct Connect), DEVELOPER TOOLS (CodeCommit, CodeDeploy, CodePipeline), MANAGEMENT TOOLS (CloudWatch, CloudFormation, CloudTrail, Config, OpsWorks, Service Catalog, Trusted Advisor), SECURITY & IDENTITY (IAM, Directory Service, Inspector, WAF, Certificate Manager), ANALYTICS (EMR, Data Pipeline), INTERNET OF THINGS (AWS IoT), GAME DEVELOPMENT (GameLift), MOBILE SERVICES (Mobile Hub, Cognito, Device Farm, Mobile Analytics, SNS), APPLICATION SERVICES (API Gateway, AppStream, CloudSearch, Elastic Transcoder, SES, SQS, SWF), and ENTERPRISE APPLICATIONS (WorkSpaces). On the right side of the console, there are sections for 'GETTING STARTED' (documentation, training), 'AWS CONSOLE MOBILE APP' (download on Appstore, Google Play, or iTunes), 'AWS MARKETPLACE' (find and buy software), 'FEEDBACK' (provide feedback), and 'Service Health' (view dashboard, status: All services are operating normally, updated Aug 04 2016 18:40:00 GMT+0530).



If you have any EC2 resources already you can see in the above area. Create new instance click on “Launch Instance button”

➤ Select Windows server 2012 R2 Base

AWS

Services

Edit

realOregonSupport

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Tag Instance6. Configure Security Group7. Review

Cancel and Exit

Step 1: Choose an Amazon Machine Image (AMI)

Root device type: ebsVirtualization type: hvm

Ubuntu

Free tier eligible

Ubuntu Server 14.04 LTS (HVM), SSD Volume Type - ami-d732f0b7

Ubuntu Server 14.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Root device type: ebsVirtualization type: hvm

64-bit

Select

Microsoft Windows

Free tier eligible

Microsoft Windows Server 2012 R2 Base - ami-2426e944

Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English]

Root device type: ebsVirtualization type: hvm

64-bit

Select

Amazon RDS

Are you launching a database instance? Try Amazon RDS.

Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale a relational database of your choice (MySQL, PostgreSQL, Oracle, SQL Server) in the cloud. It provides cost-efficient and resizable capacity while managing time-consuming database management tasks, freeing you up to focus on your applications and business. [Aurora](#) is a MySQL-compatible, enterprise-class database at 1/10th the cost of commercial databases. [Learn more about RDS](#)

Launch a database using RDS

Hide

Microsoft Windows

Microsoft Windows Server 2012 R2 with SQL Server Express - ami-3526e955

Microsoft Windows Server 2012 R2 Standard edition, 64-bit architecture, Microsoft SQL Server 2016 Express edition. [English]

Root device type: ebsVirtualization type: hvm

64-bit

Select

FeedbackEnglish

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➤ Select t2 micro and click “Review and Launch” button

AWS

Services

Edit

realOregonSupport

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Tag Instance6. Configure Security Group7. Review

Cancel and Exit

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance typesCurrent generationShow/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate
<input checked="" type="checkbox"/>	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	m4.large	2	8	EBS only	Yes	Moderate
<input type="checkbox"/>	General purpose	m4.xlarge	4	16	EBS only	Yes	High
<input type="checkbox"/>	General purpose	m4.2xlarge	8	32	EBS only	Yes	High

CancelPreviousReview and LaunchNext: Configure Instance Details

FeedbackEnglish

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➤ Click “Launch”

Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

Improve your instances' security. Your security group, launch-wizard-2, is open to the world.
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)
Microsoft Windows Server 2012 R2 Base - ami-2426e944
Free tier eligible
Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English]
Root Device Type: ebs Virtualization type: hvm

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Security Groups [Edit security groups](#)

Security group name	Description
launch-wizard-2	launch-wizard-2 created 2016-08-06T00:06:46.971+05:30

[Cancel](#) [Previous](#) [Launch](#)

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➤ You will get pop-up menu, give key pair and select check box and click launch button

Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

Improve your instances' security. Your security group, launch-wizard-2, is open to the world.
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AMI Details [Edit AMI](#)
Microsoft Windows Server 2012 R2 Base - ami-2426e944
Free tier eligible
Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English]
Root Device Type: ebs Virtualization type: hvm

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Security Groups [Edit security groups](#)

Security group name	Description
launch-wizard-2	launch-wizard-2 created 2016-08-06T00:06:46.971+05:30

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).


Choose an existing key pair
Select a key pair
hello

☒ I acknowledge that I have access to the selected private key file (hello.pem), and that without this file, I won't be able to log into my instance.

[Cancel](#) [Launch Instances](#)


[Cancel](#) [Previous](#) [Launch](#)


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 **AWS** ▾ **Services** ▾ Edit ▾

real ▾ Oregon ▾ Support ▾

Launch Status

 **Your instances are now launching**
The following instance launches have been initiated: [i-084d2201ede0526a9](#) [View launch log](#)

 **Get notified of estimated charges**
[Create billing alerts](#) to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.

Click **View Instances** to monitor your instances' status. Once your instances are in the **running** state, you can **connect** to them from the Instances screen. [Find out](#) how to connect to your instances.

▼ Here are some helpful resources to get you started

- [How to connect to your Windows instance](#)
- [Learn about AWS Free Usage Tier](#)



- [Amazon EC2: User Guide](#)
- [Amazon EC2: Microsoft Windows Guide](#)
- [Amazon EC2: Discussion Forum](#)

While your instances are launching you can also

[Create status check alarms](#) to be notified when these instances fail status checks. (Additional charges may apply)

[Create and attach additional EBS volumes](#) (Additional charges may apply)

[Manage security groups](#)

 **Feedback**  **English**

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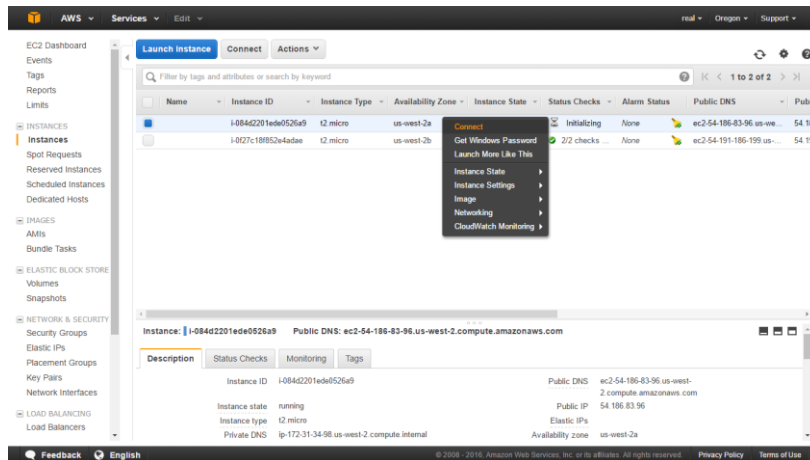
[Privacy Policy](#)

[Terms of Use](#)

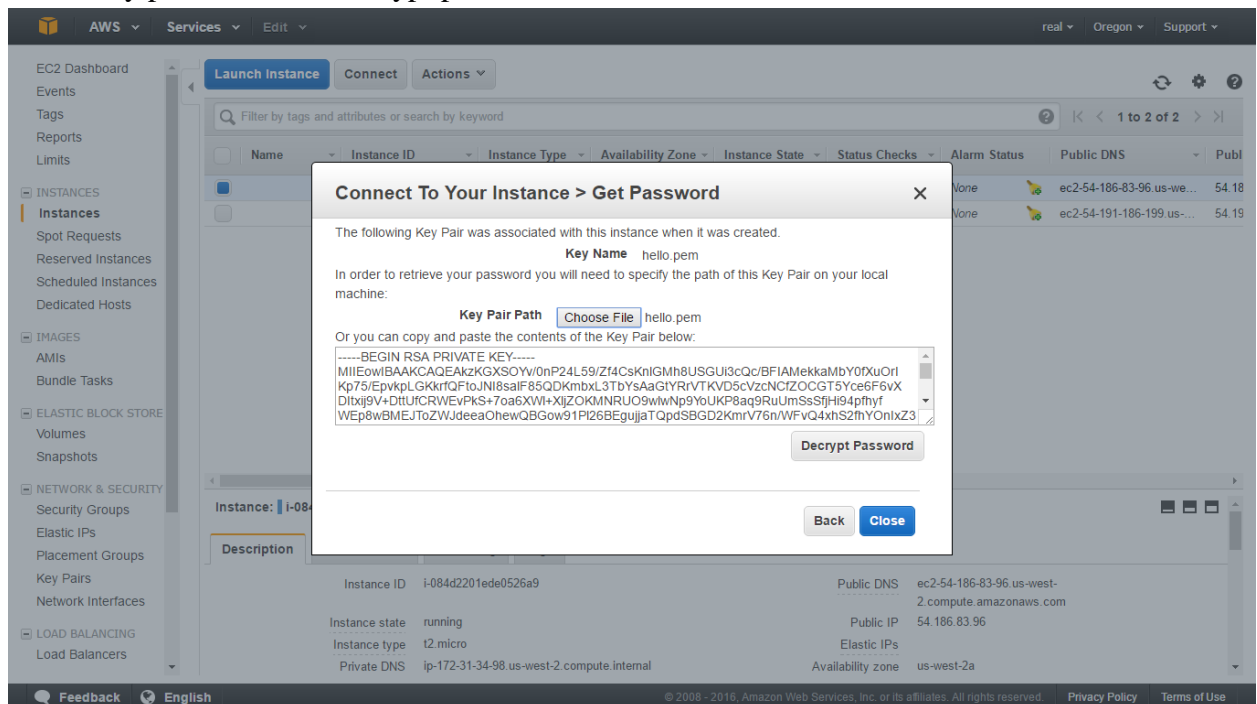
Successfully created Windows 2012 instance.

Connect to AWS Windows instance:

- Right click on instance and select connect



- Select key pair and click Decrypt password



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

Network Interfaces

LOAD BALANCING

Load Balancers

AWS

Services

Edit

real

Oregon

Support

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS	Publ
<input type="checkbox"/>								ec2-54-186-83-96.us-we...	54.18
<input type="checkbox"/>								ec2-54-191-186-199.us-...	54.19

Instance: i-084

Description

Status Checks

Monitoring

Tags

Instance ID

i-084d2201ede0526a9

Public DNS

ec2-54-186-83-96.us-west-2.compute.amazonaws.com

Instance state

running

Public IP

54.186.83.96

Instance type

t2.micro

Elastic IPs

Private DNS

ip-172-31-34-98.us-west-2.compute.internal

Availability zone

us-west-2a

Connect To Your Instance

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

Download Remote Desktop File

When prompted, connect to your instance using the following details:

Public DNS

ec2-54-186-83-96.us-west-2.compute.amazonaws.com

User name

Administrator

Password

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

If you need any assistance connecting to your instance, please see our [connection documentation](#).

Close

Feedback

English

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- Download remote desktop file and you can access instance as remote

