

Deployment Identity Services Engine (ISE)، AWS ىلع 3.4 رادى

تايوتحملا

[قمدقملا](#)

[قيساسال تابلطتملا](#)

[تابلطتملا](#)

[قمدختسملا تانوكملا](#)

[نيوكتملا](#)

[SSH حيتافم جوز نم قعومجم عاشنا نلوالا بابلا](#)

[\(CFT\) قباحسل نيوكتم بلاق مادختساب ISE نيوكتم: نيئاثل بابلا](#)

[Amazon \(AMI\) زاوج قروص مادختساب ISE نيوكتم: نيئاثل بابلا](#)

[قحصلا نم ققحتلا](#)

[CFT مادختساب هؤاشنا مئ يذلا ISE ليثم يلا لوصولا](#)

[AMI مادختساب هؤاشنا مئ يذلا ISE ليثم يلا لوصولا](#)

[ISE ب قضاخلا \(GUI\) قيموسلا مادختسملا قوجاويلا لوصولا](#)

[قيفرطلا قذول نم SSH ربغ \(CLI\) رماوالا رطس قوجاويلا لوصولا](#)

[PuTTY مادختساب SSH ربغ CLI يلا لوصولا](#)

[اهجالص او عاطاخالا فاشكتسا](#)

[نيحيجص ريغ رورملا قملك وا مديتسملا مسا](#)

[لخلا](#)

[قفورعملابويعلا](#)

قمدقملا

مادختساب AWS ىلع Cisco ISE نيوكتم قيفي ك دنتسملا اذه فصي

- CloudConfiguration (CFT) بلاق
- Amazon Machine Image (AMI)

قيساسال تابلطتملا

تابلطتملا

رشنلا اذه قعباتم لبق قيلاتلا عيضاوملاب قفرعم كي دل نوكت ناب Cisco ي صوت

- Cisco (ISE) نم قيوهلا تامدخ كرحم
- تاكبشلاو AWS EC2 ليثم قراڊا
- ماديختسابو SSH حيتافم جوز عاشنا
- AWS في DNS/NTP نيوكتمو، نامالا تاعومجم، VPCs قزهجال قيساسال مهفلا

عمدختسمال تانوكمل

ةلالتل ةلدامل تانوكمل او جماربل تارادصل لىل دن تسمال اذه ف ةدراول تامولعمل دن تست

- (ISE) ةلوهل فشك تامدخ كرحم
- Amazon (AWS) ف بىول تامدخ ةلباحسل مكحتل ةدحو

ةصاخ ةللمعم ةئب ف ةدوومل ةزهأل نم دن تسمال اذه ف ةدراول تامولعمل عاشنل مت تناك اذ. (ىضارتفا) حوسمم نىوكتب دن تسمال اذه ف عمدختسمال ةزهأل عىمچ تأب رمأ لىل لمحتمل رىثأتلل كمهف نم دكأتف ،لىغشتل دىق كتكبش

نىوكتل

SSH حىتافم جوز نم ةعومجم عاشنل :لوال بابل

جوز عاشنل وأ اقبسم دووم حىتافم جوز مادختسل اما كنكمى ،هذه رشنل ةللمعمل ةبسنلاب 1. دىدج حىتافم

عاشنل قوف رقناو حىتافملا جاوزاً > نامأل او ةكبشل > EC2 لىل لقتنا ،دىدج جوز عاشنل 2. حىتافم جوز

The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, a search bar, and the user's profile. The left sidebar contains a navigation menu with categories like EC2, Images, Elastic Block Store, Network & Security, and Load Balancing. The 'Key Pairs' page is active, showing a table with one key pair named 'varshaah-ise1' of type 'rsa' created on 2025/05/20. The table columns are Name, Type, Created, Fingerprint, and ID. The 'Create key pair' button is visible in the top right corner.

Name	Type	Created	Fingerprint	ID
varshaah-ise1	rsa	2025/05/20 17:32 GMT+5:30	7f:8f:20:c8:7e:f1:c1:71:ec:b0:25:cf:42:78:3e:db:39:69:0...	key-0ed710e7b...

3. حىتافم جوز عاشنل قوف رقنا حىتافملا جوز مسالخدأ

Create key pair [Info](#)

Key pair
A key pair, consisting of a private key and a public key, is a set of security credentials that you use to prove your identity when connecting to an instance.

Name
varshaah-ise1
The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type [Info](#)
☒ RSA
 ☐ ED25519

Private key file format
☒ .pem
For use with OpenSSH
☐ .ppk
For use with PuTTY

Tags - optional
No tags associated with the resource.
[Add new tag](#)
 You can add up to 50 more tags.

[Cancel](#) [Create key pair](#)

هذه نأل نم آ فلم الا اذه نأ نم دكأت .ي لحمل زاهل الى لع (.pem) حيت افلمل جوز فلم ليزنت مت درجم ب كب صاخل ال EC2 لي ثم الى لوصولو اهل الخ نم كنكمي يتل اديحولو قيرطال هليغشت.

(CFT) ةباحسل نيوكت بل اق مادختساب ISE نيوكت :يناثل بال

1. AWS قوس ت اكارتشا نع ثحبل او [AWS قراڊم كحت ةدحو](#) الى لوخدل ليجستب مق .
2. نم Cisco Identity Services Engine (ISE) ددحو "Cisco ISE" بتك ،ثحب ال طيرش ي ف .كارتشا الى لع رقنا .جئاتنل

Search AWS Marketplace products

Q cisco ise

cisco ise (5 results) showing 1 - 5
Did you mean [cisco isv](#), [cisco iso](#)?

Sort By: Relevance

Refine results

Categories
[Infrastructure Software \(5\)](#)
[Professional Services \(4\)](#)
[IoT \(2\)](#)

Delivery methods
☐ Professional Services (4)
☐ Amazon Machine Image (1)
☐ CloudFormation Template (1)

Publisher
☐ Aqueduct Technologies (1)
☐ Aspire Technology Partners, LLC. (1)
☐ Digitalstates Inc. (1)
☐ Cisco Systems, Inc. (1)

Cisco Identity Services Engine (ISE)
 By [Cisco Systems, Inc.](#) | Ver 3.4.0
[96 external reviews](#)
 Cisco Identity Services Engine (ISE) on AWS enables Network Access Control (NAC) service workloads to be deployed and managed from the cloud while ensuring the flexibility required to meet each organizations unique cloud strategy. With Cisco ISE on AWS, you can unify the policy management of your...

aws marketplace

Search

English Hello, Varshaah Karkala

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

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

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.

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. جمانربلا ليغشت عذب ددح ،كارتشالا دعب .

aws marketplace

Search

English Hello, Varshaah Karkala

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. (ةغصي ISE) ةغصي ةيجمربلا تترخأ .ةباحسلا نيوكت بالاق رتخأ ،ءافيإلا رايخ تحت .
قلطي نأ ةعباتم ةقطق طوليلثمل رشن نأ ديرت نأ ثيح ةقطنم

aws marketplace

Q Search

English Hello, Varshaah Karkala

AboutCategoriesDelivery MethodsSolutionsResourcesYour Saved ListBecome a Channel PartnerSell in AWS MarketplaceAmazon Web Services HomeHelp



Cisco Identity Services Engine (ISE)

Continue to Launch

< Product DetailSubscribeConfigure

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)

BYOL

running on c5.4xlarge

\$0 /hr

5. اءارجك CloudConfiguration قالطإ دءء، ءءلءالء ءءفصلال ءف 5.

aws marketplace

Q Search

English Hello, Varshaah Karkala

AboutCategoriesDelivery MethodsSolutionsResourcesYour Saved ListBecome a Channel PartnerSell in AWS MarketplaceAmazon Web Services HomeHelp



Cisco Identity Services Engine (ISE)

< Product DetailSubscribeConfigureLaunch

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

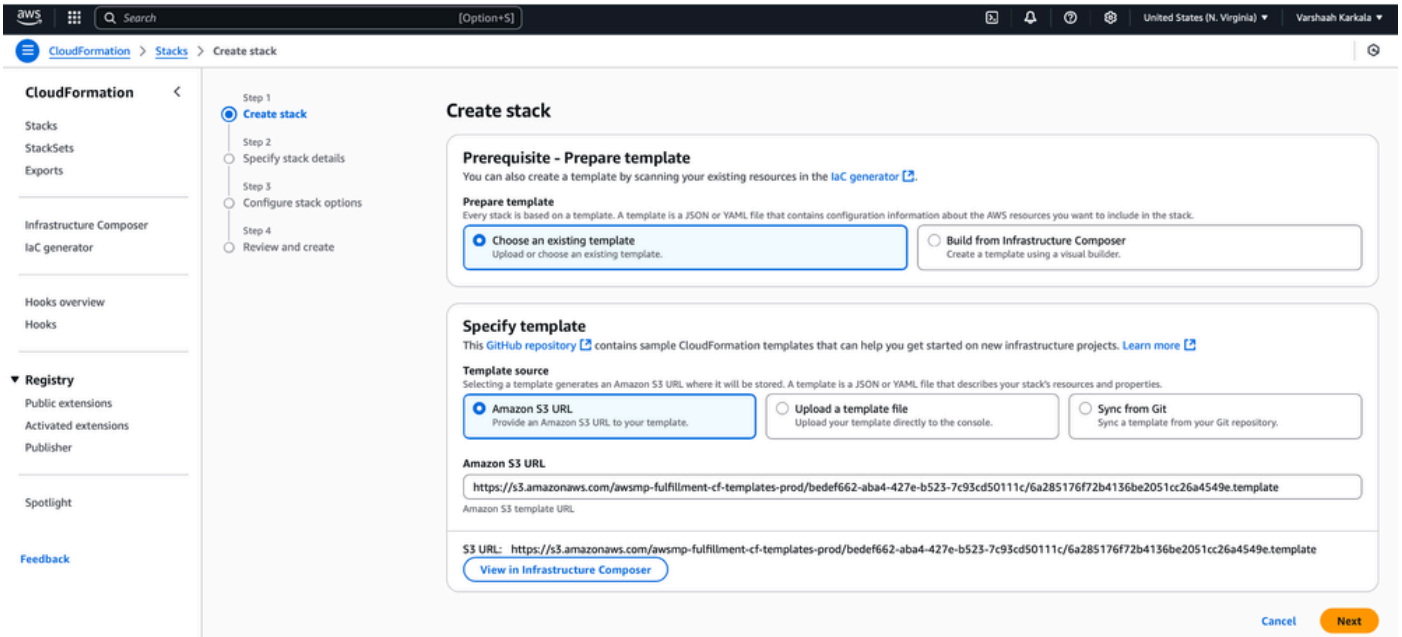
Choose Action

Launch CloudFormation

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

Launch

6. ءلءالء قوف رءناوءءضارءفالءا ءاءاءءإلء ظفءا، سءءكمالءا ءاءاءءإ ءءء 6.



7. ةبولطم ال تاملعمل لخدأ:

- كب صاخال سدكملل ديرف مسا ريفوت: سدكملل مسا
- ISE. ةدقعل فيضم ال مسا نييعتب مق: فيضم ال مسا
- لثم ال لوصولل اقبس م دوجومل وا هؤاشنل مت يذل حيتافم ال جوز دح: حيتافم ال جوز
- اقحال EC2.
- ةرادال نام ةعومجم:
 - ةعومجم عاشنل وا (هاندا حضم وه امك) ةيضارتفال نامال ةعومجم مادختسا كنكمي
 - EC2 تامولعمل ةحول لال خ نم ةصصخم نام
 - ةكبشال ال لقتناو EC2 تامولعمل ةحول ال لقتنا، ةديج نام ةعومجم عاشنل
 - ةديج نام ةعومجم عاشنل نامال تاعومجم > نامال او
 - ةبولطم ال ليصافتال لخدأ نام ةعومجم عاشنل قوف رقنا
 - ةبولطم ال ةرداصل او ةدراول رورم ال ةكرح حامسلل نامال ةعومجم نيوكت نم دكأت
 - كب صاخال IP ناو نع نم (22 ذف نمل) SSH لوصو نيكمتب مق، لاثم ال لابس ال
 - رم اوأل رطس ةهجاو ال لوصولل

VPC info
vpc-051e0e226f96f1cc4

Inbound rules info

Type	Protocol	Port range	Source	Description - optional
SSH	TCP	22	Anywh... 0.0.0.0/0	
HTTP	TCP	80	Anywh... 0.0.0.0/0	
HTTPS	TCP	443	Anywh... 0.0.0.0/0	

Outbound rules info

Type	Protocol	Port range	Destination	Description - optional
SSH	TCP	22	Custom 0.0.0.0/0	
HTTP	TCP	80	Anywh... 0.0.0.0/0	
HTTPS	TCP	443	Anywh... 0.0.0.0/0	

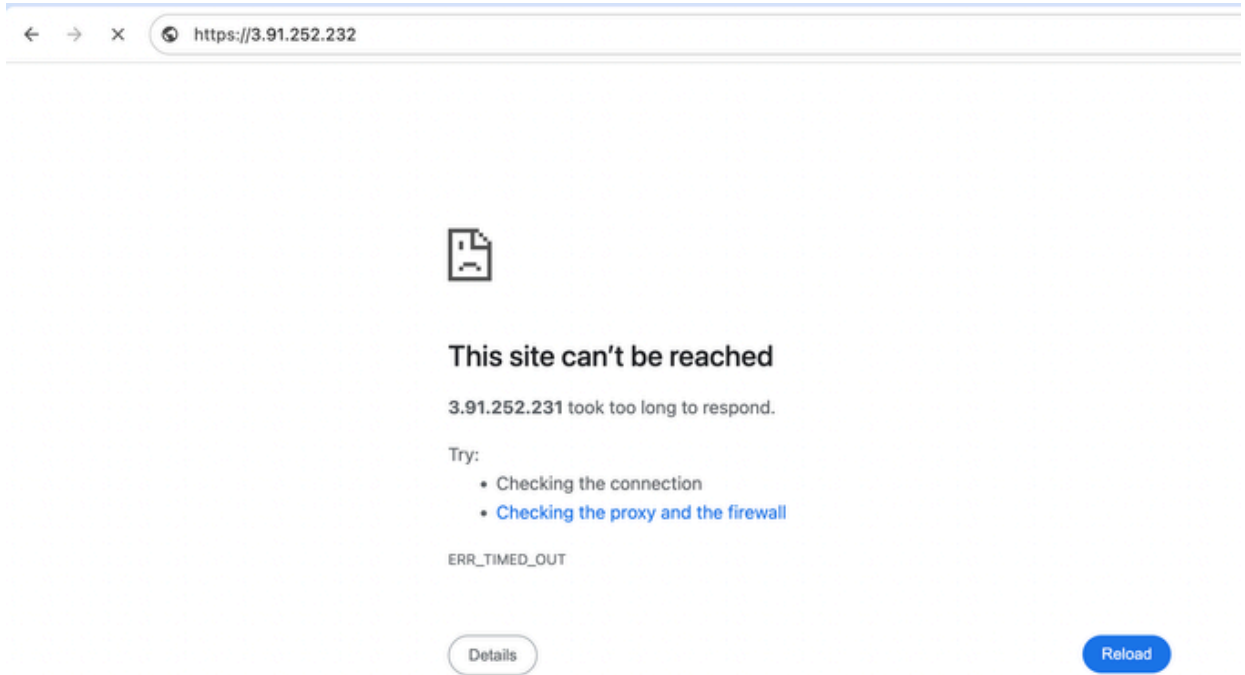
Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

- قلمهم ءاهتنا" أطخ هجاوت دق ف ،ححص لكشب SSH لوصو نيوكت متي مل اذإ SSH ربع لاصلتالا ةلواحم دنع "ةي لمعلا

```
[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
```

- اذه ىلإ لوصولا رذعتي" أطخ ىرت دق ف ، HTTP/HTTPS لوصو نيوكت متي مل اذإ (GUI). ةي موسرلا مدختسمل ةهجاو ىلإ لوصولا ةلواحم دنع "عقوملا



- اقبسم دوجومال ايعرفال اكبشال ىدح اديحت متي :يرادال اكبش

Specify stack details

Provide a stack name

Stack name
ise
Stack name must contain only letters (a-z, A-Z), numbers (0-9), and hyphens (-) and start with a letter. Max 128 characters. Character count: 3/128.

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

Instance Details

Hostname
Enter the hostname. This field only supports alphanumeric characters and hyphen (-). The length of the hostname should not exceed 19 characters.
varshaah-ise

Instance Key Pair
To access the Cisco ISE instance via SSH, choose the PEM file that you created in AWS for the username "iseadmin". Create a PEM key pair in AWS now if you have not configured one already. Usage example: ssh -i mykeypair.pem iseadmin@myhostname.compute-1.amazonaws.com
varshaah-ise1

Management Security Group
Choose the Security Group to attach to the Cisco ISE interface. Create a Security Group in AWS now if you have not configured one already.
Select List<AWS::EC2::SecurityGroup::Id>
sg-0c5e29e8b248dd42e

Management Network
Choose the subnet to be used for the Cisco ISE interface. To enable IPv6 addresses, you must associate an IPv6 CIDR block with your VPC and subnets. Create a Subnet in AWS now if you have not configured one already.
subnet-017e2674fae7497ea

Management Private IP
(Optional) Enter the IPv4 address from the subnet that you chose earlier. If this field is left blank, the AWS DHCP will assign an IP address.
Enter String

في فاضتسمال دقعال ضعب عم عوزوم رشن ايلي لمع بلطتي كب صاخال ميمصتال ناك اذا ايعرف اكبش مادختساب صصخم VPC زاغ نيوكتب مقف ،ايلحمل دقعال نم اهرىغو AWS (VPN) On-Prem ايعرhapلا صاخال ثبالاولابقتسالال ادحو زاغ الى VPN قفن اءشن او صاخ عقومال في دوجومال او فاضتسمال ISE دقع نيبل لاصتال نيكم تل

اكبشلاب صاخال ثبالاولابقتسالال ادحو زاغ نيوكت لوح ايلي صفت تاوطخ الى لوصحلل

[لېدلېدلې اذه](#) ىلې عچرا ، (VPN) ةېره اظلال ةصاخلا

8. رېفشټ EBS

- EBS رېفشټ تادادعې دېدحتل لفسأل ىلې رېرمټلابل مق
- ةنېعم رېفشټ تاجايحتل كېدل نكت مل ام اظخ ىلې EBS رېفشټ نېيعتب مق

EBS Encryption
Choose true to enable EBS encryption.

false

▼

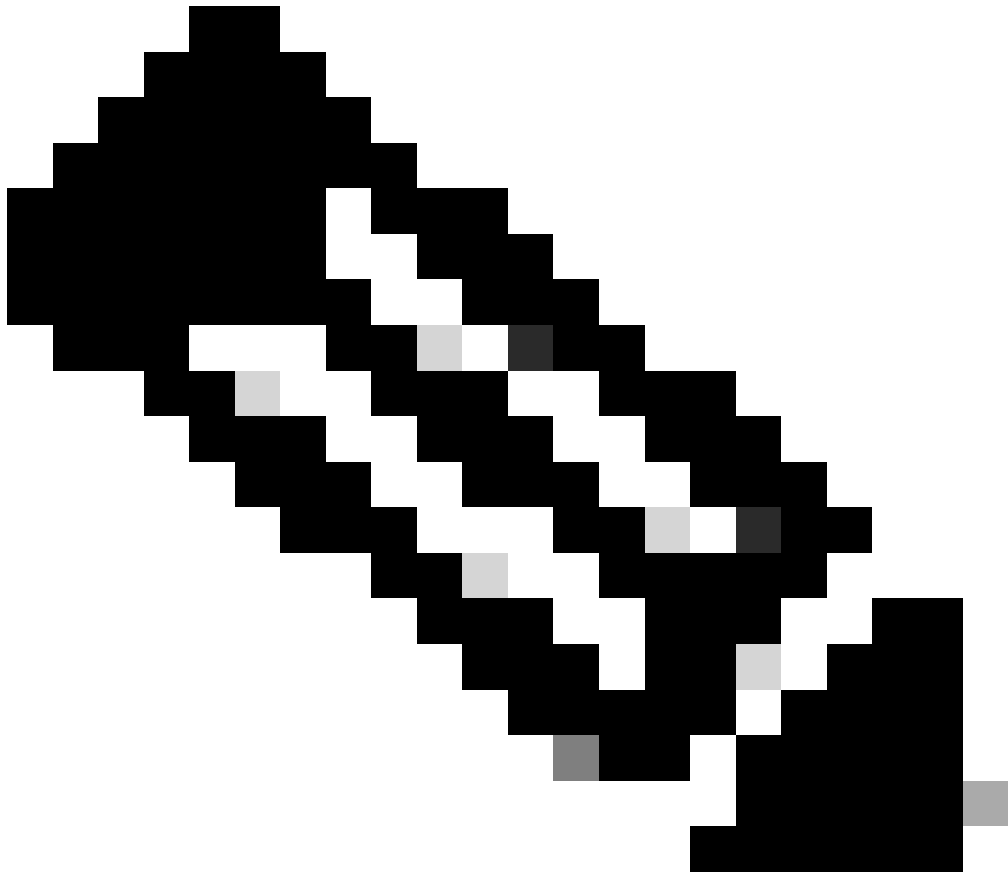
KMS key for encryption
Enter the KMS Key Id/ARN/Alias for encryption (Applicable only if EBSEncryption is "true")

Enter String

9. ةكبشلل نېوكت:

- DNS لاجم لثم ، ةكبشلل تادادعې نېوكتل لوصولل تاراېخ ىلې لفسأل رېرمټلابل مق ،
سېساسأل NTP مداخلو ، سېساسأل مرسالل مداخلو

ةقذب مېقلل هذو لاخلدإ نم دكات



لكش بءءبءا نم ISE ءامءء انه ءءءءءءا رءء ءءءءءءا ءنمء نأ نكمء :ءظءالم
رشنءا ءءب ءءءء.

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. نېم دځستسم ل او م دځل لې صافات:

- PXgrid و ERS تام دځ نېكم ت رايځ ناكم دي دځت ل لفسأ ىل ريرمت ل اب مق
- ال واً م عن دي دځت لالځ نم ERS وpxGrid تام دځ نېكم ت دي رت تنك اذ ا م رتخأ
- ل وؤسم ل م دځستسم ل اب صاځل رورم ل ةملك نېي عت ب مق ،م دځستسم ل لې صافات نمض .يضا رت فالا

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

- (يالاتال) Next قوف رقنا

11. س دك م ل تاراي خ ني وكت :

- كل ذ د ب ة ق ط ق ط و ي ه ا م ك ة ي ض ا ر ت ف ا ل ا ت ا ر ا ي خ ل ل ك ك ر ت ا .

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

Sample-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

ب ل ا ق ل ا ء ا ن ب د ر ج م ب . ل ا س ر ا ق و ف ر ق ن ا م ث ، ت ا ن ي و ك ت ل ا ع ي م ج ة ح ص ن م د ك ا ت ل ل ب ل ا ق ل ا ع ج ا ر .
ه ا ن د ا ن ي ب م ل ل ا ث م ل ه ب ش ي ه ن ا ف :

The screenshot displays the AWS CloudFormation console for a stack named 'ise'. The stack is in the 'CREATE_COMPLETE' state. The 'Events' tab is selected, showing a list of events. The first event is a successful 'CREATE_COMPLETE' for the stack itself. Subsequent events show the creation of 'IseEc2Instance' resources, with the first one in 'CREATE_COMPLETE' and the others in 'CREATE_IN_PROGRESS'.

Timestamp	Logical ID	Status	Detailed status	Status reason	Hook
2025-05-20 23:50:05 UTC+0530	ise	CREATE_COMPLETE	-	-	-
2025-05-20 23:50:01 UTC+0530	IseEc2Instance	CREATE_COMPLETE	-	-	-
2025-05-20 23:49:48 UTC+0530	IseEc2Instance	CREATE_IN_PROGRESS	-	Resource creation initiated	-
2025-05-20 23:49:46 UTC+0530	IseEc2Instance	CREATE_IN_PROGRESS	-	-	-
2025-05-20 23:49:43 UTC+0530	ise	CREATE_IN_PROGRESS	-	User Initiated	-

13. سڊڪم لاي صافات ىل لوصولو:

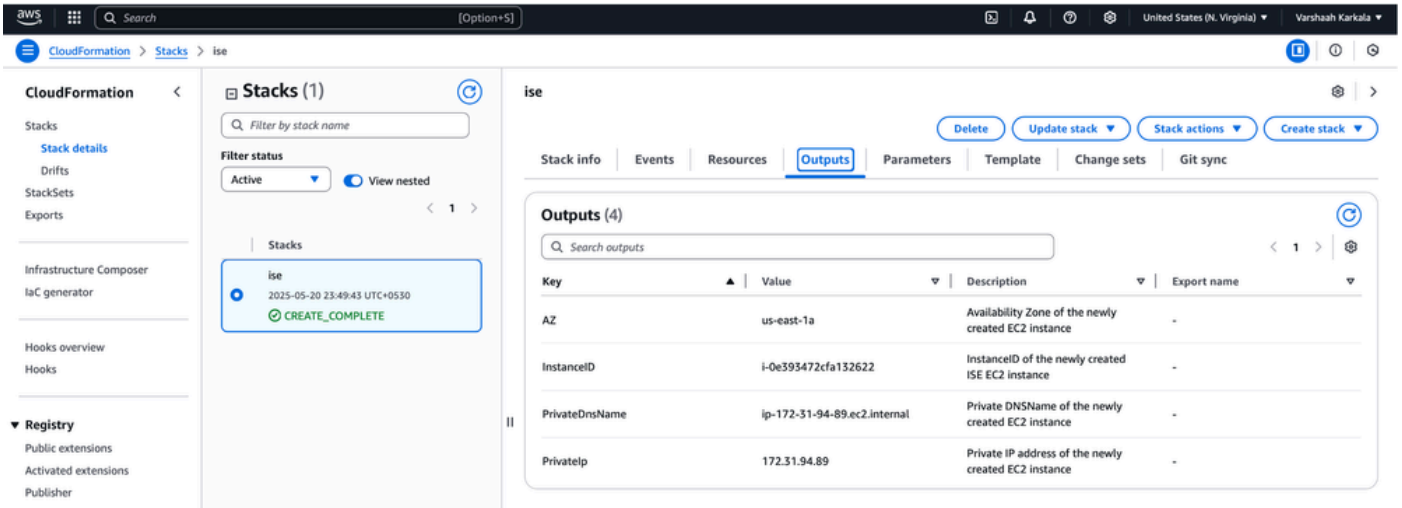
تاسڊڪم لاسق ىل لقتناو AWS ٻڌاڻا مڪحت ٻڌو ۽ CloudConfiguration ۾ ڊيگ ىل لقتنا ٻڌو.

14. تاجرخم بيوبتال ٻڌو:

م ٻڌو تاملولم ىل رولال ڪن ڪمي، انه. تاجرخم بيوبتال ٻڌو ۽ سڊڪم لاسق ىل لقتنا:

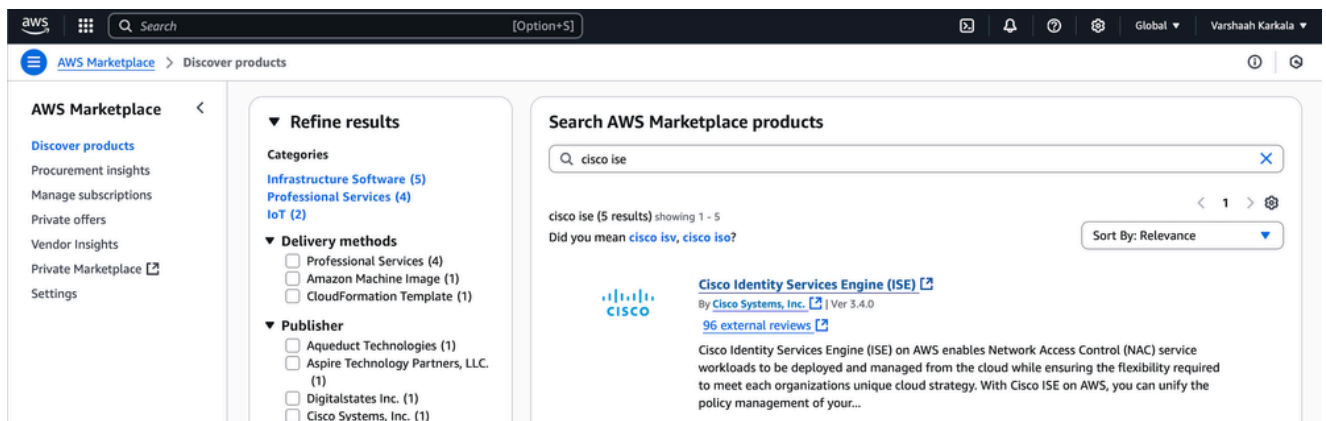
- دراومل رشن اهيف م تي تيال ٻڌو: رولال ٻڌو.
- رشن م تيال لاي ٻڌو: لاي ٻڌو.
- ڊيگ ىل لوصولل ٻڌو، لاي ٻڌو DNS م س: DNS م س.
- ڪي ٻڌو نيولال ٻڌو، لاي ٻڌو ۽ IP م س: IP م س.

ٻڌو لاي. رولال ٻڌو م ڪي ٻڌو لاي ٻڌو تاملولم ٻڌو ڪي ٻڌو:



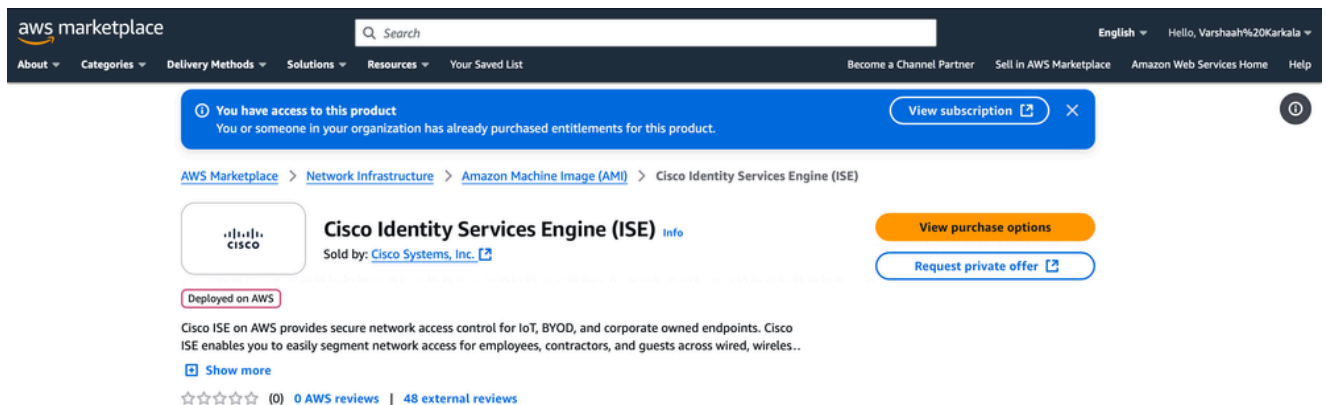
Amazon (AMI) زاه قروص مادختساب ISE نيوكت: ثلاث الباب

1. AWS قوس تاكلارتشا نع ثحبل او [AWS قراڊم كحت قدحو](#) ىل لوخڊل ليچست.
2. نم Cisco Identity Services Engine (ISE) ددحو "Cisco ISE" بكتا، ثحبالب طيرش ي ف جئاتنل.

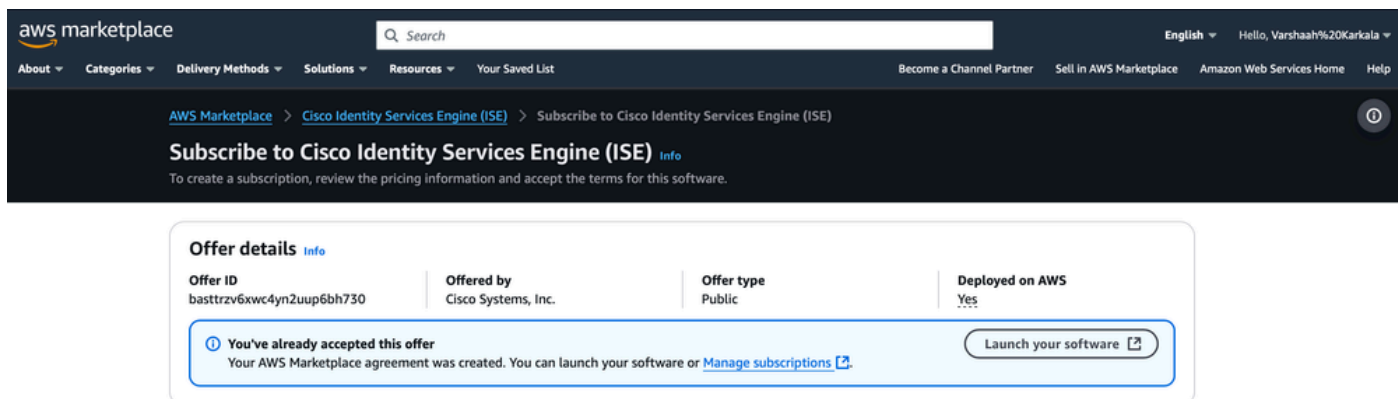


AWS رجتم ىلع ISE راي عم

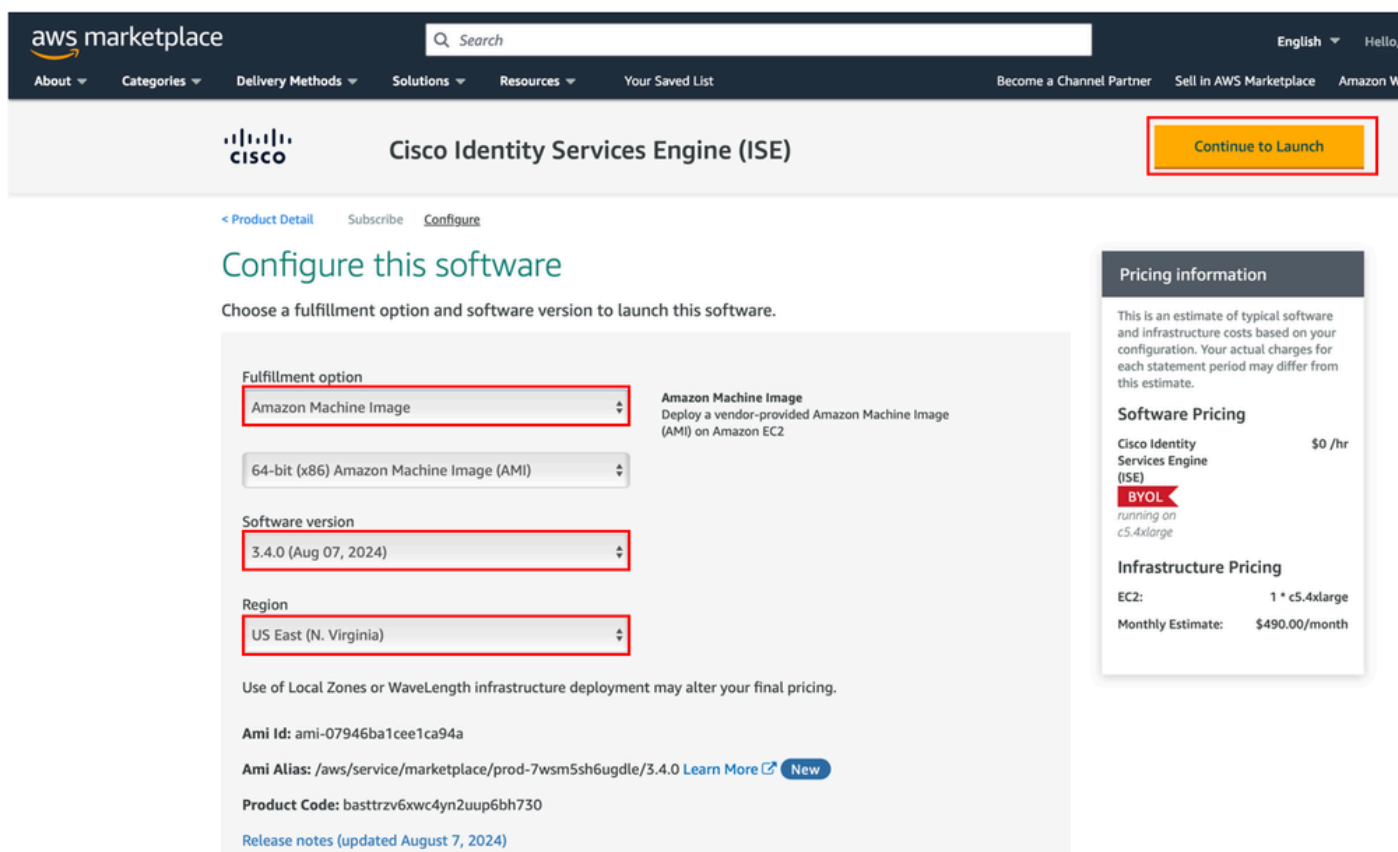
ءارشال تاراخي ضرع قوف رقنا.



4. ڄم ان رڊال لڀڻ ڳڻت ڦوڦ رڦنا .



5. ڦوڦ ٽن موڊو ڦوڦ رڊال ڄم ان رڊال رادصا دڊح . "Amazon زاڄ ڦروص" رتڄا ، "ڏي فنٽال راڀڄ" نمض .
لڀڻ ڳڻتال ڦوڦ رڦنا مٿ ، AWS



6. ڦوڦ رڦنا مٿ ، EC2 لالڄ نم ڦالڻا دڊح ، اڄا رتڄا ڦوڦ رڦنا مٿال ڦوڦ رڦنا مٿ .

aws marketplace

Search

AboutCategoriesDelivery MethodsSolutionsResourcesYour Saved ListBecome a Partner



Cisco Identity Services Engine (ISE)

[< 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)
running on c5.4xlarge

Software version

3.4.0

Region

US East (N. Virginia)

Usage instructions

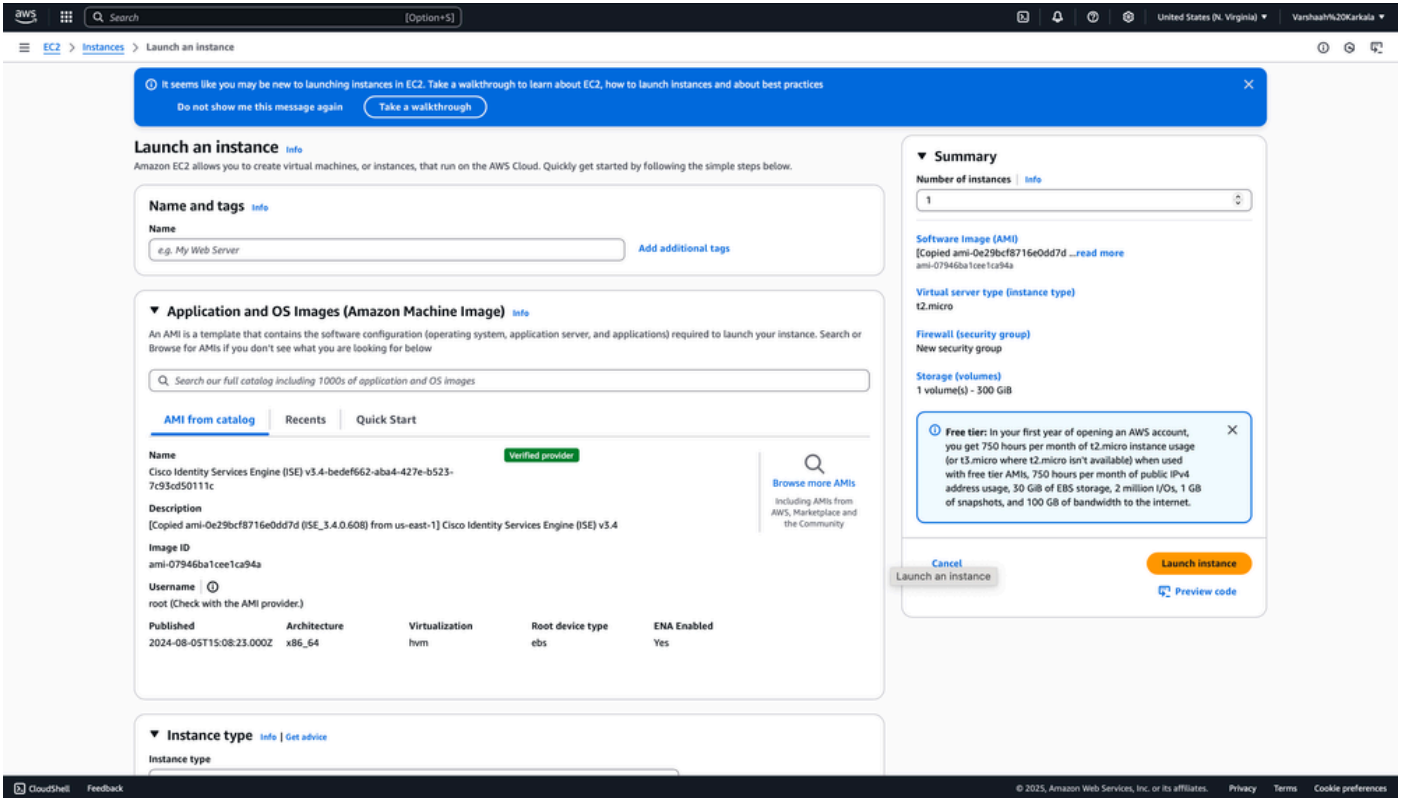
Choose Action

Launch through EC2

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

Launch

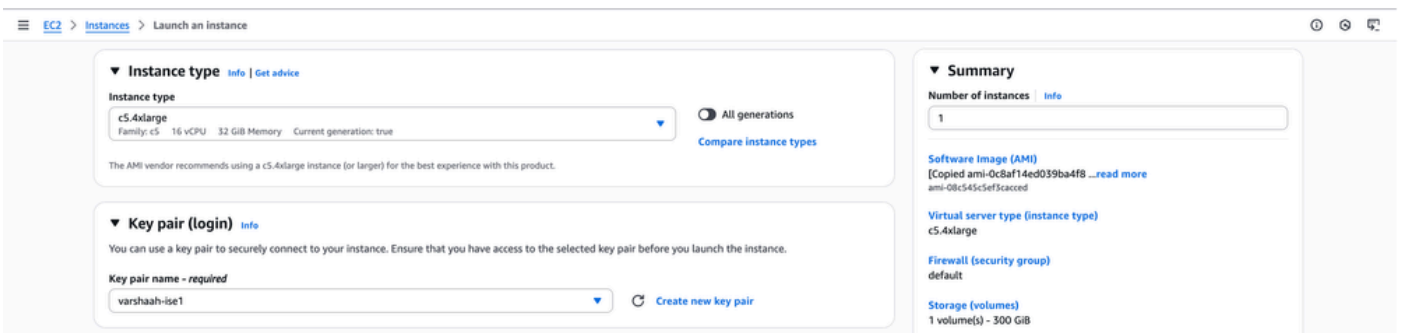
7. كِبْ ةصاخ لا لي ثمل ا تادادع ا نيوك تل لي ثم ةحفص EC2 لي غشت ىلا كهي جوت ةداع ا متت .



8. إلى ادانت سا بسانملا ليثمل عون رتخاو ليثمل عون مسق إلى لفسأل ري رمتلاب مق .
ك.ب ةصاخل رشنل تابلطتم

ءاشناب مق وأ اقباس هؤاشنإ مت يذلا حيتافملا جوز دح ،(لوخذل ليحست) حيتافملا جوز تحت
(اقباس اهري فوت مت يتل حيتافملا جوز ءاشنإ تاوطخ إلى عجرا) ديدج حيتافم جوز

1. إلى ل تاليثمل ددع نييعتب مق



9. ةكبشلل تاداعل مسق ف :

- ةجالحل بسح كي دل ةيعرفلل ةكبشلل او VPC زاهج نيوكتب مق .
- ةديدج ةعومجم ءاشنإ وأ ةدوجوم ةعومجم ديدحتب موقت نأ امإ ،نامألا ةعومجم ل ةبسنلاب
(لثمل ي ف حضوم وه امك).

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](#)

Select security groups

default sg-0b902ad2c151f2773 X
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.

ب. بولطم ل مچال مچ ني وكت ب مق ، نيزختل ني وكت مسق ي ف 10.

GP2. نيزختل ةدحو عون مادختساب 600 GiB: لاثم

Configure storage [Info](#)

[Advanced](#)

1x 600 GiB gp2 Root volume, Not encrypted

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

[Add new volume](#)

Click refresh to view backup information

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

0 x File systems

[Edit](#)

ك. كرشنل بولطم وه امك ةيفاضل تادادعل ي ني وكت ب مق ، ةمدقتمل لي صافتل مسق ي ف 11. لي غشتل فاقلي كولس وأ ، مدختسمل تانايب وأ ، IAM لي ثم فيرت فلم لثم

▼ **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. فيرعتال تانايب رادصلإ مسق ي ف:

- (بولطم زيمملا زمرلا) طقف V2 ددح، ثدحالآ تارادصلإاو ISE نم 3.4 رادصلإل ةبسنلاب — هب يصوملا راixelا وه اذه.
- قفاوت نمضي نأ (يرايتخإ زمر) V2 و V1، 3،4 نم earlier ةغيص ISE ل ترتخأ

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. في امب ISE، ليثمل ةلؤلوال نيوكتل تاملعم ري فوتب مق، مدختسمل تانايب لقح في 13. لؤؤسمل دامتعا تانايب و ERS و ةنمزل ةقطنمل او NTP م داخو DNS و فيضمل مسا ك لذل.

لالم:

hostname=varshaahise2

basicNameErver=x.x.x

dnsdomain=varshaah.local

ntpserver=x.x.x

اتكلل/اسآ=ةنمزل ةقطنمل

username=admin

كلمة مرورم ل=lse@123

ersEnabled=true

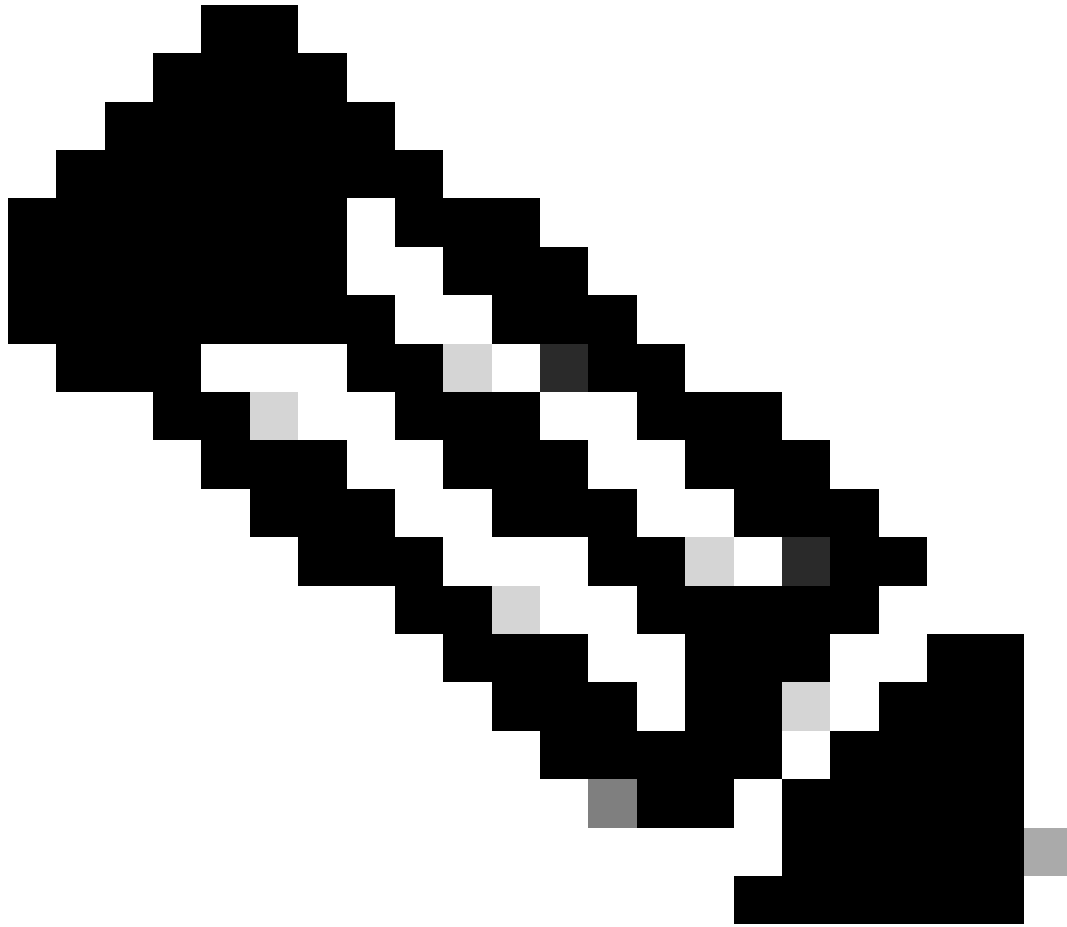
User data - optional [Info](#)

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



Cisco ISE رورم ةملك جهن عم رورملا ةملك قباطت نم دكأت :ةظحالم

ليثمل ليغشت قوف رقنا ،نيوكتلا لامكإو مدختسملا تانايب لاخدا دعب

United States (N. Virginia)Varshaah%20Karkala

▼ Summary

Number of instances | Info

1

Software Image (AMI)
[Copied ami-0e29bcf8716e0dd7d ...read more
ami-07946ba1cee1ca94a

Virtual server type (instance type)
t2.micro

Firewall (security group)
default

Storage (volumes)
1 volume(s) - 300 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

CancelLaunch instancePreview code

لېښتمال لېښت ادب مټ: ېلي ام ركذت دي كأت ؤلاسر رهظت ،لېښتمال قالطإ دعبو - 14
<instance_name> حاجنب تادب دق لېښتمال ؤي لمع نأى لى رېشي اذهو .حاجنب

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

CloudShellFeedback

© 2025, Amazon Web Services, Inc. or its affiliates. PrivacyTermsCookie preferences

ةحصلال نم ققحتال

CFT م ادختساب هؤاشنإ مت يذل ISE لئثم ىلإ لوصول

يلعفلال فرعما قوف رقناو CloudConfiguration سدكم ي ف دراوملا بيوبتال ةمالع ىلإ لقتنا لئثمال ةيؤر كنكمي شيح EC2 تامولعم ةحول ىلإ كهجوت ديعت اهنإ.

ise

Stack info | Events | **Resources** | Outputs | Parameters | Template | Change sets | Git sync

Delete | Update stack ▼ | Stack actions ▼ | Create stack ▼

Resources (1)

Search resources

Logical ID	Physical ID	Type	Status	Module
IseEc2Instance	i-Oe393472cfa132622	AWS::EC2::Instance	CREATE_COMPLETE	-

EC2 > Instances

Instances (1) Info

Find Instance by attribute or tag (case-sensitive)

Instance ID = Clear filters

All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
	i-Oe393472cfa132622	Running	t3.xlarge	3/3 checks passed	View alarms +	us-east-1a	ec2-3-91-252-232.com...	3.91.252.232

AMI م ادختساب هؤاشنإ مت يذل ISE لئثم ىلإ لوصول

ققحت، ةحفصلال هذه ي ف EC2 تالئثم ةحفص ىلإ لقتنلال تالئثمال ةيمج ضرع قوف رقنا يفيلو لمعي لئثمال نأ ىلإ اريشم، تالئش 3/3 رورم عم رهظي ةلاحال نم ققحتال نأ نم ضرغلابل.

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

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

EC2 > Instances

Instances (1/2) Info

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

Last updated less than a minute ago

Connect Instance state Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
varshaahise2	i-0905e07a276b7f335	Running	c5.4xlarge	Initializing	View alarms +	us-east-1b	ec2-54-82-163-30.com...	54.82.163.30	-
varshaah-ise1	i-0596248f26084b3ce	Stopped	t2.micro	-	View alarms +	us-east-1d	-	-	-

ISE بة صاخ ال (GUI) ةيموسرل م دختسم ال ةهجاو ىل لوصول

حاجنب ISE م داخ رشن نآل م ت

IP ناو نع م ادختس ك مزل ي، ISE بة صاخ ال (GUI) ةيموسرل م دختسم ال ةهجاو ىل لوصول هيل لوصولو نك مي الف، صاخ يضا رتف ال IP ناو نع نأ امب. كيدل ضرعتسم ال ي ف لي ثمل ل تنرتن ال نم ةرشابم

لي ثمل اب ان رتقم ماع ال IP ناك اذا امم ققحت ال

- ك ب صاخ ال لي ثمل ددحو تال ي ثم > EC2 ىل لقتنا
- ماع ال IPv4 ناو نع لققح نع ثحبا

ةيموسرل م دختسم ال ةهجاو ىل لوصول هم ادختس ك نك مي ماع IP ناو نع ىرن نأ ان نك مي، انه ISE ل (GUI).

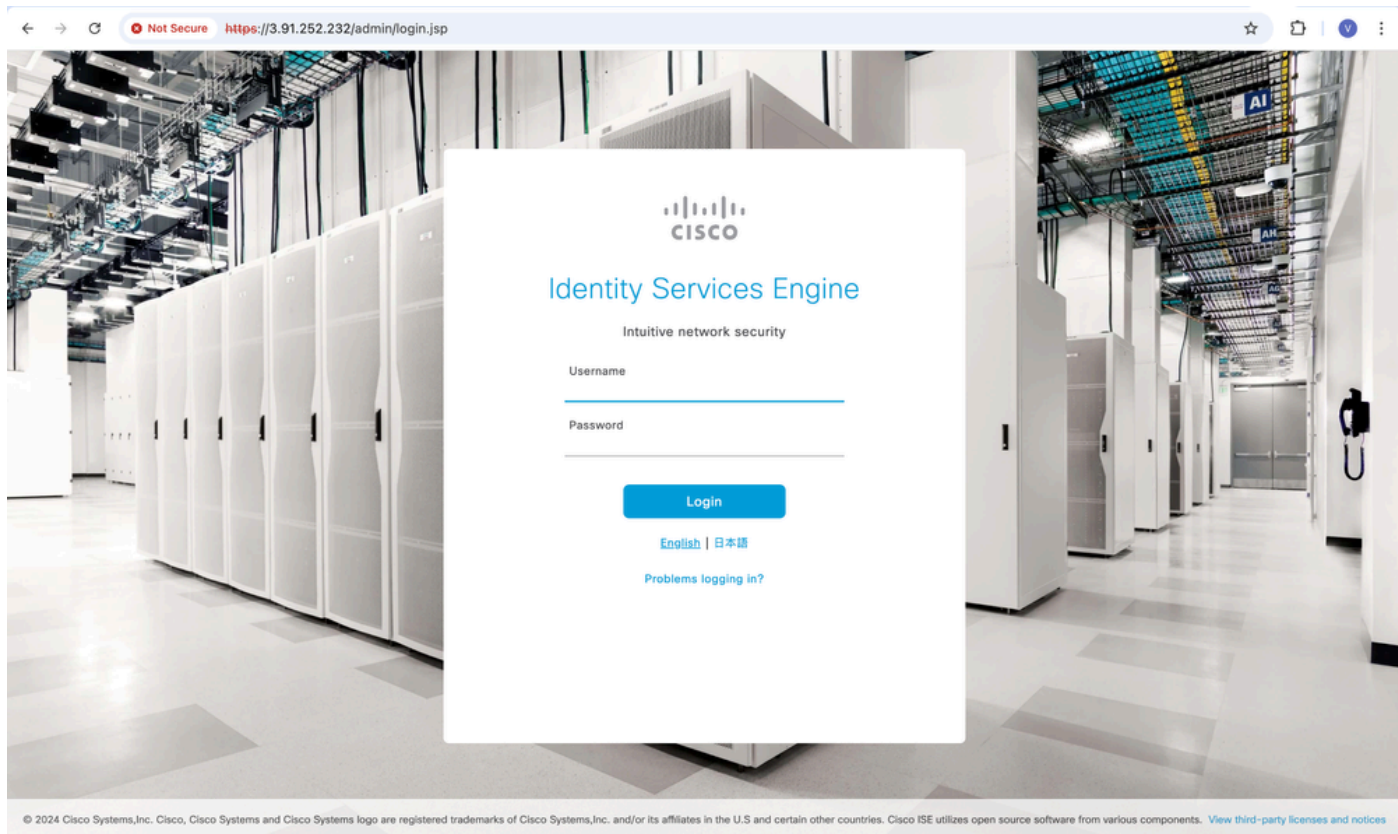
▼ Network Interfaces (1) Info

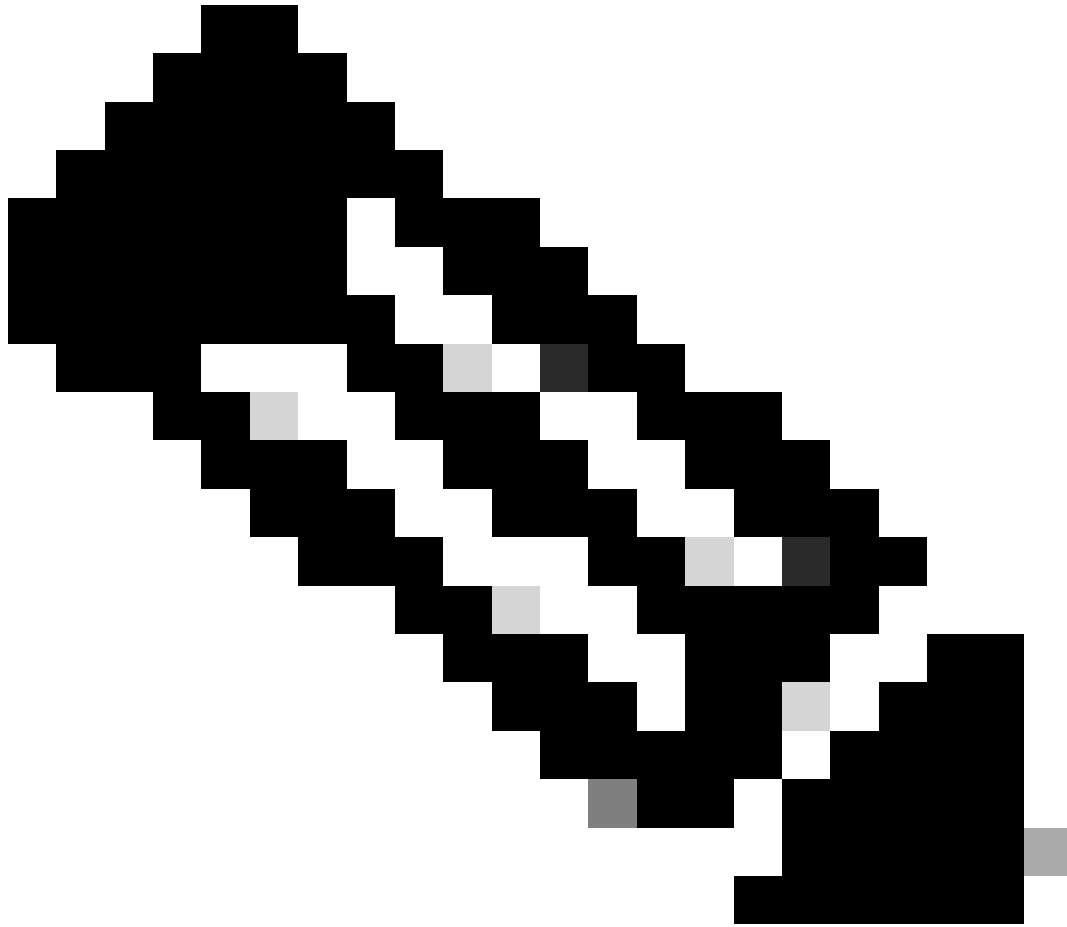
Instance details

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...	-	-

مفاع ال IP ناوع لخدأو (Firefox أو Chrome، لاثمل لېبس ىلع) موعدم ضرعتسم حتفا
ISE. بة صاخلا (GUI) ةيموسرلا مدختسم لاهجاو ىلا لودلا ليجست ةحفص رهظت





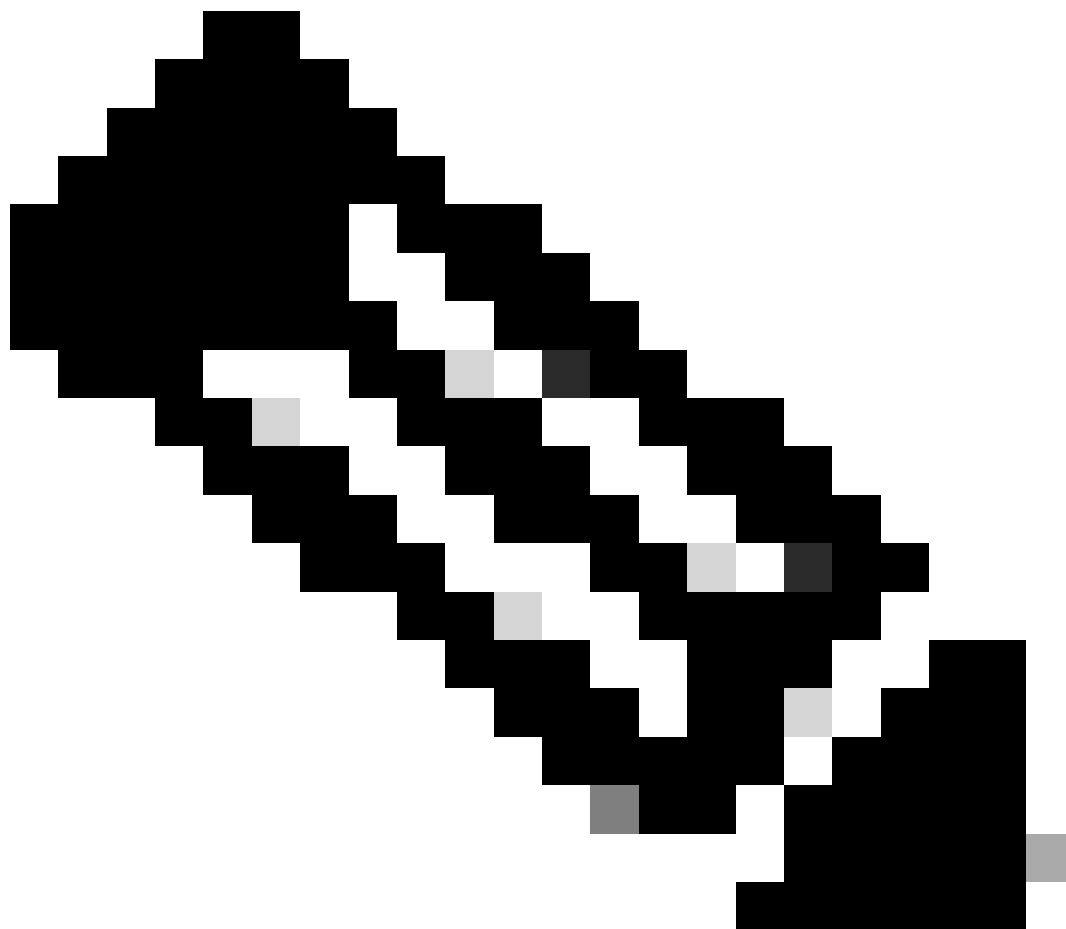
ةيفاضا ةقيقد 15 ىل 10 نم ةداع قرغتسي ،احاتم SSH لوصوحيصي نأ دعب :ةظحالم
ليغشت ةلاح ىل لمالكلا لاقنتال ISE تامدخل

ةيفرطال ةدحول نم SSH ربع (CLI) رماوالا رطسة هجاو ىل لوصولا

ليصوت قوف رقناو كب صاخلا ليثمل ددح ،EC2 مكحت ةدحوي

ةيلاتال تاوطخال عبتا ،SSH لي مع بيوبتال ةمالع تحت

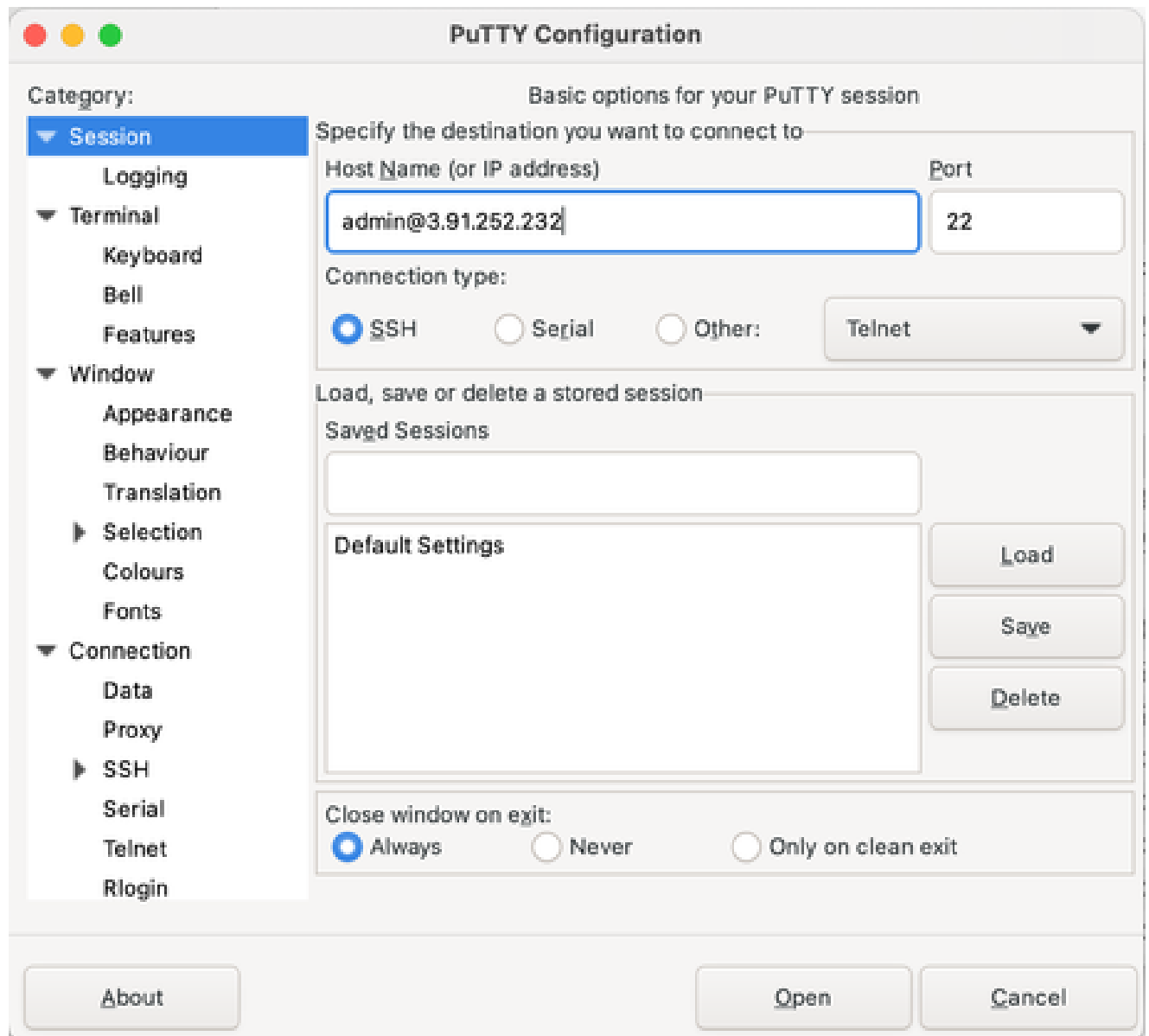
- هليزنت مت يذلا pem .حاتفمالم فلم ىلع يوتحي يذلا دلجمال ىل لقتنا
- رماوالا هذه ليغشتب مق
- <path-to-key file> طوغضمال صرقلا
- chmod 400 <your-key-pair-name>.pem
- ssh -i "<your-key-pair-name>.pem" admin@<public-ip-address>



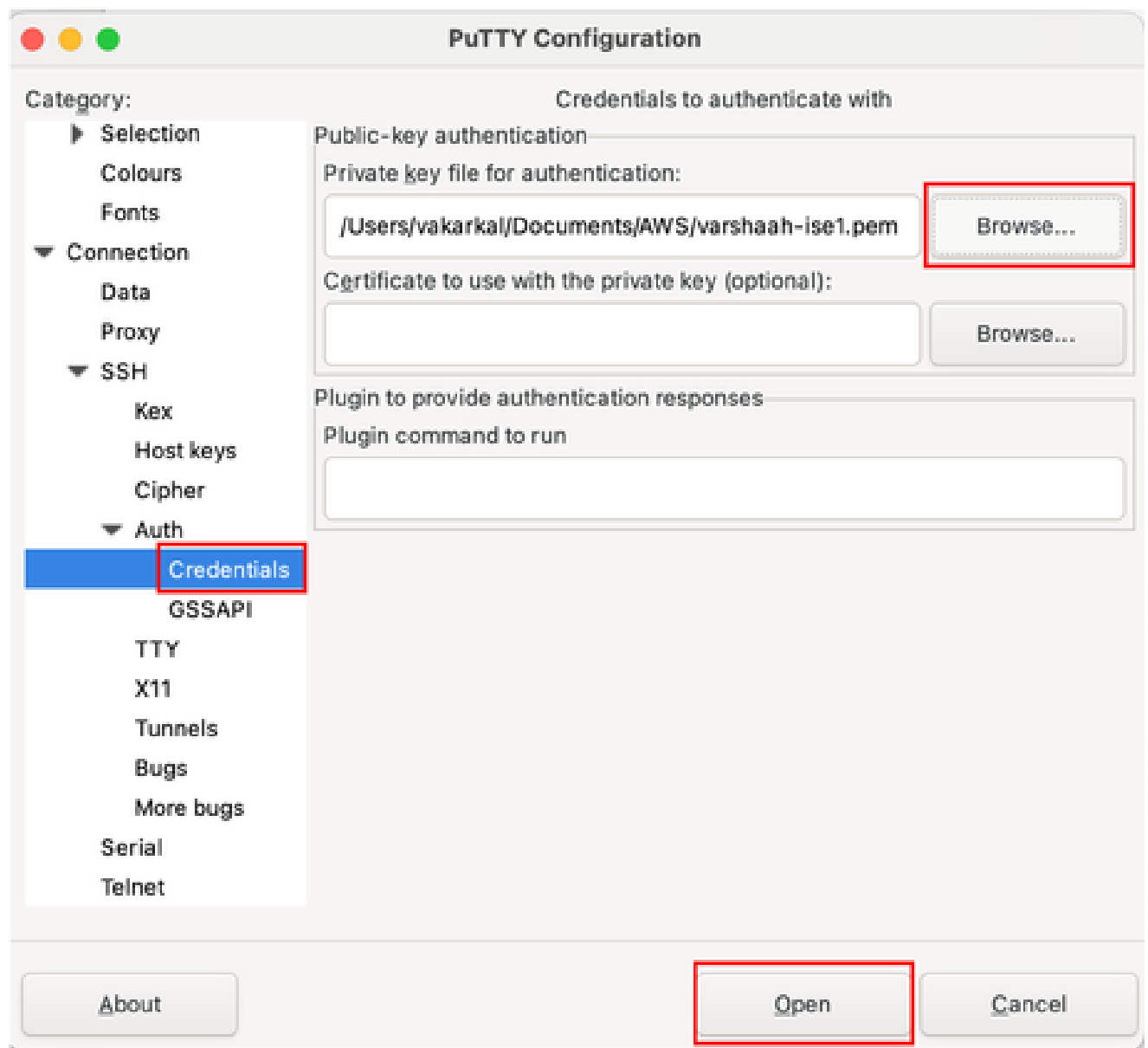
موقت Cisco نم ISE ةزيم نأل ارطن SSH، لوكوتورب مدختسمك admin مدختسأ: ةظحالم SSH. ربع رذجال ىلإ لوخدلا ليجست لىطعتب

PuTTY مادختساب SSH ربع CLI ىلإ لوصول

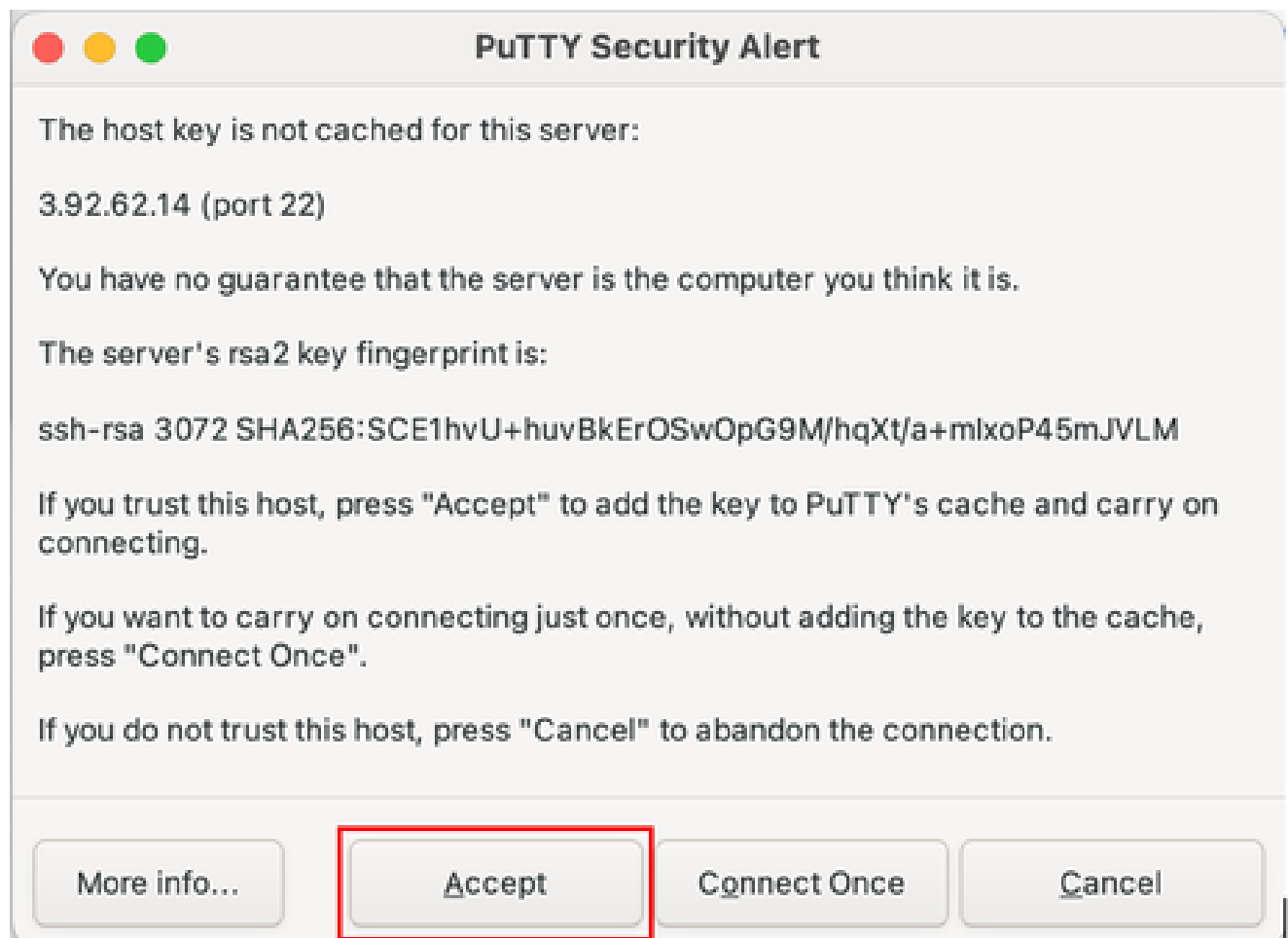
- PuTTY حتفا.
- admin@<public-ip-address> :لخدأ، فيضملا مسا لقحي ف



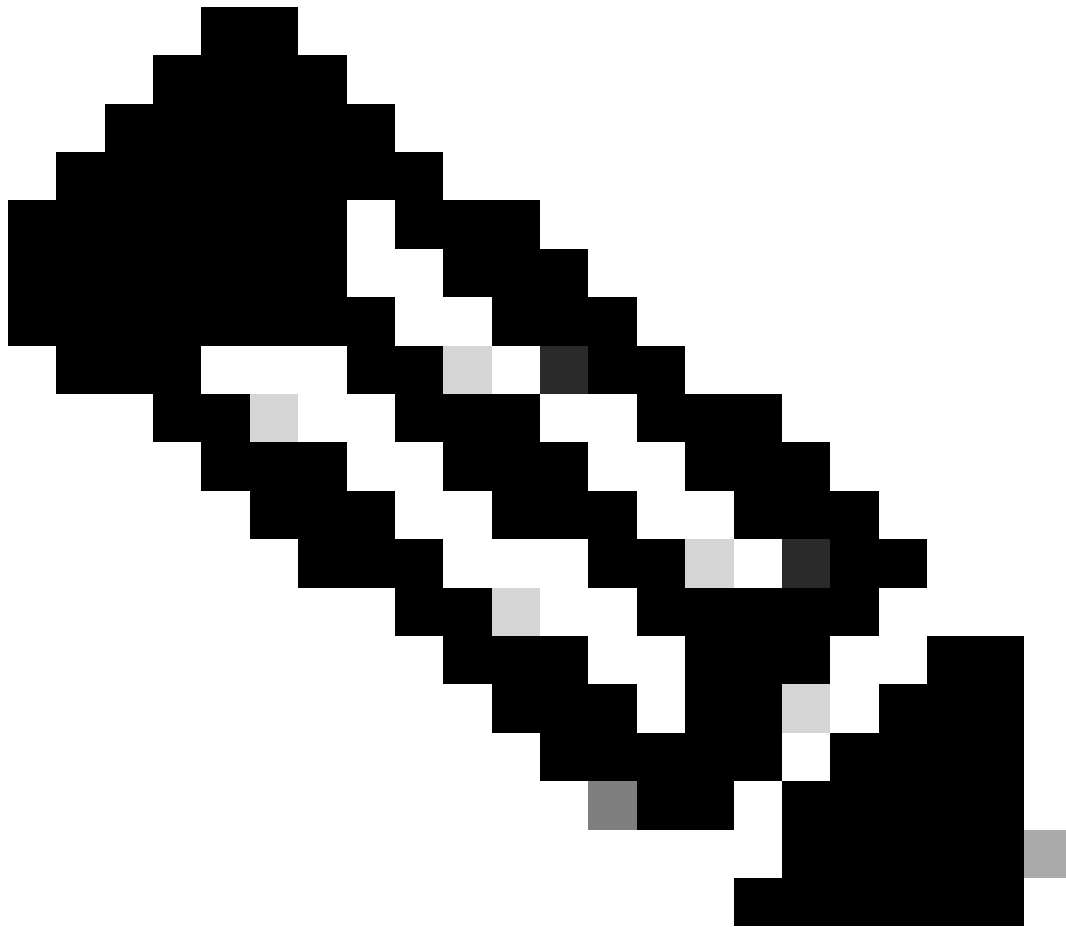
- دامت عال تانايب > ةقداصم ال SSH > ليصوت ال ال لقتنا ، ىرسى ال ةحولل ي ف .
- SSH حاتم فلم ددحو ، ةقداصم لل صاخ ال حاتم فلم راوجب ضارعتسا قوف رقنا صاخ ال .
- لمع ال ةسلج ءدبل حتف قوف رقنا .



- SSH. حاتفم ديكأتل لوبق قوف رقنا، ةبللاطملا دنع



- ISE CLI ب نآل PuTTY ةسلج لصتت

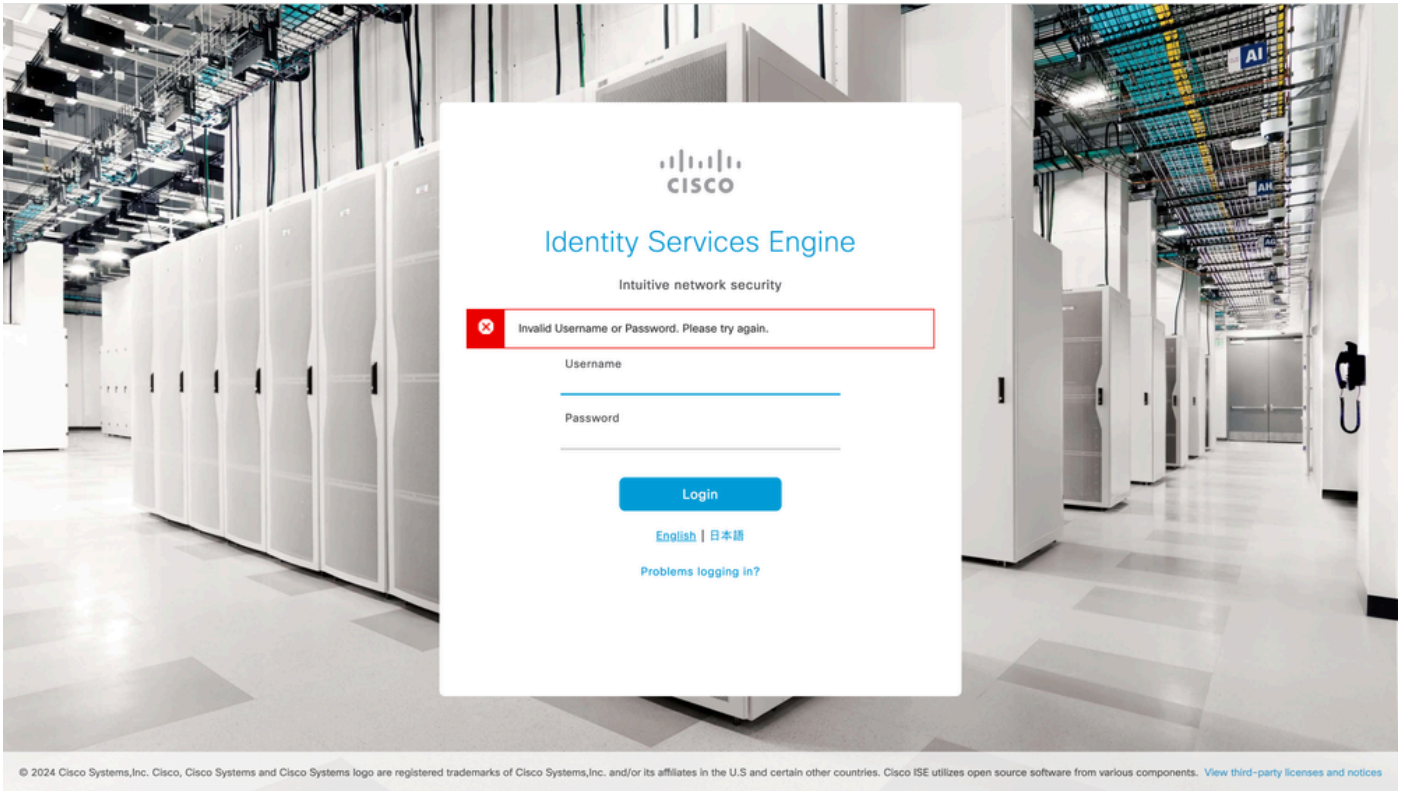


SSH لوكوتورب رپع (ISE) تقوؤملا نيزختلا ةينقت ىلإ لوصولا قرغتسي دق: ةطحال م
أطخل ثودح عم لاصتالا تالواحم لشفت دق، تقولا اذه لالخ. ةقيقد 20 ىلإ لصي ام
(PublicKey) نذالاض فرمت."

اهحالصإو ءاطخال فاشكتسا

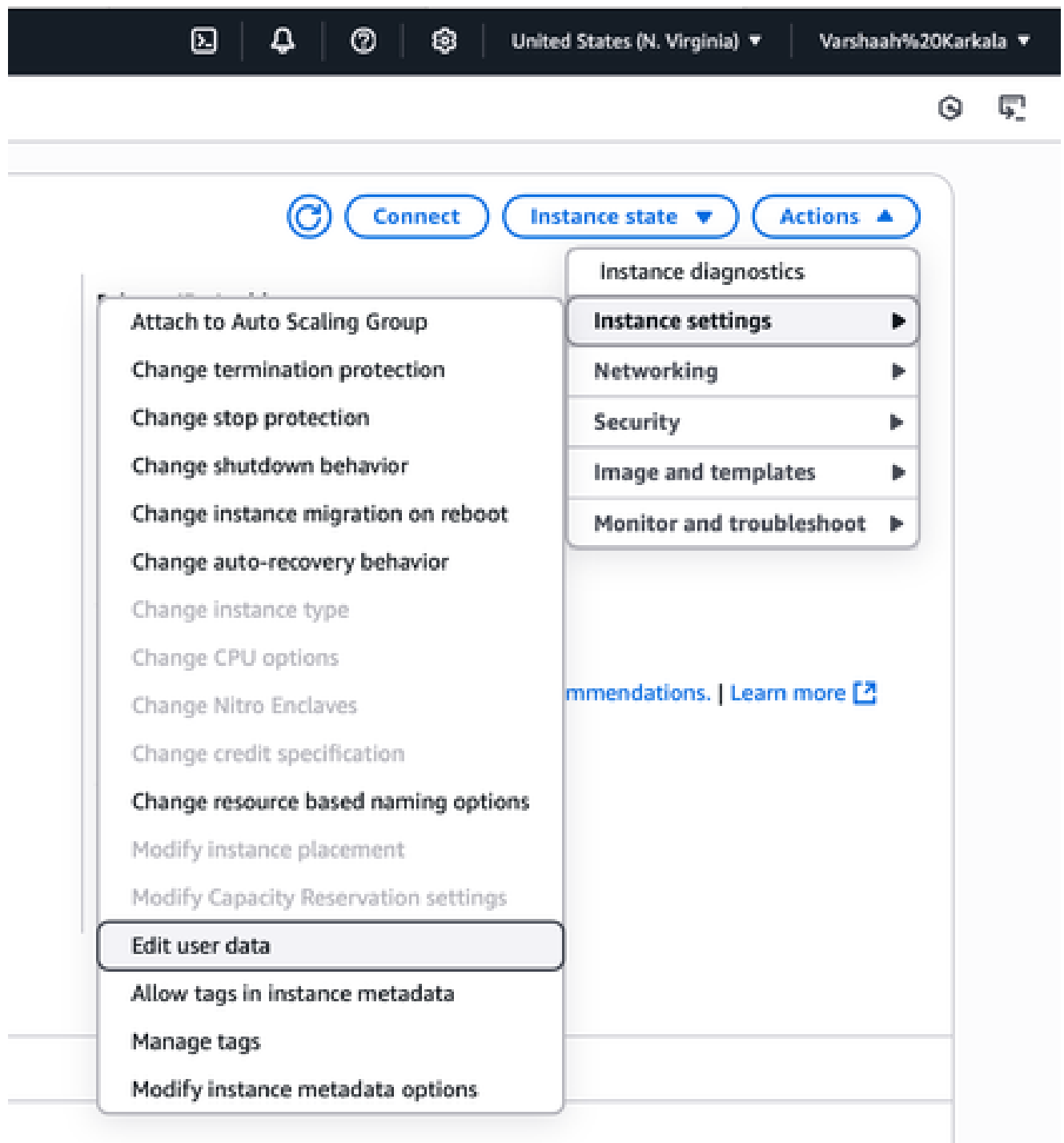
نيجيحص ريغ رورملا ةملك وأ مدختسملا مسا

لثمل ءاشنإ ءانثأ جحصلا ريغ مدختسملا لاخدا ببسب ةقداصملا لكاشم ثدحت ام ابلاغ
ةرم ةلواحمل ءاچرلا. ءجحص ريغ رورم ةملك وأ مدختسم مسا" مسا ابأطخ ةلاسرك لذ نع جتنني
(GUI) ةيموسرلا مدختسملا ءهجاو ىلإ لوخدلا ليجست ةلواحم دنع أطخ ثدح. ىرخأ



الحل

- your_instance_id > تاليتم > EC2 إلى لقتنا ، AWS EC2 م كحت ة دحوي ف
- م دختسمل تانايب ريحت > ليثمل تادادعإ > تاي لمع قوف رقنا



- انه قال ط إ ل ي ث م ال ء ا ن ث أ ت ت ب ث ن ا ك ن أ ة م ل ك و username ن ي ع ي ل ا ت د ج و ع ي ط ت س ي ت ن أ ة م و س ر ل ا م د خ ت س م ال ة ه ج ا و ي ل إ ل و خ د ل ا ل ي ج س ت ل ه ذ ه د ا م ت ع ا ل ا ت ا ن ا ي ب م ا د خ ت س إ ن ك م ي (ISE).

aws  Search [Option+S]

EC2 > Instances > i-0121d152c52d03eb0 > Edit user data

Edit user data Info

Instance ID
 i-0121d152c52d03eb0

Current user data
 User data currently associated with this instance

```
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
pxgrid_cloud=no
```

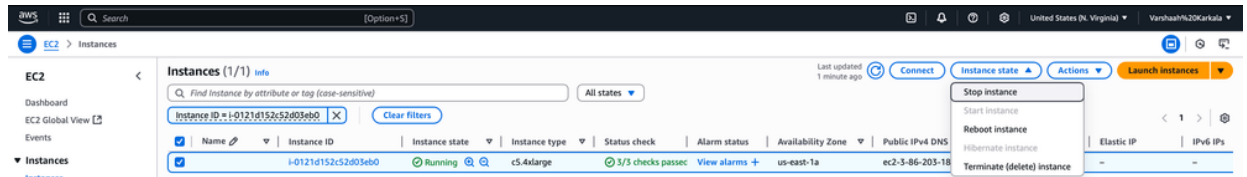
 Copy user data

 To edit your instance's user data you first need to stop your instance.

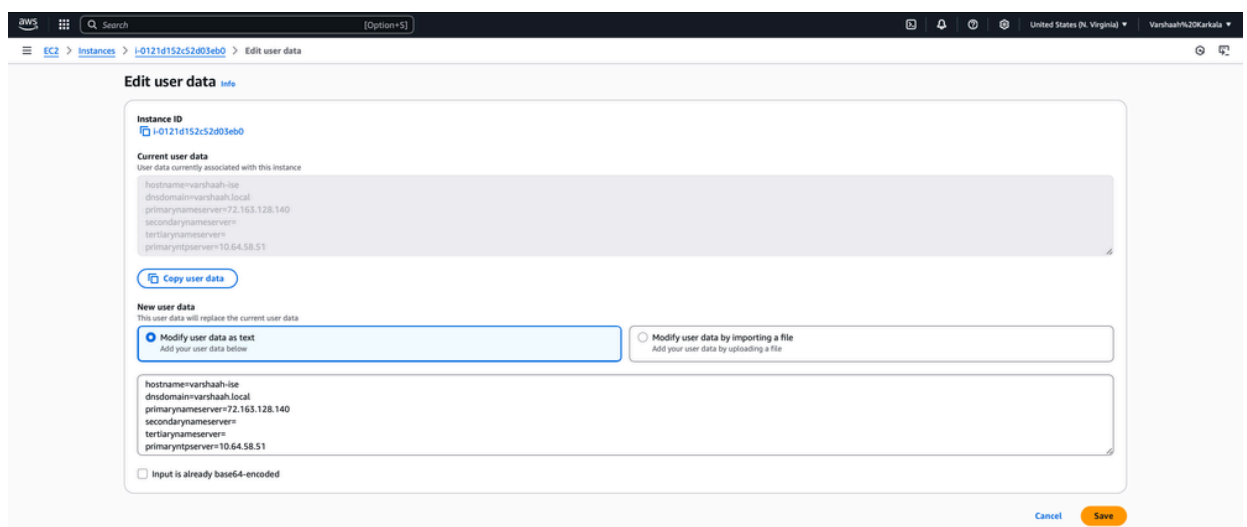
- رورمل ەملك و فيضمال مسا دادع| دن ع رورمل ەملك و فيضمال مسا نم ققحت
 - فيضمال مسا
 - (-) تالساوو ەيئاجەل زومرلاب طقف حمسي
 - افرح 19 اهلوط زواجتي الأ بجي
 - رورمل ەملك
 - Cisco ISE رورم ەملك جەنل لاثمالا بجي
 - لیلد - ISE 3.4 رورملا ەملك ەسايس: یمسرل ISE لوؤسم لیلد یل عجرا
[Cisco لوؤسم](#)

- تالواحم لشفت، ISE رورم ةم لك جهن عم اهنوكت مت يتل رورملا ةم لك قباطت مل اذإ ةححصلا دامتعالا قئاثو عم يتح ؛لوخدلا ليحست
- ةيلاتلا تاوطخل عبتاف ،ححص ريغ لكشب رورملا ةم لك نيوكت في كشت تنك اذإ اهثيحتل:

1. your_instance_id > تاليثم > EC2 ىلإ لقتنا ، EC2 مكحت ةدحو في
2. ليثمل فاقيا > ليثمل ةلاح قوف رقنا .



3. تانايب ريرحت > ليثمل تادادع > تايلمع قوف رقنا ، ليثمل فاقيا دعب .مدختسملا



4. اقفو رورملا ةم لك ثيحتل مدختسملا تانايب لي صلل جمانربلا لي دعبت مق .لكذل
5. ليثمل ادب > ليثمل ةلاح ربع ليثمل لي غشت دعأ مث ،تاريي غتلا ظفح .

ةفورعلم ابويعل

أطخل فرعم	فصول
Cisco 41693 نم أطخل فرعم	تانايب دادرثسا في AWS ىلإ ISE لشفي تانايب رادصا نييعت مت اذا مدختسملا IMDSv1 معد متي . "طق V2" ىلإ فيرعتلا

ةمچرتل هذه ل و ح

ةيلآل ا تاي ن ق ت ل ا ن م ة و م ج م ا د خ ت س ا ب د ن ت س م ل ا ا ذ ه Cisco ت م ج ر ت
م ل ا ع ل ا ا ح ن ا ع م ج ي ف ن ي م د خ ت س م ل ل م ع د ي و ت ح م م ي د ق ت ل ة ي ر ش ب ل و
ا م ك ة ق ي ق د ن و ك ت ن ل ة ي ل آ ة م ج ر ت ل ض ف ا ن ا ة ط ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب
Cisco ي ل خ ت . ف ر ت ح م م ج ر ت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة م ج ر ت ل ا ع م ل ا ح ل ا و ه
ي ل ا ا م ا د ع و ج ر ل ا ب ي ص و ت و ت ا م ج ر ت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Systems
(ر ف و ت م ط ب ا ر ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا د ن ت س م ل ا