

AWS Educator Meetup

AWS Educate Program 實務分享

朝陽科技大學
智慧生活技術與應用學程
學程老師 暨
資通系 助理教授

謝佳奮

Date: 2019/12/13



謝佳奮 Joe Hsieh

2018~2019

朝陽科技大學

智慧生活技術與應用 學程老師
資訊與通訊系 助理教授

2014~2018

慧與(HPE)科技 技術顧問

2013

東捷科技 系統工程師

2012

日本会津大學 研究助理



學歷

朝陽科技大學

資訊科技研究所博士班

資訊管理系研究所

資訊管理系

In-Class Training(學生)



人材培育討論



教師座談會



AWS Educate 上課實務分享

朝陽科技大學
智慧生活技術與應用學程
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官方案例實作 建立現代Web應用程式

以實際操作手冊進行說明，
訓練學生實作與
自行製作手冊的能力。

今日課程目標

透過AWS Educate Program，建立期末報告的標準案例

- 部署Web應用程式
- 連接資料庫
- 分析使用者行為

AWS範例

官方建立流程如下面網址：

<https://aws.amazon.com/tw/getting-started/projects/build-modern-app-fargate-lambda-dynamodb-python/>

登入AWS Educate 平臺，進入課程

Vocareum

Welcome to AWS Educate Classroom Account

Use your AWS Educate Classroom Account to access to a wide variety of AWS Services and start building! Click on the AWS Console button to sign in and get started.

- What regions can I use with a Classroom Account?
- Are Service Linked Roles supported?
- I can't start any resources. What happened?
- Can I create users within my Classroom Account for others to access?
- Can I create my own IAM policy within Starter Account or Classroom?
- How can I use IAM roles within AWS services?
- Are there any restrictions on AWS services in my Classroom Account?
- My clouformation scripts are failing. Why?

Your Classroom Account Status

	0
	\$50
	2:53

remaining credits (estimated)

session time

Account Details AWS Console

A central video player is overlaid on a colorful illustration titled "Your Journey to a Cloud Career with AWS EDUCATE". The illustration shows various stages of a career path, including creating a profile, learning skills, earning badges, and starting a career. It features characters like a person holding a laptop, another with a gear, and others in professional attire. The AWS logo is visible in the top left corner of the illustration.

AWS 管理控制台

AWS 服務

尋找服務 您可以輸入名稱、關鍵字或縮寫。

例如: Relational Database Service、資料庫、

▼ 最近瀏覽的服務 Lambda

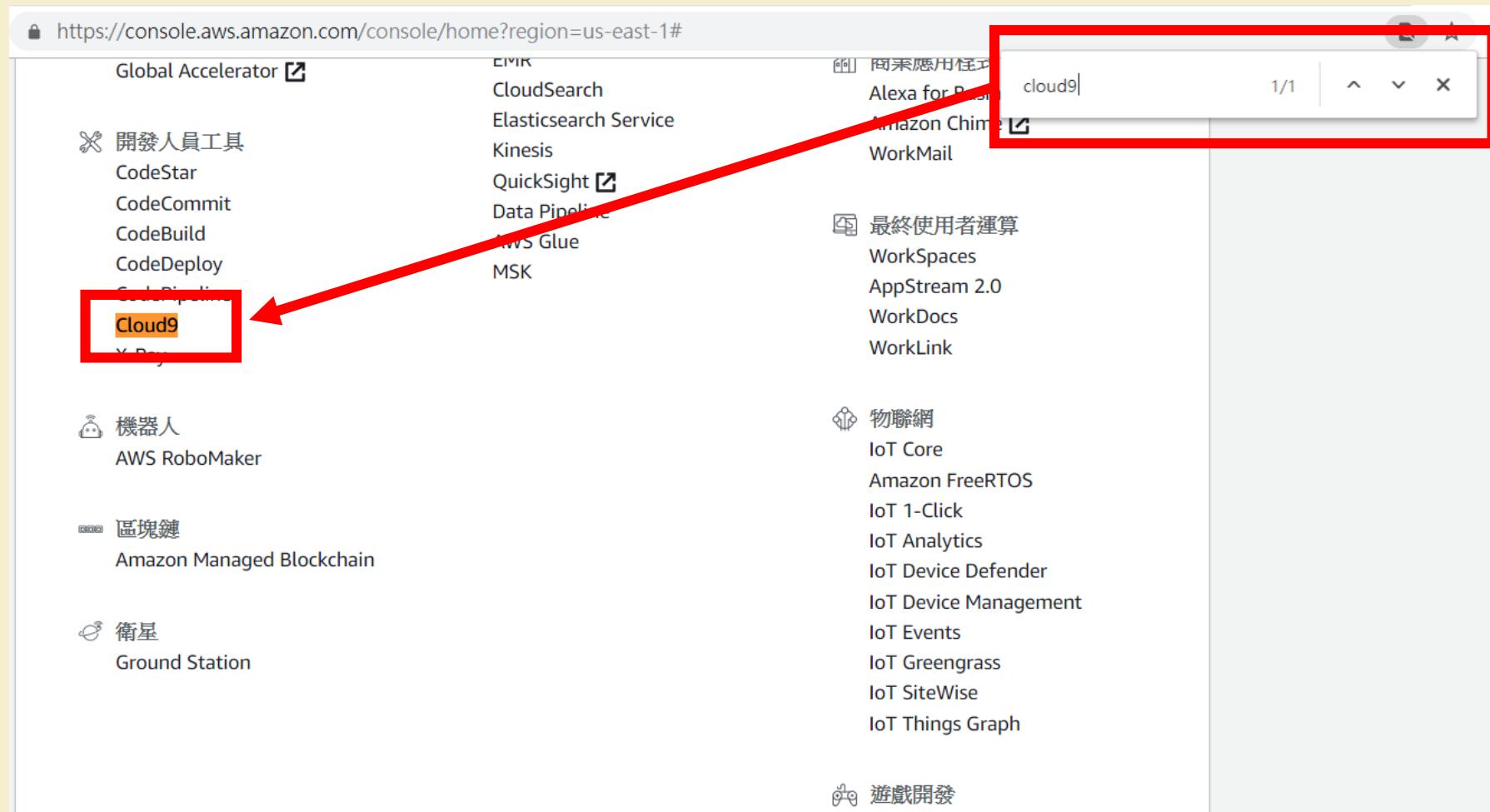
▼ 所有服務 運算 EC2 Lightsail ECR ECS EKS Lambda Batch Elastic Beanstalk

美國東部 (維吉尼亞州北部) ▾ 支援 ▾

選其中一個

美國東部 (俄亥俄)
美國西部 (加州北部)

美國東部 (維吉尼亞州北部)
美國西部 (奧勒岡)
亞太地區 (香港)
亞太地區 (孟買)
亞太地區 (首爾)
亞太地區 (新加坡)
亞太地區 (雪梨)
亞太地區 (東京)
加拿大 (中部)
歐盟 (法蘭克福)
歐盟 (愛爾蘭)
歐盟 (倫敦)
歐盟 (巴黎)
歐盟 (斯德哥爾摩)
南美洲 (聖保羅)



AWS Cloud9

a cloud IDE for writing, running, and debugging code

AWS Cloud9 allows you to write, run, and debug your code with just a browser. With AWS Cloud9, you have immediate access to a rich code editor, integrated debugger, and built-in terminal with preconfigured AWS CLI. You can get started in minutes and no longer have to spend the time to install local applications or configure your development machine.

How it works

Create an AWS Cloud9 development environment on a new Amazon EC2 instance or connect it to your own Linux server through SSH. Once you've created an AWS Cloud9 environment, you will have immediate access to a rich code editor, integrated debugger, and built-in terminal with pre-configured AWS CLI – all within your browser.

Using the AWS Cloud9 dashboard, you can create and switch between many different AWS Cloud9 environments, each one containing the custom tools, runtimes, and files for a specific project.

New AWS Cloud9 environment

[Create environment](#)

Getting started

[Before you start](#) 2 min read

[Create a environment](#) 3 min read

[Working with environments](#) 15 min read

[Working with the IDE](#) 10 min read

[Working with AWS Lambda](#) 5 min read

Step 1
Name environment

Step 2
Configure settings

Step 3
Review

Name environment

Environment name and description

Name

The name needs to be unique per user. You can update it at any time in your environment settings.

 MythicalMysfitsIDE

Limit: 60 characters

Description - Optional

This will appear on your environment's card in your dashboard. You can update it at any time in your environment settings.

 Write a short description for your environment.

Limit: 200 characters

Cancel

Next step



Step 1
Name environment

Step 2
Configure settings

Step 3
Review

Configure settings

Environment settings

Environment type [Info](#)

Choose between creating a new EC2 instance for your new environment or connecting directly to your server over SSH.

Platform

Amazon Linux

Ubuntu Server 18.04 LTS

Cost-saving setting

Choose a predetermined amount of time to auto-hibernate your environment and prevent unnecessary charges. We recommend a hibernation settings of half an hour of no activity to maximize savings.

After 30 minutes (default) ▾

IAM role

AWS Cloud9 creates a service-linked role for you. This allows AWS Cloud9 to call other AWS services on your behalf. You can delete the role from the AWS IAM console once you no longer have any AWS Cloud9 environments. [Learn more](#) ↗

AWSServiceRoleForAWSCloud9

▶ Network settings (advanced)

頁面拉到底

Cancel

Previous step

Next step

Step 1
Name environment

Step 2
Configure settings

Step 3
Review

Review

Environment name and settings

Amazon Linux

Cost-saving settings

After 30 minutes (default)

IAM role

AWSServiceRoleForAWSCloud9 (generated)



We recommend the following best practices for using your AWS Cloud9 environment

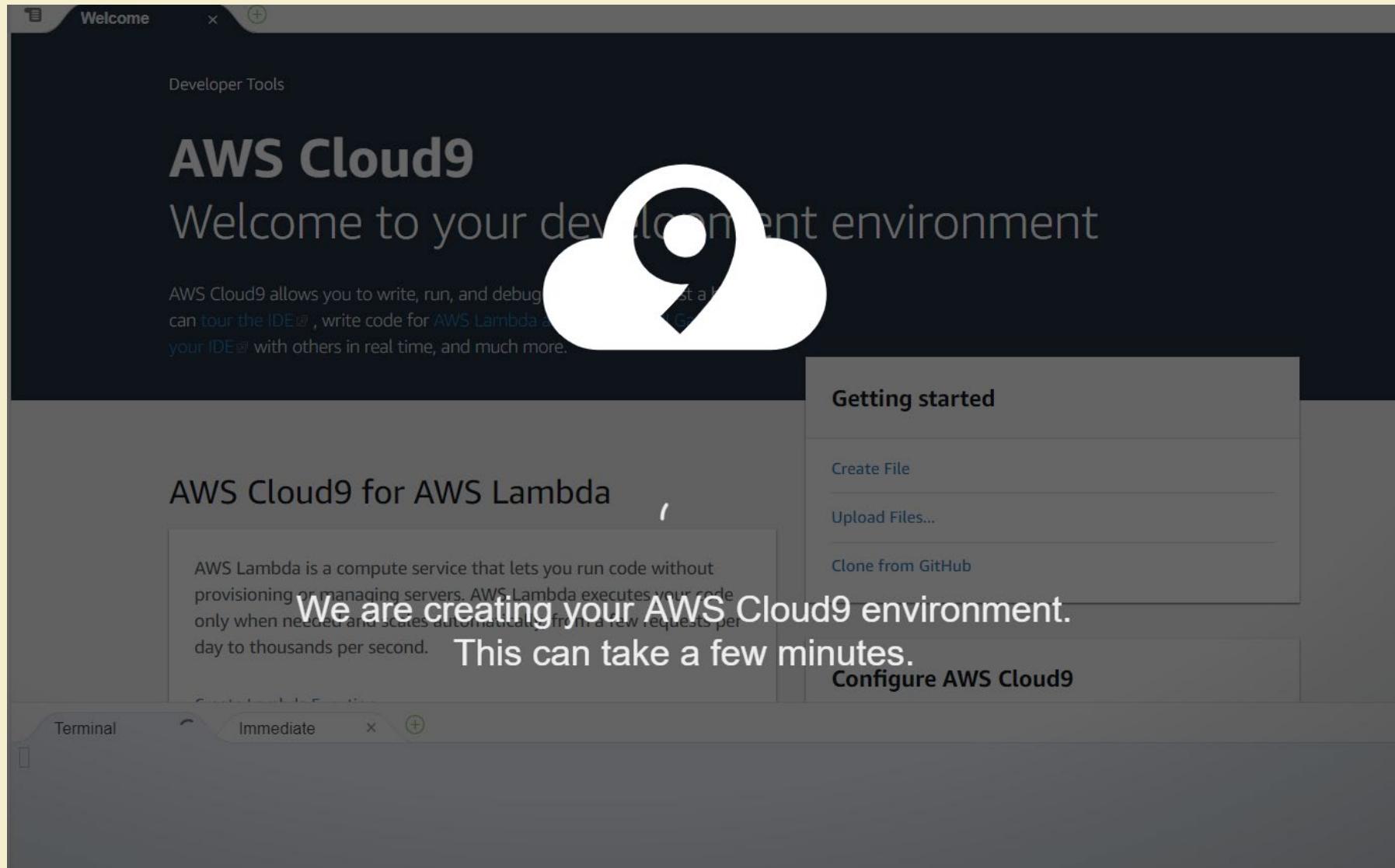
- Use **source control and backup** your environment frequently. AWS Cloud9 does not perform automatic backups.
- Perform regular **updates of software** on your environment. AWS Cloud9 does not perform automatic updates on your behalf.
- Turn on **AWS CloudTrail** in your AWS account to track activity in your environment. [Learn more](#)
- Only share your environment with **trusted users**. Sharing your environment may put your AWS access credentials at risk. [Learn more](#)

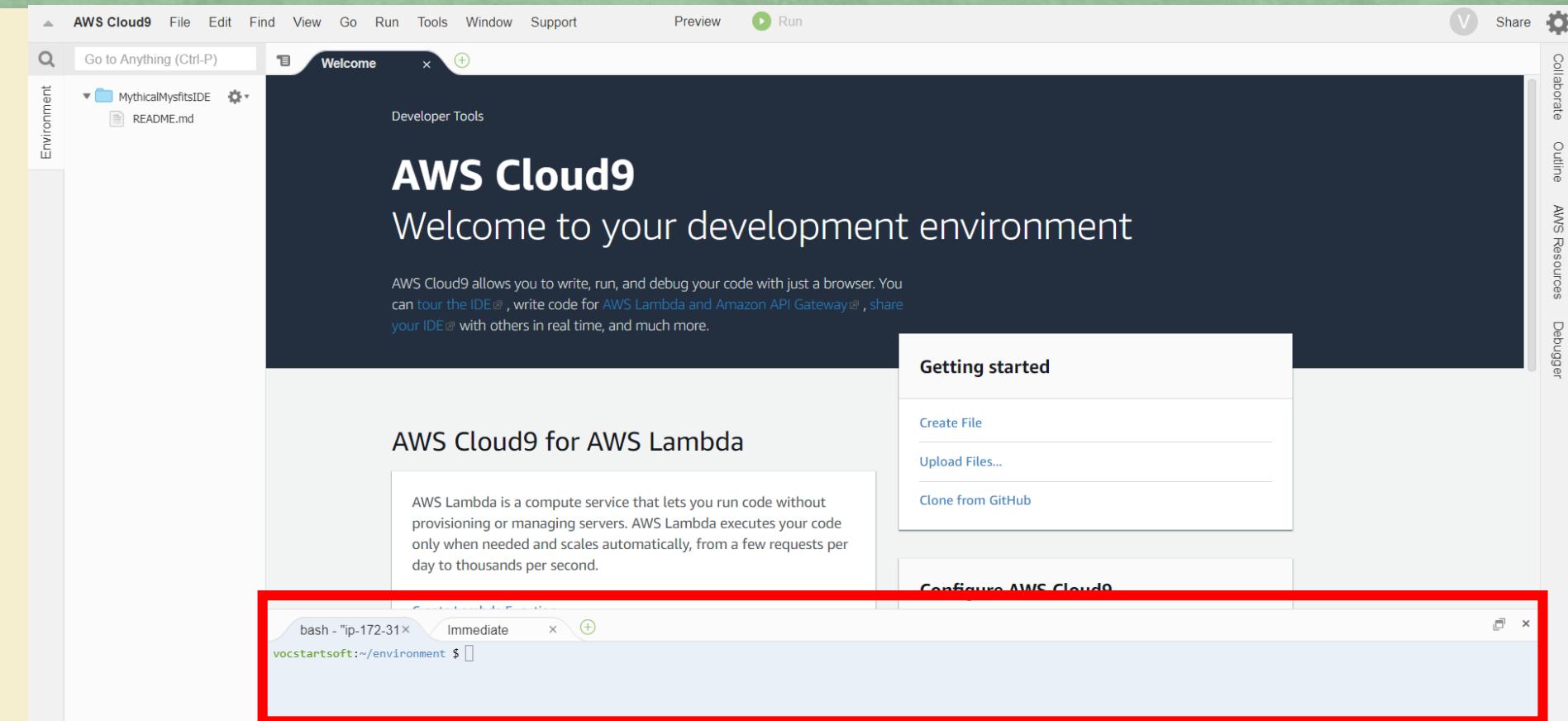
頁面拉到底

Cancel

Previous step

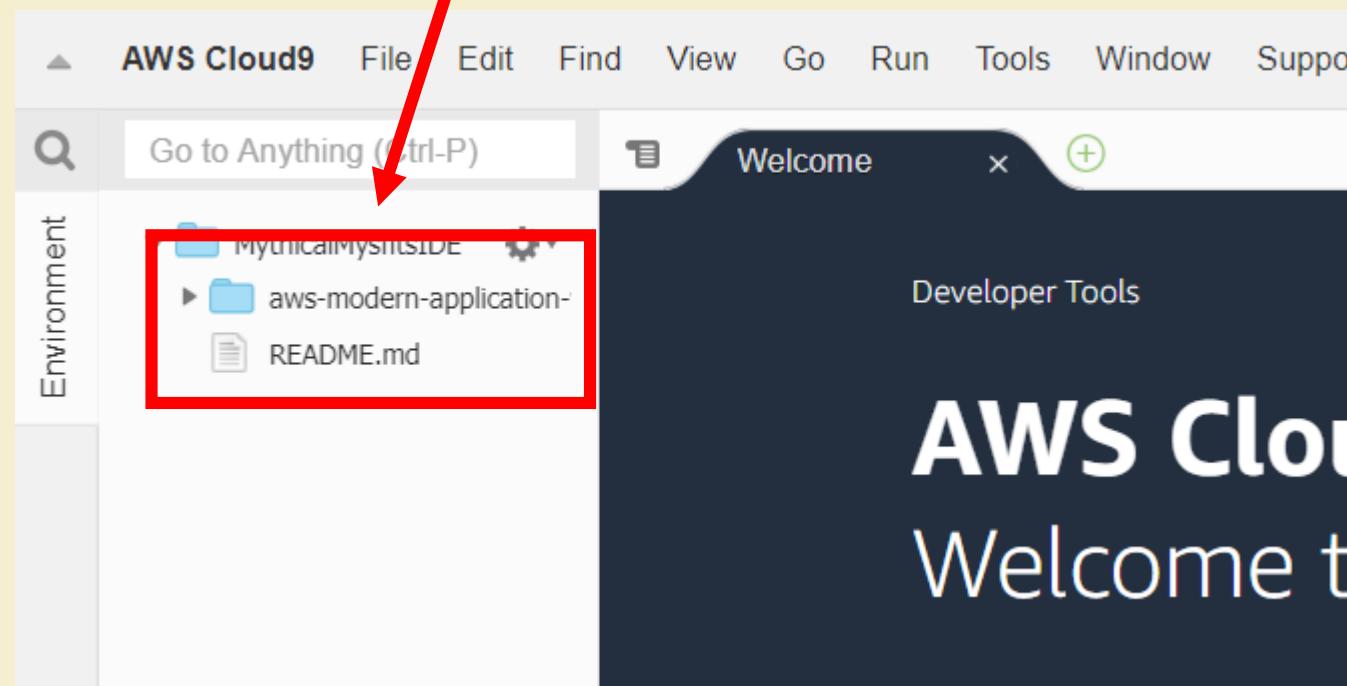
Create environment





A red arrow points from the "Configure AWS Cloud9" section in the top screenshot down to the "git clone" command in the terminal window of the bottom screenshot. The terminal window in the bottom screenshot has tabs for "bash - ip-172-31" and "Immediate". The "Immediate" tab is active, showing the command "vocstartsoft:~/environment \$ git clone -b python https://github.com/aws-samples/aws-modern-application-workshop.git".

```
git - "ip-172-31-9" ✘ Immediate ✘ +  
vocstartsoft:~/environment $ git clone -b python https://github.com/aws-samples/aws-modern-application-workshop.git  
Cloning into 'aws-modern-application-workshop'...  
remote: Enumerating objects: 7, done.  
remote: Counting objects: 100% (7/7), done.  
remote: Compressing objects: 100% (7/7), done.  
remote: Total 4774 (delta 1), reused 1 (delta 0), pack-reused 4767  
Receiving objects: 100% (4774/4774), 15.58 MiB | 25.90 MiB/s, done.  
Resolving deltas: 100% (1873/1873), done.  
vocstartsoft:~/environment $
```



AWS Cloud9 for AWS Lambda

Upload Files

git - "ip-172-31-9(x

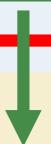
Immediate



```
vocstartsoft:~/environment $ git clone -b python https://github.com/aws-samples/aws-modern-application-workshop.git
Cloning into 'aws-modern-application-workshop'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 4774 (delta 1), reused 1 (delta 0), pack-reused 4767
Receiving objects: 100% (4774/4774), 15.58 MiB | 25.90 MiB/s, done.
Receiving deltas: 100% (1073/1073)  cd aws-modern-application-workshop
vocstartsoft:~/environment $ cd aws-modern-application-workshop
vocstartsoft:~/environment/aws-modern-application-workshop (python) $
```

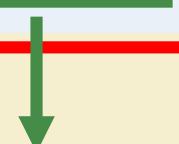


```
vocstartsoft:~/environment/aws-modern-application-workshop (python) $ aws s3 mb s3://fenlish20190529
make_bucket: fenlish20190529
vocstartsoft:~/environment/aws-modern-application-workshop (python) $
```



取名字，每人不同

```
vocstartsoft:~/environment/aws-modern-application-workshop (python) $ aws s3 website s3://fenlish20190529 --index-document index.html
vocstartsoft:~/environment/aws-modern-application-workshop (python) $
```



取代成你取的名字

```
1 {
2     "Id": "MyPolicy",
3     "Version": "2012-10-17",
4     "Statement": [
5         {
6             "Sid": "PublicReadForGetBucketObjects",
7             "Effect": "Allow",
8             "Principal": "*",
9             "Action": "s3:GetObject",
10            "Resource": "arn:aws:s3:::fenlish20190529/*"
11        }
12    ]
13 }
```

```
vocstartsoft:~/environment/aws-modern-application-workshop (python) $ aws s3api put-bucket-policy --bucket fenlish20190529 --policy file://~/environment/aws-modern-application-workshop/module-1/aws-cli/website-bucket-policy.json
```

取代成你取的名字

```
vocstartsoft:~/environment/aws-modern-application-workshop (python) $ aws s3 cp ~/environment/aws-modern-application-workshop/module-1/web/index.html s3://fenlish20190529/index.html
```

取代成你取的名字

用網址測試第一步已完成

- <http://你取的名字.s3-website-選的區域.amazonaws.com>



us-east-1
us-west-2
eu-west-1
us-east-2

- <http://fenlish20190529.s3-website-us-east-1.amazonaws.com/>

學生製作成果手冊

學生以自行實作過程，
製作操作手冊的成果。

雲端虛擬報告 第三組

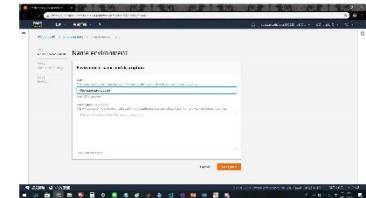
組員:	
10430039 鄭博仁	10530055 李家翰
10530005 李柏翰	10530065 翁加恩
10530019 王木炎	10530111 許盈鴻

產品介紹

- ▶ 使用者可以建置屬於自己的網頁
- ▶ 在建置上面不需要太繁雜的操作
- ▶ 使用者不需要再顧慮硬體設備問題
- ▶ 不用再考慮安全及管理資源的問題

Cloud9 製作步驟

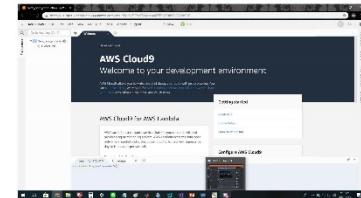
Step1 建立環境名稱



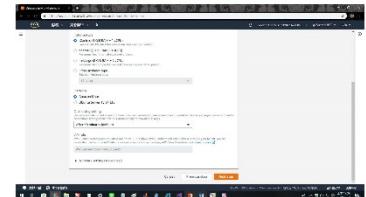
等待建置畫面



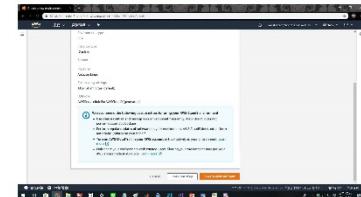
Step4 完成建立IDE



Step2 環境設定使用預設值



Step3 直接按下一步建立完成



Step5

在終端機輸入

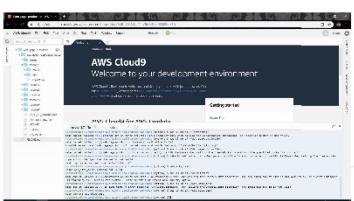
```
git clone -b python https://github.com/aws-samples/aws-modern-application-workshop.git
```



Step7

(建立bullet-name必須都為小寫 否則無法建立)

在終端機輸入 aws s3 mb s3://web-site-test



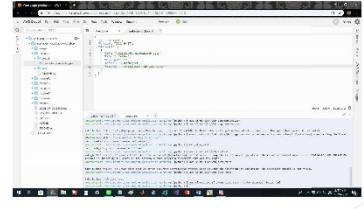
Step6

在終端機輸入 cd aws-modern-application-workshop進入 aws-modern-application-workshop 目錄底下



Step9

打開website-bucket-policy.json
將Resource的name 改成web-site-test



Step10

把bucket加入網站
在終端機輸入

```
aws s3api put-bucket-policy --bucket web-site-test --policy file:///environment/aws-modern-application-workshop/module-1/aws-cli/website-bucket-policy.json
```



Step8

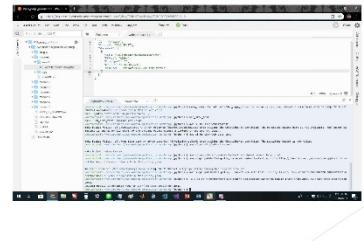
將DNS直接發送到選定的網站主頁
在終端機輸入

```
aws s3 website s3://web-site-test --index-document index.html
```



Step11

在終端機輸入
aws s3 cp -r environment/aws-modern-application-workshop/module-1/web/index.html s3://web-site-test/index.html



Step12 (完成)

在瀏覽器輸入
<http://web-site-test.s3-website-us-east-1.amazonaws.com>



S3製作步驟

進入console後搜尋s3



下一步



封鎖公開存取



點選“建立儲存貯體”



鍵入“名稱”及“地區”



檢視所有設定



Final 儲存空間建立完成



高等教育深耕計畫

跨院系學程

智慧生活技術與應用學程

AWS Educate 教師使用流程

學程老師

謝佳奮

助理教授

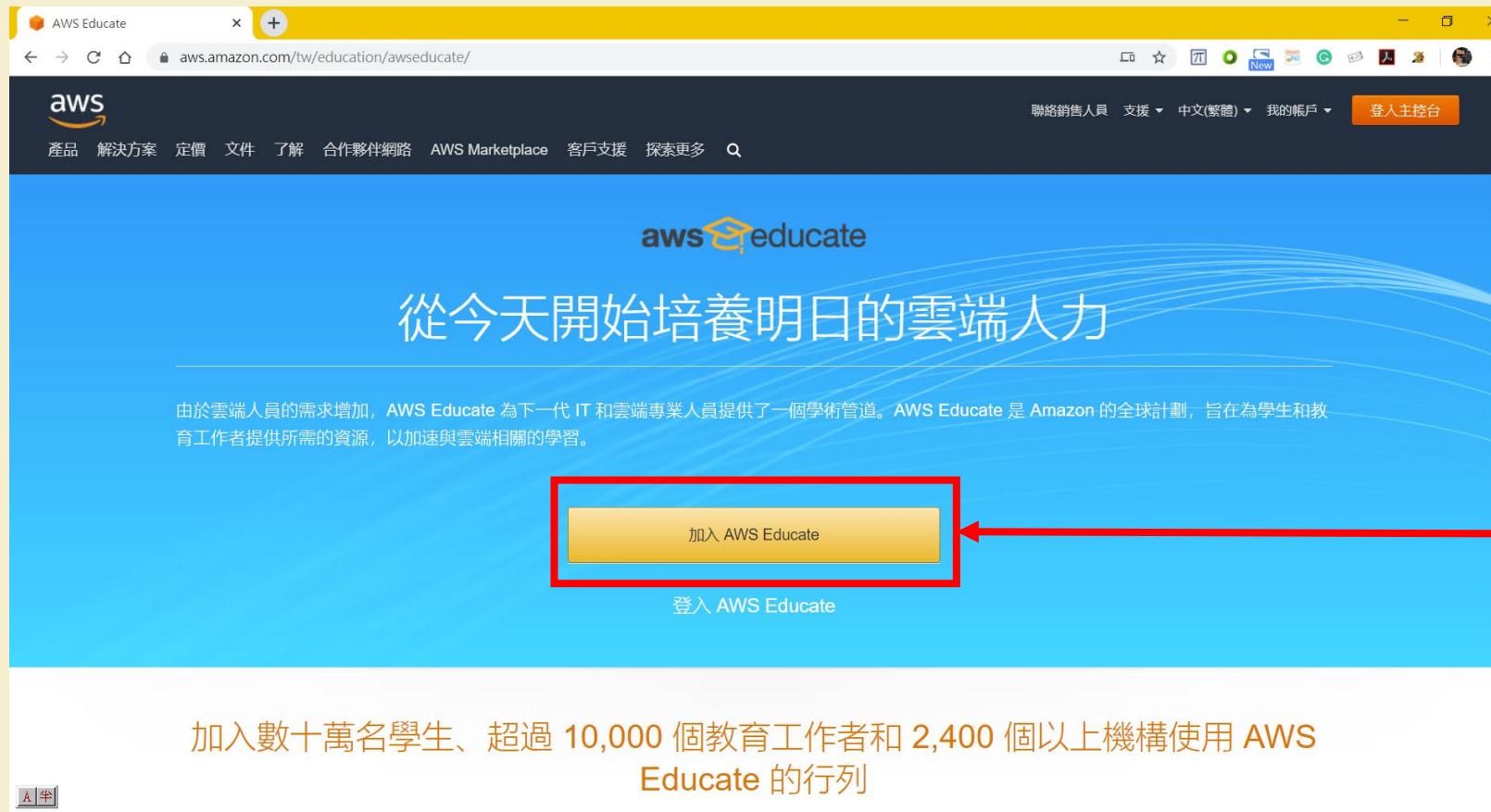
Date: 2021/12/13



申請頁面

智慧生活技術與應用學程

- 申請網址
- <https://aws.amazon.com/tw/education/awseducate/>



點加入AWS Educate
注意：
此Program跟原生
AWS的帳號不能共用

申請步驟-選擇身份

智慧生活技術與應用學程

The screenshot shows the AWS Educate registration interface. At the top, the URL is https://www.awseducate.com/registration#APP_TYPE. The main heading is "Step 1/3: Choose your role". On the right, there is a "Preferred Language" dropdown set to "English". Below the heading, there are five options: "Student", "Educator", "US Veteran", "Institution", and "Company/Recruiter". Each option has an icon and a corresponding orange button. The "Educator" option is highlighted with a red box and a red arrow pointing to its orange button, indicating it should be selected.

Please note that any personal information you provide will be treated in accordance with the [AWS Educate Terms and Conditions](#) and [AWS Privacy Notice](#).

申請步驟-輸入申請資料(1)

智慧生活技術與應用學程

 [Apply to join AWS Educate](#)

Step 2/3: Tell us about yourself

Preferred Language: English ▾

School or Institution Name: Chaoyang University of Technology ● Taiwan

City (Where your school is located): Taichung

First Name: 英文名

Department: 系所名稱(可選擇類似即可)

Email Address: 請填入學校email，結尾需為 @cyut.edu.tw ● Professor, Associate Professor, etc...

申請步驟-輸入申請資料(2)

智慧生活技術與應用學程

Graduate (碩士或非大學部)

Ungraduate-intro Course (大學入門課程)

Ungraduate-Adv Course(大學進階課程)

請填入課程網址(可至下面網址查詢課程
後，進入英文頁面貼上即可)

<https://admin.cyut.edu.tw/crsinfo/>

Please input a URL on the institution's website where we can verify that you teach at that institution. If that is not available, please send additional information or an alternate means for us to verify.

請填入課號與英文課名(可至下面網址查詢)

<https://admin.cyut.edu.tw/crsinfo/>

You must list the name of a valid course that you are teaching this year for us to review, in order to receive an educator grant.

Specialty

Promo Code (optional)



[Frequently Asked Questions](#)

Please click the box below to help assure that a person and not an automated program is submitting this application. If a set of letters is displayed enter them on the line. If you have any difficulty with the letters, you can click the reload icon to get a new set of letters, or click the headphones to hear audio of what to enter.

我不是機器人

reCAPTCHA
隱私權 - 條款

點擊打v處

NEXT

點擊NEXT

Please note that any personal information you provide will be treated in accordance with the [AWS Educate Terms and Conditions](#) and [AWS Privacy Notice](#)

申請步驟-進行信箱驗證

智慧生活技術與應用學程

Email Verification - AWS Educate Application 收件匣 × cfhsieh@cyut.edu.tw × Email 認證的信件

AWS Educate Support <support@awseducate.com> 2018年12月6日 週四 上午11:49 ☆ ←
寄給 cfhsieh@cyut.edu.tw ↓

文 英文 ↓ > 中文（繁體） ↓ 翻譯郵件 關閉下列語言的翻譯功能：英文 ×

Hello Chia Fen,

Thank you for submitting your AWS Educate application!

In order for your AWS Educate application to be processed, we need to verify your email address. Please use the verification URL below to confirm your email address, review the AWS Educate program terms and conditions, and complete the application process.

<https://www.awseducate.com/ConfirmEmail?ref=3764daefdcf405b32c59b4cb0b5abaac>

點擊連結進行認證

Thank you,

The AWS Educate Team

申請步驟-申請通過通知

智慧生活技術與應用學程

AWS Educate Application Approved  收件人: cfhsieh@cyut.edu.tw > 申請通過通知

AWS Educate Support <support@awseducate.com>
寄給 cfhsieh@cyut.edu.tw

2018年12月6日 週四 下午1:14 ☆ ⌂ :

英文 中文（繁體） 翻譯郵件 關閉下列語言的翻譯功能：英文 ×

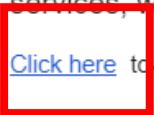
Dear Chia Fen,

Congratulations!

Your AWS Educate application has been approved. As a member of the AWS Educate program, you will gain access to the benefits listed below:

AWS Educate Educator Collaboration Portal (ECP)

The ECP is the hub for AWS Educate educators around the world to find great content on cloud computing, learn about the program, and interact. [Click here](#) to set your password and login to the ECP for the first time. Your username is your email address. After logging in, click AWS Account at the top of the page to access AWS services, whether you entered an AWS ID or selected Starter Account on your application. Note that Starter Accounts are not eligible for AWS Free Tier.

[Click here](#) to  access the ECP directly in the future after updating your password.  點擊進行密碼設定

AWS Promotional Credit

It's our pleasure to issue you an Amazon Web Services (AWS) promotional credit code in the amount listed below.

Credit Amount (US): \$75.00
Credit Code: 

Here's how to redeem your promotional credit:

- Step 1: Visit: <https://console.aws.amazon.com/billing/home#/credits>
- Step 2: Follow the instructions and enter your promo code.

Free AWS Essentials and 50% discount on Instructor-Led Training

To access our [Instructor-Led Technical Essentials](#) online learning class for free, get your 50% discount on Instructor-Led Training, and find many other self-paced labs, first sign into your AWS account.

 高等教育深耕計畫

登入頁面

智慧生活技術與應用學程

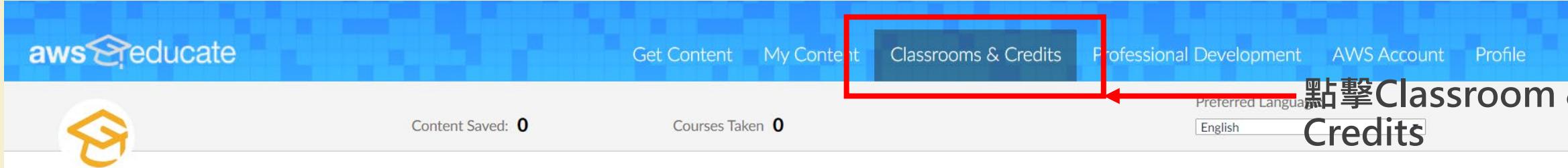
- 登入網址
- <https://aws.amazon.com/tw/education/awseducate/>



點擊登入AWS Educate
注意：
此Program跟原生
AWS的帳號不能共用

申請虛擬課程(1)

智慧生活技術與應用學程

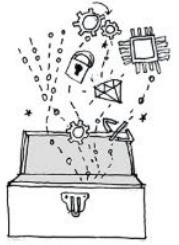


The screenshot shows the AWS Educate dashboard with a blue header bar. The header includes the AWS Educate logo, navigation links for 'Get Content', 'My Content', 'Classrooms & Credits' (which is highlighted with a red box and has a red arrow pointing to it from the text '點擊 Classroom & Credits'), 'Professional Development', 'AWS Account', and 'Profile'. Below the header, there's a user profile icon, 'Content Saved: 0', 'Courses Taken 0', and language settings ('Preferred Language: English').

點擊 Classroom & Credits

Classrooms, Promotional Credits & Tools

Get your class up and running quickly on AWS with tools to help you set up cloud assignments and class cloud infrastructure. Check out the AWS Educate LMS integration option, class promotional credit request, cloud tools for the classroom, and tutorials to get your students started on AWS in 10 minutes.



 Request or go to an AWS Educate Classroom

Request or access your AWS Educate Classrooms. Follow a simple 3-step process to get started and provide your students with free and easy access to the AWS Console for homework, labs, and projects.

 Request Credits for Your Class

AWS Educate provides an option for educators at member institutions to request a centralized AWS Promotional Credit code granting free usage to support setting up shared resources for homework, labs, and projects.

點擊申請虛擬課程

申請虛擬課程(2)

智慧生活技術與應用學程

aws Educate

Get Content My Content Classrooms & Credits Professional Development AWS Account Profile

Content Saved: 0 Courses Taken 0 Preferred Language: English

Request an AWS Educate Classroom

Use AWS Educate Classrooms ("Classrooms") to set up a hands-on learning environment for your students to apply and practice on AWS. You can request a classroom in three steps:

Step 1: select from pre-built Classrooms in our most in-demand topics, including: Building Scalable Architectures using AWS, Cloud Basics, AWS Cloud9, and Big Data & Analytics, Machine Learning & Artificial Intelligence (including Amazon SageMaker), and Serverless Applications.

Step 2: Enter classroom detail such as course description, numbers of students, and request an allocation of AWS Promotional Credits for students.

Step 3: Upload a list of email address to invite students to join the Classroom, monitor usage and view activity.

* indicates a required field.

Go to my classrooms

Learn more

FAQs

New! Updates to Classrooms ⚡

向下拉

申請虛擬課程(3)

智慧生活技術與應用學程

1 Select Classroom Template (maximum 3)

AWS Cloud Basics ✓Selected
Services enabled: EC2, S3, RDS, Cloud9, CloudFormation, Tag

Use the AWS Cloud Basics to introduce students to fundamentals of AWS and to cloud computing concepts. Student can get their first Linux instance up in the cloud with EC2, store and access file to create a static web site using S3, create and connect Read more

Big Data
Services enabled: EC2, Athena, DynamoDB, EMR, Glue, RDS, S3, Cloud9, CloudFormation, Tag

Teach big data applications such as clickstream analytics, fraud detection, recommendation engines, event-driven ETL, and internet-of-things processing with the Big Data template. Easily provision EMR clusters for Hadoop, Spark, and other big data structures for Windows, Scala, and other big data. Read more

Machine Learning and AI
Services enabled: Machine Learning, Rekognition, Lex, Polly, Comprehend, Translate, Transcribe, SageMaker, DeepLens, IOT Core, IOT GreenGrass, Cloud9, CloudFormation, Tag

Build a chatbot, access voice services with Lex and Polly, use image Rekognition, or use sophisticated machine learning models tools like MNIST and TensorFlow. Read more

Building Scalable Websites
Services enabled: EC2, S3, RDS, ELB, Cloud9, CloudFormation, Tag

Introduce students to building and hosting scalable, elastic websites on AWS. Use EC2 for compute, S3 to store site content, and ELB to dynamically scale based on demand.

Serverless Computing
Services enabled: Lambda, API Gateway, S3, DynamoDB, Cloud9, CloudFormation, Tag

Get students started with serverless computing using lambda on AWS for web applications, backends, and data processing apps. Serverless applications don't require students to provision, scale, and manage any servers and can be built for nearly any type of function. Read more

RoboMaker
Services enabled: RoboMaker, Lambda, API Gateway, Kinesis Analytics, Kinesis, EC2, S3, Lex, Polly, DynamoDB, Cloud9, Cloudformation, Tag

Learn the fundamentals of robotics development using AWS RoboMaker, then deploy capabilities to your own robots. RoboMaker extends ROS with connectivity to cloud services, provides a cloud-based interface for robot management, and integrates with AWS services for data processing and analysis. Read more

2 Enter Classroom Details

Next

選擇範本，最多可以選擇三種。
該選擇不會影響可以使用的功能。

選完點Next

申請虛擬課程(4)

智慧生活技術與應用學程

2 Enter Classroom Details

* Course Name

請填入英文課名

* Course Number

請填入課號

* Course Description

請填入英文課程簡介

* Course Info Link

請填入英文課程資訊網址

Would you be interested in contributing some or all of your course content?

如要分享課程內容可勾選 (非必要)

本頁填入資料請善用下面網址查詢
<https://admin.cyut.edu.tw/crsinfo/>

* Course Start Date

開課日期

* Course End Date

結束日期

* Credit Amount Requested Per Student

給學生使用的credit，建議用預設的50美金

* Estimated Enrollment

課程學生數量

3 Upload a List of Email Addresses

Next

點Next

申請虛擬課程(5)

智慧生活技術與應用學程

3 Upload a List of Email Addresses

Step 1: Download the template.
[Download Email Address Upload Template](#)

Step 2: Update the template.

Step 3: Select a file to upload by clicking 'Choose File'.

選擇檔案

選擇檔案

Any information you upload is "Content" covered by the AWS Educate Terms & Conditions. In submitting any personal information, you represent that you obtained and are providing such information in accordance with applicable law, including applicable data protection and privacy laws.

Note: Classrooms are managed by a third-party content and service provider, Vocareum ("Third-Party Content Provider"), and use of the Classroom feature is governed by the Third-Party Content Provider's terms and conditions (including its Privacy Policy) in addition to the AWS Educate Terms & Conditions. The Third-Party Content Provider may allow you to view your students' Classroom account and activity, including the AWS console in your students' Classroom account, the number of EC2 instances running and any Content running in the services, and your students' access activity. If you have questions regarding the Classroom feature, you should contact the Third-Party Content Provider at help.vocareum.com.

Submit

點Submit送出

審核通過信件(一般需要1~5個工作天)

智慧生活技術與應用學程

Your AWS Educate Classroom has been created 附件匣 ×

AWS Educate Support <support@awseducate.com>
寄給 cfhsieh@cyut.edu.tw ▾

文 英文 ▾ > 中文（繁體） ▾ 翻譯郵件

Dear Chia Fen Hsieh,

Your AWS Educate Classroom has been provisioned. **The class is currently inactive and students CANNOT access it.**

Log in to AWS Educate to view it. You can activate the classroom when it's ready for student access.

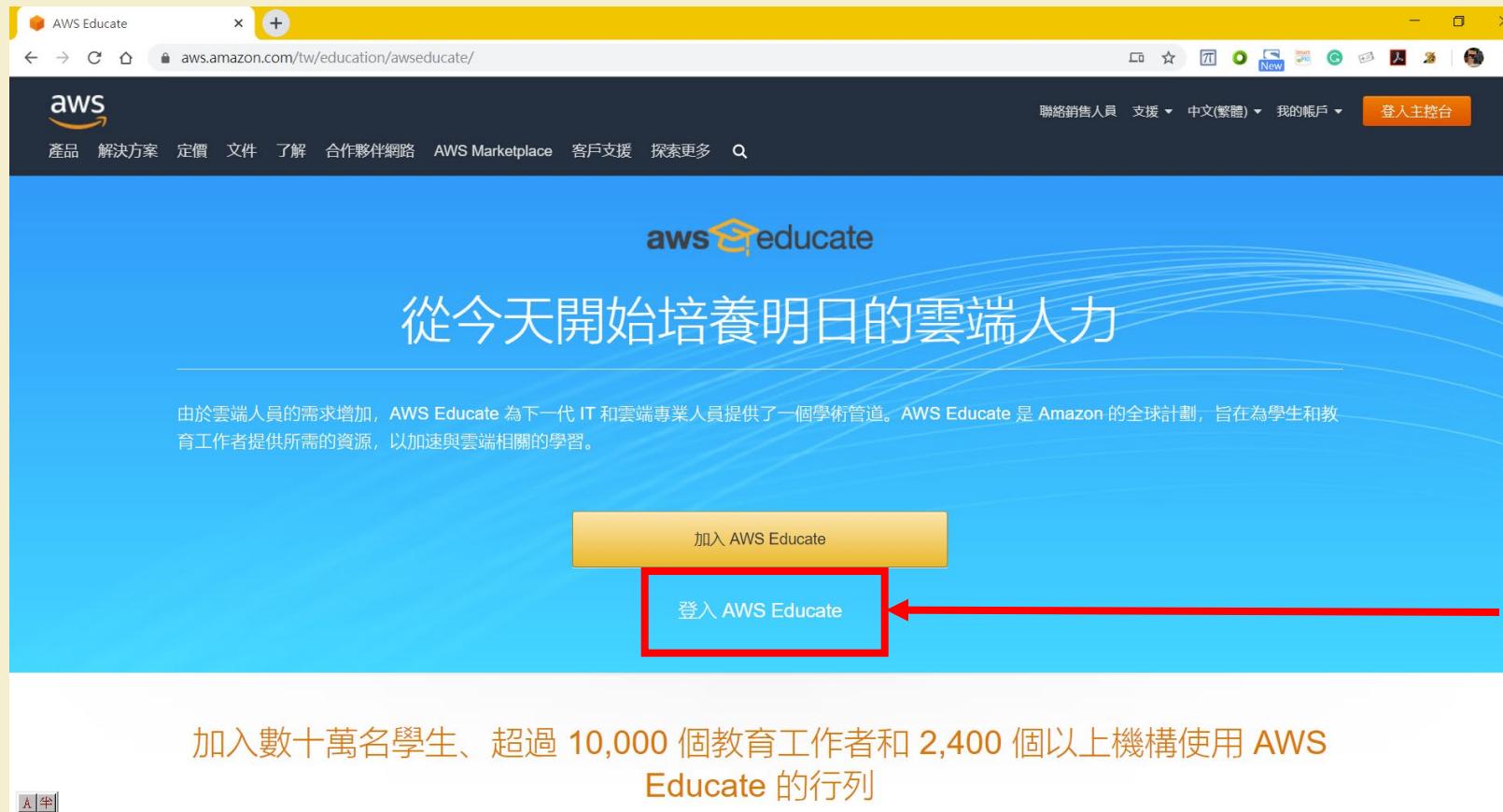
The AWS Educate Team

審核通過

登入頁面

智慧生活技術與應用學程

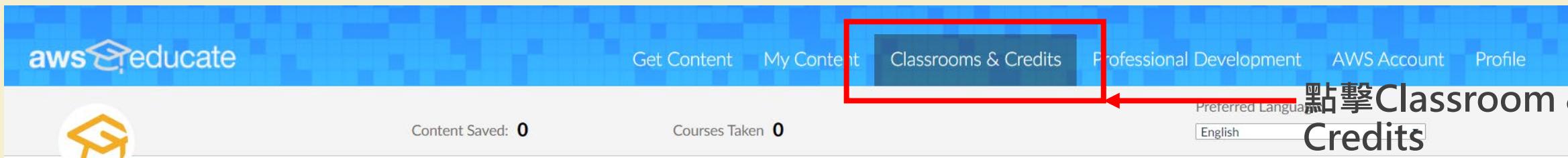
- 登入網址
- <https://aws.amazon.com/tw/education/awseducate/>



點擊登入AWS Educate
注意：
此Program跟原生
AWS的帳號不能共用

進入虛擬課程(1)

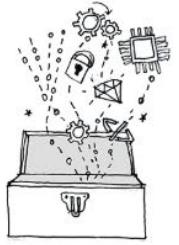
智慧生活技術與應用學程



點擊 Classroom & Credits

Classrooms, Promotional Credits & Tools

Get your class up and running quickly on AWS with tools to help you set up cloud assignments and class cloud infrastructure. Check out the AWS Educate LMS integration option, class promotional credit request, cloud tools for the classroom, and tutorials to get your students started on AWS in 10 minutes.





Request or go to an AWS Educate Classroom

Request or access your AWS Educate Classrooms. Follow a simple 3-step process to get started and provide your students with free and easy access to the AWS Console for homework, labs, and projects.



Request Credits for Your Class

AWS Educate provides an option for educators at member institutions to request a centralized AWS Promotional Credit code granting free usage to support setting up shared resources for homework, labs, and projects.

進入虛擬課程(2)

智慧生活技術與應用學程

The screenshot shows the AWS Educate homepage. At the top, there's a navigation bar with links: Get Content, My Content, Classrooms & Credits, Professional Development, AWS Account, and Profile. Below the navigation bar, there's a user profile icon (a graduation cap), and status indicators: Content Saved: 0 and Courses Taken: 0. To the right, there's a dropdown for Preferred Language set to English. The main content area has a heading 'Request an AWS Educate Classroom'. Below it, a text block explains how to use AWS Educate Classrooms to set up a learning environment for students, mentioning three steps: Step 1 (selecting pre-built classrooms), Step 2 (entering classroom details), and Step 3 (uploading student email addresses). A red box highlights the 'Go to my classrooms' button. To the right of the main content, there are three additional sections: 'Learn more', 'FAQs', and 'New! Updates to Classrooms' with a lightning bolt icon. The 'Go to my classrooms' button is also labeled with the text '進入虛擬課程'.

aws educate

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[Go to my classrooms](#)

Learn more

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進入虛擬課程

進入虛擬課程(3)

智慧生活技術與應用學程

aws  educate

Get Content My Content Classrooms & Credits Professional Development AWS Account Profile

Content Saved: 0 Courses Taken: 0 Preferred Language: English

My Classrooms

Check on the status of your Classroom requests or go to your Classroom. Click on a Classroom name to view the details you provided in your request.



Classrooms where I am an Educator

要先點選 **Activate** 按鈕
才會變成下面的按鈕

Course Name	Request Date	Course Number	Start Date	Credit Allocated Per Student	# Invited Students	# Students Joined	Status
Cloud Computing	12/06/2018	2597	12/07/2018	\$50	60	51	Go to classroom 
Virtualization Technology for Cloud Computing	04/29/2019	2627	02/27/2019	\$50	65	49	Go to classroom 

進入虛擬課程(4)

智慧生活技術與應用學程

aws  educate

Content Sa

My Classrooms

Check on the status of your Classroom requests.

Classrooms where I'm Invited

Course Name	Request Date	Course Number	Start Date	Creator	Enrolled	# Students	Status
Course A	2023-09-01	CN12345	2023-09-15	Vocareum	10	10	Pending Approval
Course B	2023-09-05	CN23456	2023-09-20	Vocareum	15	15	Approved
Course C	2023-09-10	CN34567	2023-09-25	Vocareum	20	20	Pending Approval

Go to Classroom

Clicking "Continue" will take you to a site managed by third-party content and service provider, Vocareum ("Third-Party Content Provider").

In addition to the AWS Educate Terms & Conditions, your use of the Classroom feature is governed by the Third-Party Content Provider's terms and conditions, including its Privacy Policy.

If you have questions regarding the Classroom feature, you should contact the Third-Party Content Provider at <https://help.vocareum.com/>.

AWS assumes no responsibility or liability and makes no representations or warranties regarding services provided by the Third-Party Content Provider.

Continue Cancel

點 **Continue**

注意：
此處會另開視窗，請確認自己的瀏覽器沒有封鎖彈跳視窗。

進入虛擬課程(5)

智慧生活技術與應用學程

① 點My Classes

The screenshot shows the Vocareum platform interface. At the top, there is a navigation bar with icons for Home, My Classes (which is highlighted with a red box), Manage, Help, and an envelope icon. The email address 'cfhsieh@cyut.edu.tw' is also visible. Below the navigation bar, there is a section for 'Cloud Computing (Ends - Jan 31 2019)'. A dropdown menu titled 'Select' is open under 'My Classes', listing four items: 1. 50 Sample Python Assignments, 2. Information Security, 3. Multimedia Technologies for Ne.., and 4. Cloud Computing (which is also highlighted with a red box). To the right of the dropdown, there are tabs for 'Dashboard' and 'Analytics'. On the far right, there is a 'Summary' button.

Cloud Computing (Ends - Jan 31 2019)

AWS Educate Classroom

Select Student

② 選擇要進入的課程

進入虛擬課程(6)

智慧生活技術與應用學程

vocareum

Welcome to AWS Educate Classroom Account

Use your AWS Educate Classroom Account to access to a wide variety of AWS Services and start building!
Click on the AWS Console button to sign in and get started.

- What regions can I use with a Classroom Account?
- Are Service Linked Roles supported?
- I can't start any resources. What happened?
- Can I create users within my Classroom Account for others to access?
- Can I create my own IAM policy within Starter Account or Classroom?
- How can I use IAM roles within AWS services?

Home My Classes Manage Help

cfhsieh@cyut.edu.tw

Your Classroom Account Status



Active

full access ()



\$50

remaining credits (estimated)



2:60

session time

Account Details

AWS Console

點AWS Console



注意：
此處會另開視窗，請確認自己的瀏覽器沒有封鎖彈跳視窗。

進入虛擬課程(7)

智慧生活技術與應用學程

AWS 管理控制台

AWS 服務

尋找服務
您可以輸入名稱、關鍵字或縮寫。

例如 : Relational Database Service 、資料庫 、 RDS

▼ 最近瀏覽的服務

 IoT Analytics  EMR  Amazon Polly

 Athena  EC2

在外出時存取資源

 使用 AWS 主控台行動應用程式存取管理主控台。 [進一步了解](#)

探索 AWS

Amazon Redshift

快速、簡單、經濟實惠的資料倉儲服務，可將查

此頁面即為AWS的管理控制頁面，可供測試功能
注意：
功能權限有些限制，並非完全跟AWS原生功能相同。
但操作方式與功能相同。
可使用功能可以參考
https://s3.amazonaws.com/awseducate-starter-account-services/AWS_Educate_Starter_Accounts_and_AWS_Services.pdf

有問題歡迎與我 聯絡討論

謝佳奮  | Cloud Ambassador
cfhsieh@gm.cyut.edu.tw





AWS Educators Meet up!

歡迎加入Line群組

有任何問題歡迎入內討論！