

在AWS上部署身份服務引擎(ISE)3.4版

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簡介

本文檔介紹如何使用AWS配置思科ISE:

- CloudFormation模板(CFT)
- Amazon機器映像(AMI)

必要條件

需求

思科建議您在繼續此部署之前瞭解以下主題：

- 思科身分識別服務引擎(ISE)
- AWS EC2例項管理和網路
- SSH金鑰對生成和使用
- 基本瞭解AWS中的VPC、安全組和DNS/NTP配置

採用元件

本文中的資訊係根據以下軟體和硬體版本：

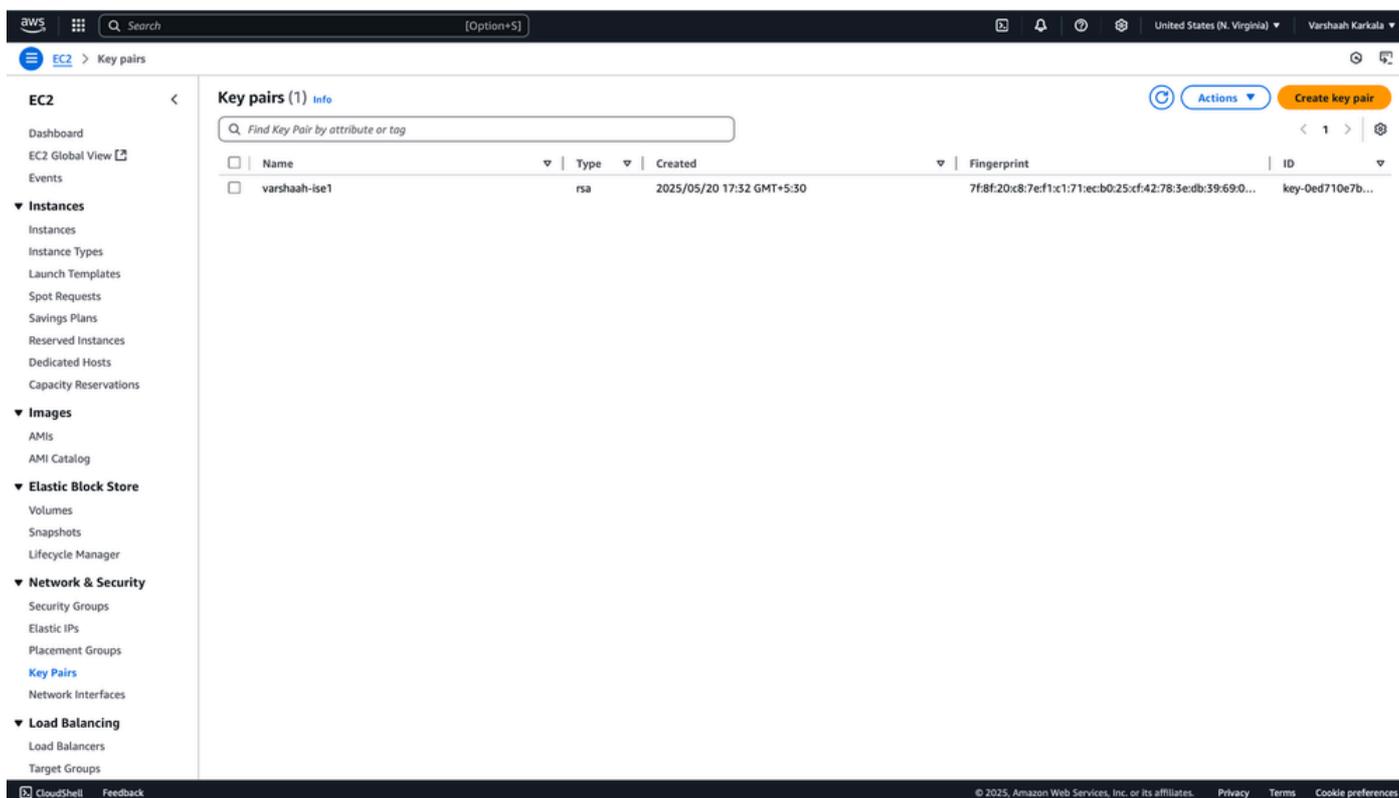
- 身分識別服務引擎 (ISE)
- Amazon Web Services(AWS)雲控制檯

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

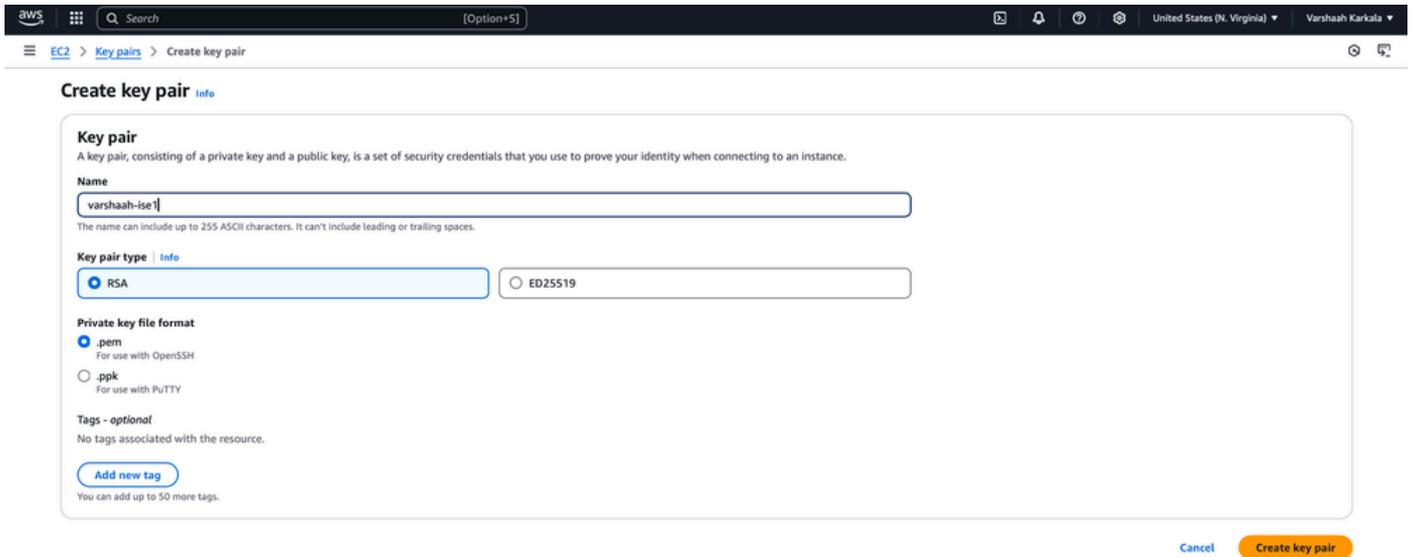
設定

第1部分：生成一組SSH金鑰對

- 1.對於此部署，您可以使用預先存在的金鑰對，也可以建立新金鑰對。
- 2.要建立新的金鑰對，請導航到EC2 > Network and Security > Key Pairs，然後按一下建立金鑰對。



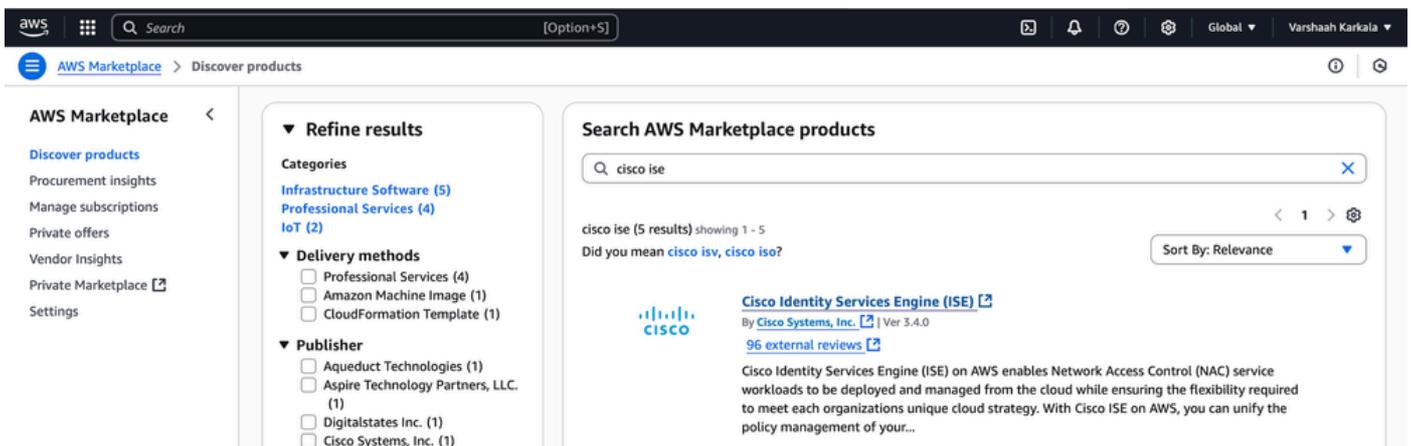
- 3.輸入金鑰對名稱，然後按一下「建立金鑰對」。



金鑰對檔案(.pem)將下載到您的本地電腦上。確保此檔案是安全的，因為只有啟動了EC2例項，才能對其進行訪問。

第2部分：使用CloudFormation模板(CFT)配置ISE

1. 登入到[AWS管理控制檯](#)並搜尋AWS Marketplace訂閱。
2. 在搜尋欄中，輸入「cisco ise」，然後從結果中選擇Cisco Identity Services Engine(ISE)。按一下「Subscribe」。



aws marketplace

Search

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About Categories Delivery Methods Solutions Resources Your Saved List

Become a Channel Partner Sell in AWS Marketplace Amazon Web Services Home Help

AWS Marketplace Cisco Identity Services Engine (ISE) Subscribe to Cisco Identity Services Engine (ISE)

Subscribe to Cisco Identity Services Engine (ISE) Info

To create a subscription, review the pricing information and accept the terms for this software.

Offer details Info

Offer ID basttrzv6xwc4yn2uup6bh730	Offered by Cisco Systems, Inc.	Offer type Public	Deployed on AWS Yes
---------------------------------------	-----------------------------------	----------------------	------------------------

Pricing details

Pricing and entitlements for this product are managed through an external billing relationship between you and the vendor. You activate the product by supplying a license purchased outside of AWS Marketplace, while AWS provides the infrastructure required to launch the product. AWS Subscriptions have no end date and may be canceled any time. However, the cancellation won't affect the status of the external license. Additional AWS infrastructure costs apply. To estimate your infrastructure costs, use the [AWS Pricing Calculator](#).

Total amount

Total cost \$0.00	Additional costs AWS infrastructure costs apply	Tax details Additional taxes may apply
-----------------------------	--	---

Terms and conditions

By subscribing to this software, you agree to the pricing terms and the seller's [End User License Agreement \(EULA\)](#). You also agree and acknowledge that AWS may, on your behalf, share information about this transaction (including your payment terms) with the respective seller, reseller or underlying provider, as applicable, in accordance with the [AWS Privacy Notice](#). AWS will issue invoices and collect payments from you on behalf of the seller through your AWS account. Your use of AWS services is subject to the [AWS Customer Agreement](#) or other agreement with AWS governing your use of such services. If you are receiving a private offer from a channel partner, you may click [here](#) (for CPPO transaction) or [here](#) (for SPPO transaction) for more information on the channel partner.

[Download EULA\(s\)](#)

Purchase details Info

Offer ID basttrzv6xwc4yn2uup6bh730	Offered by Cisco Systems, Inc.	Total cost \$0.00	Additional costs AWS infrastructure costs apply
---------------------------------------	-----------------------------------	----------------------	--

Tax details
Additional taxes may apply

[Back](#) [Subscribe](#)

3. 訂購後，選擇啟動軟體。

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About Categories Delivery Methods Solutions Resources Your Saved List

Become a Channel Partner Sell in AWS Marketplace Amazon Web Services Home Help

AWS Marketplace Cisco Identity Services Engine (ISE) Subscribe to Cisco Identity Services Engine (ISE)

Subscribe to Cisco Identity Services Engine (ISE) Info

To create a subscription, review the pricing information and accept the terms for this software.

✔ You successfully purchased Cisco Identity Services Engine (ISE)
Your AWS Marketplace agreement was created. You can launch your software or [Manage subscriptions](#).

[Launch your software](#)

Offer details Info

Offer ID basttrzv6xwc4yn2uup6bh730	Offered by Cisco Systems, Inc.	Offer type Public	Deployed on AWS Yes
---------------------------------------	-----------------------------------	----------------------	------------------------

4. 在「履行」選項下，選擇「CloudFormation Template」。選擇軟體版本 (ISE 版本)、要部署例項的區域並點選繼續(Continue to Launch)。



[Product Detail](#) [Subscribe](#) [Configure](#)

Configure this software

Choose a fulfillment option and software version to launch this software.

Fulfillment option

CloudFormation Template

CloudFormation Template
Deploy a complete solution configuration using a CloudFormation template

Cisco Identity Services Engine (ISE)

Software version

3.4.0 (Aug 07, 2024)

Whats in This Version

Cisco Identity Services Engine (ISE)
running on c5.4xlarge

[Learn more](#)

Region

US East (N. Virginia)

Pricing information

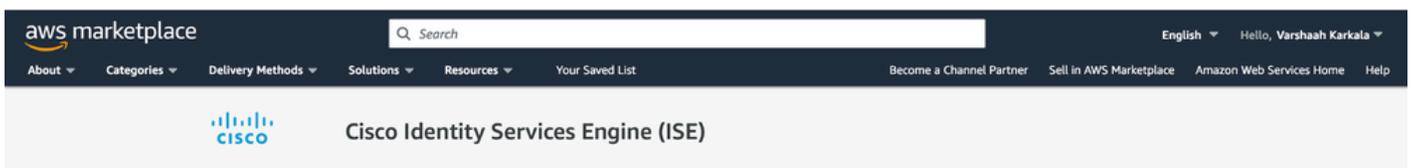
This is an estimate of typical software and infrastructure costs based on your configuration. Your actual charges for each statement period may differ from this estimate.

Software Pricing

Cisco Identity Services Engine (ISE) **\$0 /hr**

BYOL
running on c5.4xlarge

5.在下一頁上，選擇啟動CloudFormation作為操作。



[Product Detail](#) [Subscribe](#) [Configure](#) [Launch](#)

Launch this software

Review the launch configuration details and follow the instructions to launch this software.

Configuration details

Fulfillment option Cisco Identity Services Engine (ISE)
Cisco Identity Services Engine (ISE)
running on c5.4xlarge

Software version 3.4.0

Region US East (N. Virginia)

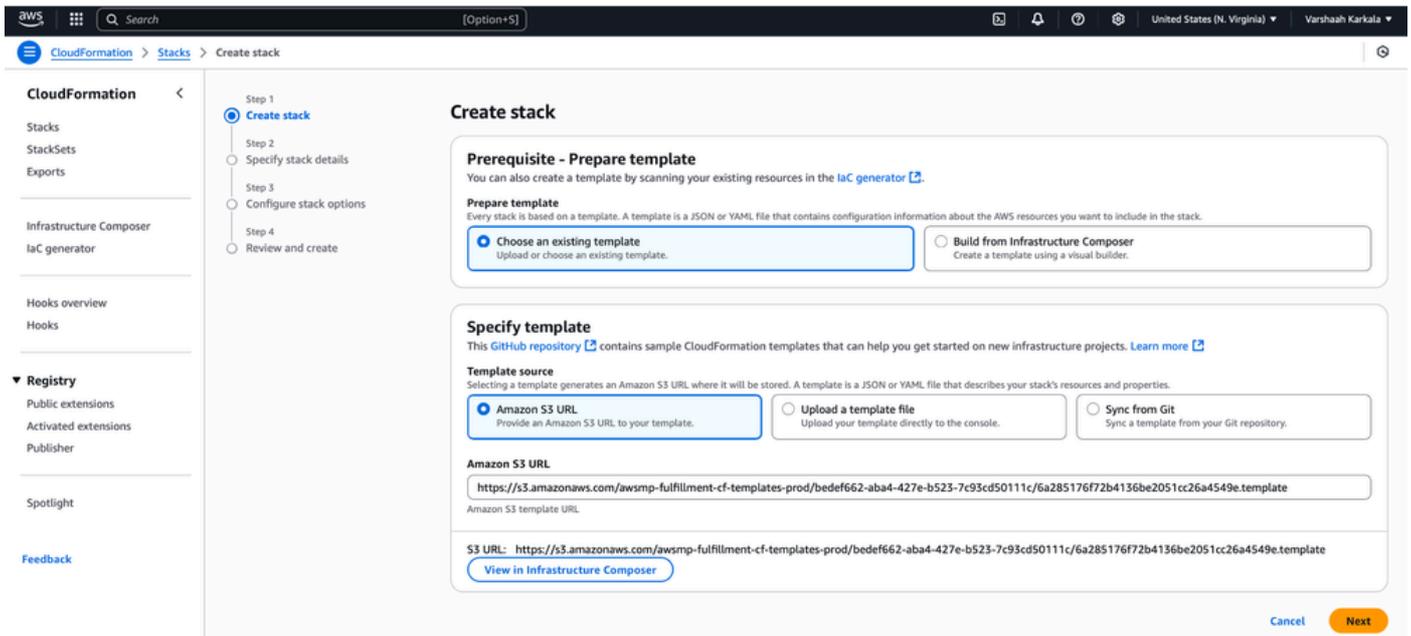
[Usage instructions](#)

Choose Action

Launch CloudFormation Choose this action to launch your configuration through the AWS CloudFormation console.

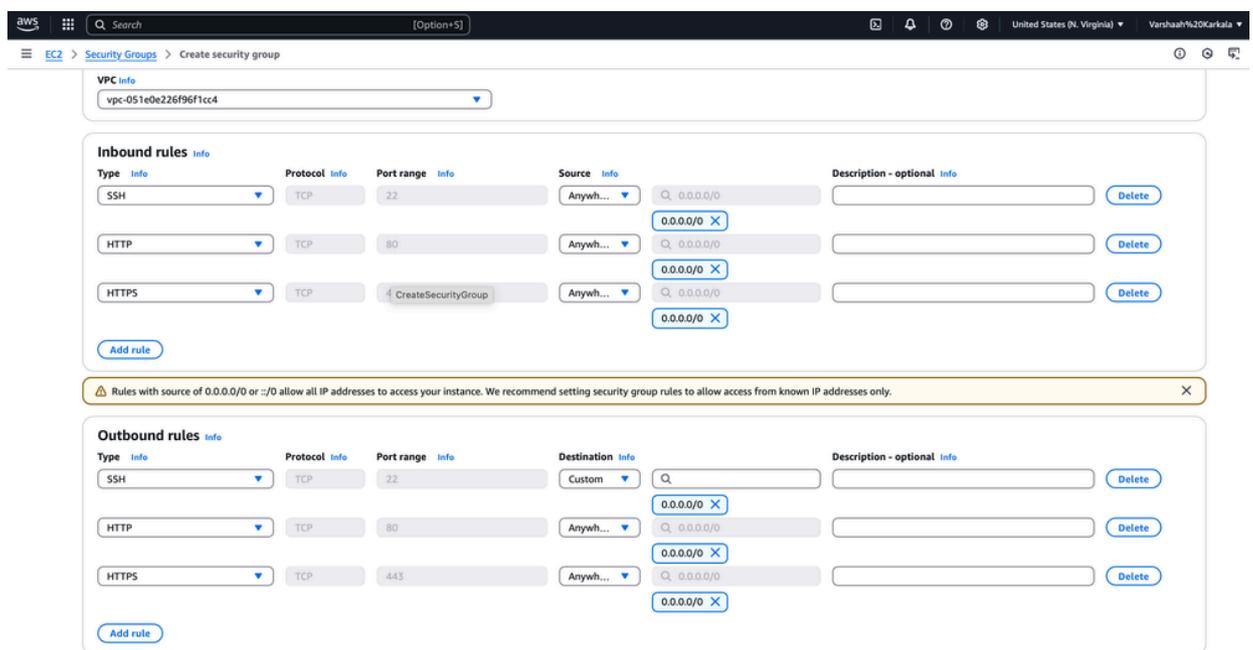
Launch

6.在「堆疊設定」下，保留預設設定，然後按一下「下一步」。



7. 輸入所需的引數：

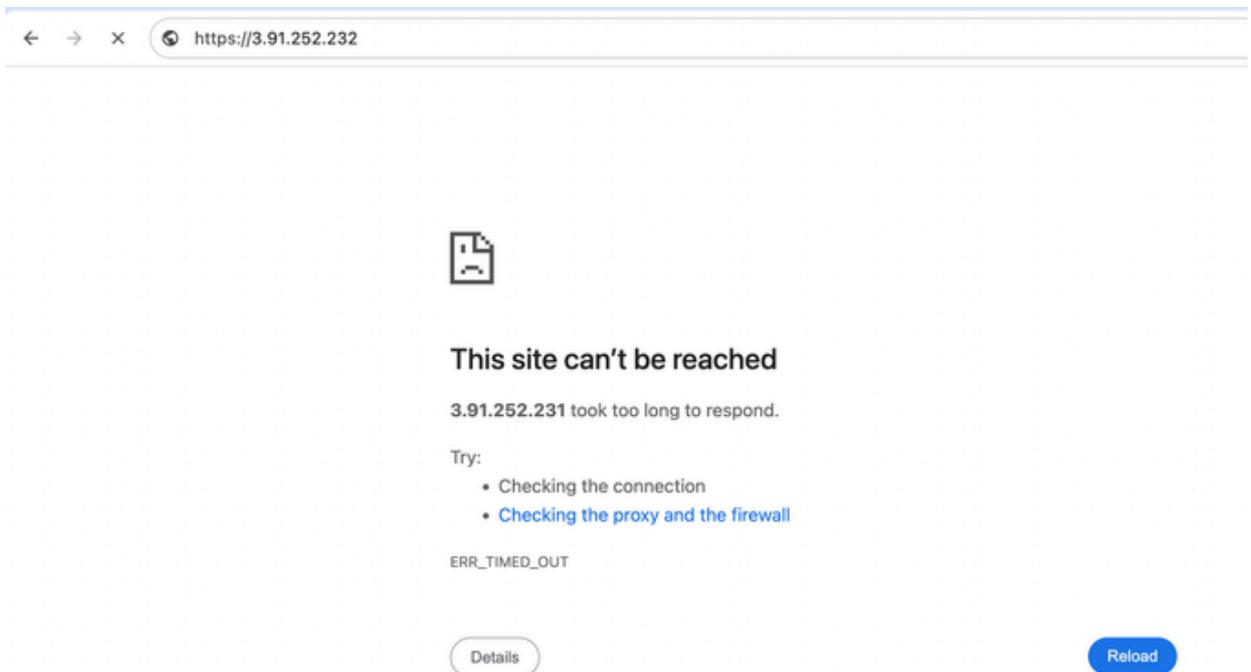
- 堆疊名稱: 為堆疊提供唯一名稱。
- 主機名: 為ISE節點分配主機名。
- 金鑰對: 選擇生成的金鑰對或預先存在的金鑰對，以便以後訪問EC2例項。
- 管理安全組:
 - 使用預設安全組（如下所示）或通過EC2控制面板建立自定義安全組。
 - 要建立新的安全組，請導航到EC2 Dashboard，然後轉到Network and Security > Security Groups以建立新的安全組。
 - 點選建立安全組並輸入所需的詳細資訊。
 - 確保將安全組配置為允許所需的入站和出站流量。例如，從IP地址啟用SSH（埠22）訪問以進行CLI訪問。



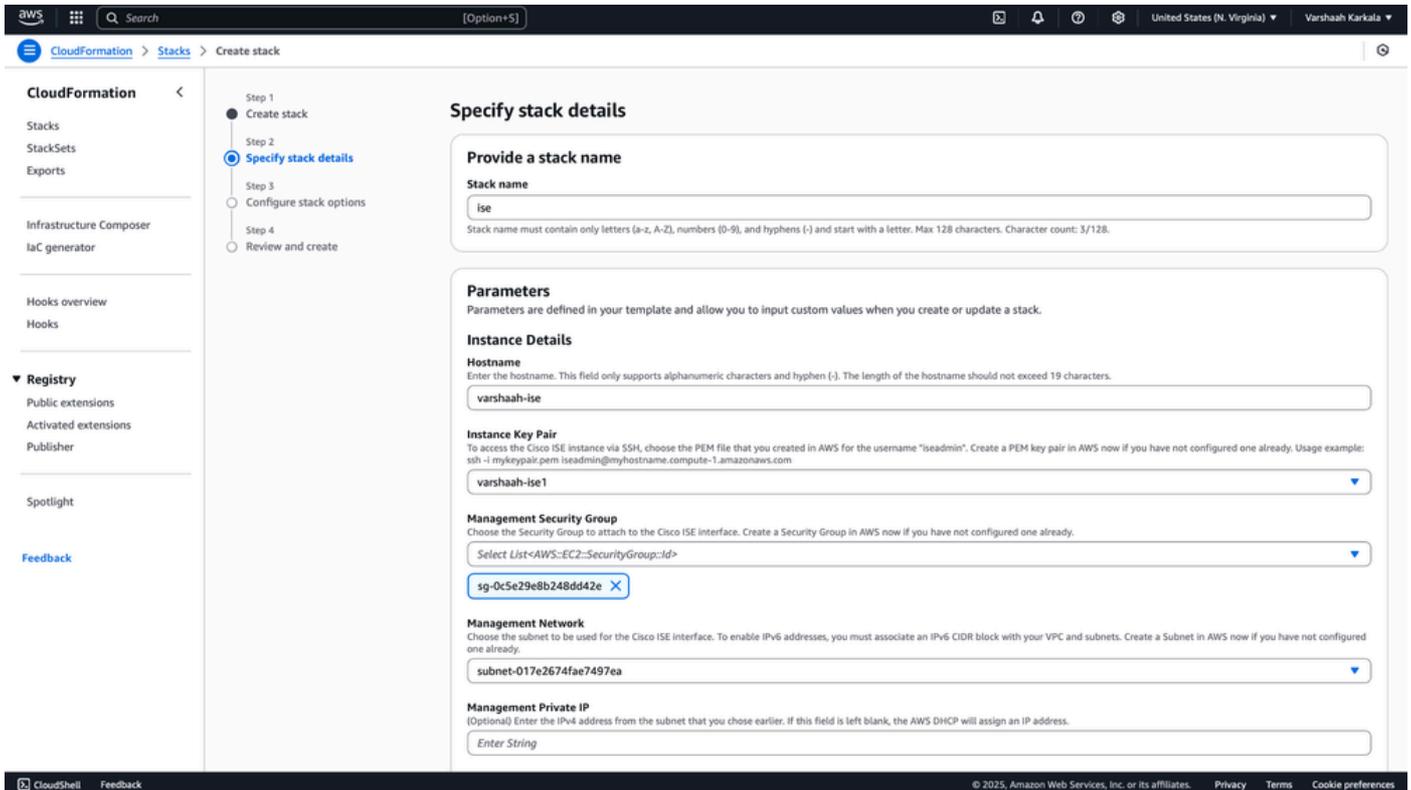
- 如果未正確配置SSH訪問，則在嘗試通過SSH進行連線時可能會遇到「Operation timed out」錯誤。

```
[redacted] -M-L63P Downloads % chmod 400 varshaah-ise1.pem  
[redacted] -M-L63P Downloads % ssh -i varshaah-ise1.pem admin@3.91.252.232  
  
ssh: connect to host 3.91.252.232 port 22: Operation timed out
```

- 如果未配置HTTP/HTTPS訪問，則在嘗試訪問GUI時可能會看到「無法訪問該站點」錯誤。



- 管理網路：選擇預先存在的子網之一。



如果您的設計需要分散式部署，其中有些節點託管在AWS中，而另一些則託管在內部部署，請配置專用于網專用的VPC，並建立到內部VPN頭端裝置的VPN隧道以啟用AWS託管和內部ISE節點之間的連線。

有關配置VPN頭端裝置的詳細步驟，請參閱[本指南](#)。

8. EBS加密

- 向下滾動以查詢EBS加密設定。
- 將EBS Encryption設定為False，除非您有特定的加密需要。

EBS Encryption

Choose true to enable EBS encryption.

false

KMS key for encryption

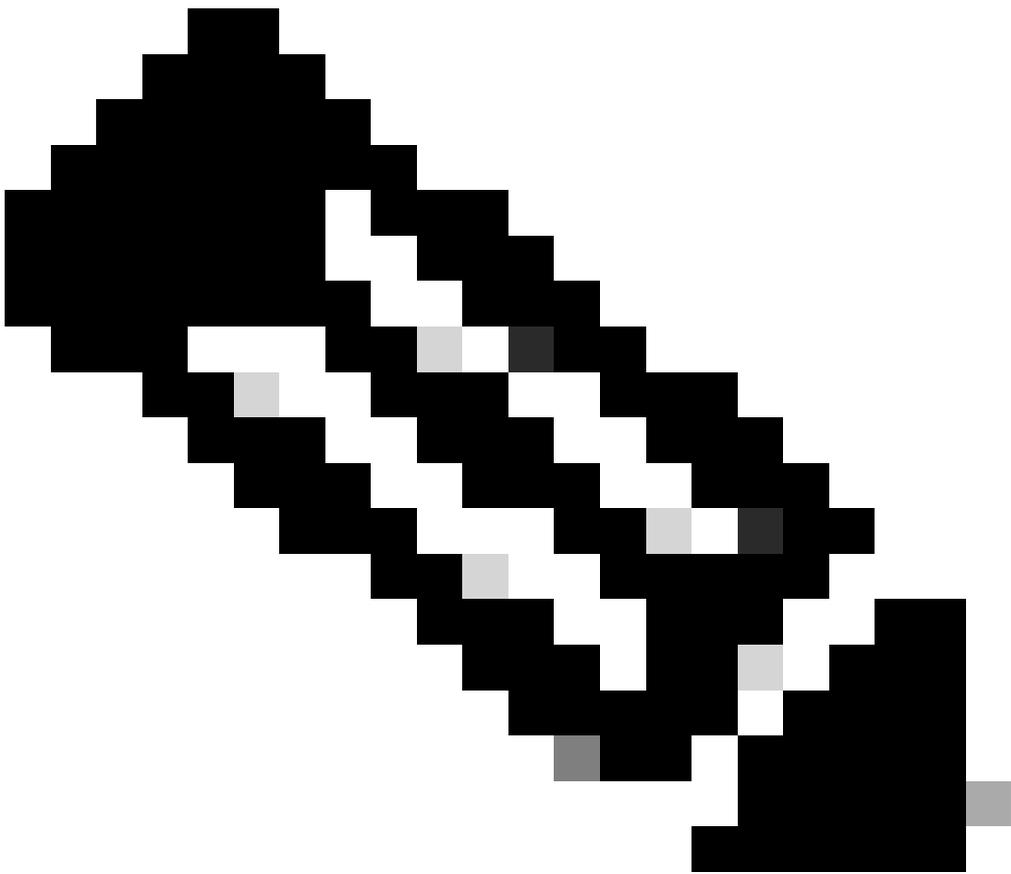
Enter the KMS Key Id/ARN/Alias for encryption (Applicable only if EBSEncryption is "true")

Enter String

9. 網路配置：

- 向下滾動以訪問配置網路設定的選項，例如DNS域、主名稱伺服器 and 主NTP伺服器。

確保正確輸入這些值。



附註：此處的語法不正確可能會阻止ISE服務在部署後正確啟動。

Network Configuration

DNS Domain

Enter a domain name in correct syntax (for example, cisco.com). The valid characters for this field are ASCII characters, numerals, hyphen (-), and period (.). If you use the wrong syntax, Cisco ISE services might not come up on launch.

Primary Name Server

Enter the IP address of the primary name server in correct syntax. If you use the wrong syntax, Cisco ISE services might not come up on launch.

Secondary Name Server

(Optional) Enter the IP address of the secondary name server in correct syntax. If you use the wrong syntax, Cisco ISE services might not come up on launch.

Tertiary Name Server

(Optional) Enter the IP address of the tertiary name server in correct syntax. If you use the wrong syntax, Cisco ISE services might not come up on launch.

Primary NTP Server

Enter the IP address or hostname of the primary NTP server in correct syntax (for example, time.nist.gov). Your entry is not verified on submission. If you use the wrong syntax, Cisco ISE services might not come up on launch.

Secondary NTP Server

(Optional) Enter the IP address or hostname of the secondary NTP server in correct syntax (for example, time.nist.gov). Your entry is not verified on submission. If you use the wrong syntax, Cisco ISE services might not come up on launch.

Tertiary NTP Server

(Optional) Enter the IP address or hostname of the tertiary NTP server in correct syntax (for example, time.nist.gov). Your entry is not verified on submission. If you use the wrong syntax, Cisco ISE services might not come up on launch.

10.服務和使用者詳細資訊：

- 向下滾動以找到用於啟用ERS和pxGrid服務的選項
- 通過選擇yes或no選擇是否啟用ERS和pxGrid服務。
- 在User Details下，設定預設admin使用者的密碼。

Services

ERS

Do you wish to enable ERS?

pxGrid

Do you wish to enable pxGrid?

pxGrid Cloud

Do you wish to enable pxGrid Cloud?

User Details

Enter Password

Enter a password for the username "iseadmin". The password must be aligned with the Cisco ISE password policy. The configured password is used for Cisco ISE GUI access. Warning: The password is displayed in plaintext in the User Data section of the Instance settings window in the AWS Console.

Confirm Password

Retype Password

- 按「Next」（下一步）。

11.配置堆疊選項：

- 保留所有預設選項，然後按一下下一步。

Step 1
● Create stack

Step 2
● Specify stack details

Step 3
● **Configure stack options**

Step 4
○ Review and create

Configure stack options

Tags - optional
Tags (key-value pairs) are used to apply metadata to AWS resources, which can help in organizing, identifying, and categorizing those resources. You can add up to 50 unique tags for each stack.
No tags associated with the stack.
[Add new tag](#)
You can add 50 more tag(s)

Permissions - optional
Specify an existing AWS Identity and Access Management (IAM) service role that CloudFormation can assume.
IAM role - optional
Choose the IAM role for CloudFormation to use for all operations performed on the stack.
IAM role name [Remove](#)

Stack failure options
Behavior on provisioning failure
Specify the roll back behavior for a stack failure. [Learn more](#)
 Roll back all stack resources
Roll back the stack to the last known stable state.
 Preserve successfully provisioned resources
Preserves the state of successfully provisioned resources, while rolling back failed resources to the last known stable state. Resources without a last known stable state will be deleted upon the next stack operation.
Delete newly created resources during a rollback
Specify whether resources that were created during a failed operation should be deleted regardless of their deletion policy. [Learn more](#)
 Use deletion policy
Retains or deletes created resources according to their attached deletion policy.
 Delete all newly created resources
Deletes created resources during a rollback regardless of their attached deletion policy.

Additional settings
You can set additional options for your stack, like notification options and a stack policy. [Learn more](#)

▶ **Stack policy - optional**
Defines the resources that you want to protect from unintentional updates during a stack update.

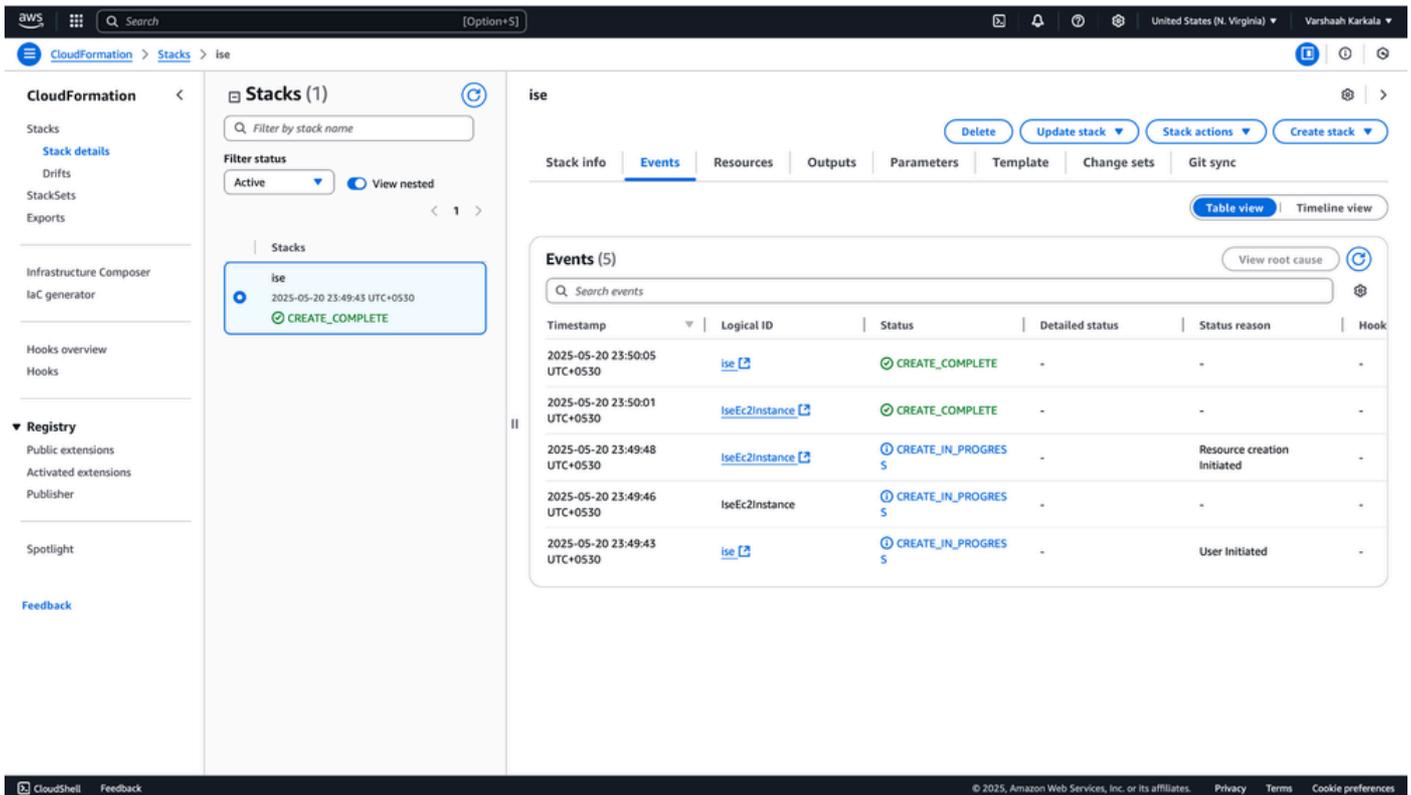
▶ **Rollback configuration - optional**
Specify alarms for CloudFormation to monitor when creating and updating the stack. If the operation breaches an alarm threshold, CloudFormation rolls it back.

▶ **Notification options - optional**
Specify a new or existing Amazon Simple Notification Service topic where notifications about stack events are sent.

▶ **Stack creation options - optional**
Specify the timeout and termination protection options for stack creation.

[Cancel](#) [Previous](#) [Next](#)

12. 複查模板以確保所有配置均正確，然後按一下Submit。模板構建後，它與以下示例類似：



13. 存取堆疊詳細資訊：

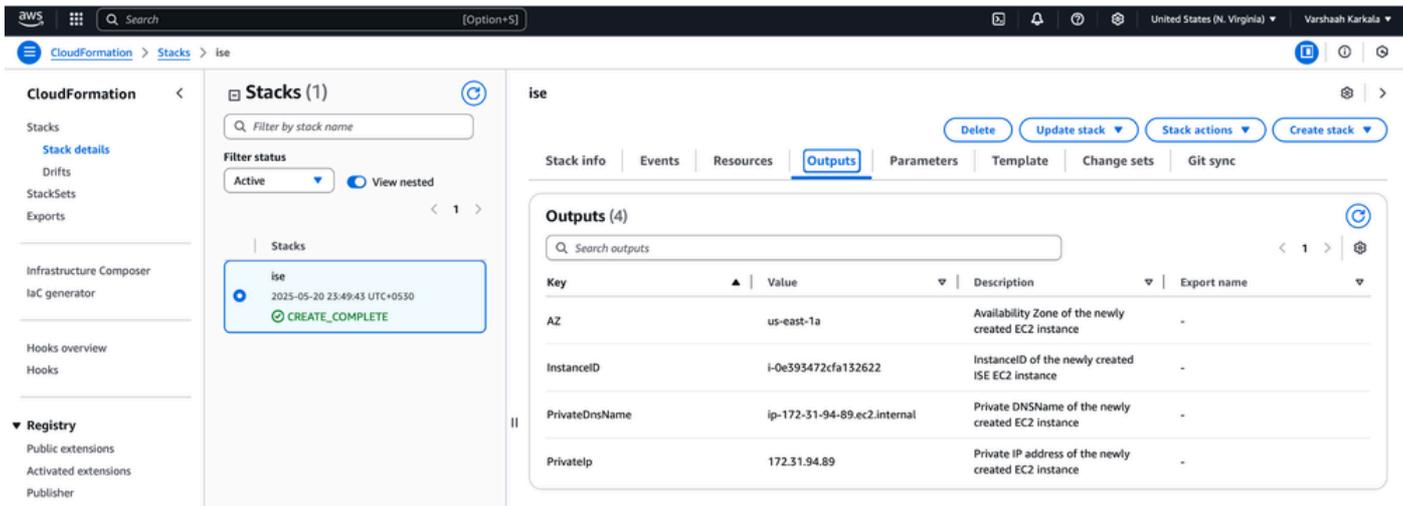
導航到AWS管理控制檯中的CloudFormation服務，然後轉到Stacks部分。從清單中找到已部署的堆疊。

14. 「檢視輸出」頁籤：

選擇堆疊並開啟輸出索引標籤。在這裡，您可以找到在部署過程中生成的重要資訊，例如：

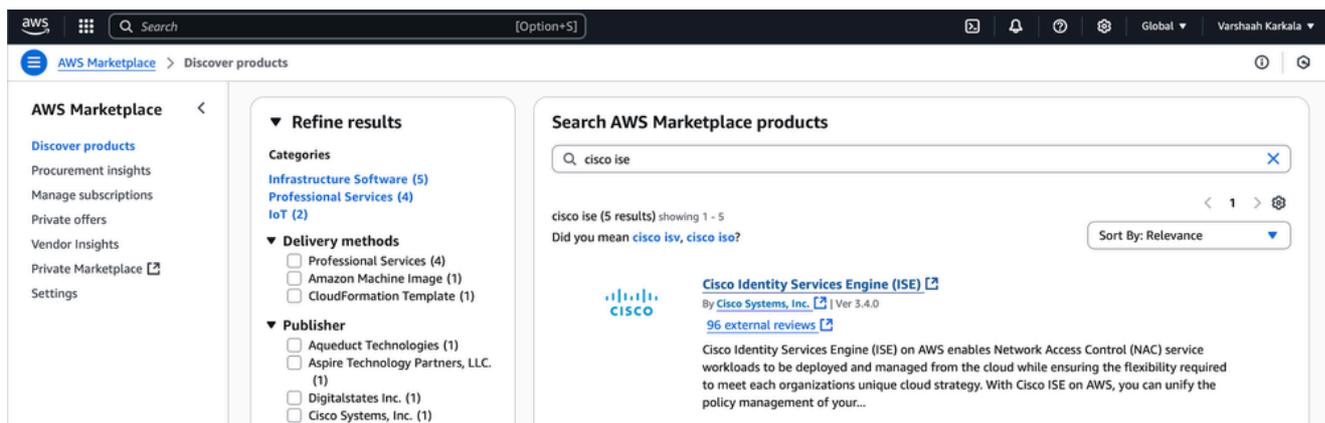
- 可用區:部署資源的區域。
- 例項ID:已部署例項的唯一識別符號。
- DNS名稱:例項的專用DNS名稱，可用於遠端訪問。
- IP 位址:例項的公有IP地址或私有IP地址，取決於您的配置。

此資訊可幫助您連線到例項並驗證其可用性。「輸出」頁籤與以下示例類似：



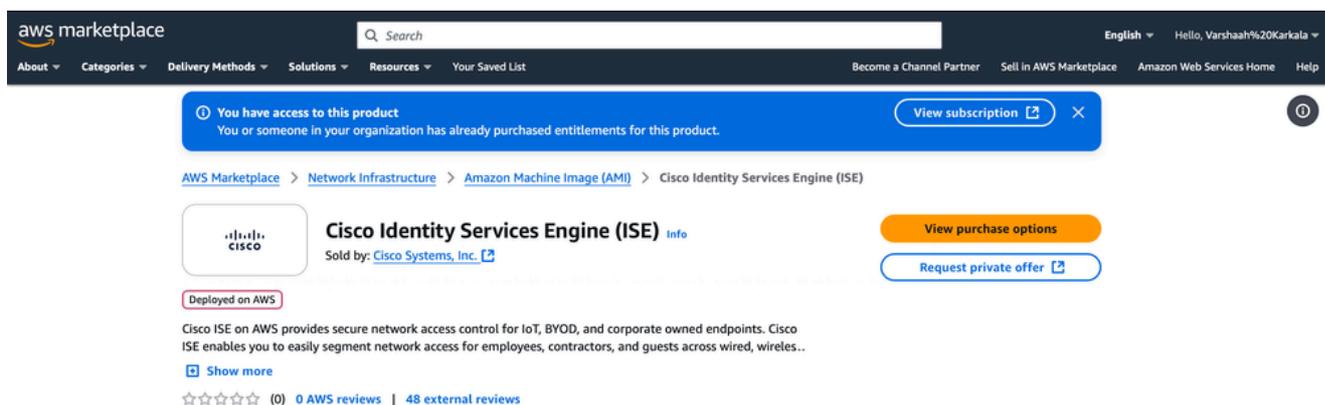
第3部分：使用Amazon Machine Image(AMI)配置ISE

1. 登入[AWS管理控制檯](#)並搜尋AWS Marketplace訂閱。
2. 在搜尋欄中，輸入「cisco ise」，然後從結果中選擇Cisco Identity Services Engine(ISE)。



AWS Marketplace上的ISE

3. 按一下View purchase options。



4. 按一下啟動軟體。

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About Categories Delivery Methods Solutions Resources Your Saved List Become a Channel Partner Sell in AWS Marketplace Amazon Web Services Home Help

AWS Marketplace > Cisco Identity Services Engine (ISE) > Subscribe to Cisco Identity Services Engine (ISE)

Subscribe to Cisco Identity Services Engine (ISE) Info

To create a subscription, review the pricing information and accept the terms for this software.

Offer details Info

Offer ID basttrzv6xwc4yn2uup6bh730	Offered by Cisco Systems, Inc.	Offer type Public	Deployed on AWS Yes
--	--	-----------------------------	-------------------------------

You've already accepted this offer
Your AWS Marketplace agreement was created. You can launch your software or [Manage subscriptions](#).

[Launch your software](#)

5. 在Fulfillment Option下，選擇Amazon Machine Image。選擇所需的軟體版本和AWS區域，然後按一下Continue to Launch。

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Cisco Identity Services Engine (ISE)

[Continue to Launch](#)

[Product Detail](#) [Subscribe](#) [Configure](#)

Configure this software

Choose a fulfillment option and software version to launch this software.

Fulfillment option

Amazon Machine Image Amazon Machine Image
Deploy a vendor-provided Amazon Machine Image (AMI) on Amazon EC2

64-bit (x86) Amazon Machine Image (AMI)

Software version

3.4.0 (Aug 07, 2024)

Region

US East (N. Virginia)

Use of Local Zones or WaveLength infrastructure deployment may alter your final pricing.

Ami Id: ami-07946ba1cee1ca94a

Ami Alias: /aws/service/marketplace/prod-7wsm5sh6ugdle/3.4.0 [Learn More](#) **New**

Product Code: basttrzv6xwc4yn2uup6bh730

[Release notes](#) (updated August 7, 2024)

Pricing information

This is an estimate of typical software and Infrastructure costs based on your configuration. Your actual charges for each statement period may differ from this estimate.

Software Pricing

Cisco Identity Services Engine (ISE) **BYOL** running on c5.4xlarge \$0 /hr

Infrastructure Pricing

EC2: 1 * c5.4xlarge
Monthly Estimate: \$490.00/month

6. 在Choose Action下拉選單中，選擇通過EC2啟動，然後按一下Launch以繼續。

[< Product Detail](#) [Subscribe](#) [Configure](#) [Launch](#)

Launch this software

Review the launch configuration details and follow the instructions to launch this software.

Configuration details

Fulfillment option	64-bit (x86) Amazon Machine Image (AMI) Cisco Identity Services Engine (ISE) <i>running on c5.4xlarge</i>
Software version	3.4.0
Region	US East (N. Virginia)

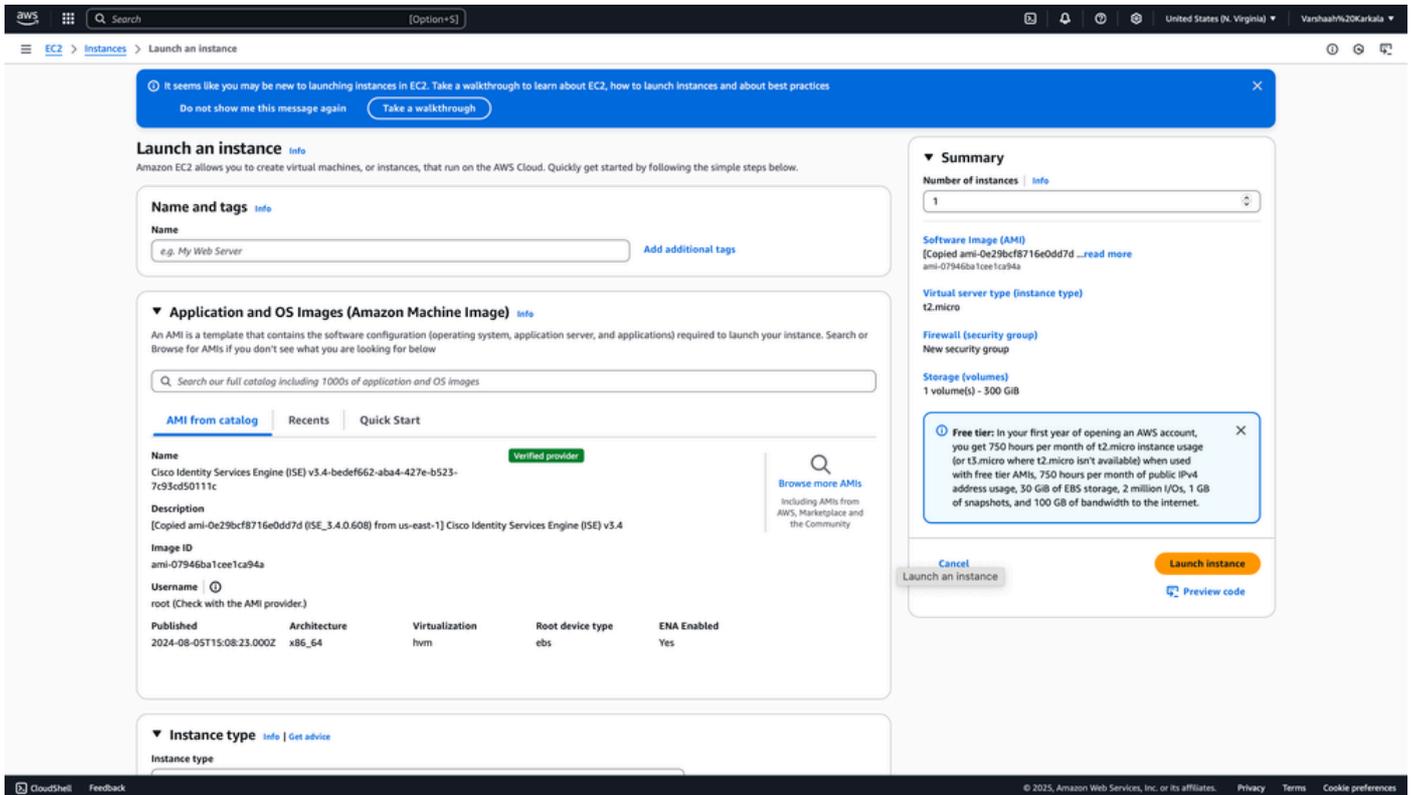
[Usage instructions](#)

Choose Action

Choose this action to launch your configuration through the Amazon EC2 console.

[Launch](#)

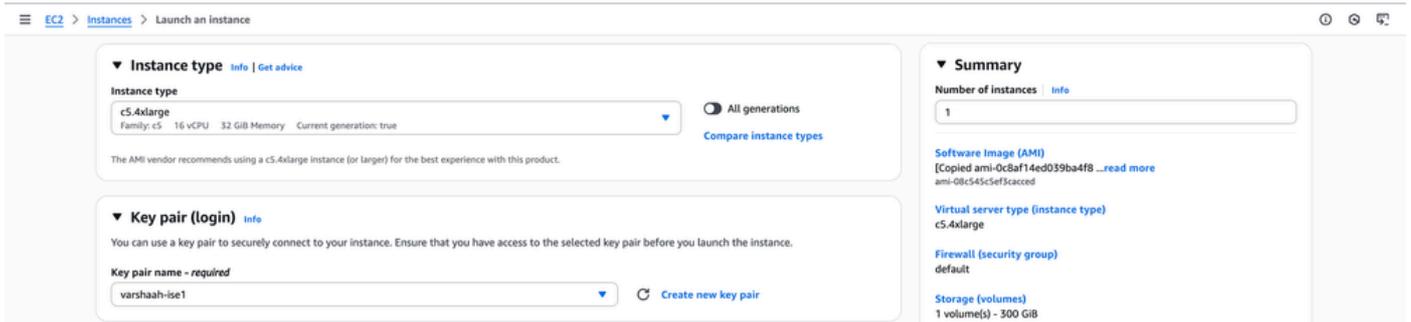
7. 您將重定向到EC2 Launch an Instance頁面以配置您的例項設定。



8. 向下滾動至例項型別部分，並根據您的部署要求選擇適當的例項型別。

在Key pair(login)下，選擇之前生成的金鑰對或建立新的金鑰對（請參閱前面提供的金鑰對建立步驟）。

將Number of Instances設定為1。



9. 在「Network settings(網路設定)」部分：

- 根據需要配置VPC和子網。
- 對於Security Group，請選擇現有組或建立新組（如示例所示）。

▼ Network settings [Info](#) Edit

Network | [Info](#)
vpc-062e0871c3312f6ad

Subnet | [Info](#)
No preference (Default subnet in any availability zone)

Auto-assign public IP | [Info](#)
Enable
Additional charges apply when outside of free tier allowance

Firewall (security groups) | [Info](#)
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Common security groups | [Info](#)
 ▼

default sg-0b902ad2c151f2773
VPC: vpc-062e0871c3312f6ad

[Compare security group rules](#)

Security groups that you add or remove here will be added to or removed from all your network interfaces.

10. 在配置儲存部分，配置所需的卷大小。

範例：600 GiB(使用gp2卷型別)。

▼ Configure storage [Info](#) Advanced

1x GiB ▼ Root volume, Not encrypted

↻
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

11. 在Advanced Details部分中，根據部署的要求配置任何其他設定，例如IAM例項配置檔案、使用者資料或關機行為。

▼ **Advanced details** [Info](#)

Domain join directory | [Info](#)

Select ▼

[Create new directory](#)

IAM instance profile | [Info](#)

Select ▼

[Create new IAM profile](#)

Hostname type | [Info](#)

IP name ▼

DNS Hostname | [Info](#)

- Enable IP name IPv4 (A record) DNS requests
- Enable resource-based IPv4 (A record) DNS requests
- Enable resource-based IPv6 (AAAA record) DNS requests

Instance auto-recovery | [Info](#)

Default ▼

Shutdown behavior | [Info](#)

Stop ▼

Stop - Hibernate behavior | [Info](#)

Disable ▼

Termination protection | [Info](#)

Disable ▼

Stop protection | [Info](#)

Select ▼

Detailed CloudWatch monitoring | [Info](#)

Disable ▼

Credit specification | [Info](#)

Standard ▼

Placement group | [Info](#)

Select ▼

[Create new placement group](#)

EBS-optimized instance | [Info](#)

Disable ▼

Instance bandwidth configuration | [Info](#)

Default ▼

Purchasing option | [Info](#)

- None
- Capacity Blocks
Launch instances for your active capacity blocks
- Spot instances
Request Spot Instances at the Spot price, capped at the On-Demand price

Capacity reservation | [Info](#)

None ▼

Tenancy | [Info](#)

Dedicated - run a dedicated instance ▼

[Additional charges apply](#)

12. 在「後設資料版本」部分：

- 對於ISE版本3.4及更高版本，請選擇V2 only (需要令牌) — 這是推薦的選項。
- 對於低於3.4的ISE版本，請選擇V1和V2 (可選令牌) 以確保相容性。

RAM disk ID | [Info](#)

Select ▼

Kernel ID | [Info](#)

Select ▼

Nitro Enclave | [Info](#)

Select ▼

License configurations | [Info](#)

Select ▼



CPU options | [Info](#)

Configure CPUs for your instance to optimize performance and save on licensing costs.

- Use default CPU options
 Specify CPU options

Default active vCPUs

16

Total vCPUs

16

Metadata accessible | [Info](#)

Enabled ▼

Metadata IPv6 endpoint | [Info](#)

Select ▼

Metadata version | [Info](#)

V2 only (token required) ▼

For V2 requests, you must include a session token in all instance metadata requests. Applications or agents that use V1 for instance metadata access will break.

Metadata response hop limit | [Info](#)

Select

Allow tags in metadata | [Info](#)

Select ▼

13.在User data欄位中，提供ISE例項的初始配置引數，包括主機名、DNS、NTP伺服器、時區、ERS和管理員憑據。

範例：

hostname=varshaahise2

primarynameserver=x.x.x.x

dnsdomain=varshaah.local

ntpserver=x.x.x.x

時區=亞洲/加爾各答

username=admin

password=lse@123

ersEnabled=true

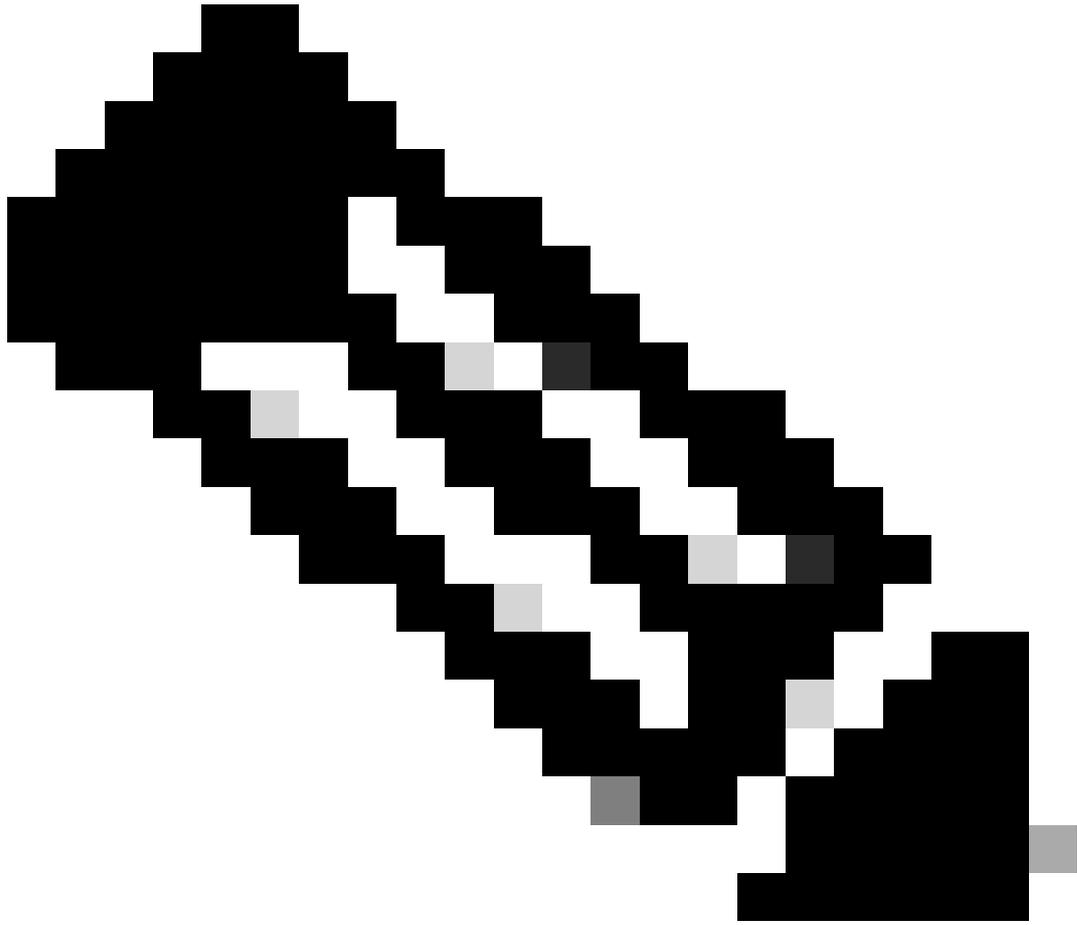
User data - optional | Info

Upload a file with your user data or enter it in the field.

 Choose file

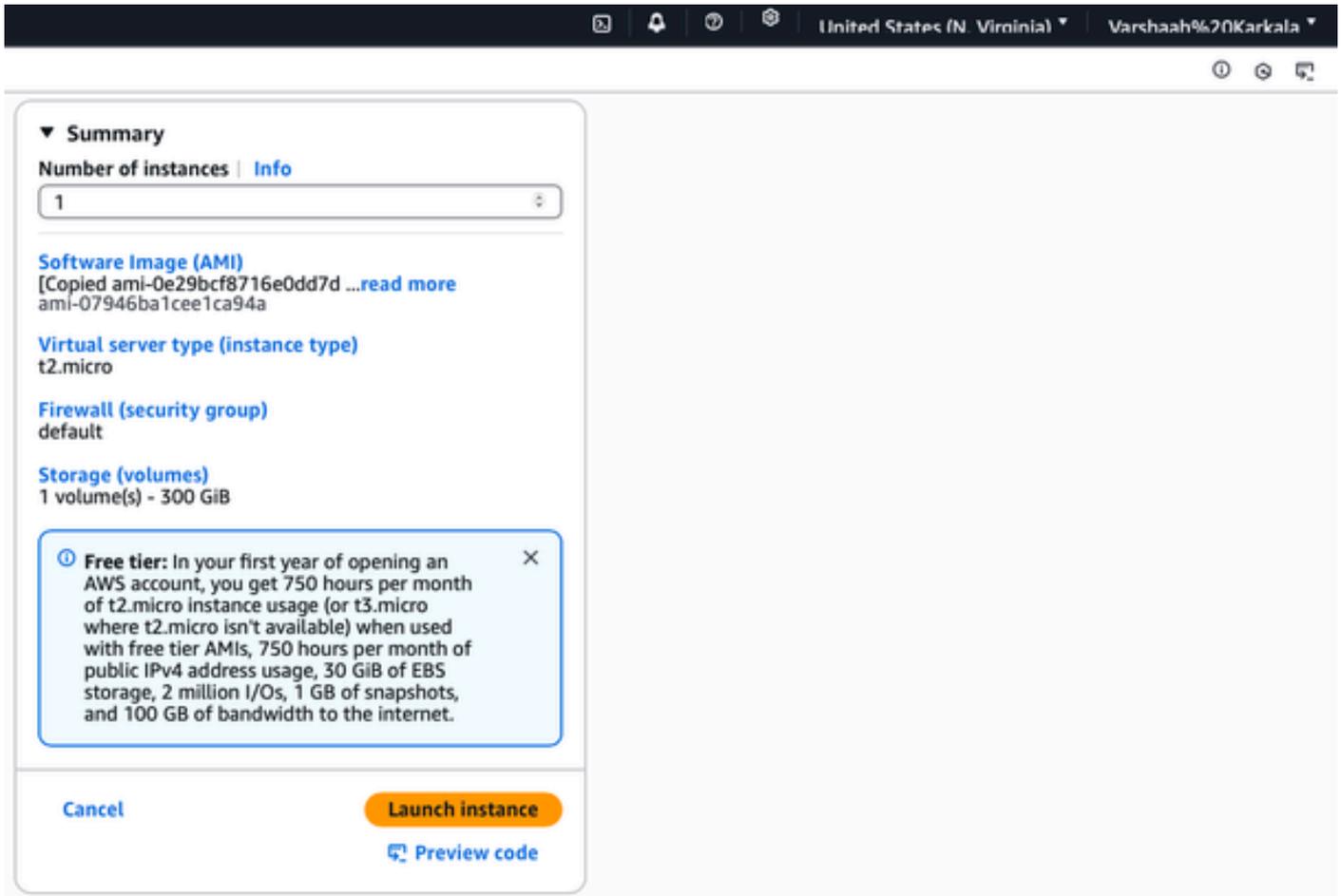
```
hostname=varshaahise2
primarynameserver=x.x.x.x
dnsdomain=varshaah.local
ntpserver=x.x.x.x
timezone=Asia/Kolkata
username=admin
password=lse@123
ersEnabled=true
```

User data has already been base64 encoded

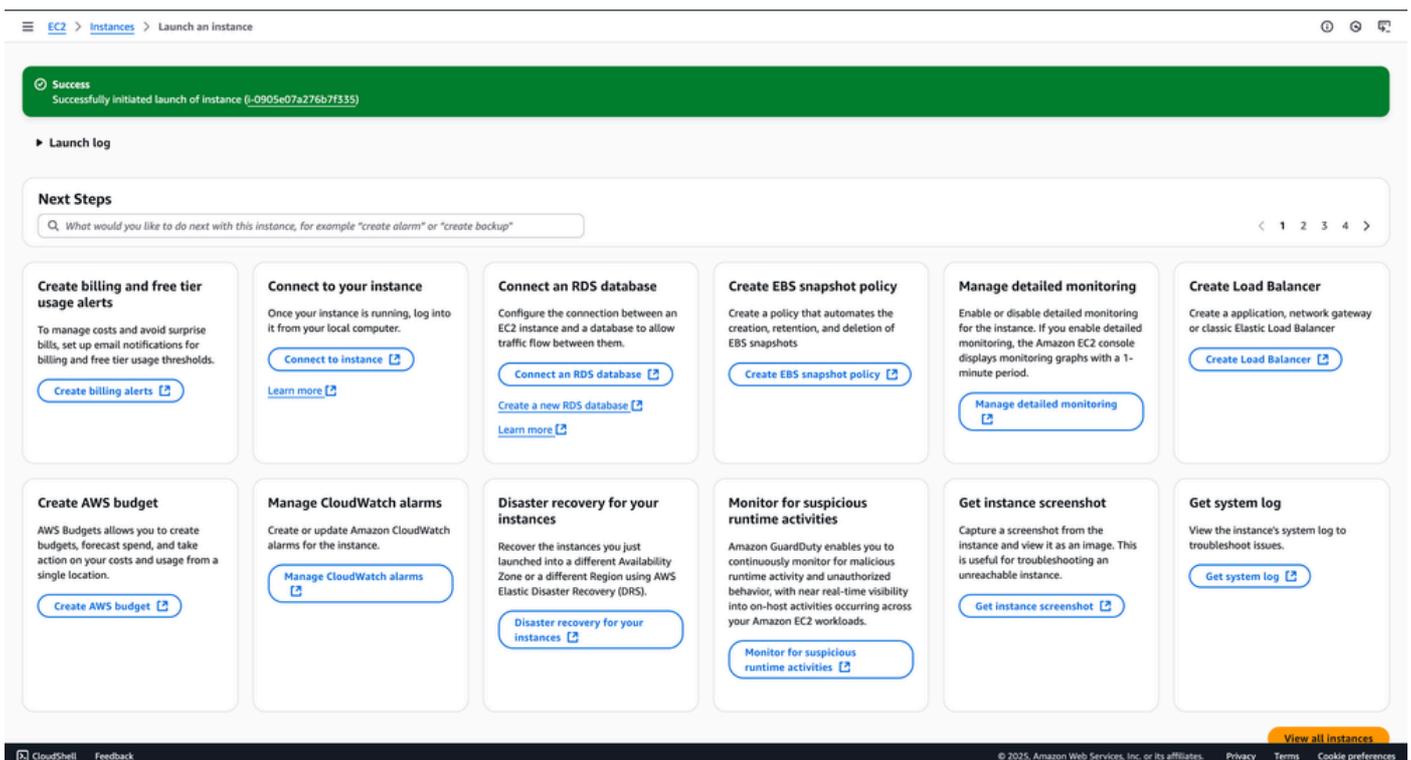


附註：確保密碼符合思科ISE密碼策略。

輸入使用者資料並完成配置後，按一下Launch Instance。



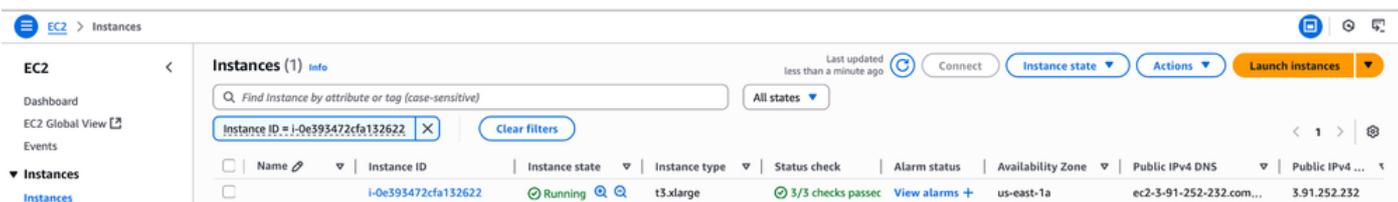
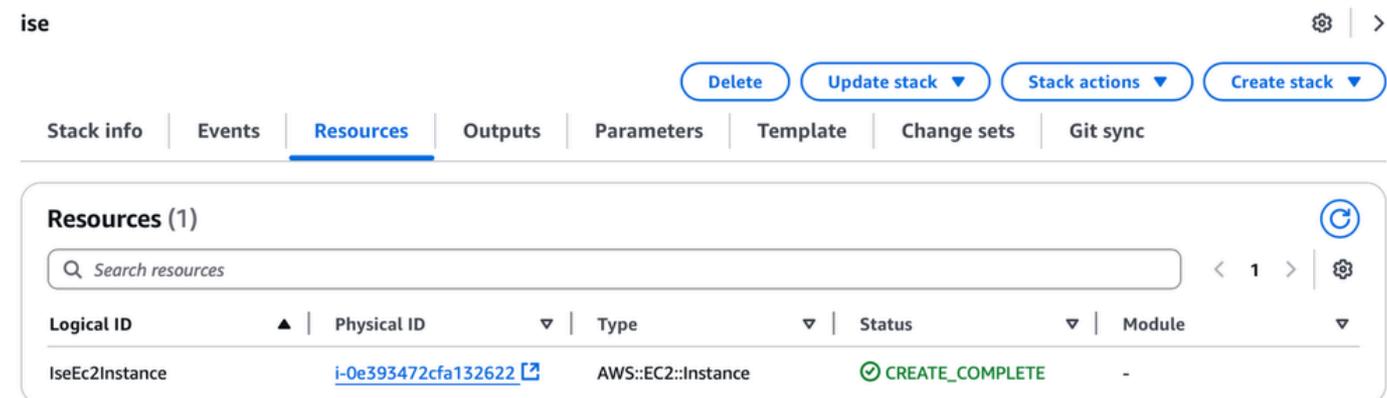
14. 啟動例項後，出現確認消息，說明：'已成功啟動例項<instance_name>'。這表示啟動過程已成功啟動。



驗證

訪問使用CFT構建的ISE例項

轉到CloudFormation堆疊中的Resources頁籤，然後按一下Physical ID。它將您重定向至EC2控制面板，您可以在其中檢視例項。



訪問使用AMI構建的ISE例項

按一下View all Instances導航到EC2例項頁。在此頁上，驗證Status Check顯示為3/3檢查通過，表明例項已啟動且運行正常。

EC2 > Instances > Launch an Instance

Success
Successfully initiated launch of instance (i-0905e07a276b7f335)

► Launch log

Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"

Create billing and free tier usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

[Create billing alerts](#)

Connect to your instance

Once your instance is running, log into it from your local computer.

[Connect to instance](#)

[Learn more](#)

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

[Connect an RDS database](#)

[Create a new RDS database](#)

[Learn more](#)

Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots

[Create EBS snapshot policy](#)

Manage detailed monitoring

Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs with a 1-minute period.

[Manage detailed monitoring](#)

Create Load Balancer

Create an application, network gateway or classic Elastic Load Balancer

[Create Load Balancer](#)

Create AWS budget

AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a single location.

[Create AWS budget](#)

Manage CloudWatch alarms

Create or update Amazon CloudWatch alarms for the instance.

[Manage CloudWatch alarms](#)

Disaster recovery for your instances

Recover the instances you just launched into a different Availability Zone or a different Region using AWS Elastic Disaster Recovery (DRS).

[Disaster recovery for your instances](#)

Monitor for suspicious runtime activities

Amazon GuardDuty enables you to continuously monitor for malicious runtime activity and unauthorized behavior, with near real-time visibility into on-host activities occurring across your Amazon EC2 workloads.

[Monitor for suspicious runtime activities](#)

Get instance screenshot

Capture a screenshot from the instance and view it as an image. This is useful for troubleshooting an unreachable instance.

[Get instance screenshot](#)

Get system log

View the instance's system log to troubleshoot issues.

[Get system log](#)

[View all instances](#)

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EC2 > Instances

Instances (1/2) Info Last updated less than a minute ago

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
<input checked="" type="checkbox"/> varshaahise2	i-0905e07a276b7f335	Running	c5.xlarge	Initializing	View alarms +	us-east-1b	ec2-54-82-163-30.com...	54.82.163.30	-
<input type="checkbox"/> varshaah-ise1	i-0596248f26084b3ce	Stopped	t2.micro	-	View alarms +	us-east-1d	-	-	-

訪問ISE GUI

ISE伺服器現在已成功部署。

要訪問ISE GUI，您需要在瀏覽器中使用例項的IP地址。由於預設IP是專用的，因此不能直接從Internet訪問。

檢查公共IP是否與例項相關聯：

- 導航到EC2 > Instances，然後選擇您的例項。
- 查詢「Public IPv4 address(公用IPv4地址)」欄位。

在這裡，我們可以看到可用於訪問ISE GUI的公共IP地址。

▼ Network Interfaces (1) Info

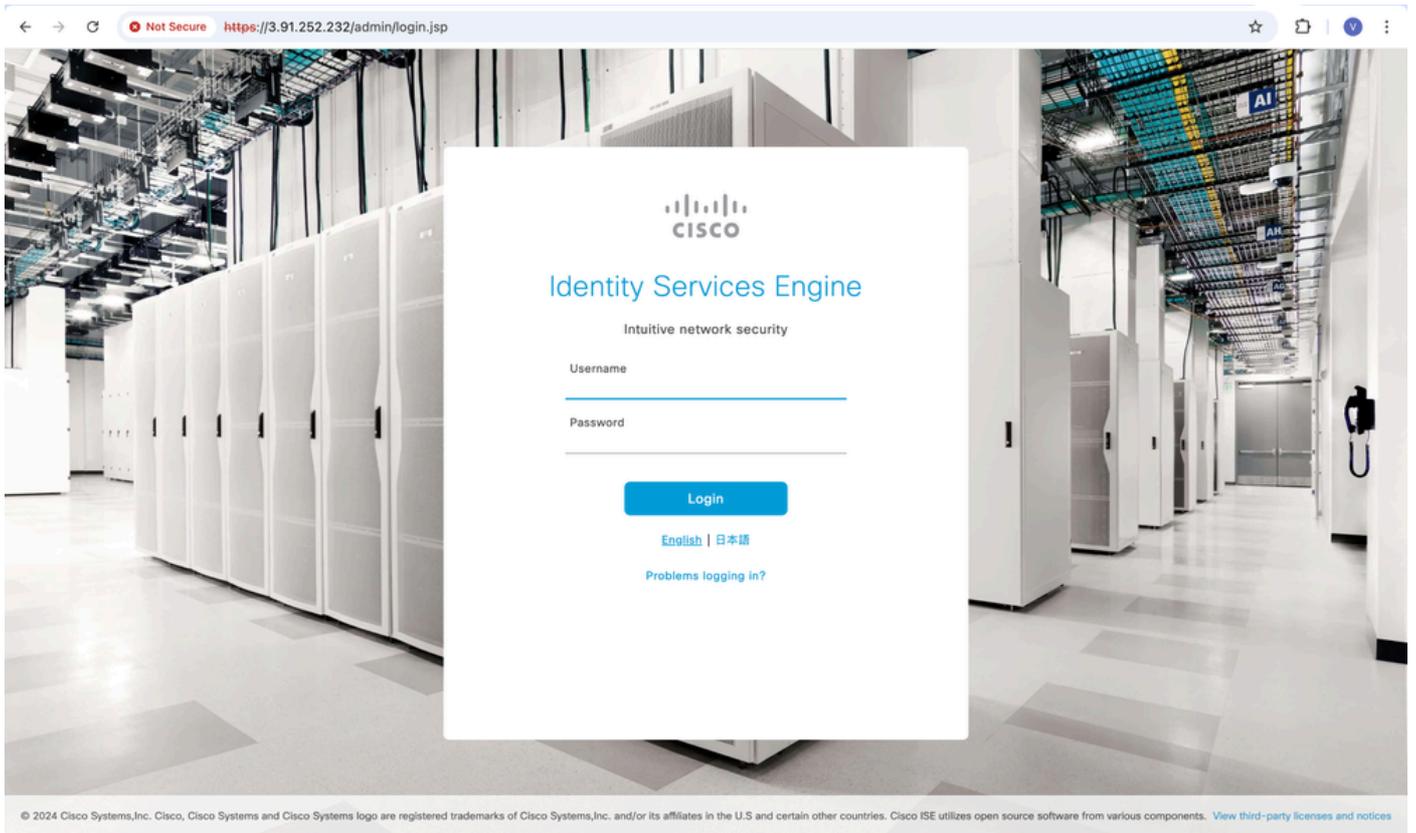
Instance details

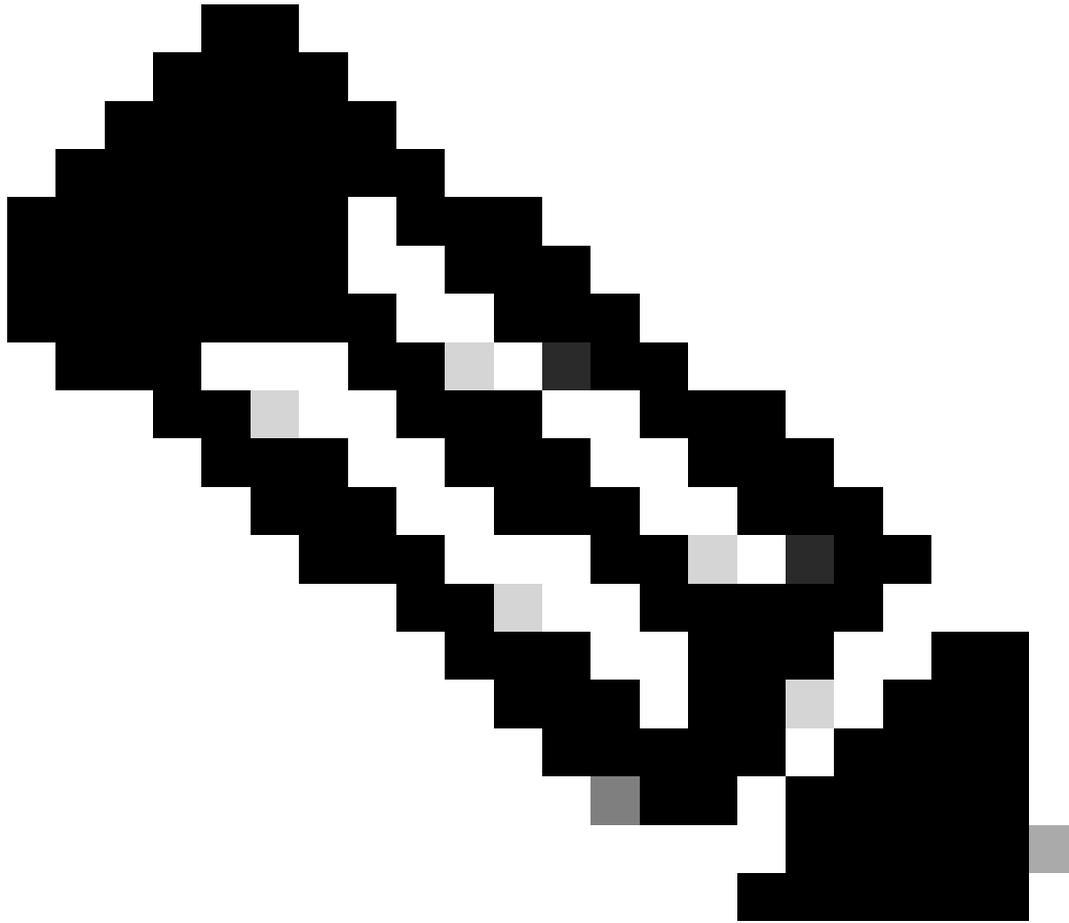
Filter network interfaces

Interface ID	Device index	Card index	Description	Public IPv4 address	Private IPv4 address	Private IPv4 DNS	IPv6 addresses	P
eni-076793d759bea26d7	0	0	-	3.91.252.232	172.31.94.89	ip-172-31-94-89.ec2...	-	-

開啟支援的瀏覽器（例如Chrome或Firefox），然後輸入公用IP地址。

系統將顯示ISE GUI登入頁面。





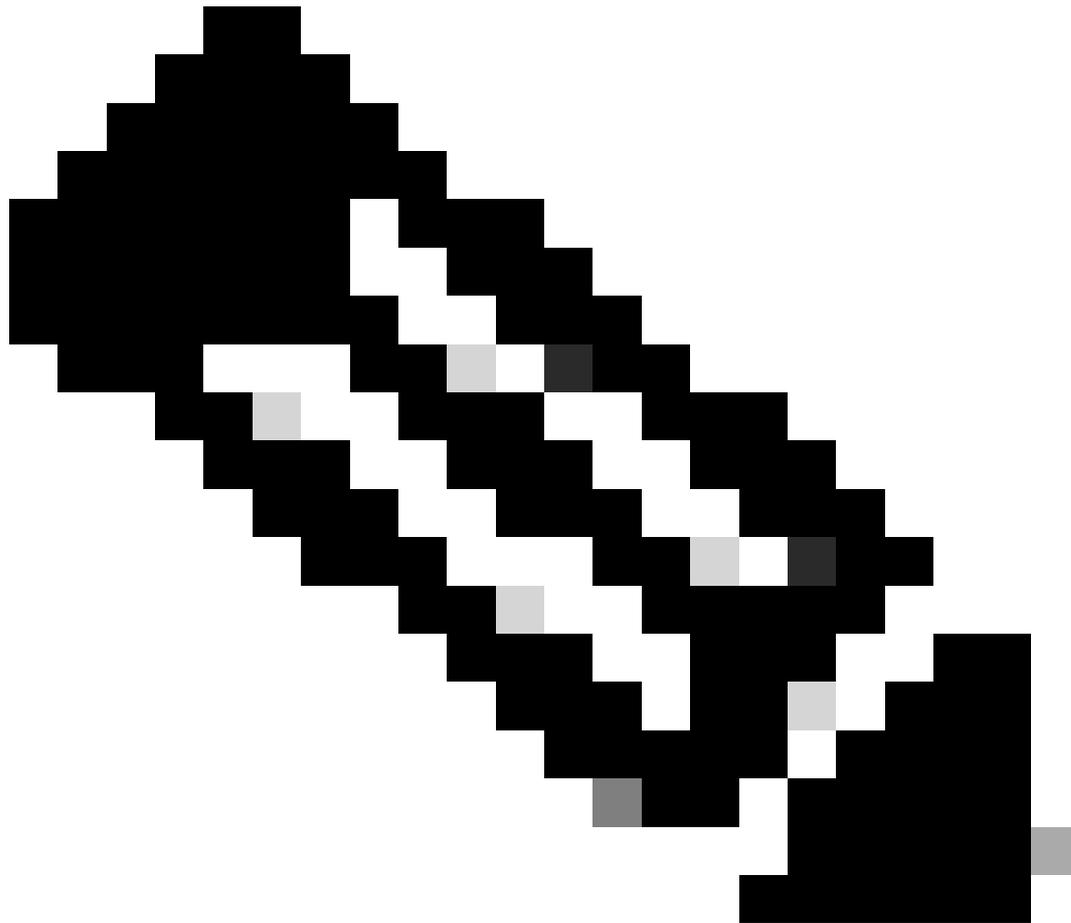
附註：SSH訪問可用後，ISE服務通常需要額外的10-15分鐘才能完全轉換到運行狀態。

從終端通過SSH訪問CLI

在EC2控制檯中，選擇您的例項，然後按一下Connect。

在SSH客戶端頁籤下，按照以下步驟操作：

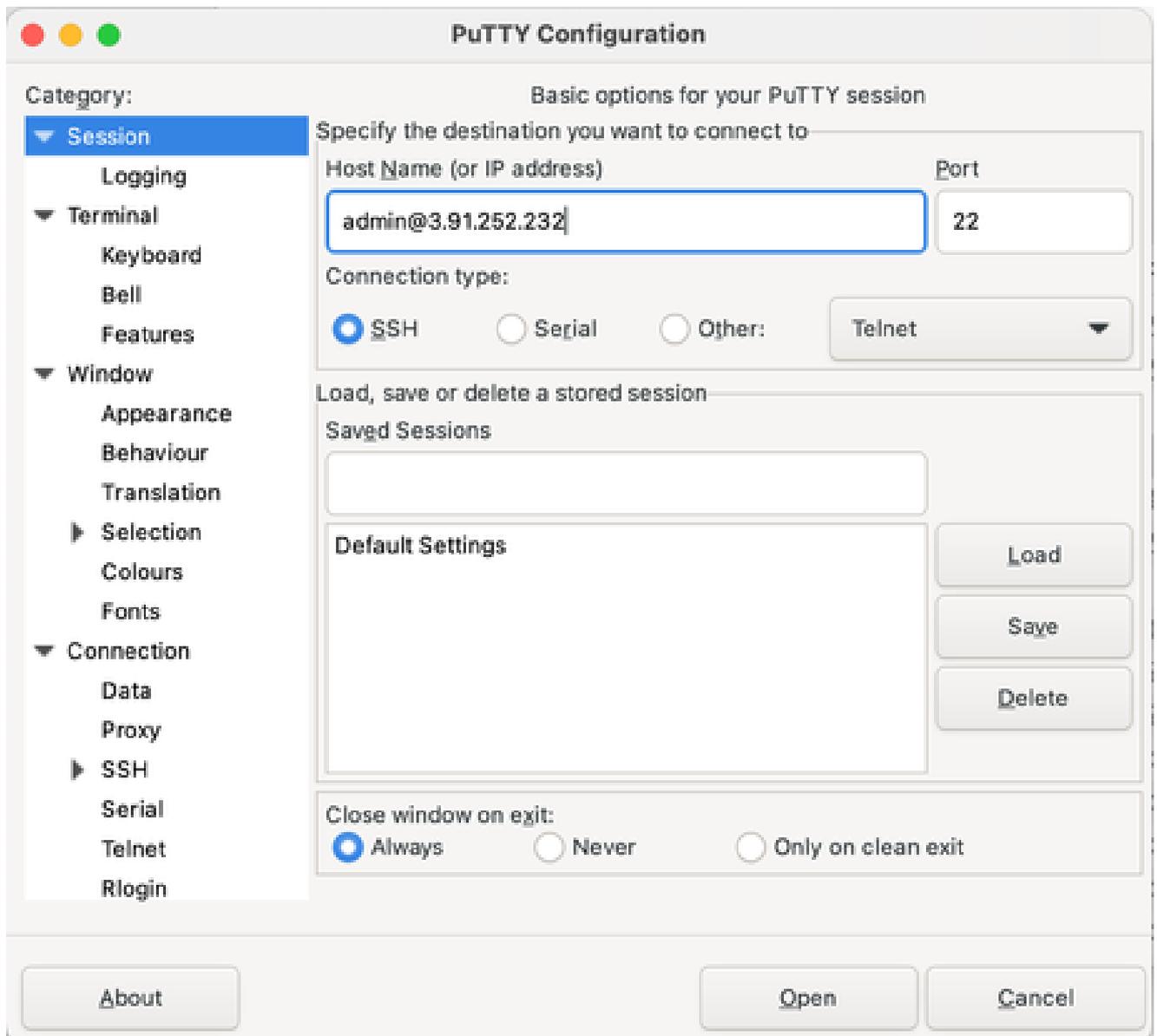
- 導覽至包含已下載.pem金鑰檔的文件夾。
- 運行以下命令：
 - `cd <path-to-key-file>`
 - `chmod 400 <your-key-pair-name>.pem`
 - `ssh -i "<your-key-pair-name>.pem" admin@<public-ip-address>`



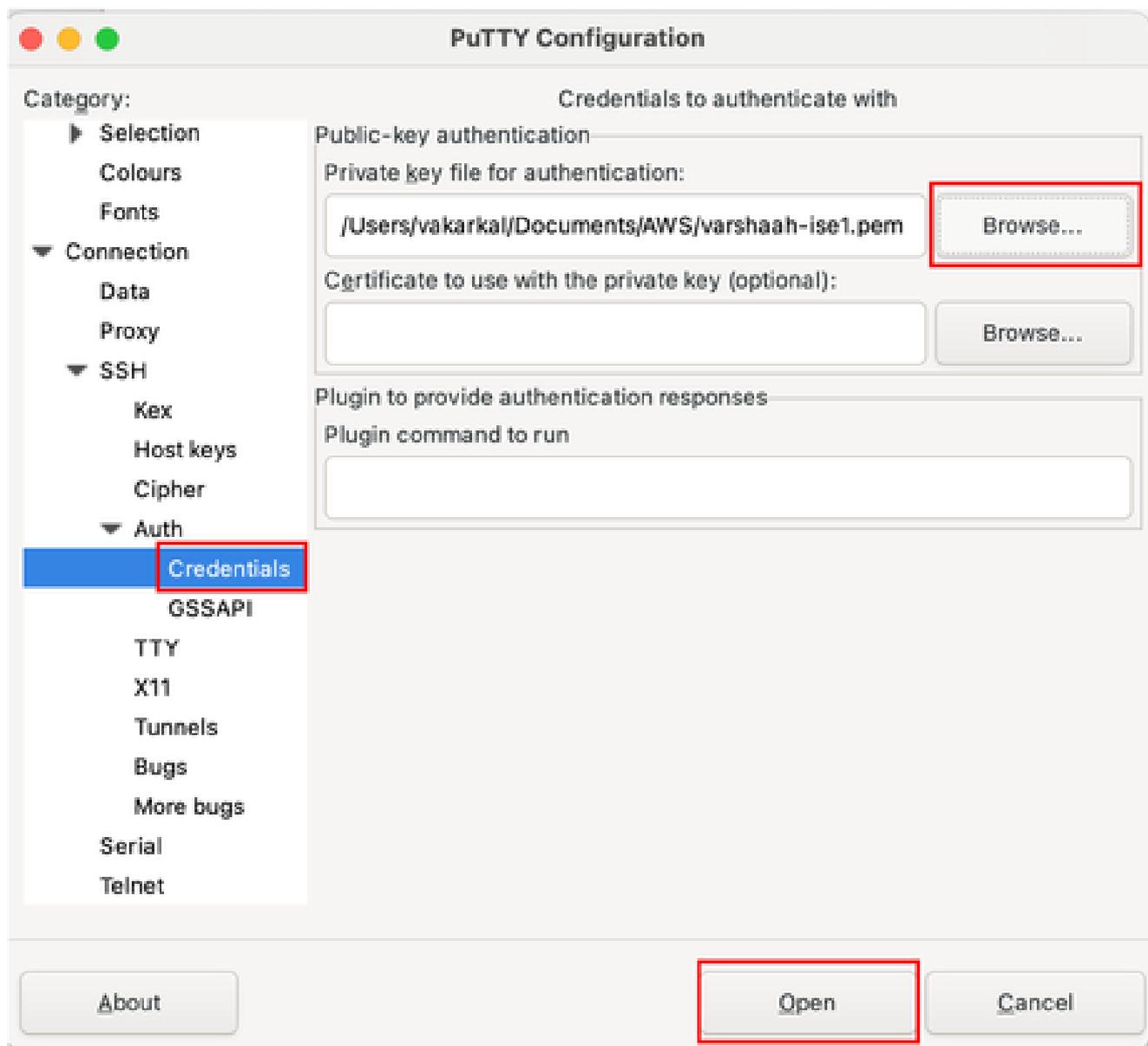
附註：使用admin作為SSH使用者，因為思科ISE通過SSH禁用根登入。

使用PuTy通過SSH訪問CLI

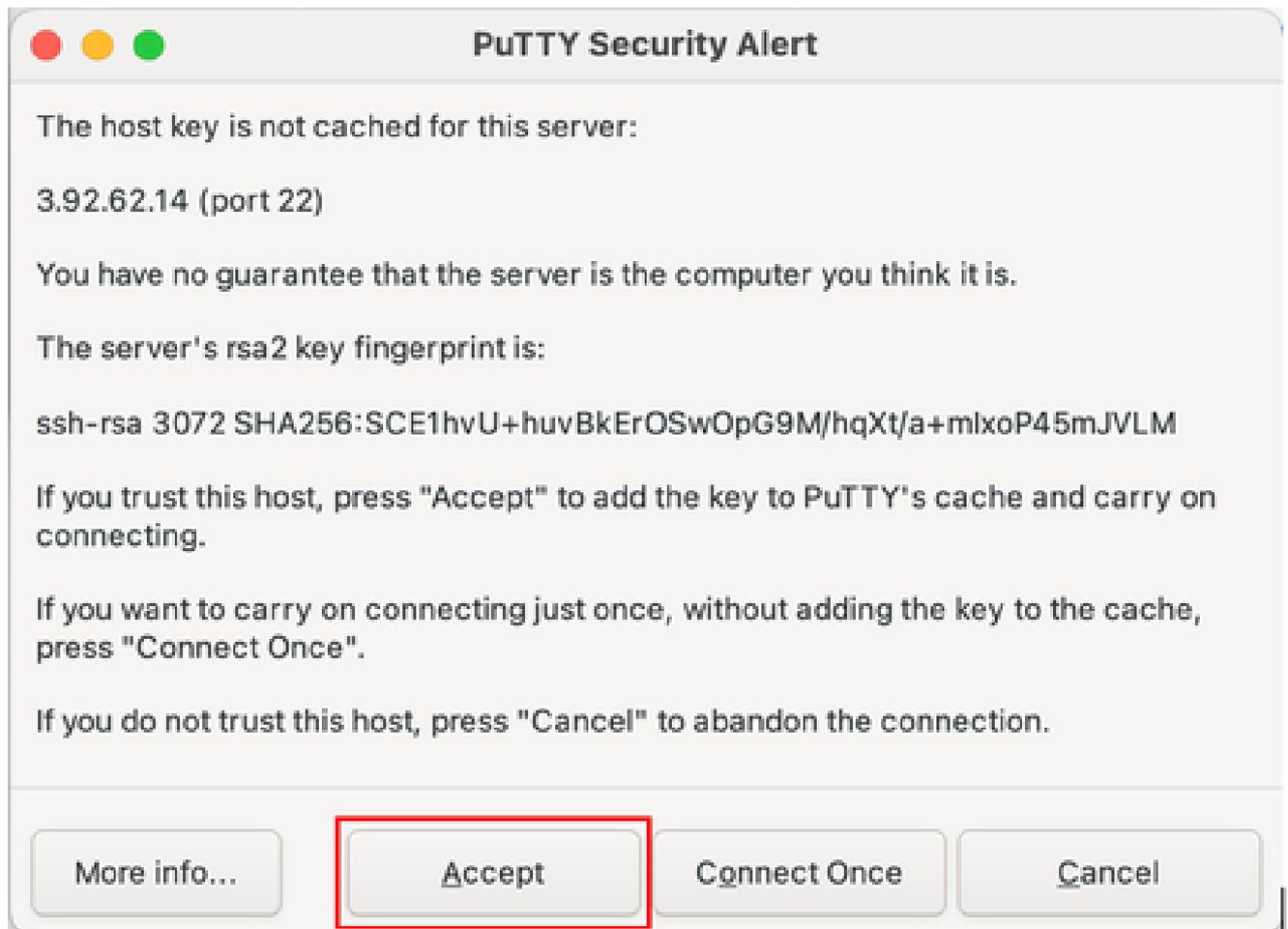
- 開啟PuTTY。
- 在「Host Name」欄位中，輸入：`admin@<public-ip-address>`



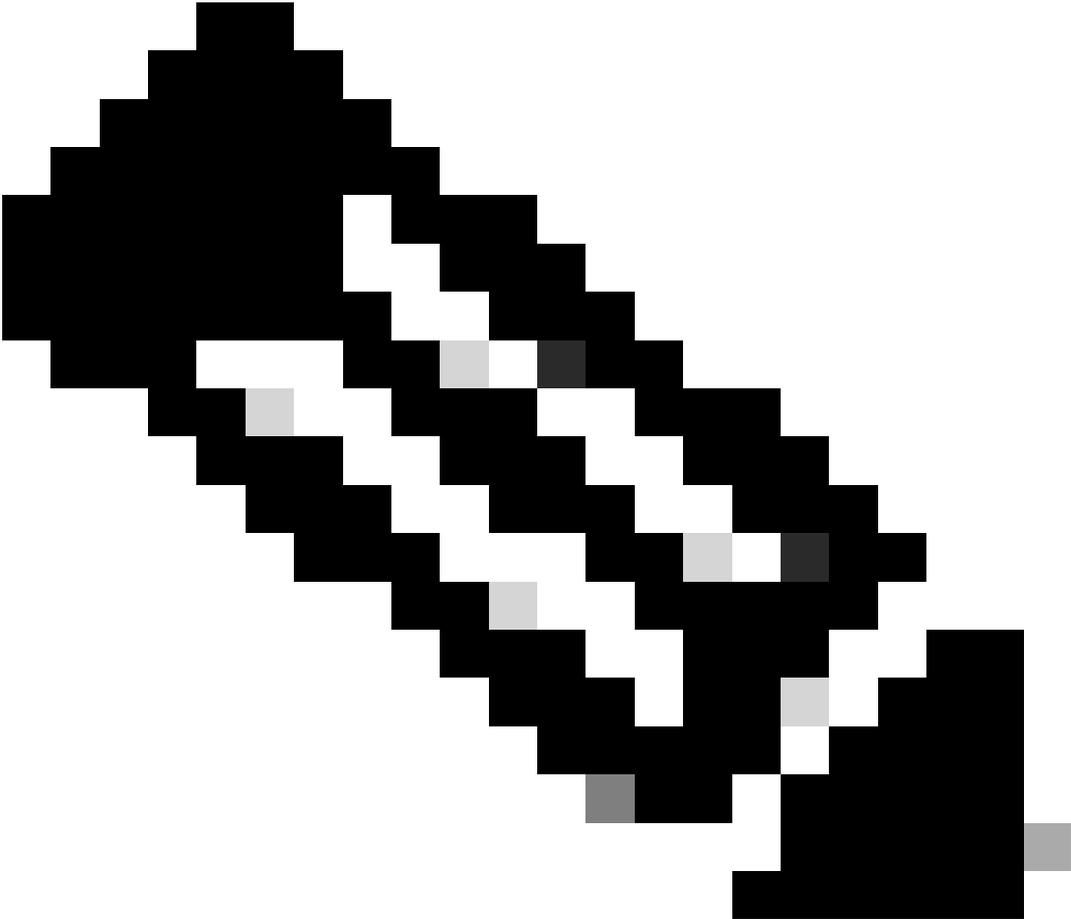
- 在左窗格中，導航到Connection > SSH > Auth > Credentials。
- 按一下Private key file for authentication旁邊的Browse，然後選擇您的SSH私鑰檔案。
- 按一下Open以啟動會話。



- 出現提示時，按一下Accept以確認SSH金鑰。



- 您的PuTTY會話現在連線到ISE CLI。

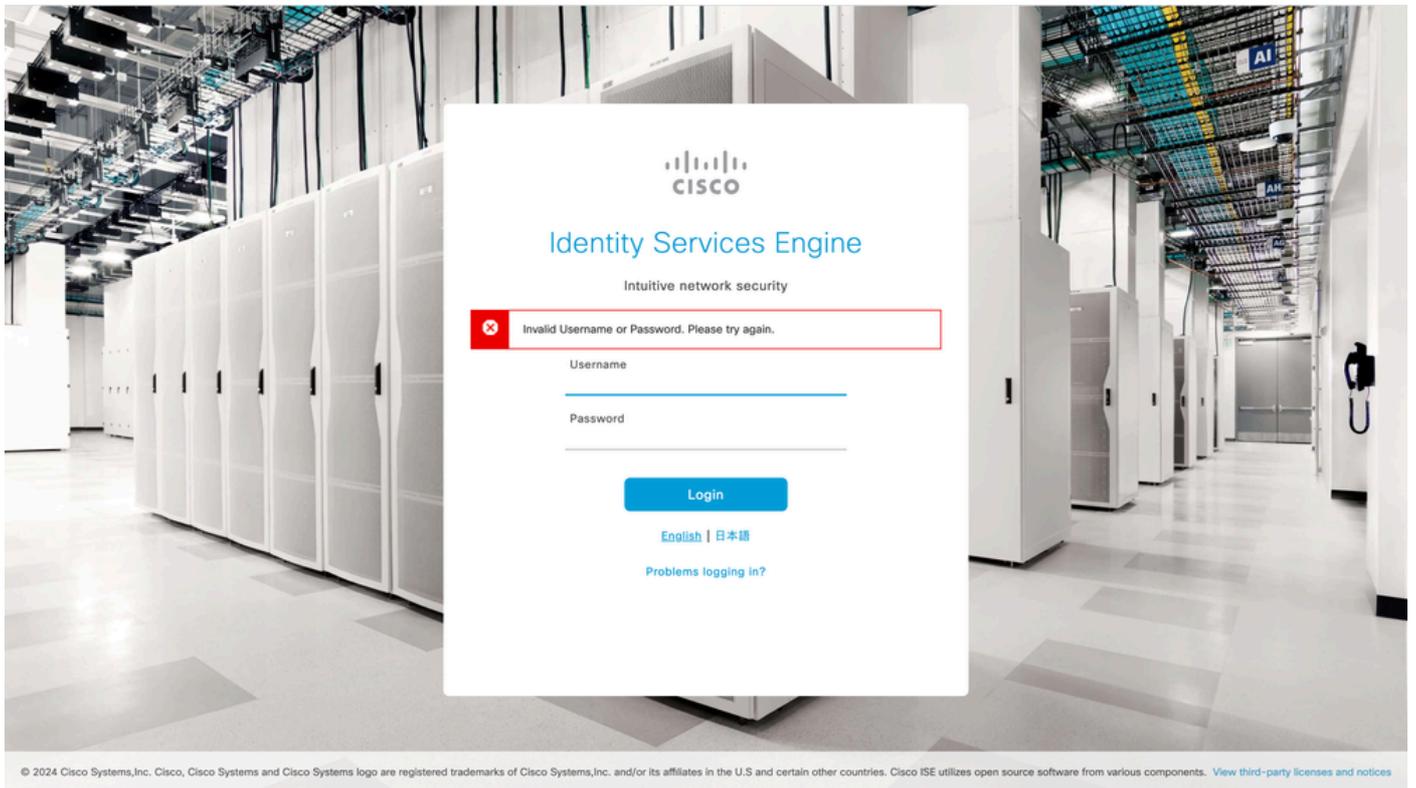


附註：通過SSH訪問ISE可能需要20分鐘。在此期間，連線嘗試可能會失敗，並出現錯誤：
"許可權被拒絕(publickey)。"

疑難排解

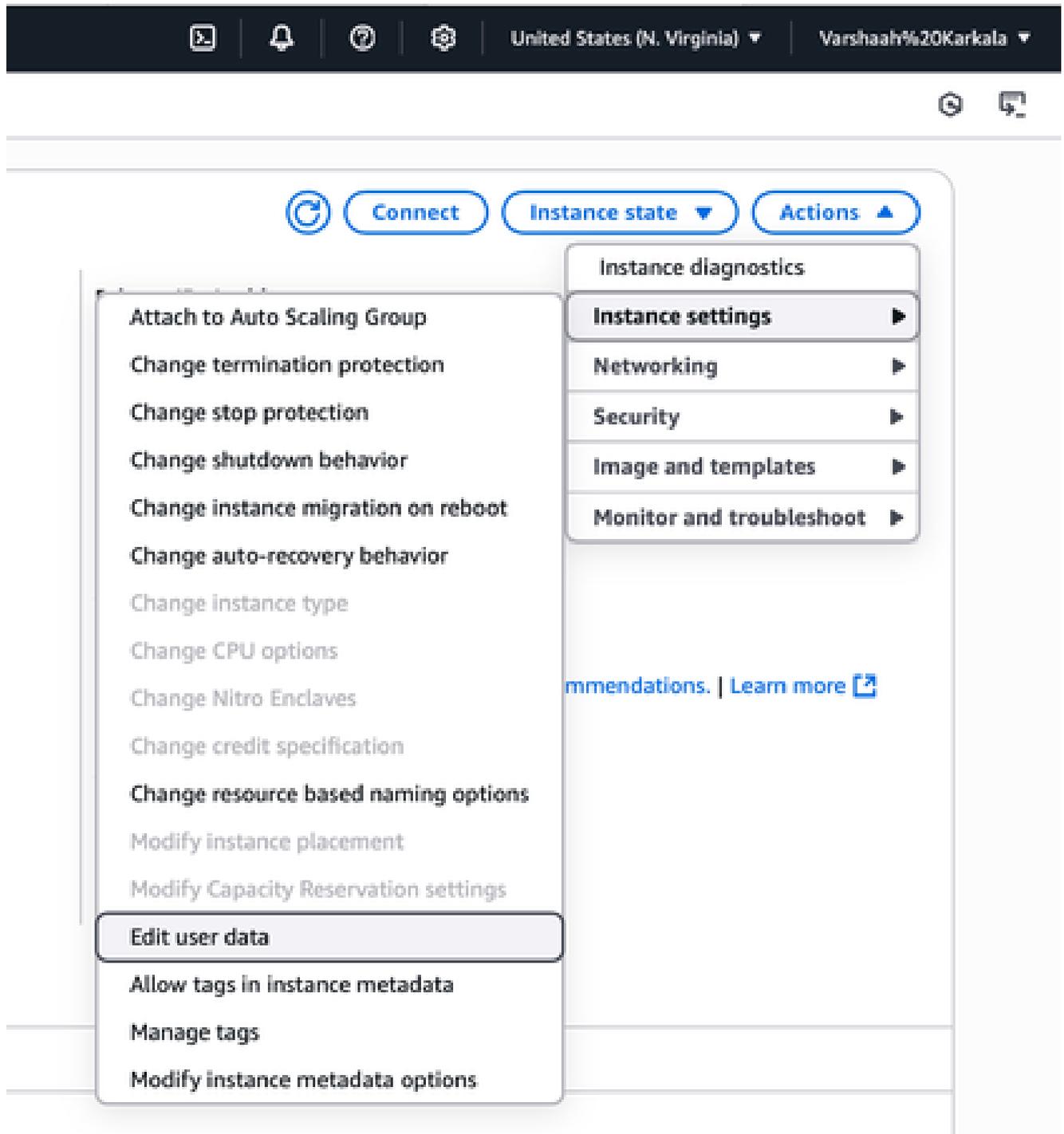
使用者名稱或密碼無效

身份驗證問題通常由例項建立過程中不正確的使用者輸入引起。這會產生錯誤消息，即「無效的使用者名稱或密碼」。請再試一次。」嘗試登入到GUI時出錯。



解決方案

- 在AWS EC2控制檯中，導航至EC2 > Instances > your_instance_id
- 按一下「操作」(Actions)>「例項設定」(Instance settings)>「編輯使用者資料」(Edit user data)。



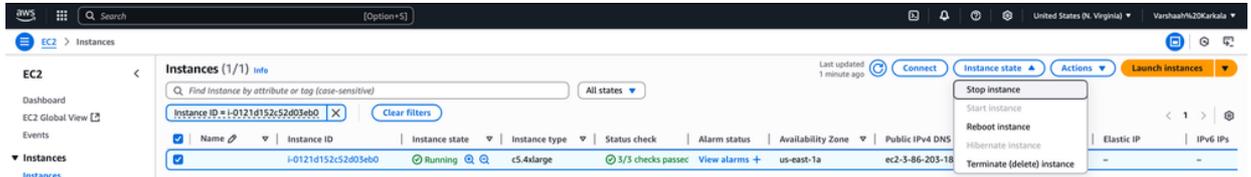
- 您可以在此處找到例項啟動期間設定的特定使用者名稱和密碼。這些憑證可用於登入ISE GUI。

The screenshot shows the AWS Management Console interface. At the top, there is a search bar and a navigation menu. The breadcrumb trail indicates the path: EC2 > Instances > i-0121d152c52d03eb0 > Edit user data. The main heading is 'Edit user data' with an 'Info' link. Below this, the 'Instance ID' is shown as 'i-0121d152c52d03eb0'. The 'Current user data' section lists the following configuration: hostname=varshaah-ise, dnsdomain=varshaah.local, primarynameserver=72.163.128.140, secondarynameserver=, tertiarynameserver=, primaryntpserver=10.64.58.51, secondaryntpserver=, tertiaryntpserver=, username=admin, password=Test@123, timezone=Etc/UTC, ersapi=no, pxGrid=no, and pxgrid_cloud=no. A 'Copy user data' button is located below the list. A light blue information box at the bottom states: 'To edit your instance's user data you first need to stop your instance.'

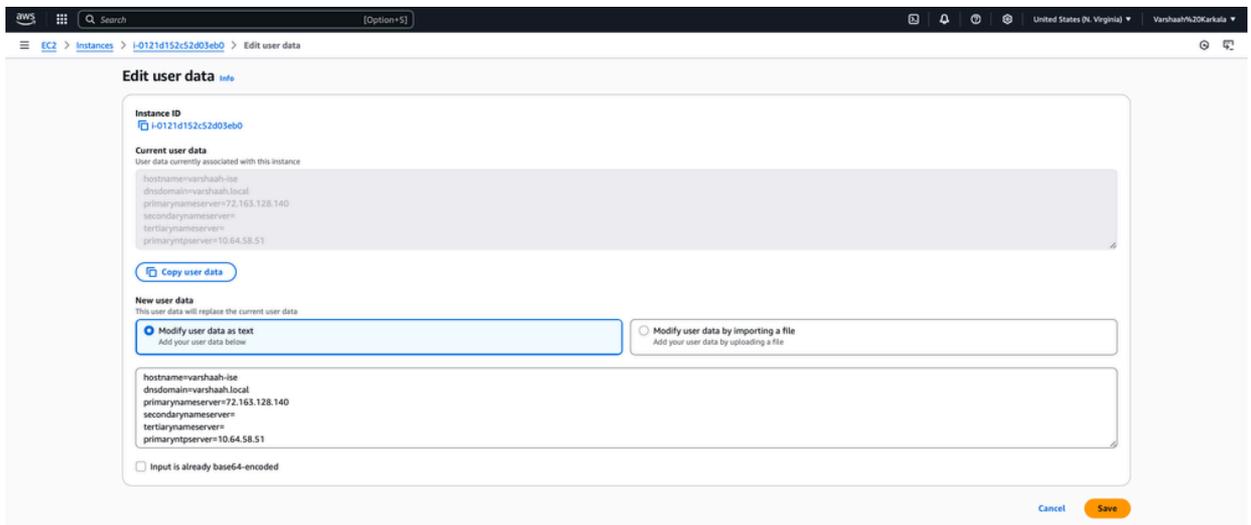
- 設定主機名和密碼時驗證主機名和密碼：
 - 主機名
 - 僅允許字母數字字元和連字元(-)。
 - 長度不得超過19個字元。
 - 密碼
 - 必須符合思科ISE密碼策略。
 - 請參閱官方ISE管理員指南：[ISE 3.4密碼策略 — 思科管理員指南](#)
- 如果配置的密碼不符合ISE密碼策略，登入嘗試將失敗；即使使用正確的憑據。

• 如果您懷疑密碼配置錯誤，請按照以下步驟進行更新：

1. 在EC2控制檯中，轉至EC2 > Instances > your_instance_id
2. 按一下Instance state > Stop instance。



3. 例項停止後，按一下操作>例項設定>編輯使用者資料。



4. 修改使用者資料指令碼以相應地更新密碼。

5. 儲存更改，然後通過Instance state > Start instance重新啟動例項。

已知瑕疵

錯誤ID	說明
思科錯誤ID 41693	如果後設資料版本設定為「僅V2」，AWS上的ISE無法檢索使用者資料。在ISE 3.4之前的版本中僅支援IMDSv1。

關於此翻譯

思科已使用電腦和人工技術翻譯本文件，讓全世界的使用者能夠以自己的語言理解支援內容。請注意，即使是最佳機器翻譯，也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準確度概不負責，並建議一律查看原始英文文件（提供連結）。