

AWS Educate 平台介紹

什麼是AWS EDUCATE?



AWS Educate 是一套完整的**線上學習**雲端課程平台，促進雲端學習並為培養**下一代雲端為基礎的科技人才**做準備。

AWS Educate 12+ 2 雲端就業途徑

- 25-50小時詳細教材，包含文章，影片，實際操作，考試及 final project
- 可獲得專業的AWS Educate結業證書和徽章



Aws educate

Cloud Computing 101
Take a crash course on the cloud, its history, solutions, and why companies across the globe are looking for employees with AWS cloud expertise.

Machine Learning Scientist
Curious how artificial intelligence and predictive modeling are used to create dynamic experiences? Learn more about becoming a Machine Learning Scientist.

Data Scientist
Curious how discovering patterns in large data sets can translate into new business strategies? Learn more about how Data Scientists do this every day.

Application Developer
Curious how App Developers design, test, and improve engaging web and mobile applications in the cloud? Learn more about becoming an Application Developer.

Cloud Support Associate
If you're excited by the future of cloud computing and enjoy working directly with customers, learn more about becoming a Cloud Support Associate.

Cloud Support Engineer
Interested in multiple technologies and working with companies to support AWS cloud solutions? Learn more about becoming a Cloud Support Engineer.

DevOps Engineer
If you like working behind the scenes to tackle challenges and are curious about skills like scripting and coding, learn more about becoming a DevOps Engineer.

Software Development Engineer
If you're a builder who wants to learn more about using software engineering principles to design original applications, explore the skills you'll need.

Solutions Architect
Curious how Solutions Architects deliver strategic, scalable AWS cloud infrastructures to their customers? Learn more about the skills they use every day.

Web Development Engineer
If you're interested in developing innovative web experiences through software design and programming, learn more about the skills you'll need.

- 應用程式開發人員
- 雲端支援人員
- 雲端支援工程師
- 網路安全專家
- 數據整合專家
- 數據科學家
- DevOps工程師
- 人工智能/機器學習
- 軟體開發工程師
- 解決方案架構師
- 網站開發工程師

針對大數據分析有興趣的學生

主題：

- 大數據
- 關聯式與非關聯式資料類型
- 程式設計和指令碼語言
- 作業系統
- 虛擬化

評量：

- 知識測驗 (3 到 5 個問題)
- 最終測驗
- 作業

對象：

- 此調查課程的目標對象是有興趣了解雲端主題、對 AWS 不太熟悉的個人。

時間長度：

- 30 到 40 個小時

▼ 資料與資料庫：大數據

📖 資料庫：大數據介紹

📖 資料庫：大數據概述

📖 資料庫：大數據分析

📖 資料庫：大數據架構

📖 資料庫：大數據與 HPC

📖 資料庫：大數據與視覺化

📖 資料庫：大數據與串流

▼ 資料與資料庫：結構、關聯式和非關聯式

📖 資料庫：資料結構

📖 資料庫：資料倉儲與資料湖

📖 資料庫：非關聯式

📖 軟體開發：程式設計 - C、C#、C++

📖 軟體開發：程式設計 - .NET

📖 軟體開發：程式設計 - Java

📖 軟體開發：程式設計 - Python

📖 軟體開發：指令碼編寫 - CLI

📖 軟體開發：指令碼編寫 - Javascript

📖 軟體開發：指令碼編寫 - PHP

📖 軟體開發：指令碼編寫 - Powershell

📖 軟體開發：指令碼編寫 - Ruby

針對資安風險有興趣的學生

Course to learn how to keep user information safe in the cloud, including network protocols, coding, and risk identification and management.

The image shows a grid of AWS Skill Builder course cards. The 'Cybersecurity Specialist' card is highlighted with a red border. Other visible cards include 'Cloud Computing 101', 'Application Developer', 'Cloud Support Associate', 'Cloud Support Engineer', 'Data Scientist', 'DevOps Engineer', 'Machine Learning Scientist', 'Software Development Engineer', 'Solutions Architect', and 'Web Development Engineer'. Each card contains an icon, a title, a brief description, and buttons for 'CONTINUE', 'LANGUAGE', 'START', and 'LEARN MORE'.

您將檢驗使用 AWS 雲端的安全和合規優勢。您將探索 AWS 的存取控制和存取管理功能。此外，您將檢閱基本步驟，以確保強力監管您的 AWS 資源。 [按一下這裡以開始使用！](#)

主題：



- AWS 共同安全責任模型
- 網路安全
- 存取控制和管理
- 加密
- 安全記錄和監控

評估：



- 知識測驗 (3 至 5 個評估項目)
- 最終測驗
- Project

收信對象：










- 本調查主要針對有興趣了解安全主題的對象，且這些對象可能不大了解 AWS。

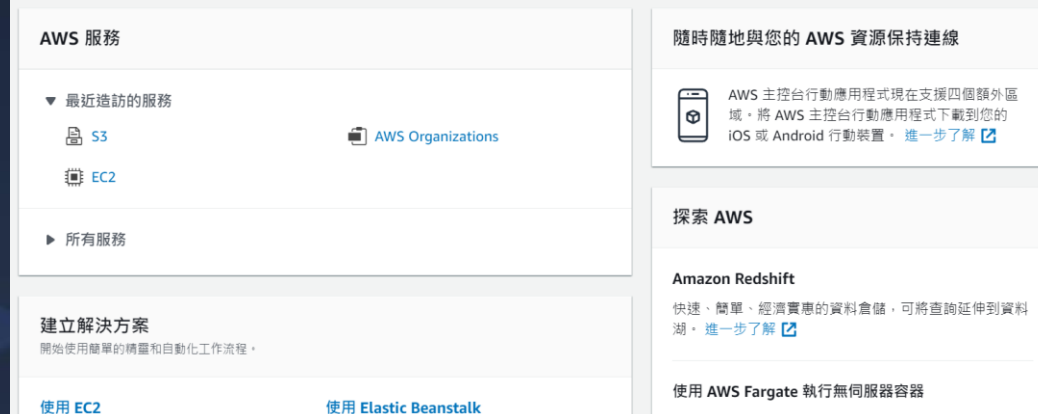
持續時間：

- 30 至 40 小時

7種核心服務的實作練習

-  **Lab 1 - Introduction to Amazon S3**
100 pts | Score at least 70.0
-  **Lab 2 - Introduction to Amazon EC2**
100 pts | Score at least 70.0
-  **Lab 3 - Introduction to Amazon DynamoDB**
100 pts | Score at least 70.0
-  **Lab 4 - Introduction to Amazon Relational Database Service (Amazon RDS)**
100 pts | Score at least 70.0
-  **Lab 5 - Introduction to Amazon Virtual Private Cloud (Amazon VPC)**
100 pts | Score at least 70.0
-  **Lab 6 - Introduction to AWS Identity and Access Management (IAM)**
100 pts | Score at least 70.0
-  **Lab 7 - Hosting a Static Website Using Amazon Simple Storage Service (Amazon S3)**
100 pts | Score at least 70.0

AWS 管理主控台



The screenshot shows the AWS Management Console interface. On the left, there's a navigation pane with 'AWS 服務' (AWS Services) and '最近造訪的服務' (Recently visited services) including S3 and EC2. Below that are '所有服務' (All services), '建立解決方案' (Build solutions), and buttons for '使用 EC2' and '使用 Elastic Beanstalk'. On the right, there's a sidebar with '隨時隨地與您的 AWS 資源保持連線' (Stay connected to your AWS resources anytime, anywhere) and '探索 AWS' (Explore AWS) section featuring 'Amazon Redshift' and '使用 AWS Fargate 執行無伺服器容器' (Use AWS Fargate to run serverless containers).

Build your Amazon Web Services skills with hands-on-labs.

Lab 1 - Introduction to Amazon S3

In this self-paced lab, you will practice using the basic feature functionality of Amazon S3 using the console. This lab requires approximately 60 minutes to complete.

After completing this lab, you will know how to:

- Create a bucket in Amazon S3
- Add an object to a bucket
- Manage access permissions on an object and a bucket
- Create a bucket policy
- Use bucket versioning

也可至 AWS 官網 找尋更多實作教學應用 (或直接搜尋 aws 實作)

<https://aws.amazon.com/tw/getting-started/hands-on/>

選擇想要實作的類別



內容學習請選擇“實作”，初階使用者建議選擇雲端等級100



尋找適合您 AWS 需求的實作教學

透過逐步教學開始，以啟動您的第一個應用程式

篩選條件 [全部清除](#)

類別

- 容器
- 運算
- 資料庫
- 開發工具
- Machine Learning
- 行動應用程式
- 無伺服器
- 儲存
- 帳戶管理

雲端等級

- 100
- 200
- 300

內容類型

- 實作
- 影片

搜尋

MACHINE LEARNING

實作

訓練深度學習模型

在本教學中，您將使用 AWS Deep Learning Containers 在 Amazon EC2 執行個體訓練 TensorFlow 機器學習模型。

10 分鐘

MACHINE LEARNING **免費方案**

實作

偵測、分析和比較臉部

在本教學中，您將學習如何透過 AWS 主控台，使用 Amazon Rekognition 的臉部辨識功能。

10 分鐘

MACHINE LEARNING

實作

使用 Amazon SageMaker...

了解如何使用 Amazon SageMaker Autopilot 和 Amazon SageMaker Studio，在 10 分鐘內自動建立擁有定數

10 分鐘

MACHINE LEARNING **免費方案**

實作

將語音新增到 WordPress 網站

將文字轉換語音功能新增至安裝的 WordPress。

10 分鐘

MACHINE LEARNING **免費方案**

實作

分析文字人氣

了解如何使用 Amazon Comprehend 進行人氣分析。

10 分鐘

MACHINE LEARNING **免費方案**

實作

建立 AWS DeepLens 專案

使用 AWS DeepLens 建立和部署您的第一個深度學習模型。

10 分鐘

更多學習資源

- AWS Workshop from Home:

<https://aws.amazon.com/tw/webinars/tw-webinar-series/>

- AWS Online Learning:

<https://pages.awscloud.com/digital-learning-training-certification.html>

- Initiate e-Learning Series:

<https://access.awscloud.com/initiate-elearning-series>

- AWS自主進度實驗室：

<https://aws.amazon.com/tw/training/self-paced-labs/>

