



Tutorial 3

Intro to Amazon Web Server

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Slides based on Solon's 2012-fall version

Apply AWS Free Usage Tier from Amazon

- You are required to apply an Amazon EC2 server and host your website there.
- a) The agreement
<http://aws.amazon.com/agreement/>
- b) The offer terms
<http://aws.amazon.com/free/terms/>
- c) The description of Free usage tier
<http://aws.amazon.com/free/>

Prerequisite

- Valid credit card
- If you do not have a credit card,
 - 1) Borrow it from your friends
 - 2) Borrow it from your family member
 - 3) Apply one
- Note: If your credit card cannot perform online payment, you cannot use it to apply Amazon web server. Please contact your card issuing bank for more details.

Prerequisite

- Free for a year if you fits the usage tier
- <http://aws.amazon.com/free/>

AWS Free Usage Tier (Per Month):

Elastic Compute Cloud (EC2)

- 750 hours of Amazon EC2 Linux+ Micro Instance usage (613 MB of memory and 32-bit and 64-bit platform support) – enough hours to run continuously each month*
- 750 hours of Amazon EC2 Microsoft Windows Server+ Micro Instance usage (613 MB of memory and 32-bit and 64-bit platform support) – enough hours to run continuously each month*
- 750 hours of an Elastic Load Balancer plus 15 GB data processing*
- 30 GB of Amazon Elastic Block Storage, plus 2 million I/Os and 1 GB of snapshot storage*

Simple Storage Service (S3)

- 5 GB of Amazon S3 standard storage, 20,000 Get Requests, and 2,000 Put Requests*

DynamoDB

- 100 MB of storage, 5 units of write capacity, and 10 units of read capacity for Amazon DynamoDB.**

Relational Database Service (RDS)

- 750 hours of Amazon RDS Single-AZ Micro DB Instances, for running MySQL, Oracle BYOL or SQL Server (running SQL Server Express Edition)** – enough hours to run a DB Instance continuously each month*
- 20 GB of database storage
- 10 million I/Os
- 20 GB of backup storage for your automated database backups and any user-initiated DB Snapshots

SimpleDB

- 25 Amazon SimpleDB Machine Hours and 1 GB of Storage**

Prerequisite

- IERG4210 receives an education grant from Amazon.
- Each student awarded US\$100 credit to do a lot more than what provided by the free tier
- If you use more than that, see pricing: <http://aws.amazon.com/ec2/pricing/>

Apply AWS Free Usage Tier



Sign Up

My Account / Console ▾

English ▾

AWS Products & Solutions ▾

AWS Product Information ▾



Developers ▾

Support ▾

AWS Free Usage Tier

- Overview
- FAQs
- Terms

AWS Free Usage Tier

To help **new AWS customers** get started in the cloud, AWS is introducing a free usage tier. New AWS customers will be able to run a free Amazon EC2 Micro Instance for a year, while also leveraging a free usage tier for Amazon S3, Amazon Elastic Block Store, Amazon Elastic Load Balancing, and AWS data transfer. AWS's free usage tier can be used for anything you want to run in the cloud: launch new applications, test existing applications in the cloud, or simply gain hands-on experience with AWS.

Below are the highlights of AWS's free usage tiers. All are available for one year (except Amazon SimpleDB, SQS, and SNS which are free indefinitely):

AWS Free Usage Tier (Per Month):

- 750 hours of Amazon EC2 Linux Micro Instance usage (613 MB of memory and 32-bit and 64-bit

Sign Up Now

A valid credit card is required to sign up. See [offer terms](#).

[Click to sign up](#)

Apply AWS Free Usage Tier




Sign In or Create an AWS Account

You may sign in using your existing Amazon.com account or you can create a new account by selecting "I am a new user."

My e-mail address is: *Type your email here*

I am a new user.

**I am a returning user
and my password is:**

Sign in using our secure server 

[Forgot your password?](#)

[Has your e-mail address changed?](#)

Apply AWS Free Usage Tier



Login Credentials

Use the form below to create login credentials that can be used for AWS as well as Amazon.com.

My name is:

My e-mail address is:

Type it again:

note: this is the e-mail address that we will use to contact you about your account

Enter a new password:

Type it again:

Continue 

Apply AWS Free Usage Tier

- After filling all the information
- Fill in credit card data



Amazon Web Services Sign Up

CREATE ACCOUNT

PAYMENT METHOD

IDENTITY VERIFICATION

CONFIRMATION

Your AWS account credentials have been created, but in order to begin using any of the services, you will need to provide your payment information and continue. There is no fee to sign up and you only pay for what you use.

Enter Your Payment Information Below

Your credit card will not be charged until you begin using AWS, and many of your applications and uses of AWS may be able to operate within the AWS free usage tier. If your monthly usage goes beyond the free tier, your AWS service charges will be billed to the credit card you provide below. [View detailed service pricing](#)

* required fields

Credit Card*:

Card Number*:

Cardholder's Name*:

Expiration Date*:

Enter Your Billing Address

Select the billing address associated with your credit card.

Use my contact address as my billing address

Enter a new address

Hong Kong SAR

Continue

Apply AWS Free Usage Tier

- Provide your phone number and type in the PIN when they call you



Amazon Web Services Sign Up

CREATE ACCOUNT

PAYMENT METHOD

IDENTITY VERIFICATION

CONFIRMATION

In order to complete the sign up process, we will need to verify your identity.

Identity Verification by Telephone

After you provide a telephone number where you can be reached below, you will then be called immediately by an automated system and prompted to enter the PIN number over the phone. Once completed, you'll be able to proceed to review your account details. Please follow the 3 simple steps below.

✓ Provide a telephone number

Call in progress to 852

Please follow the instructions on the telephone and key in the following Personal Identification Number (PIN) on your telephone when prompted.

Your PIN: 9897

If you have not yet received a call at the number indicated above please wait. This page will automatically update with what you need to do next.

3. Identity verification complete

Apply AWS Free Usage Tier

- Done.
- You should receive some mails from Amazon in your email
- Next Step:
- Login the Amazon account and check the information
- Start an instance

Apply AWS Free Usage Tier

- Go to aws.amazon.com

The screenshot shows the AWS website homepage. The browser's address bar displays aws.amazon.com. The page features the Amazon Web Services logo, a search bar, and navigation links for 'Sign Up' and 'My Account / Console'. A dropdown menu is open under 'My Account / Console', listing options: 'AWS Management Console', 'My Account', 'Account Activity', 'Usage Reports', and 'Security Credentials'. The 'My Account' option is circled in red. Below the navigation, a large blue banner reads 'Innovation. Powered by Amazon Web Services'. To the right, a box titled 'Get Started with a Free AWS Account' contains a 'Sign Up Now' button. The main content area is divided into four columns: 'Low Cost', 'Instant Elasticity', 'Open & Flexible', and 'Secure'. At the bottom, there are sections for 'Products & Services' and 'Recent News'.

aws.amazon.com

此網頁為 英文 您要翻譯網頁內容嗎? 翻譯 不需要

amazon web services

Sign Up My Account / Console English

AWS Products & Solutions Entire Site Support

Innovation.
Powered by Amazon Web Services

Low Cost
Pay-as-you go, no upfront expenses or long-term commitments.

Instant Elasticity
Instantly deploy your application. Scale resources up or down based on demand.

Open & Flexible
If it runs in a data center, it can run on AWS. You have full control.

Secure
Utilize a secure technology platform built and managed by Amazon.

Get Started with a Free AWS Account

Sign Up Now

Products & Services
View all products & services »

Recent News
Announcements Media Coverage

Compute **Database**

Apply AWS Free Usage Tier

- Check the service you have registered



Sign Up

My Account / Console ▾

English ▾

AWS Products & Solutions ▾

AWS Product Information ▾



Developers ▾

Support ▾

Account

- Account Activity
- AWS Identity and Access Management
- AWS Management Console
- Consolidated Billing
- DevPay
- Manage Your Account**
- Payment Method
- Personal Information
- Security Credentials
- Usage Reports

Manage Your Account

Welcome Solon Li | Sign Out
Account Number 9407-0103-1429

Services You're Signed Up For

Amazon CloudFormation	Amazon Simple Queue Service (SQS)
Amazon CloudFront	Amazon Simple Storage Service (S3)
Amazon CloudWatch	Amazon SimpleDB
Amazon DynamoDB	Amazon Virtual Private Cloud (VPC)
Amazon Elastic Compute Cloud (EC2)	Auto Scaling
Amazon Elastic MapReduce	AWS Elastic Beanstalk
Amazon ElastiCache	AWS Import/Export
Amazon Mechanical Turk	AWS Storage Gateway
Amazon Relational Database Service (RDS)	Elastic Block Store (EBS)
Amazon Route 53	Elastic Load Balancing
Amazon Simple Email Service (SES)	Product Advertising API
Amazon Simple Notification Service (SNS)	

Services You're Not Signed Up For

Support

AWS Premium Support

AWS Premium Support is a one-on-one, fast response support channel to help you build and run applications on AWS. With pay-by-the-month pricing and an unlimited number of support cases, you are not constrained by long-term support contracts

Sign Up Now

Apply AWS Free Usage Tier

- Click Account Activity can see the usage and the charge of your account

Account
Account Activity
AWS Identity and Access Management
AWS Management Console
Consolidated Billing
DevPay
Manage Your Account
Payment Method
Personal Information
Security Credentials
Usage Reports

Account Activity

Welcome Solon Li | [Sign Out](#)
Account Number 9407-0103-1429

This Month's Activity as of January 31, 2012

The statement period for this report is January 1 - January 31, 2012. The charges on this page currently show activity through approximately 01/31/2012 13:59 GMT.

Summary

You have no billable activity for this statement period.

Total new charges for this statement **\$0.00**

No payments received to date.

Outstanding balance for this statement **\$0.00**

Details

[Expand All Services](#) | [Collapse All Services](#)

[Printer Friendly Version](#)

AWS Service Charges **\$0.00**

Amazon Elastic Compute Cloud **\$0.00**
[Download Usage Report >>](#)

US East (Northern Virginia) Region

Amazon EC2 running Linux/UNIX

\$0.00 per Micro Instance (t1.micro) instance-hour (or partial hour) under monthly free tier 18 Hrs 0.00

Amazon EC2 EBS

\$0.00 per GB-month of provisioned storage under monthly free tier 0.172 GB-Mo 0.00

\$0.00 per 1 million I/O requests under monthly free tier 19,797 IOs 0.00

Elastic IP Addresses

\$0.00 per Elastic IP address remap - first 100 remaps / month 1 Count 0.00

Amazon Simple Notification Service **\$0.00**
[Download Usage Report >>](#)

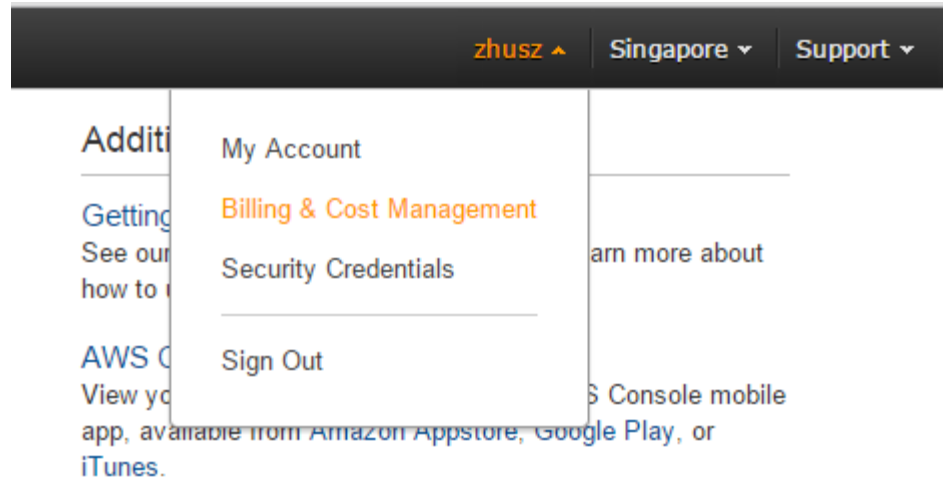
Amazon Simple Storage Service **\$0.00**
[Download Usage Report >>](#)

Apply the AWS credit code

- Credit code to be sent to your CUHK email by Jan 30, 2015
- Before applying it to your account, be reminded that anything exceeding the free tier will be charged to your credit card

Apply the AWS credit code

- Logging into your account
- Click the arrow right to your name
- Choose Billing & Cost Management



Apply the AWS credit code

- Choose credits on the left side of dash
- Input your prescribed codes
- Click Redeem

Dashboard

Bills

Cost Explorer

Payment Methods

Payment History

Consolidated Billing

Account Settings

Reports

Preferences

Credits

Tax Settings

DevPay

Credits

Please enter your code below to redeem your credits.

Promo Code:

Redeem

Below are all the credits you have redeemed with AWS. Credits will automatic

You currently have no redeemable credits.

Apply the AWS credit code

- You will find this information
- Great!

Promo Code:

Below are all the credits you have redeemed with AWS. Credits will automatically be applied to your bill. Only credits that apply to a specific service can be used.

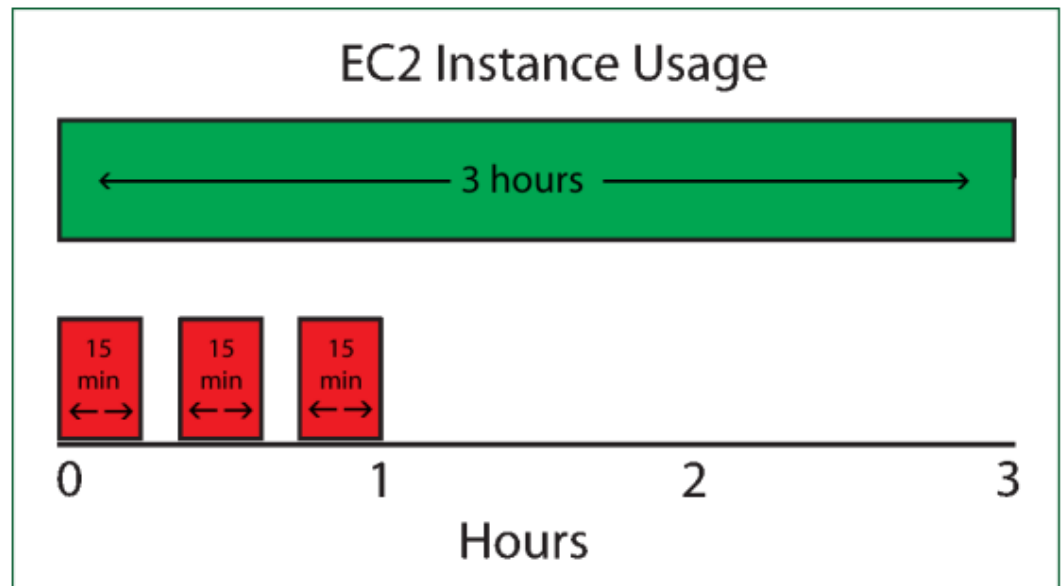
Expiration Date	Credit Name	Credits Used	Credits Remaining	Applicable Products
2015-12-31	EDU_E_FY2014_Q4_ChineseUniversityOfHongKong_Fung	\$0.00	\$100.00	See complete list

Total Amount of Credits Remaining: \$100.00

- **Reminder: Do not log in as a IAM user to settle the credit code.**

AWS Free Usage Tier

- Remember:
- If you terminate an instance, you may loss all data in it.
- Instance running less than 1 hour is counted as 1 hour



AWS Free Usage Tier

- Reference:
- Getting Started Guide from Amazon
- <http://docs.amazonwebservices.com/AWSEC2/latest/GettingStartedGuide/Welcome.html?r=9983>
- EC2 resources page
- <http://aws.amazon.com/ec2/#resources>

End

- Remember to apply an Amazon account
- Get a credit card ASAP

- Any questions?