

# ESBII

## Assignment AWS

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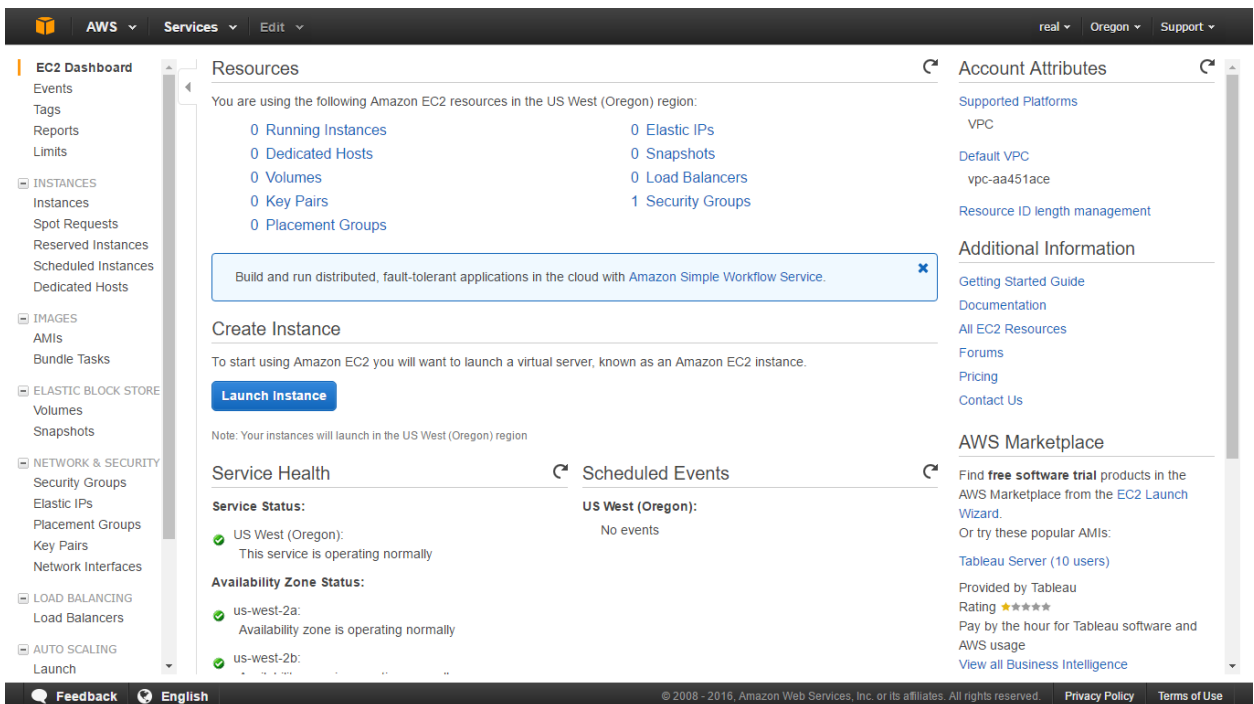
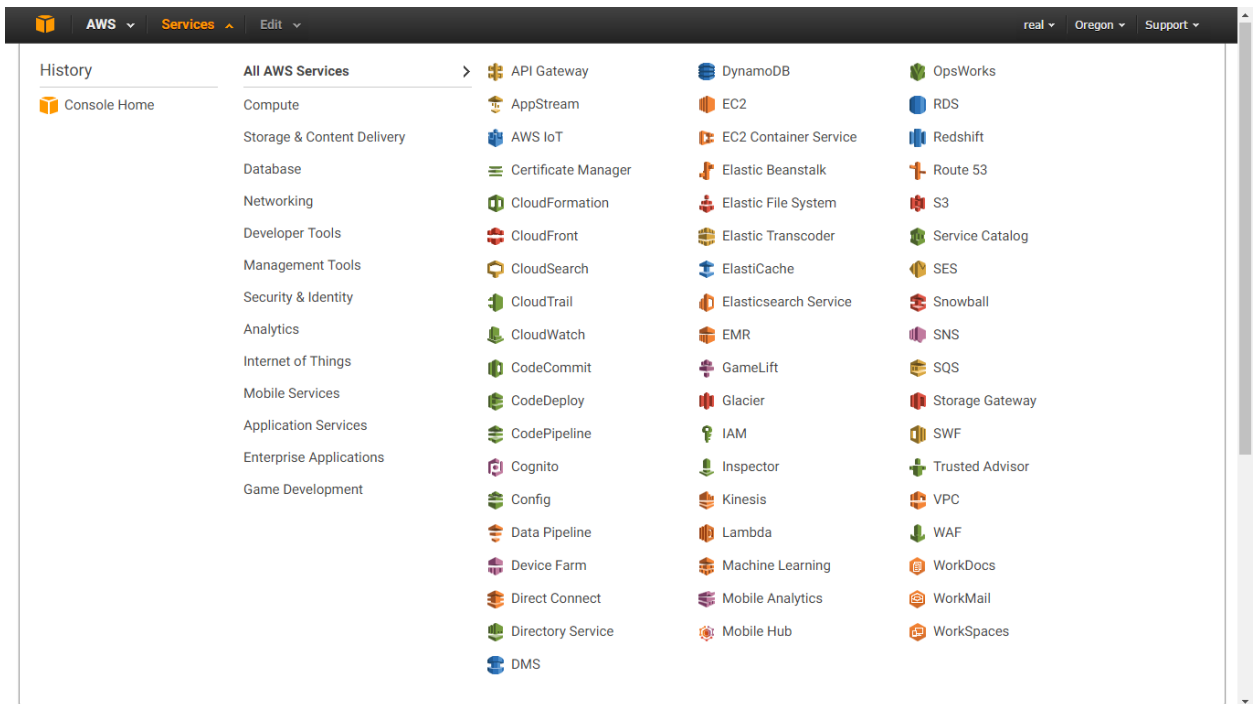
CSN'13

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Technology

# Create Ubuntu instance on AWS:

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

The image shows a screenshot of the AWS website and the AWS Management Console. The top part of the image displays the AWS website homepage, which features a dark header with navigation links like 'Menu', 'Products', 'Solutions', 'Pricing', and 'More'. A prominent banner promotes the 'AWS Summit New York City' keynote by Dr. Werner Vogels on August 11 at 10:00 AM ET. Below the banner, there are four main sections: '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 part of the image 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, there are three more cards: 'Build a backend for your mobile app', 'Host a static website', and 'Analyze big data'. The 'AWS Services' section is visible, listing various services under categories like 'COMPUTE', 'STORAGE & CONTENT DELIVERY', 'DATABASE', 'NETWORKING', 'DEVELOPER TOOLS', 'MANAGEMENT TOOLS', 'SECURITY & IDENTITY', 'ANALYTICS', 'INTERNET OF THINGS', 'GAME DEVELOPMENT', 'MOBILE SERVICES', 'APPLICATION SERVICES', and 'ENTERPRISE APPLICATIONS'. On the right side of the console, there are sections for 'GETTING STARTED', 'AWS CONSOLE MOBILE APP', 'AWS MARKETPLACE', 'FEEDBACK', and 'Service Health'. The 'Service Health' section shows a green checkmark and states 'All services are operating normally' as of August 4, 2016, at 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 Ubuntu server 14.04 LTS

AWS

Services

Edit

real

Oregon

Support

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Tag Instance

6. Configure Security Group

7. 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

Feedback

English

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

AWS

Services

Edit

real

Oregon

Support

1. Choose AMI

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3. Configure Instance

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7. Review

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 types

Current generation

Show/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

Cancel

Previous

Review and Launch

Next: Configure Instance Details

Feedback

English

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➤ Click “Launch”

AWS

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Edit

real

Oregon

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### 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-1, 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

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: 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	launch-wizard-1
Description	launch-wizard-1 created 2016-08-04T18:55:45.379+05:30

Cancel

Previous

Launch

Feedback

English

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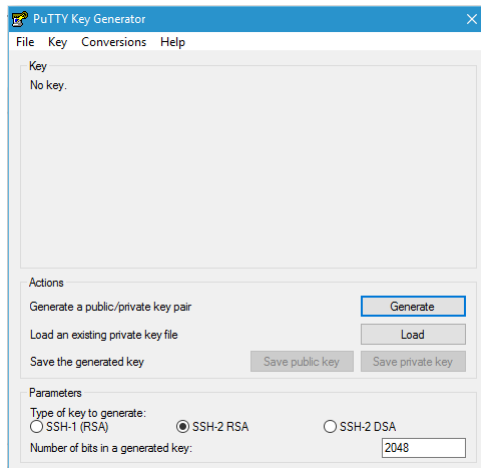
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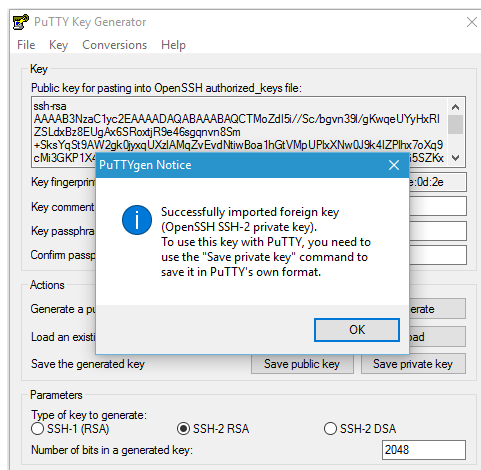
Successfully created Ubuntu instance.

## Connect to AWS Ubuntu instance using Putty:

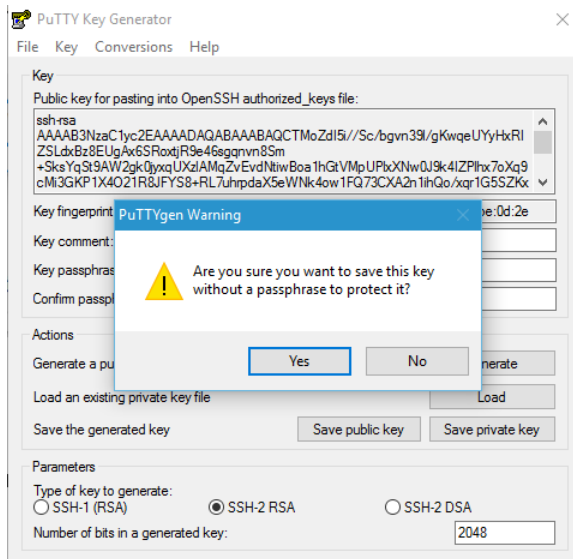
- Start putty key generator



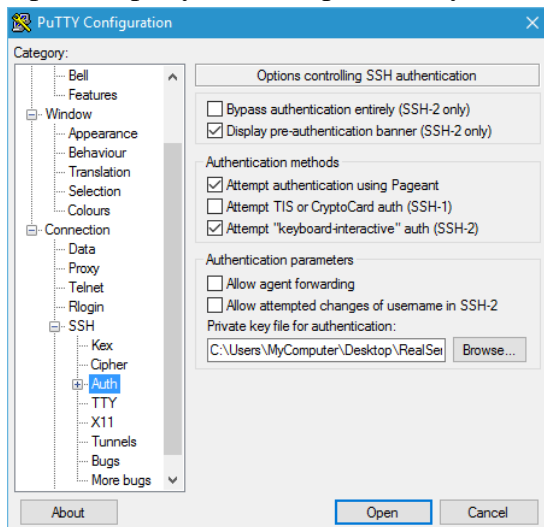
- Locate key file on your PC by clicking load button



- Save private key on PC by clicking OK and Save button



- Open the putty and load private key which you already saved



- Open the connection using public DNS

