



科技系列課程

# AWS雲計算實務班第01期

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科技系列課程

## 第十三章

# AWS的成本分析及帳單管理

# 第十三章 AWS的成本分析及帳單管理

- AWS Billing & Cost Management Dashboard
- Organizations服務
- Root與Organization 的關係



科技系列課程



# AWS Billing & Cost Management Dashboard



步驟13-1-1：連線至 <https://aws.amazon.com/tw/> 登入主控台

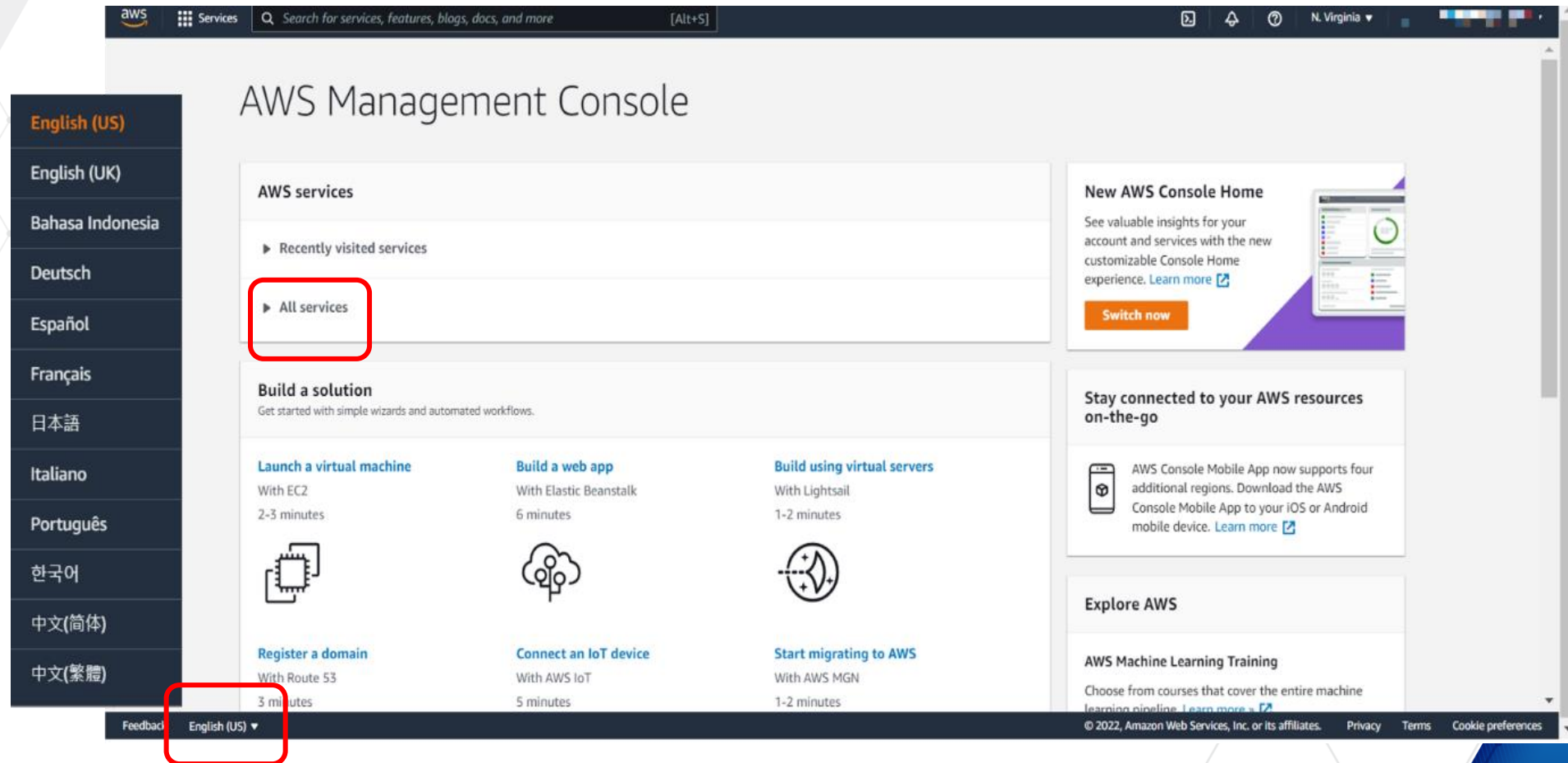


圖13-1-1 ( a )





## 步驟13-1-1：使用英文AWS Management Console，展開All services



語系設定位置已變更，修正請參考下圖。





圖13-1-1 ( b )



Step1：找到今天所要使用的AWS Cost Expoler工具

Search results for 'cost'

**Services** [Show more](#)

-  **Billing and Cost Management** ☆  
View and pay bills, analyze and govern your spending, and optimize your costs
- Top features**  
[Bills](#) [Payments](#) [Cost Explorer](#) [Budgets](#) [Account](#)
-  **AWS Compute Optimizer** ☆  
Recommend optimal AWS Compute resources for your workloads
-  **AWS Well-Architected Tool** ☆  
Use AWS Well-Architected Tool to learn best practices, measure, and improve your w...
-  **Trusted Advisor** ☆  
Optimize Performance and Security



點選右上角account id，點選Settings，點選English(US)，點選Save

The screenshot displays the AWS Management Console interface. At the top, the navigation bar includes the AWS logo, a search bar, and the current region 'N. Virginia'. The right-hand navigation menu lists various account settings, with 'Settings' highlighted. The main content area is divided into two sections: 'Localization and Region' and 'Display'. In the 'Localization and Region' section, the 'Language' dropdown is set to 'English (US)'. The 'Default Region' section allows selecting a default region, with 'Last used Region' currently selected. The 'Display' section shows the 'Favorites bar display' options, with 'Service name and icon' selected. The 'Save' button at the bottom right is highlighted.

https://console.aws.amazon.com/settings/home?region=us-east-1

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語系設定位置已於2022年4月變更，請參考本圖。





# 注意IAM管理

[Billing and Cost Management](#) > [Bills](#)



## You need permissions

You don't have permission to access billing information for this account. Contact your AWS administrator if you need help. If you are an AWS administrator, you can provide permissions for your users or groups by making sure that (1) [this account allows IAM and federated users to access billing information](#) and (2) [you have the required IAM permissions](#).



# 主畫面

**Billing and Cost Management** ×

[Home](#)  
[Getting Started](#)  
**Billing and Payments**  
[Bills](#)  
[Payments](#)  
[Credits](#)  
[Purchase Orders](#)  
**Cost Analysis**  
[Cost Explorer](#)  
[Cost Explorer Saved Reports](#)

## Billing and Cost Management home [Info](#)

**Cost summary** [Info](#)

Month-to-date cost  
**\$20.45**  
- compared to last month for same period

Total forecasted cost for current month  
**\$30.21**  
↑ 1,840% compared to last month's total costs

Last month's cost for same time period  
**\$0.00**  
Sep 1 – 23

Last month's total cost  
**\$1.56**

[View bill](#)

**Cost monitor** [Info](#)

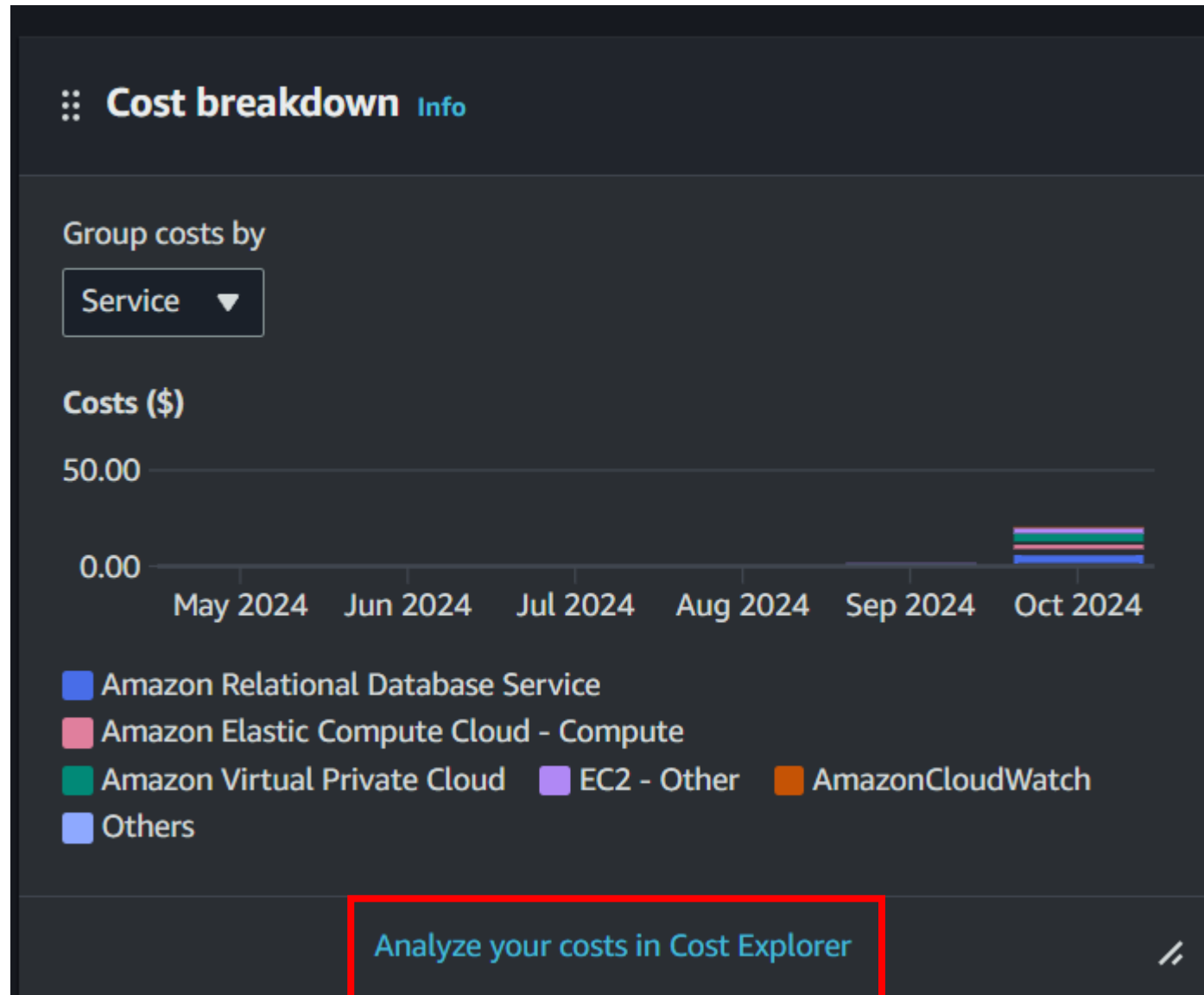
Budgets status  
⊗ **Access denied**

Cost anomalies status (MTD)  
ⓘ **Setup required**  
No monitor created

[Reset layout](#)



# Cost breakdown





Step2：觀察用量，點選 **Bill Details** 檢視更詳細的服務用量並下載資訊





Step3：點選**Cost and usage breakdown**工具，檢視分析AWS用量

Cost and usage breakdown						
Download as CSV						
Find cost and usage data						
Service	Service total	Oct-09*	Oct-10*	Oct-11*	Oct-12*	Oct-13*
Total costs	\$15.19	\$0.80	\$1.11	\$1.11	\$1.11	\$1.11
Relational Database Service	\$6.00	\$0.22	\$0.46	\$0.46	\$0.46	\$0.46
EC2-Instances	\$3.75	\$0.25	\$0.25	\$0.25	\$0.25	\$0.25
VPC	\$3.29	\$0.17	\$0.24	\$0.24	\$0.24	\$0.24
EC2-Other	\$1.77	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14
CloudWatch	\$0.35	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03
DynamoDB	\$0.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
S3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CloudWatch Events	\$0.00	\$0.00	-	-	-	-
CloudFormation	\$0.00	\$0.00	-	-	-	-





## 步驟13-1-6：透過Recently visited Favorites找尋AWS Budget

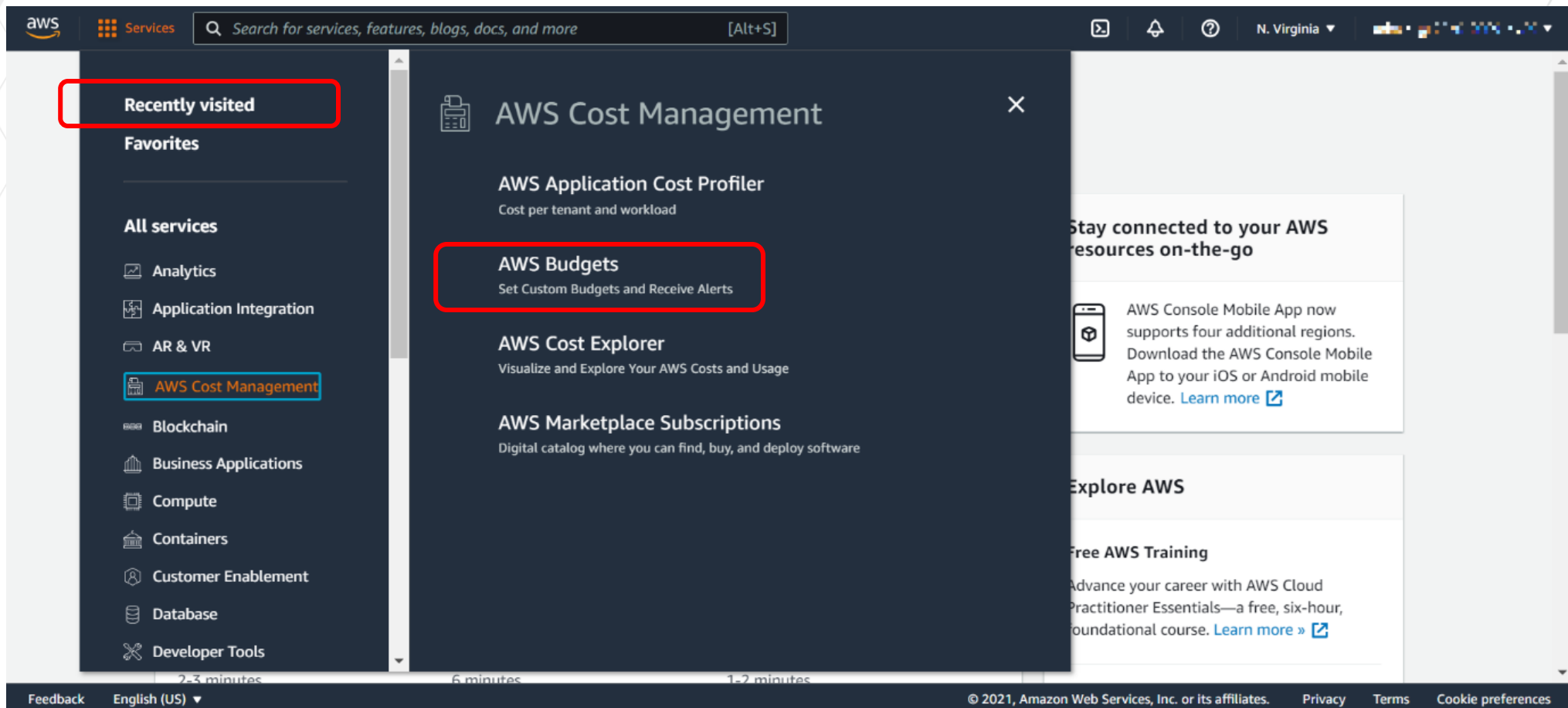


圖13-1-6



# 過濾服務

Cost and usage breakdown							Download as CSV	
<input type="text" value="Find cost and usage data"/>							< 1 > ⚙	
Service	Service total	Oct-09*	Oct-10*	Oct-11*	Oct-12*	Oct-13*		
Total costs	\$9.75	\$0.47	\$0.71	\$0.71	\$0.71	\$0.71		
Relational Database Service	\$6.00	\$0.22	\$0.46	\$0.46	\$0.46	\$0.46		
EC2-Instances	\$3.75	\$0.25	\$0.25	\$0.25	\$0.25	\$0.25		
S3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Lambda	\$0.00	\$0.00	-	-	-	-		

Service Clear

Services included (4) ▼

EC2-Instances (Elastic Compute Cloud - Compute) ✕

Relational Database Service (RDS) ✕

⛶ Show all (+4)

Linked account Clear

Choose linked accounts ▼

Region Clear

Choose regions ▼

Instance type Clear



## Step7：點選Create budget 即可追蹤AWS服務用量及費用 Learner LAb

The screenshot displays the AWS Billing console interface. On the left, a navigation menu lists various billing-related options, with 'Budgets' highlighted in orange. The main content area is titled 'AWS Budgets' and includes a sub-header 'Set custom budgets that alert you when you exceed your budgeted thresholds'. A prominent orange button labeled 'Create a budget' is highlighted with a red rectangular box. Below this, a 'How it works' section shows a four-step process: 'AWS Budgets' (improve planning), 'Create a budget' (customize spend), 'Get alerted' (receive alerts), and 'Respond with actions' (define triggers). To the right, a 'Start tracking your AWS costs and usage' section explains the benefits of creating a budget, with the 'Create a budget' button also appearing here. Further down, there are sections for 'Pricing (US)' and 'Getting started', each with links to view details or get started. The footer contains a 'Feedback' link, a language selector set to 'English (US)', and copyright information for Amazon Web Services, Inc. or its affiliates, along with links for 'Privacy', 'Terms', and 'Cookie preferences'.

圖13-1-7



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