



digiRunner

Version: 4.0

AWS Marketplace

買家指南

v1.3

版本歷程

文件版次	更新日期	版本說明	編輯人員
1.0	2024.3.5	系統版本號 : v4.0.49.1 初始文件	Mark Zhan, Fran Chen
1.1	2024.3.6	<p>【新增】</p> <ul style="list-style-type: none"> 1.2. 網址設定 – 使用 AWS Route 53 7. 疑難排解 <p>【更新】</p> <ul style="list-style-type: none"> 1.1. 準備專用網址 1.1.2. -> 1.3. 網址設定 – 透過第三方網域商購買網址 2.2. digiRunner 搜尋結果 <p>【刪除】</p> <ul style="list-style-type: none"> 1.1.1. 2 種購買網址的情境 	Mark Zhan, Fran Chen
1.2	2024.3.20	<p>【新增】</p> <ul style="list-style-type: none"> 5.1.1. 簡易報表管理 5.1.2. 詳細報表分析 (OpenSearch Dashboard) 5.2.1. 部署架構 - digiRunner Lite 5.2.2. 部署架構 - digiRunner Lite (High Availability) 5.2.3. 部署架構 - digiRunner Enterprise 5.2.4. 部署架構 - digiRunner Enterprise (High Availability) <p>【更新】</p> <ul style="list-style-type: none"> 產品正名 : HA 改為 High Availability 1.2. 網址設定 – 使用 AWS Route 53 2.2. digiRunner 搜尋結果 2.3. digiRunner 產品 : 4 種解決方案 3.1. 地區設定 3.2. 安裝參數 3.5. 安裝完成 4. 登入 digiRunner 5.1. digiRunner 詳細的報表分析 (OpenSearch Dashboard) 5.2. digiRunner 部署架構 (Architecture) 5.2.1. AWS Infrastructure Resources – Pricing 6. 解除安裝 	Mark Zhan, Fran Chen
1.3	2024.3.20	<p>【更新】</p> <ul style="list-style-type: none"> 1.1. 準備專用網址 3.3. 安裝權限 3.5. 安裝完成 4. 登入 digiRunner 5.2.1. 部署架構 - digiRunner Lite 5.2.2. 部署架構 - digiRunner Lite (High Availability) 5.2.3. 部署架構 - digiRunner Enterprise 5.2.4. 部署架構 - digiRunner Enterprise (High Availability) 6. 解除安裝 	Mark Zhan, Fran Chen

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1. 前置作業

1.1. 準備專用網址

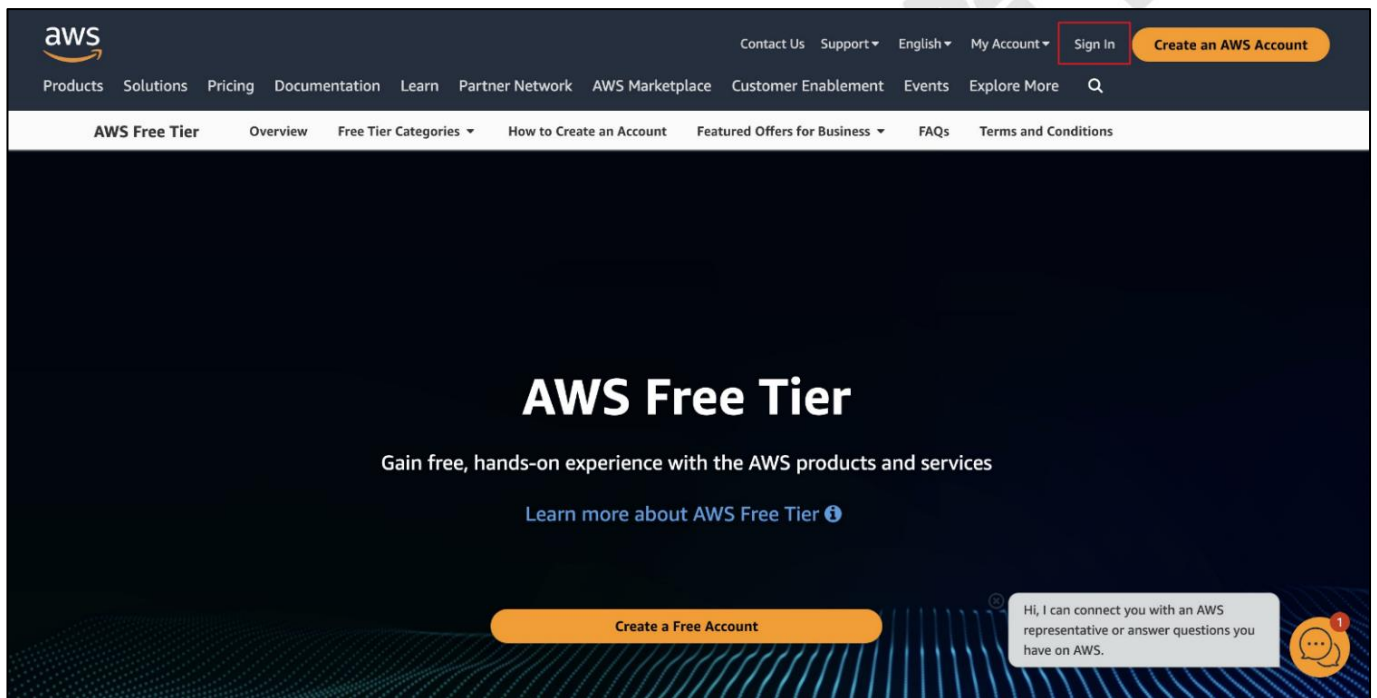
您可於 AWS Route 53 購買一個專用的網址，或透過其他網域供應商購買，例如：HiNet、GoDaddy 等。

注意：如果您已有網域註冊或託管在 Route53，您可直接使用此網域，並跳過以下網址設定的步驟，直接進行[購買流程](#)。

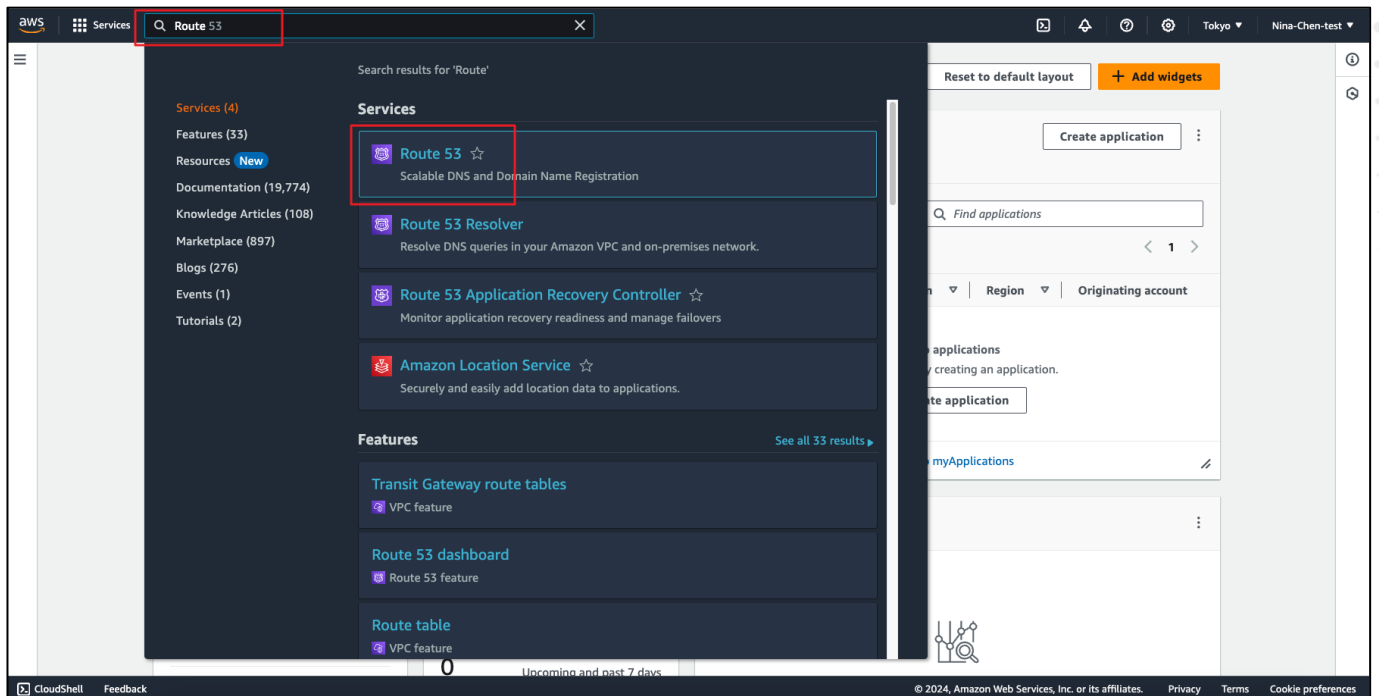
1.2. 網址設定 – 使用 AWS Route 53

1. 前往 AWS 官網，登入您的帳號以造訪 AWS 的管理主控台。

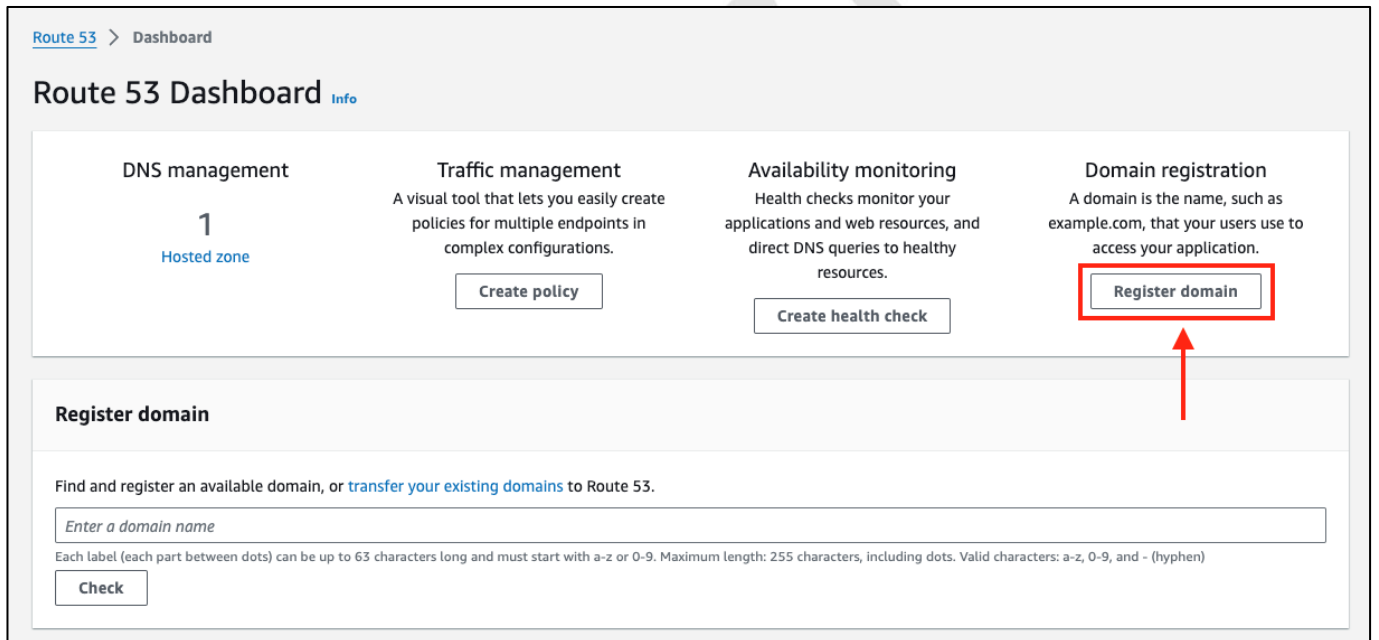
注意：如您尚未註冊 AWS 帳號，請點選 [**Create an AWS Account**] 進行註冊。



2. 搜尋 Route 53，並點選以進入 Route 53 服務。



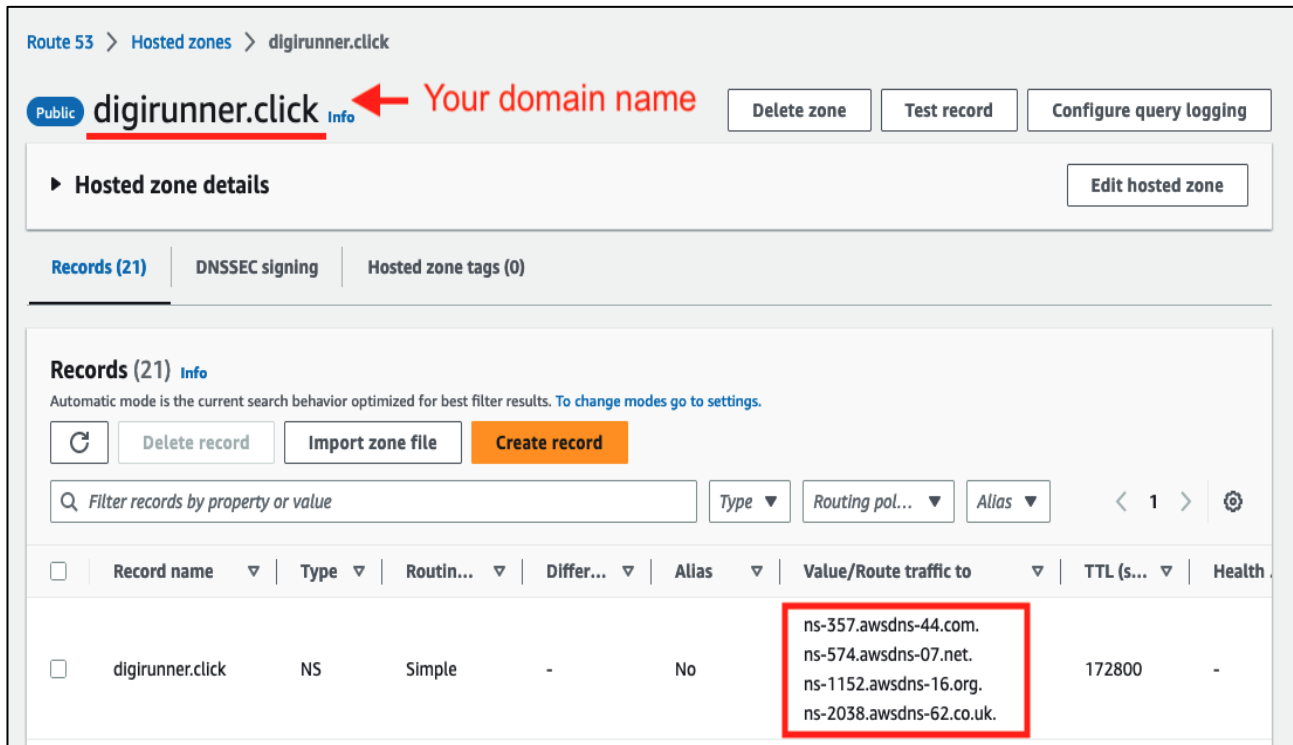
3. 點選 [Register domain] 以購買網域並註冊，AWS 將自動完成相關設定。



1.3. 網址設定 – 透過第三方網域商購買網址

透過第三方網域商購買網址，例如：HiNet、GoDaddy 等，請參照下方說明進行相關設定。

1. 造訪 AWS 的管理主控台，前往 Route 53 服務，新增一組託管區域 (Hosted Zone)。



2. 造訪您的網域供應商平台，此處以 HiNet 為例，登入平台後，將網址設定為自管，並將其指向 AWS：網址需確實對應至 Route 53 託管區域中 Record Type="NS" 中的 4 組數值。
3. 如需查詢對應的 IP 位址，可依下方說明操作：
 - a. 開啟終端機或命令提示字元，輸入指令 'nslookup'，並按下 Enter 鍵。
 - b. 將 4 組 NS 數值複製貼上，再按下 Enter 鍵，即可以看到對應的 IP 位址。

```

~
nslookup ← 在終端畫面輸入指令。
> ns-357.awsdns-44.com.
Server:      8.8.8.8
Address:     8.8.8.8#53

Non-authoritative answer:
Name:   ns-357.awsdns-44.com
Address: 205.251.193.101
> ns-574.awsdns-07.net.
Server:      8.8.8.8
Address:     8.8.8.8#53

Non-authoritative answer:
Name:   ns-574.awsdns-07.net
Address: 205.251.194.62
> ns-1152.awsdns-16.org.
Server:      8.8.8.8
Address:     8.8.8.8#53

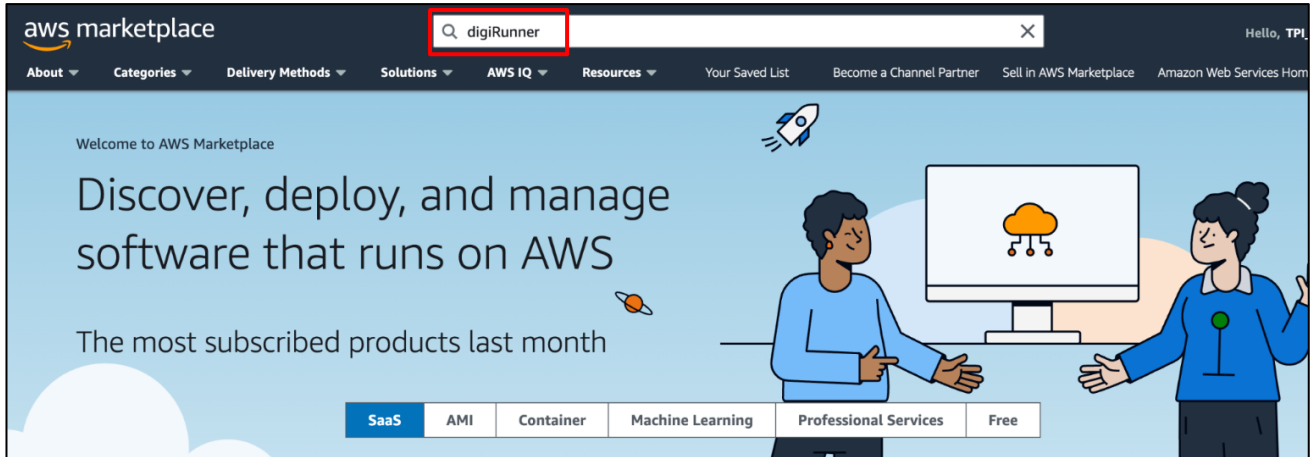
Non-authoritative answer:
Name:   ns-1152.awsdns-16.org
Address: 205.251.196.128
> ns-2038.awsdns-62.co.uk.
Server:      8.8.8.8
Address:     8.8.8.8#53

Non-authoritative answer:
Name:   ns-2038.awsdns-62.co.uk
Address: 205.251.199.246
>
    
```

2. 購買流程

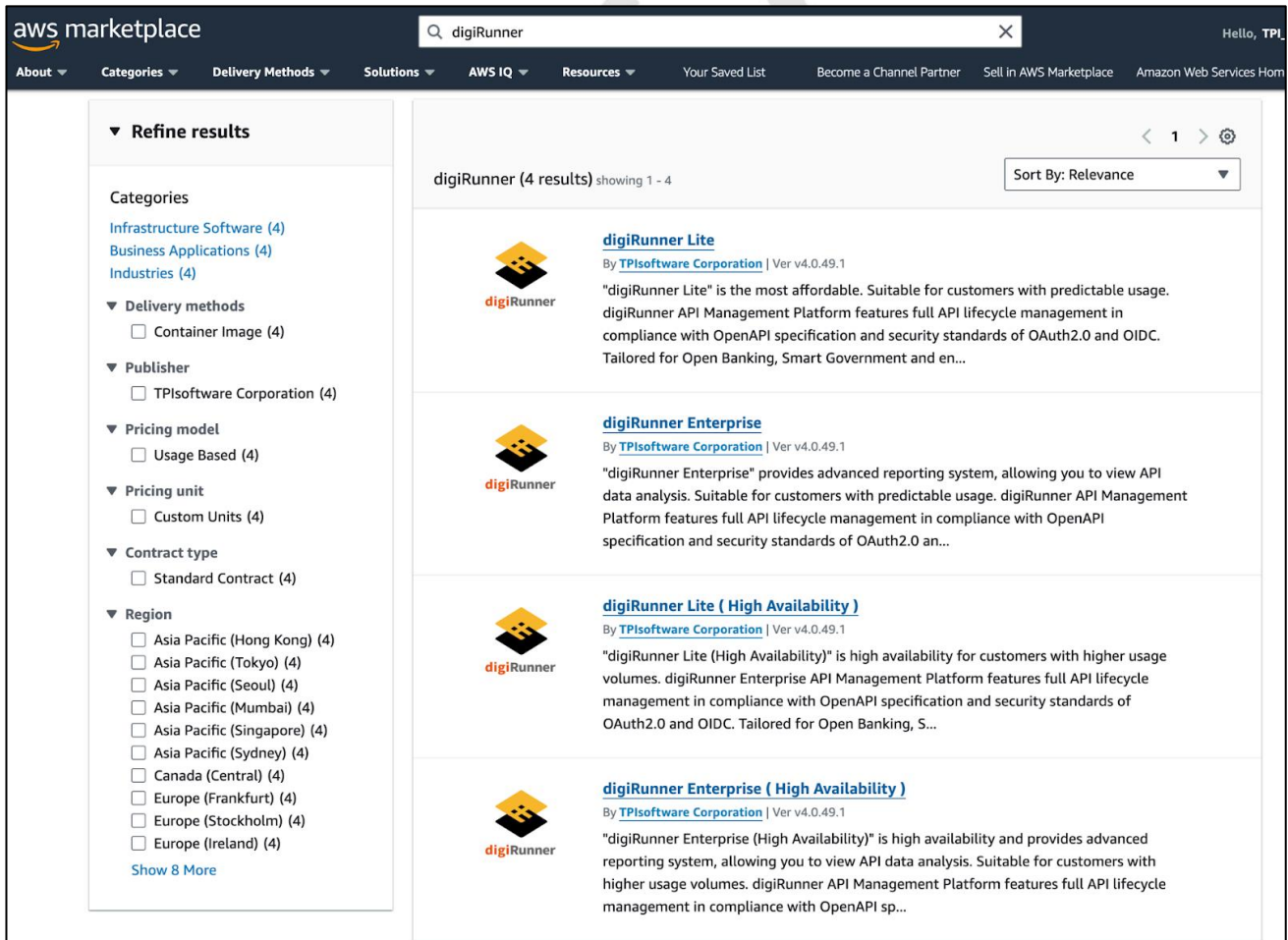
2.1. 搜尋 digiRunner

1. 造訪 AWS Marketplace : <https://aws.amazon.com/marketplace> 。
2. 在關鍵字欄位輸入 *digiRunner* 以進行搜尋。



2.2. digiRunner 搜尋結果

您在搜尋結果頁面將會看到 4 種 digiRunner 產品方案。



2.3. digiRunner 產品：4 種解決方案

方案比較：

解決方案	Auto Scaling 自動擴展	OpenSearch 詳細的報表	選擇的考量
digiRunner Lite	X	X	經濟實惠
digiRunner Lite (High Availability)	O	X	中等費用，高可用性
digiRunner Enterprise	X	O	中等費用，詳細報表
digiRunner Enterprise (High Availability)	O	O	費用較高，但兼具高可用性和 詳細報表

digiRunner				
Resource	Lite	Lite (High Availability)	Enterprise	Enterprise (High Availability)
CloudWatch	●	●	●	●
ALB	●	●	●	●
VPC (NAT Gateway)	●	●	●	●
Router 53	●	●	●	●
CloudMap	●	●	●	●
EventBridge	●	●	●	●
System Manager	●	●	●	●
ECS Fargate	●	●	●	●
ECS Fargate (Master)		●		●
OpenSearch			●	●

2.4. 訂閱產品

點選欲訂閱的 digiRunner 產品方案進入該頁面，並點選 [**Continue to Subscribe**] 以完成訂閱。

The screenshot shows the AWS Marketplace product page for digiRunner Lite. The page header includes the AWS Marketplace logo, a search bar, and navigation links. The main content area features the product logo, name, and description. A red arrow points to the 'Continue to Subscribe' button, which is highlighted with a red box. Below the product details, there are tabs for Overview, Pricing, Usage, Support, and Reviews. The Overview tab is selected, showing a 'Product Overview' section with text and a 'Highlights' section with a bulleted list of features.

2.5. 設定產品

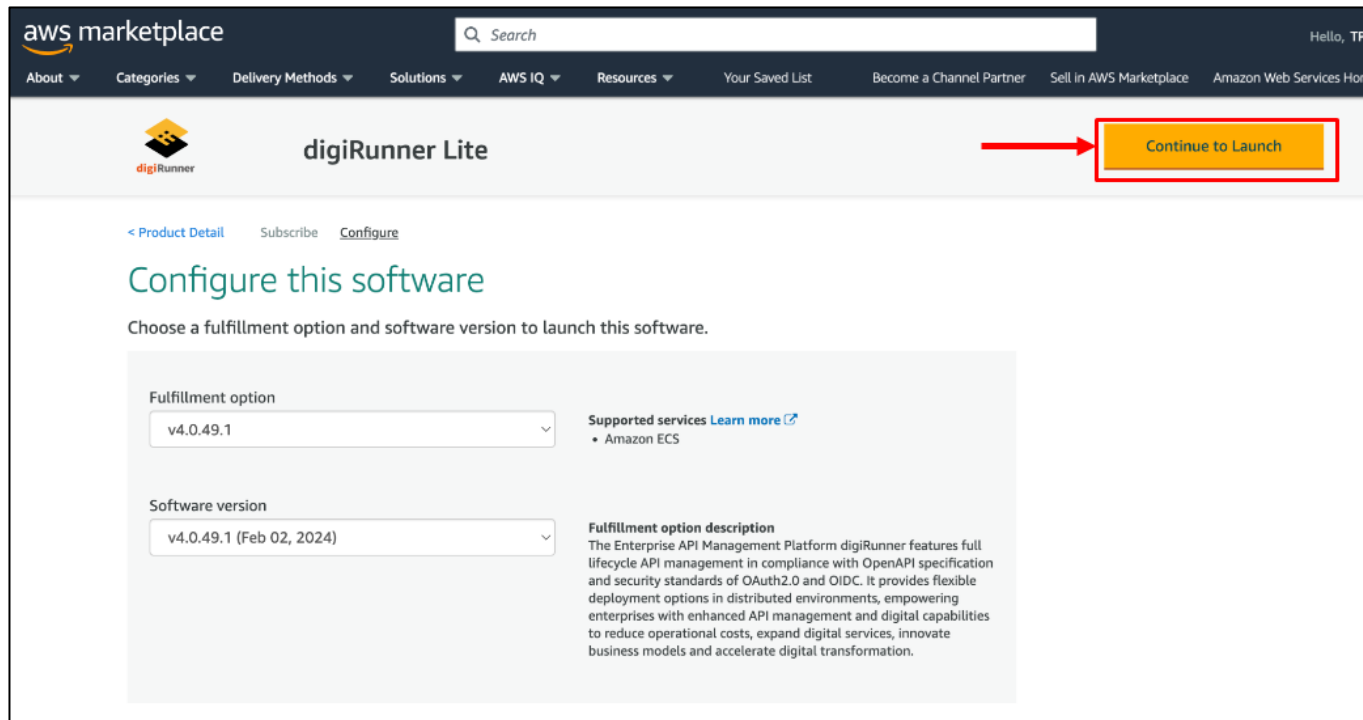
點選 [**Continue to Configuration**] 開始設定您的產品。

The screenshot shows the AWS Marketplace product page for digiRunner Lite, specifically the configuration page. The page header is identical to the previous screenshot. The main content area features the product logo and name. A red arrow points to the 'Continue to Configuration' button, which is highlighted with a red box. Below the button, there is a 'Subscribe to this software' section with a message and a 'Terms and Conditions' section. The 'Terms and Conditions' section includes a table with product details.

Product	Effective date	Expiration date	Action
digiRunner Lite	2/2/2024	N/A	Show Details

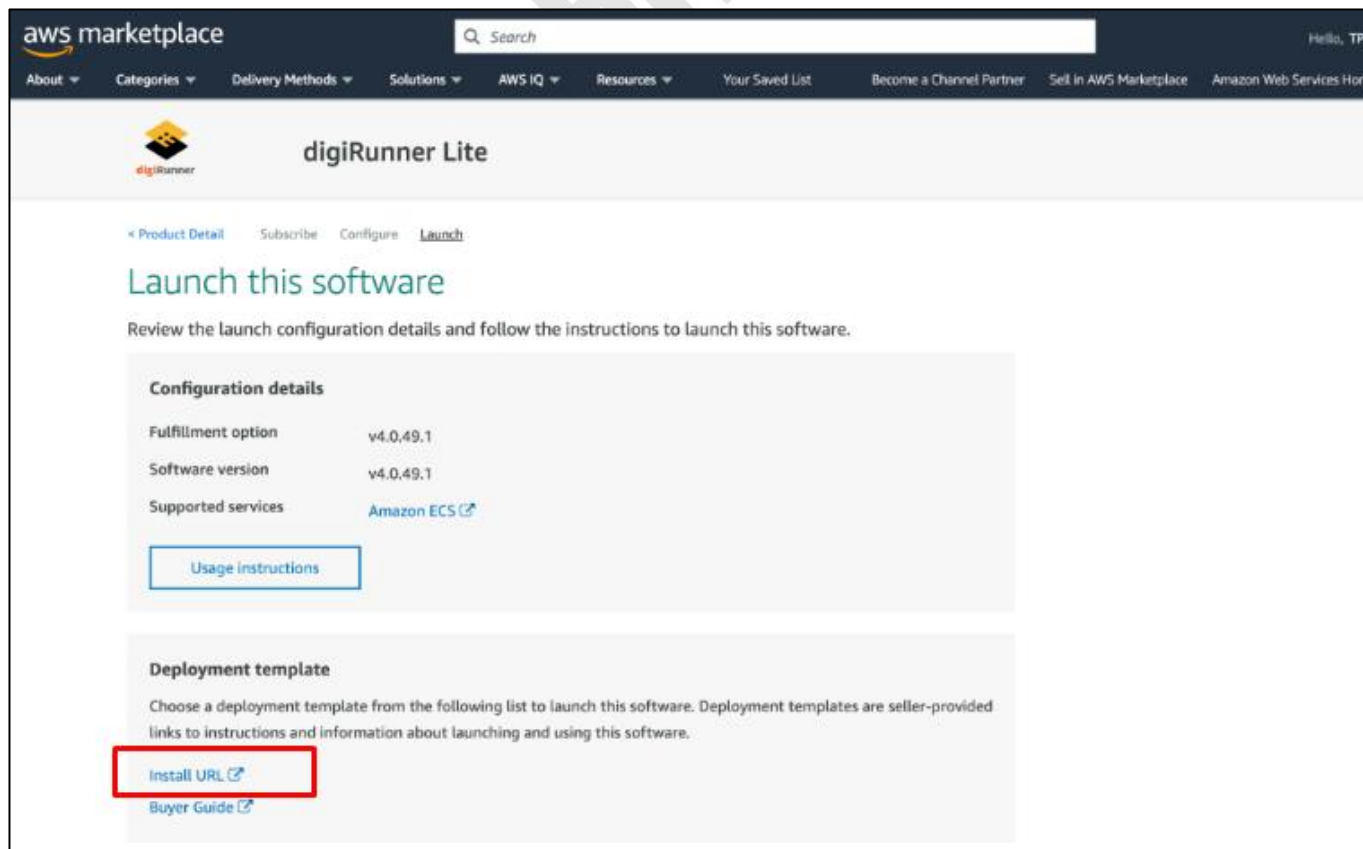
2.6. 啟動產品

點選 [**Continue to Launch**] 以進行產品的啟動流程。



2.7. 開始安裝

點選 [**Install URL**] 以前往安裝網址，並開始進行安裝。

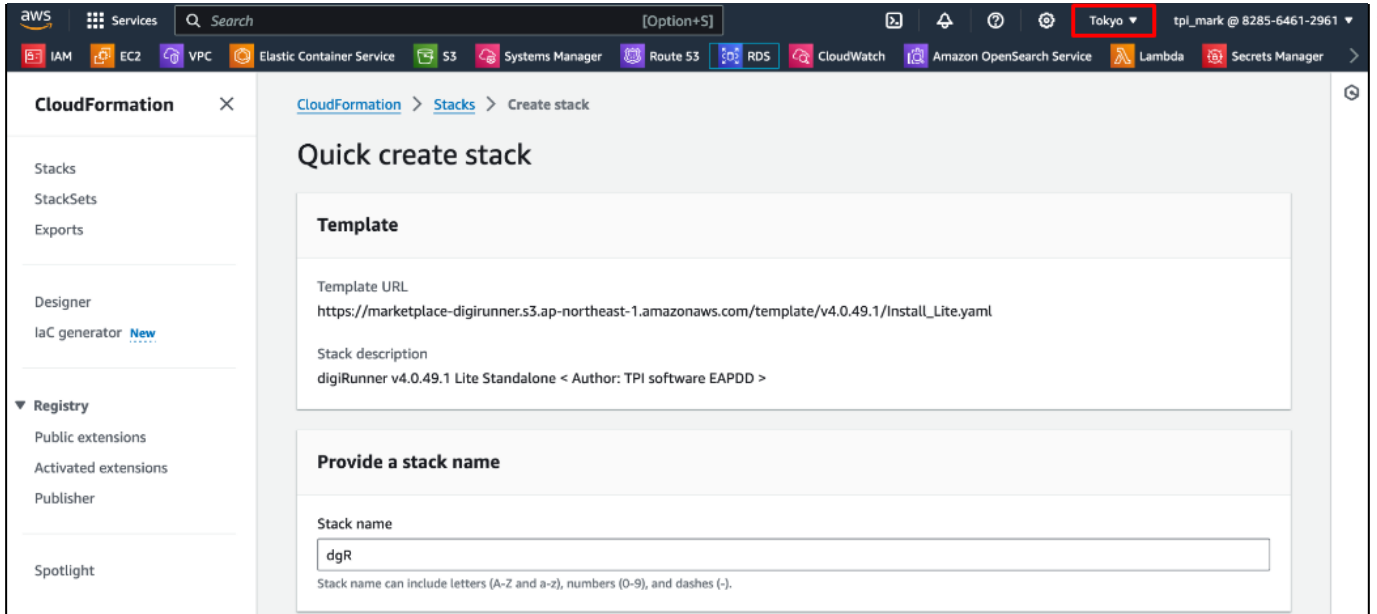


3. digiRunner 安裝與設定

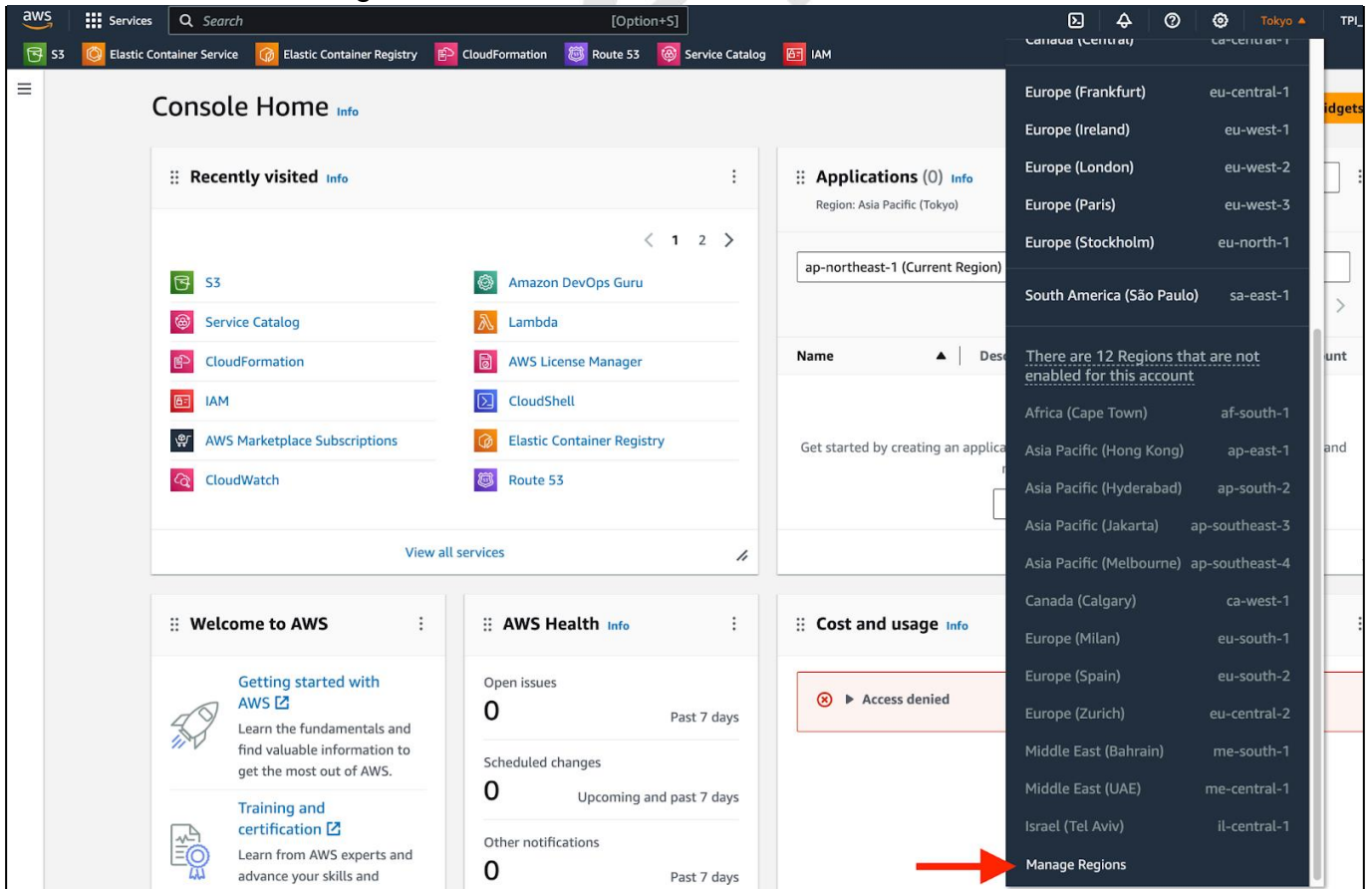
3.1. 地區設定

預設的安裝地區是 **Tokyo** (ap-northeast-1)。

1. 您可從下拉式選單中選擇所需的地区以進行變更。



2. 如果你想要安裝的 Region 尚未啟用，可參照以下圖片說明進行啟用。



AWS Regions [Info](#) Disable Enable ↻

Region	Status
<input type="checkbox"/> Africa (Cape Town)	⊗ Disabled
<input checked="" type="checkbox"/> Asia Pacific (Hong Kong)	⊗ Disabled
<input type="checkbox"/> Asia Pacific (Hyderabad)	⊗ Disabled
<input checked="" type="checkbox"/> Asia Pacific (Jakarta)	⊗ Disabled
<input checked="" type="checkbox"/> Asia Pacific (Melbourne)	⊗ Disabled
<input type="checkbox"/> Canada (Calgary)	⊗ Disabled
<input type="checkbox"/> Europe (Zurich)	⊗ Disabled
<input type="checkbox"/> Europe (Milan)	⊗ Disabled
<input type="checkbox"/> Europe (Spain)	⊗ Disabled
<input type="checkbox"/> Israel (Tel Aviv)	⊗ Disabled
<input type="checkbox"/> Middle East (UAE)	⊗ Disabled
<input type="checkbox"/> Middle East (Bahrain)	⊗ Disabled
<input checked="" type="checkbox"/> Asia Pacific (Tokyo)	✔ Enabled by default
<input checked="" type="checkbox"/> Asia Pacific (Seoul)	✔ Enabled by default
<input checked="" type="checkbox"/> Asia Pacific (Osaka)	✔ Enabled by default
<input checked="" type="checkbox"/> Asia Pacific (Mumbai)	✔ Enabled by default

1 (points to the Region column header)

2 (points to the Enable button)



3.2. 安裝參數

您可使用預設的安裝參數進行設定。

注意: 如果您的 AWS 網路環境與預設值衝突，則參數可能無法使用。可能造成衝突的原因如下：

1. **已達 VPC 配額上限：**請確認您的資源使用量維持在 VPC 配額限制內。請參閱 [AWS 文件](#) 以了解更多詳情。
2. **網段衝突：**請確認您指定的網段沒有被佔用。

Parameters
Parameters are defined in your template and allow you to input custom values when you create or update a stack.

::::: Your digiRunner Domain Name :::::

Domain
The ID of the Route53 Hosted Zone for the domain name used in the ACM Certificate.
Select AWS::Route53::HostedZone::id

SubDomain
Input your subdomain name for digiRunner, e.g. (subdomain).yourdomain.com
api

::::: Password for digiRunner login :::::

Password
Must be 8 to 12 characters and include upper and lower case letters, numbers, and special characters(@\$!%*?&).

::::: Create VPC & Subnet :::::

new VPC CIDR
CIDR Block for the new VPC (e.g., 10.184.0.0/16)
10.184.0.0/16

Public_Subnet_1 CIDR
CIDR Block for the first public subnet (e.g., 10.184.1.0/20)
10.184.0.0/20

Public_Subnet_2 CIDR
CIDR Block for the second public subnet (e.g., 10.184.2.0/16)
10.184.16.0/20

Private_Subnet_1 CIDR
CIDR Block for the first private subnet (e.g., 10.184.3.0/16)
10.184.32.0/20

Private_Subnet_2 CIDR
CIDR Block for the second private subnet (e.g., 10.184.4.0/16)
10.184.48.0/20

::::: Test / Production :::::

Install for [Test / Production] Environment
The Test Environment will use cheaper machine instance type.
Select String

選擇您的網域名稱

如果沒有可供選擇的域名，請參閱「前置作業」章節

輸入您的子網域

若子網域為 *api*，則 digiRunner 的網址為 *api.yourdomain*

輸入您的 digiRunner 登入密碼

必須為 8~12 個字元，包含英文字母大小寫、數字和特殊字元 (@\$!%*?&)

輸入新 VPC 的網段

輸入新 VPC 中的“公開子網段 1”

輸入新 VPC 中的“公開子網段 2”

輸入新 VPC 中的“私有子網段 1”

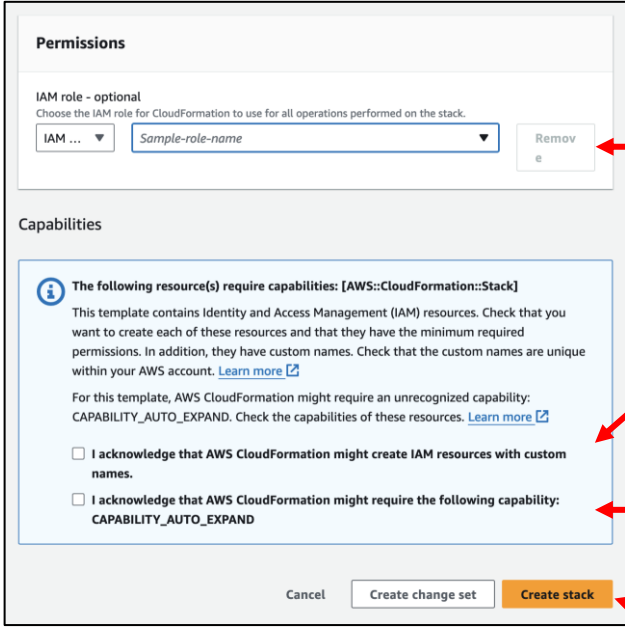
輸入新 VPC 中的“私有子網段 2”

選擇測試或正式模式

測試模式將以最低可運行的資源安裝，不適合正式使用

3.3. 安裝權限

進行安裝的 AWS 帳號或 IAM 角色必須具有執行安裝的權限：[digiRunner least-privilege permissions](#)。



選擇具有安裝權限的 IAM 角色

如果您的 AWS 帳號具有管理員權限，則可跳過這一步

勾選表示您已知道：

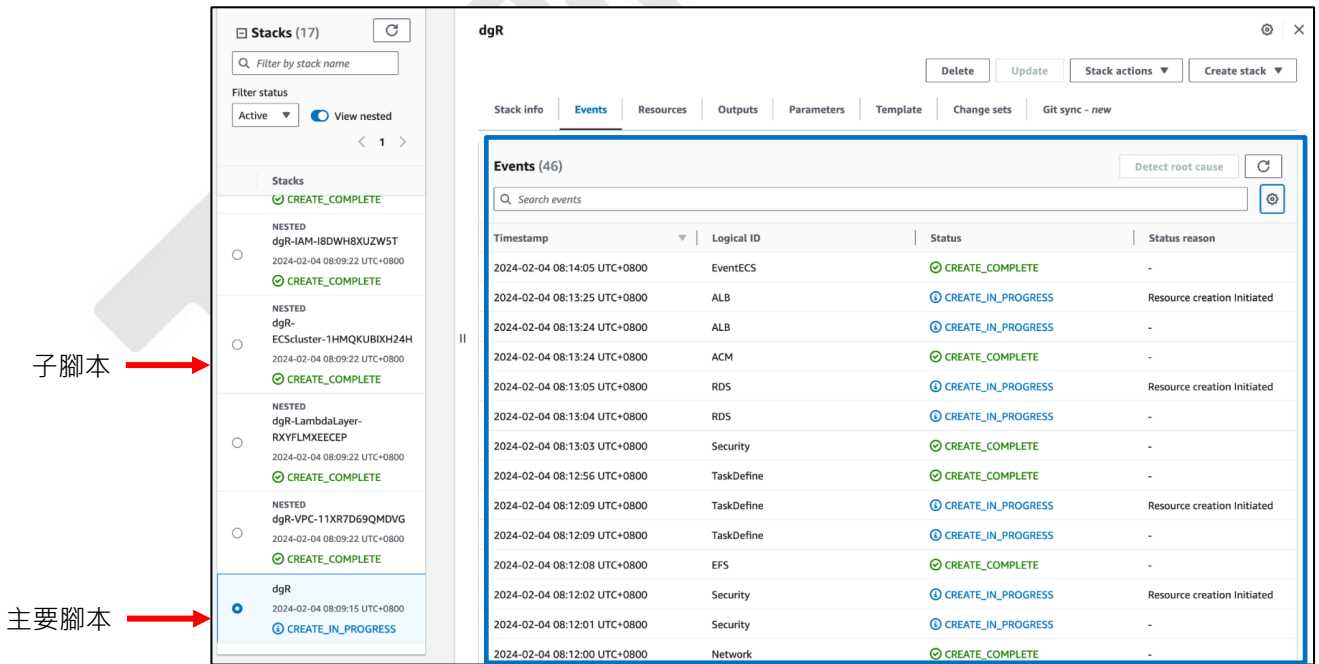
CloudFormation 腳本將自行建立所需的 IAM 權限

勾選表示您已知道：

CloudFormation 腳本為巢狀結構，其中主腳本會建立其他的子腳本

點選以開始安裝

3.4. 安裝過程



子腳本

主要腳本

此區塊會顯示安裝的相關訊息，例如安裝的過程與進度

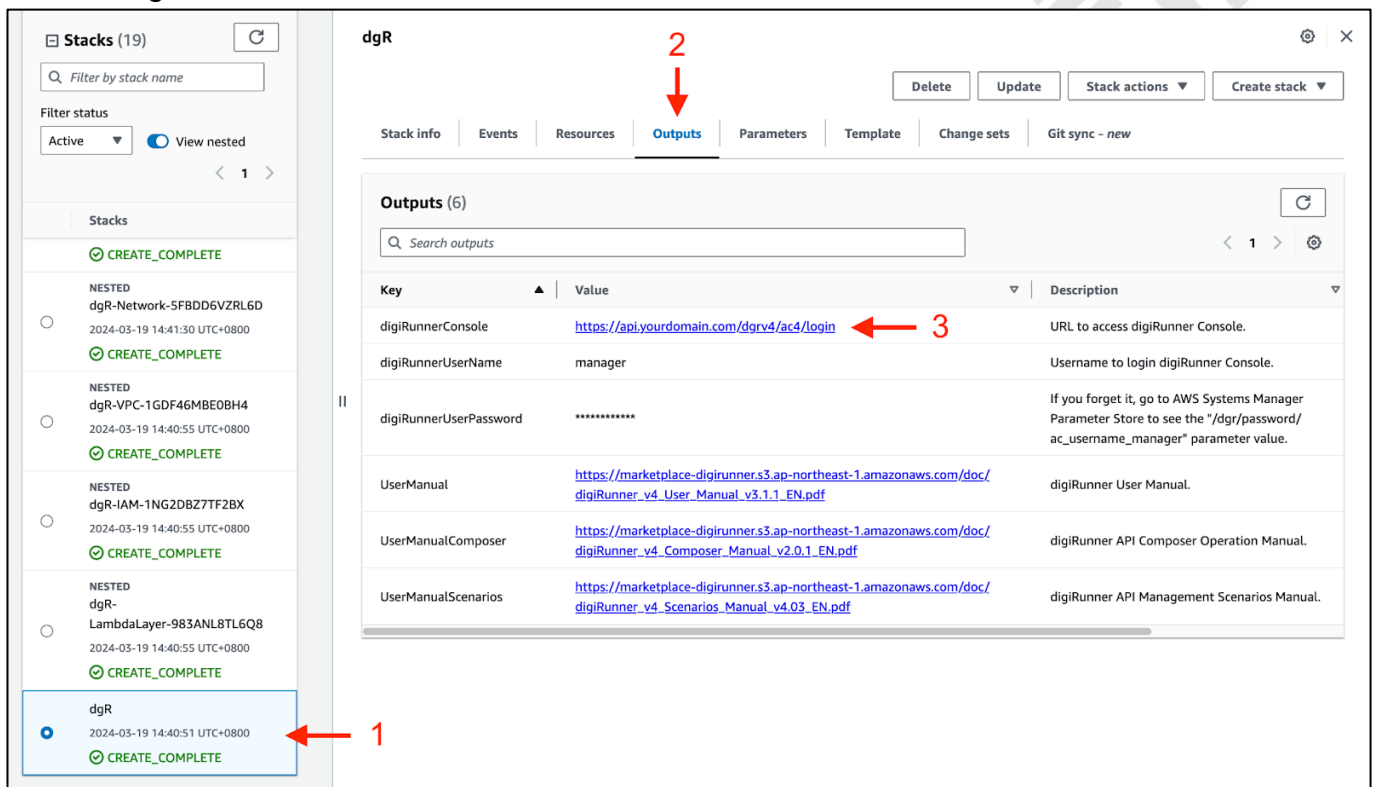
3.5. 安裝完成

安裝所需時間如下：

注意：在極少的案例中，當 AWS 環境不穩定時，安裝時間可能會更長。

- **digRunner Lite**：約 25 分
- **digRunner Lite (High Availability)**：約 35 分
- **digRunner Enterprise**：約 35 分
- **digRunner Enterprise (High Availability)**：約 40 分

1. 當主要腳本顯示 'CREATE_COMPLETE'，即表示已安裝完成。
2. 點選 [**Outputs**]。
3. 點選 digRunner 網址以登入主控台。



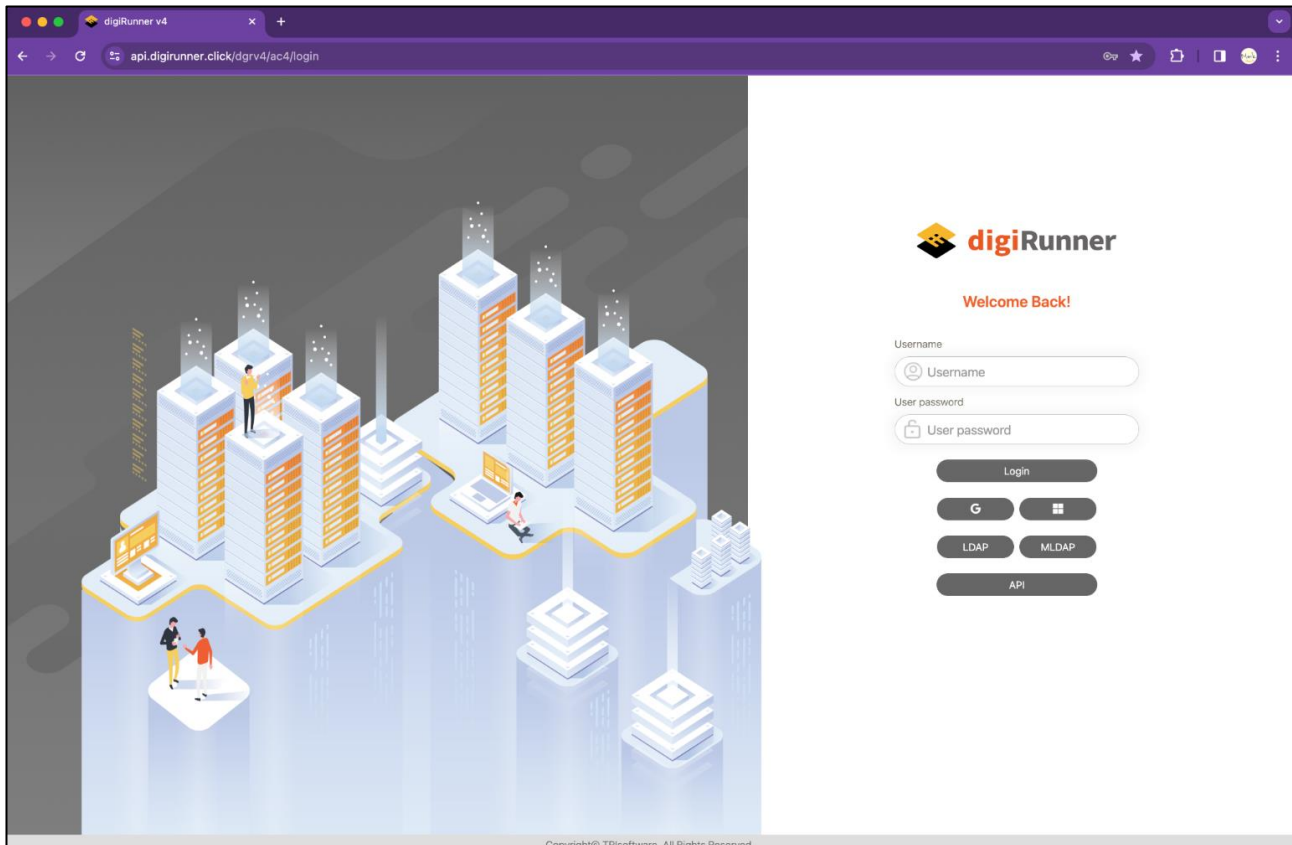
4. digiRunner 的操作說明，請參見下方表格的手冊。

手冊名稱	Key	連結
digiRunner User Manual	UserManual	https://marketplace-digirunner.s3.ap-northeast-1.amazonaws.com/doc/digiRunner_v4_User_Manual_v3.1.1_EN.pdf
digiRunner API Composer Operation Manual	UserManualComposer	https://marketplace-digirunner.s3.ap-northeast-1.amazonaws.com/doc/digiRunner_v4_Composer_Manual_v2.0.1_EN.pdf
digiRunner Scenarios Manual	UserManualScenarios	https://marketplace-digirunner.s3.ap-northeast-1.amazonaws.com/doc/digiRunner_v4_Scenarios_Manual_v4.03_EN.pdf

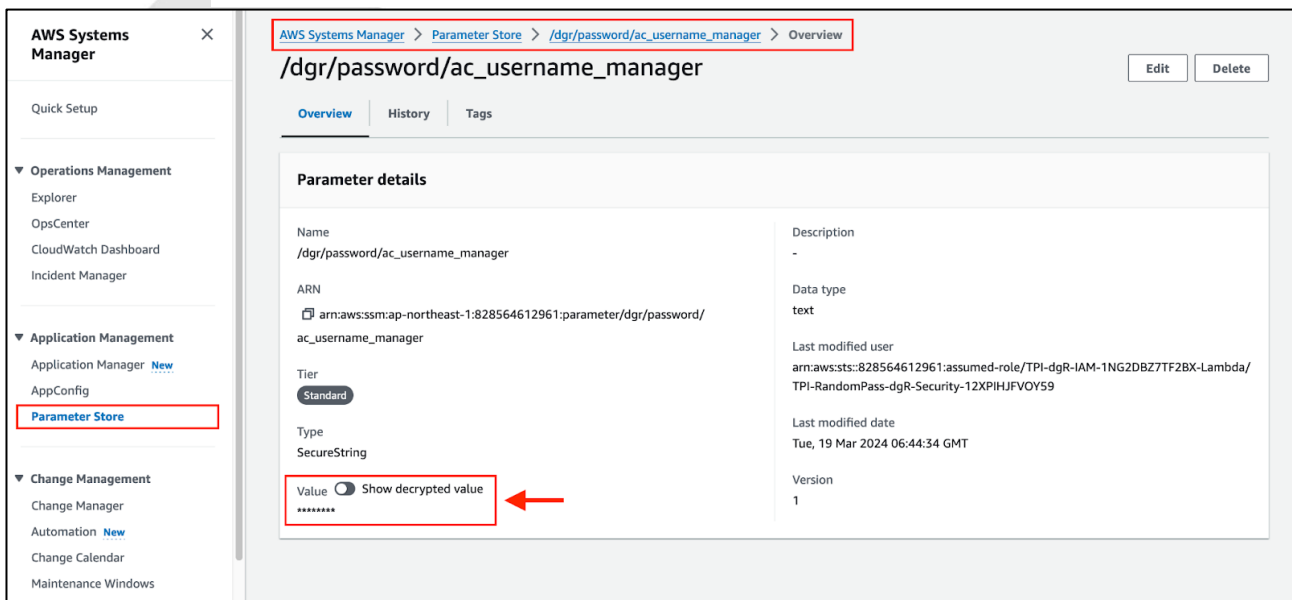
4. 登入 digiRunner

1. 使用預設的帳號與密碼登入系統：

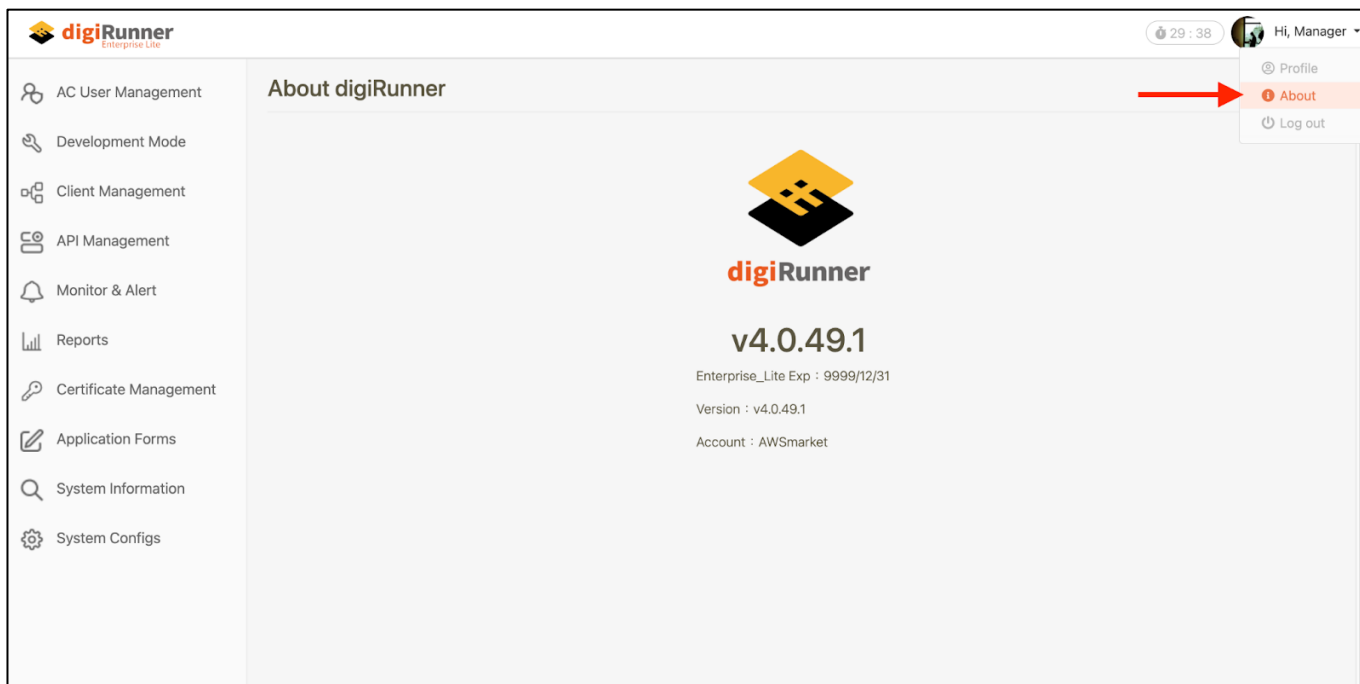
- 帳號：manager
- 密碼：{您設定的參數值}



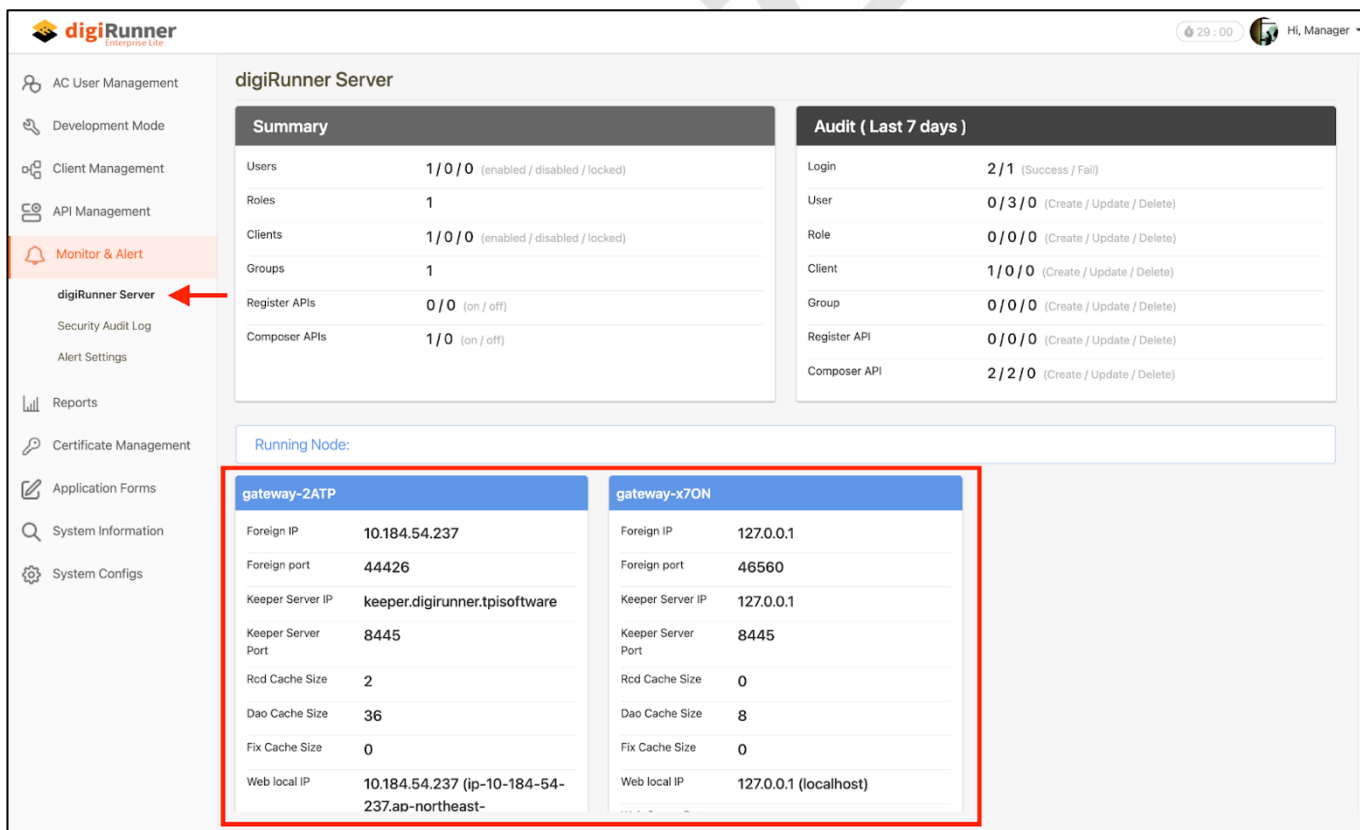
2. 若您忘記密碼，請前往 [**AWS Systems Manager**] > [**Parameter Store**] > [**/dgr/password/ac_username_manager**]。於 [**Overview**] 頁面，找到設定密碼的 [**值**] 欄位，然後切換開關以顯示解密的值 (**Show the decrypted value**)。



3. 點選 [About] 以查看 digiRunner 的版本。



4. 若您安裝的方案為 **High Availability**，則 **digiRunner Server** 頁面將顯示 2 台以上的 Container，如否，則只會顯示 1 台 Container。

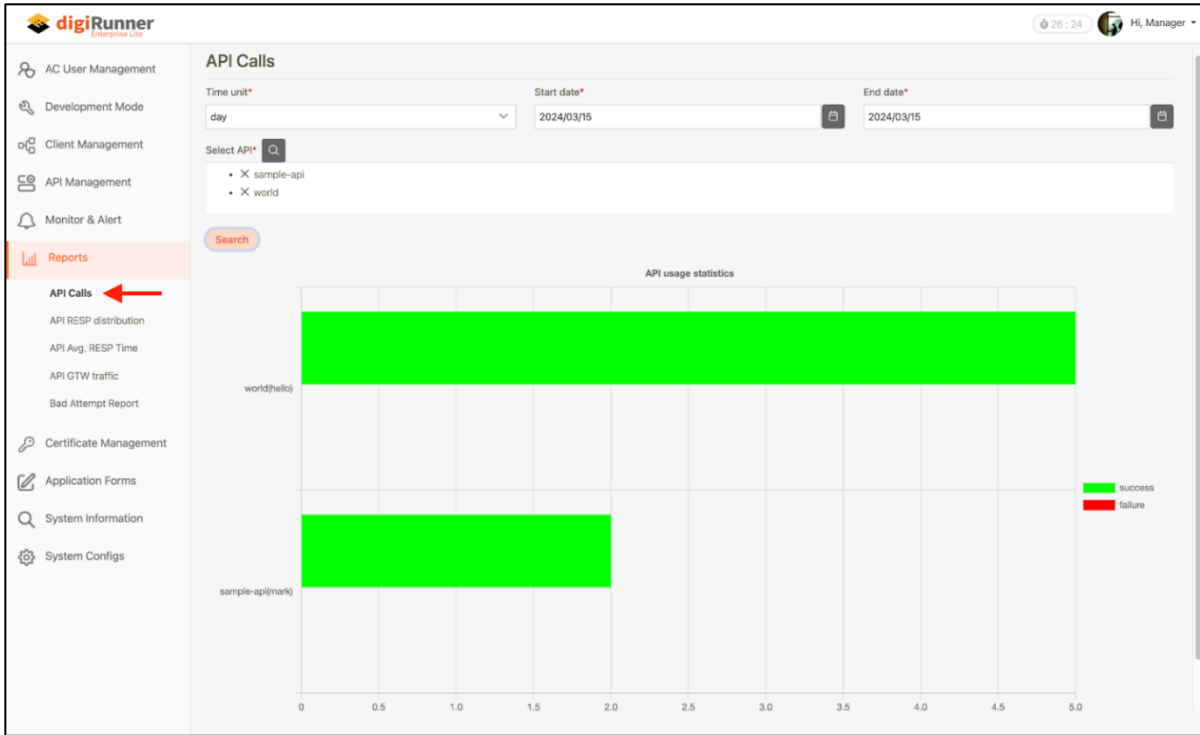


5. digiRunner 報表與架構

5.1. digiRunner 報表

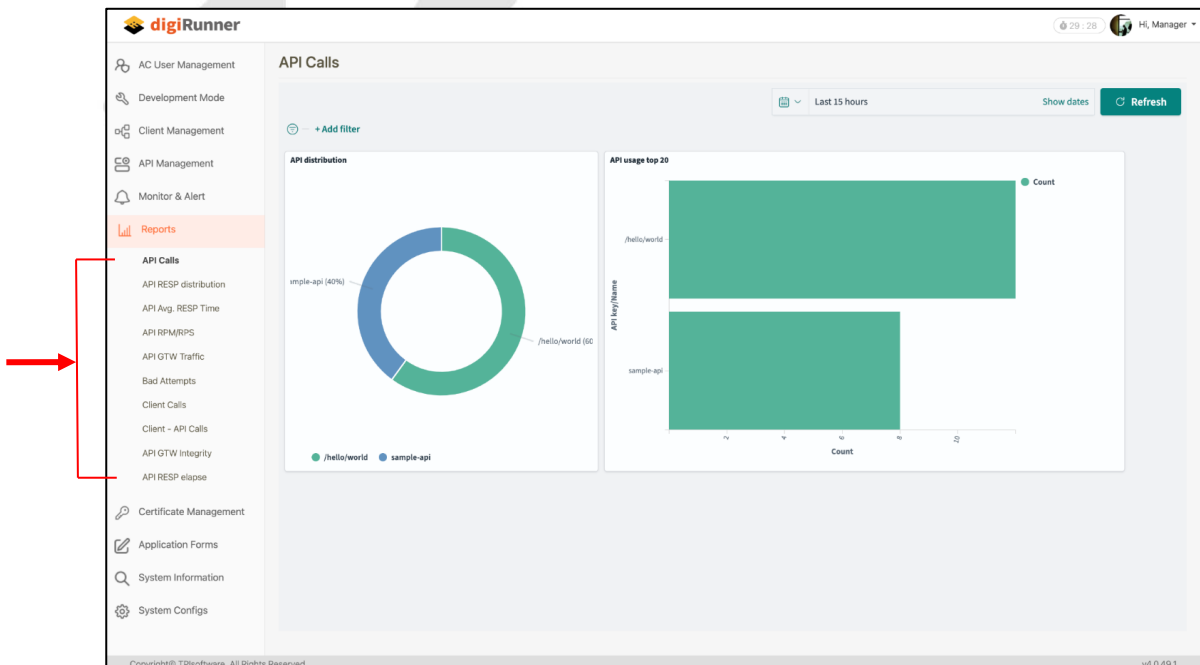
5.1.1. 簡易報表管理

digiRunner Lite 和 digiRunner Lite (High Availability) 提供簡易的資料報表。



5.1.2. 詳細報表分析 (OpenSearch Dashboard)

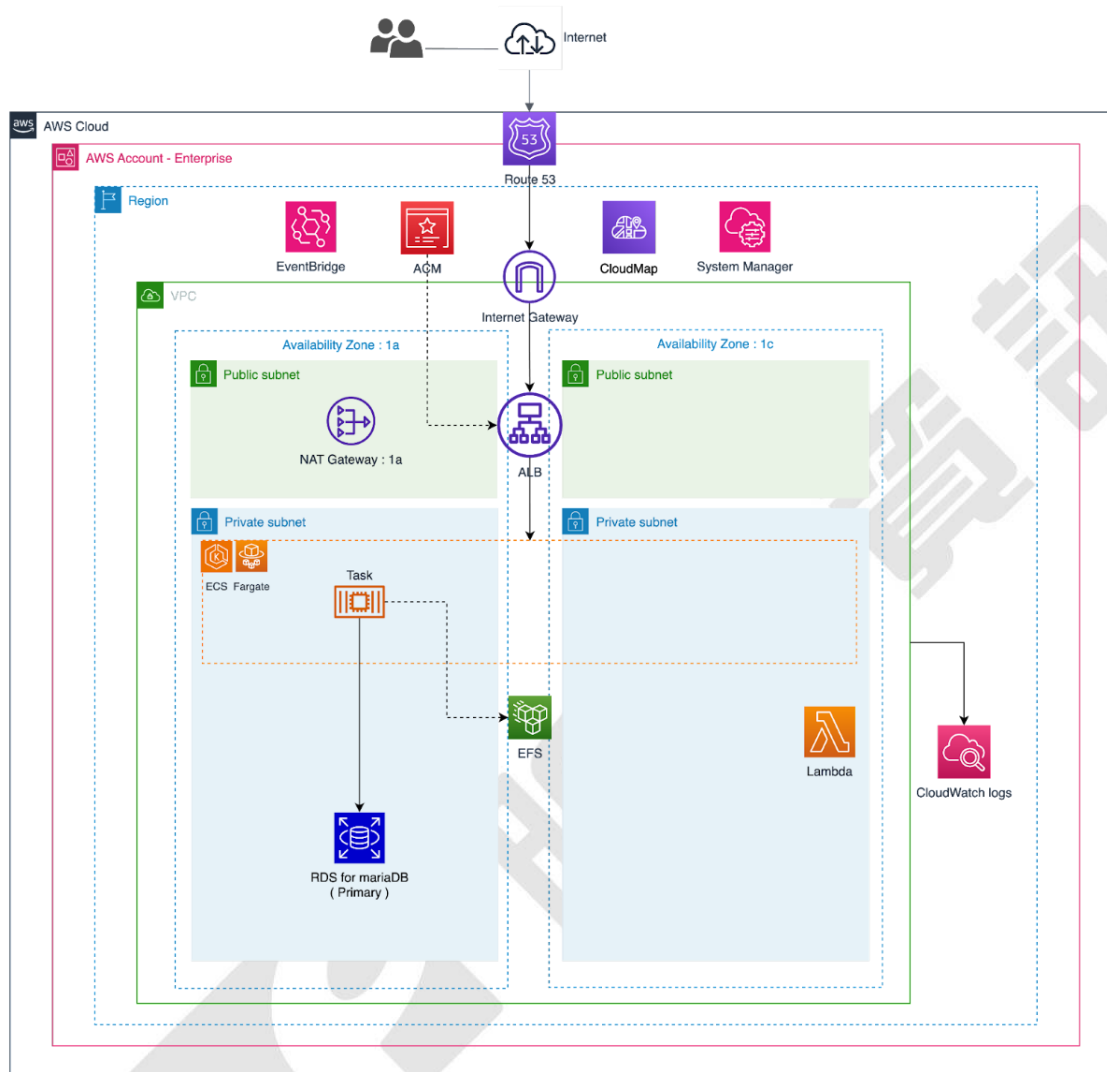
digiRunner Enterprise 和 digiRunner Enterprise (High Availability) 提供詳細的報表分析。



5.2. digiRunner 部署架構 (Architecture)

5.2.1. 部署架構 - digiRunner Lite

1. 部署架構

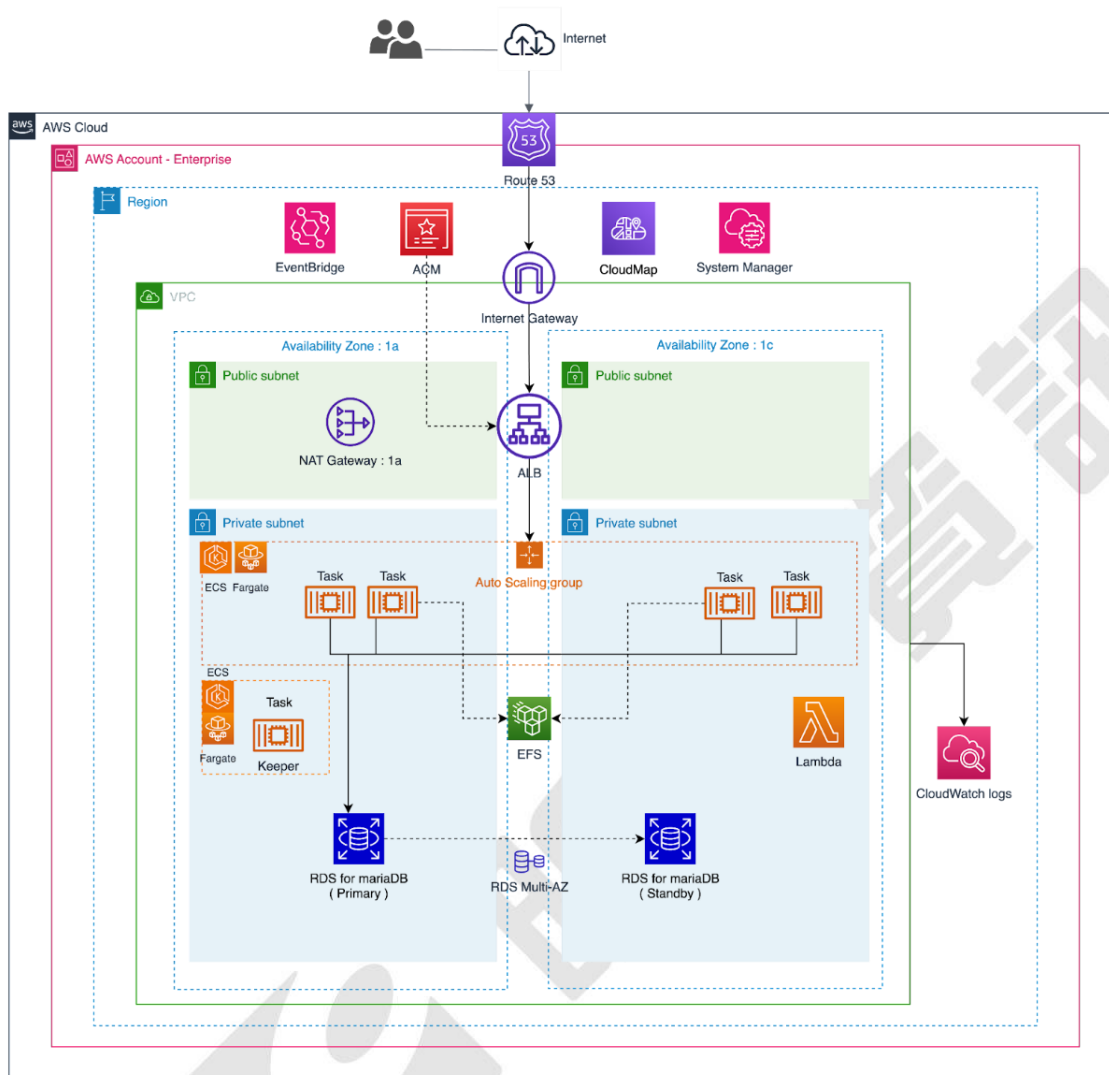


2. AWS Infrastructure Resources – Pricing

Resource	Resource Full Name	Pricing
VPC	Virtual Private Cloud - NAT gateway	https://aws.amazon.com/vpc/pricing/
Route 53	Route 53	https://aws.amazon.com/route53/pricing/
Cloud Map	Cloud Map	https://aws.amazon.com/cloud-map/pricing/
ECS	Elastic Container Service - Fargate	https://aws.amazon.com/fargate/pricing/
RDS for mariaDB	Relational Database Service	https://aws.amazon.com/fargate/pricing/
EFS	Elastic File System	https://aws.amazon.com/efs/pricing/
ELB	Elastic Load Balancer	https://aws.amazon.com/elasticloadbalancing/pricing/
EventBridge	EventBridge	https://aws.amazon.com/eventbridge/pricing/
Lambda	Lambda	https://aws.amazon.com/lambda/pricing/
CloudWatch	CloudWatch	https://aws.amazon.com/cloudwatch/pricing/

5.2.2. 部署架構 - digiRunner Lite (High Availability)

1. 部署架構

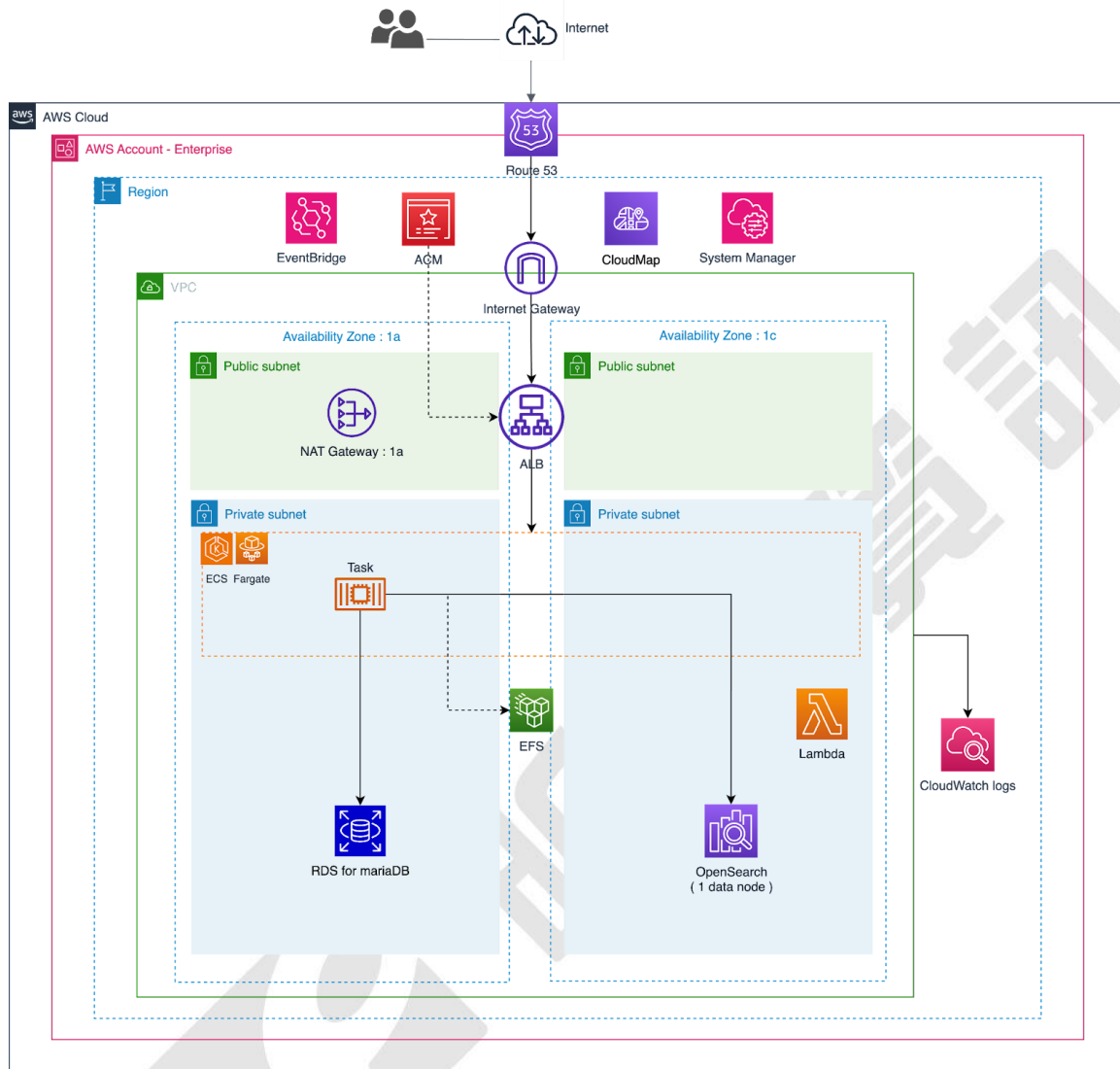


2. AWS Infrastructure Resources – Pricing

Resource	Resource Full Name	Pricing
VPC	Virtual Private Cloud - NAT gateway	https://aws.amazon.com/vpc/pricing/
Route 53	Route 53	https://aws.amazon.com/route53/pricing/
Cloud Map	Cloud Map	https://aws.amazon.com/cloud-map/pricing/
ECS	Elastic Container Service – Fargate (Autoscaling)	https://aws.amazon.com/fargate/pricing/
RDS for mariaDB	Relational Database Service (Multi-AZ)	https://aws.amazon.com/fargate/pricing/
EFS	Elastic File System	https://aws.amazon.com/efs/pricing/
ELB	Elastic Load Balancer	https://aws.amazon.com/elasticloadbalancing/pricing/
EventBridge	EventBridge	https://aws.amazon.com/eventbridge/pricing/
Lambda	Lambda	https://aws.amazon.com/lambda/pricing/
CloudWatch	CloudWatch	https://aws.amazon.com/cloudwatch/pricing/

5.2.3. 部署架構 - digiRunner Enterprise

1. 部署架構

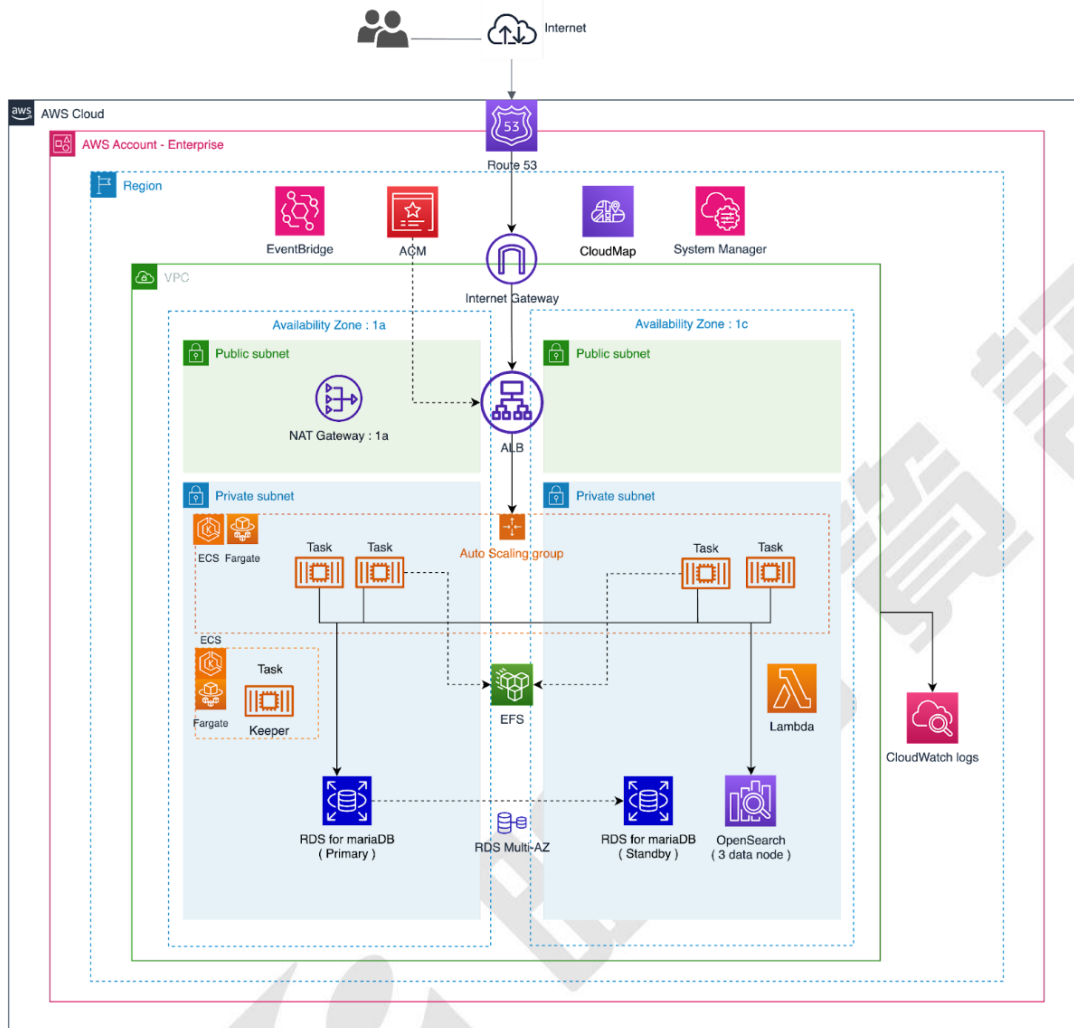


2. AWS Infrastructure Resources – Pricing

Resource	Resource Full Name	Pricing
VPC	Virtual Private Cloud - NAT gateway	https://aws.amazon.com/vpc/pricing/
Route 53	Route 53	https://aws.amazon.com/route53/pricing/
Cloud Map	Cloud Map	https://aws.amazon.com/cloud-map/pricing/
ECS	Elastic Container Service – Fargate	https://aws.amazon.com/fargate/pricing/
RDS for mariaDB	Relational Database Service	https://aws.amazon.com/fargate/pricing/
EFS	Elastic File System	https://aws.amazon.com/efs/pricing/
ELB	Elastic Load Balancer	https://aws.amazon.com/elasticloadbalancing/pricing/
EventBridge	EventBridge	https://aws.amazon.com/eventbridge/pricing/
Lambda	Lambda	https://aws.amazon.com/lambda/pricing/
CloudWatch	CloudWatch	https://aws.amazon.com/cloudwatch/pricing/
OpenSearch	OpenSearch (1 data node)	https://aws.amazon.com/opensearch-service/pricing/

5.2.4. 部署架構 - digiRunner Enterprise (High Availability)

1. 部署架構



2. AWS Infrastructure Resources – Pricing

Resource	Resource Full Name	Pricing
VPC	Virtual Private Cloud - NAT gateway	https://aws.amazon.com/vpc/pricing/
Route 53	Route 53	https://aws.amazon.com/route53/pricing/
Cloud Map	Cloud Map	https://aws.amazon.com/cloud-map/pricing/
ECS	Elastic Container Service – Fargate (Autoscaling)	https://aws.amazon.com/fargate/pricing/
RDS for mariaDB	Relational Database Service (Multi-AZ)	https://aws.amazon.com/rds/pricing/
EFS	Elastic File System	https://aws.amazon.com/efs/pricing/
ELB	Elastic Load Balancer	https://aws.amazon.com/elasticloadbalancing/pricing/
EventBridge	EventBridge	https://aws.amazon.com/eventbridge/pricing/
Lambda	Lambda	https://aws.amazon.com/lambda/pricing/
CloudWatch	CloudWatch	https://aws.amazon.com/cloudwatch/pricing/
OpenSearch	OpenSearch (3 data node)	https://aws.amazon.com/opensearch-service/pricing/

6. 解除安裝

1. 選取欲解除安裝的主要腳本。
2. 點選 [Delete] 以完成解除安裝。

The screenshot displays the AWS CloudFormation console interface. On the left, a sidebar shows a list of stacks under the heading 'Stacks (19)'. The 'dgR' stack is selected and highlighted with a blue border, indicated by a red arrow labeled '1'. The main panel shows the details for the 'dgR' stack, with the 'Outputs' tab selected. At the top of the stack details, there are buttons for 'Delete', 'Update', 'Stack actions', and 'Create stack'. The 'Delete' button is highlighted with a red box, and a red arrow labeled '2' points to it. Below the 'Outputs' tab, a table lists six outputs with their keys, values, and descriptions.

Key	Value	Description
digirunnerConsole	https://api.yourdomain.com/dgrv4/ac4/login	URL to access digiRunner Console.
digirunnerUserName	manager	Username to login digiRunner Console.
digirunnerUserPassword	*****	If you forget it, go to AWS Systems Manager Parameter Store to see the "/dgr/password/ac_username_manager" parameter value.
UserManual	https://marketplace-digirunner.s3.ap-northeast-1.amazonaws.com/doc/digirunner_v4_User_Manual_v3.1.1_EN.pdf	digiRunner User Manual.
UserManualComposer	https://marketplace-digirunner.s3.ap-northeast-1.amazonaws.com/doc/digirunner_v4_Composer_Manual_v2.0.1_EN.pdf	digiRunner API Composer Operation Manual.
UserManualScenarios	https://marketplace-digirunner.s3.ap-northeast-1.amazonaws.com/doc/digirunner_v4_Scenarios_Manual_v4.03_EN.pdf	digiRunner API Management Scenarios Manual.

7. 疑難排解

如果您無法成功安裝，請先解除安裝，並參考以下說明以排除問題：

1. 確認至少有一個網域註冊或託管於 Route 53。
2. 確認使用具有權限的 AWS 帳號進行安裝 (必須使用 Admin 帳號)。
3. 檢查 VPC 資源環境是否已達上限，例如：VPC 數量已達上限 5 個或其他限制。
請參閱 [AWS 文件](#) 以了解更多詳情。
4. 確認設定的密碼符合規則：必須為 8~12 個字元，包含英文字母大小寫、數字和特殊字元 (@#\$!%*?&)。
5. 確認設定的網段與現有網段沒有衝突。
6. 確認在安裝過程中輸入的資料皆已確實選擇及填寫。
7. 如已排除上述問題，可能為 AWS 系統異常，請嘗試重新安裝。

附錄

- 尋求技術支援

Email : eapdd_aws@tpisoftware.com

- 與業務聯繫

Email : service@tpisoftware.com

