

Catalyst ىل ع ةي ج را خ ل ا ة ق د ا ص م ل ا ن ي و ك ت Center Windows Server م ا د خ ت س ا ب

ت ا ي و ت ح م ل ا

[ة م د ق م ل ا](#)

[ة ي س ا س ا ل ا ت ا ب ل ط ت م ل ا](#)

[ت ا ب ل ط ت م ل ا](#)

[ة م د خ ت س م ل ا ت ا ن و ك م ل ا](#)

[ن ي و ك ت ل ا](#)

[ل و ف س م ل ا ر و د ج ه ت](#)

[ب ق ا م ل ا ر و د ة س ا ي س](#)

[ة ي ج را خ ل ا ة ق د ا ص م ل ا ن ي و ك م ت](#)

[ة ح ص ل ا ن م ق ق ح ت ل ا](#)

ة م د ق م ل ا

ة ي م ق ر ل ا ة ك ب ش ل ا ة ي ن ب ز ك ر م ي ف ة ي ج را خ ل ا ة ق د ا ص م ل ا ن ي و ك ت ة ي ف ي ك د ن ت س م ل ا ا ذ ه ف ص ي
RADIUS. ه ن ا ى ل ع Windows Server ي ف Network Policy Server (NPS) م ا د خ ت س ا ب Cisco ن م (DNA)

ة ي س ا س ا ل ا ت ا ب ل ط ت م ل ا

ت ا ب ل ط ت م ل ا

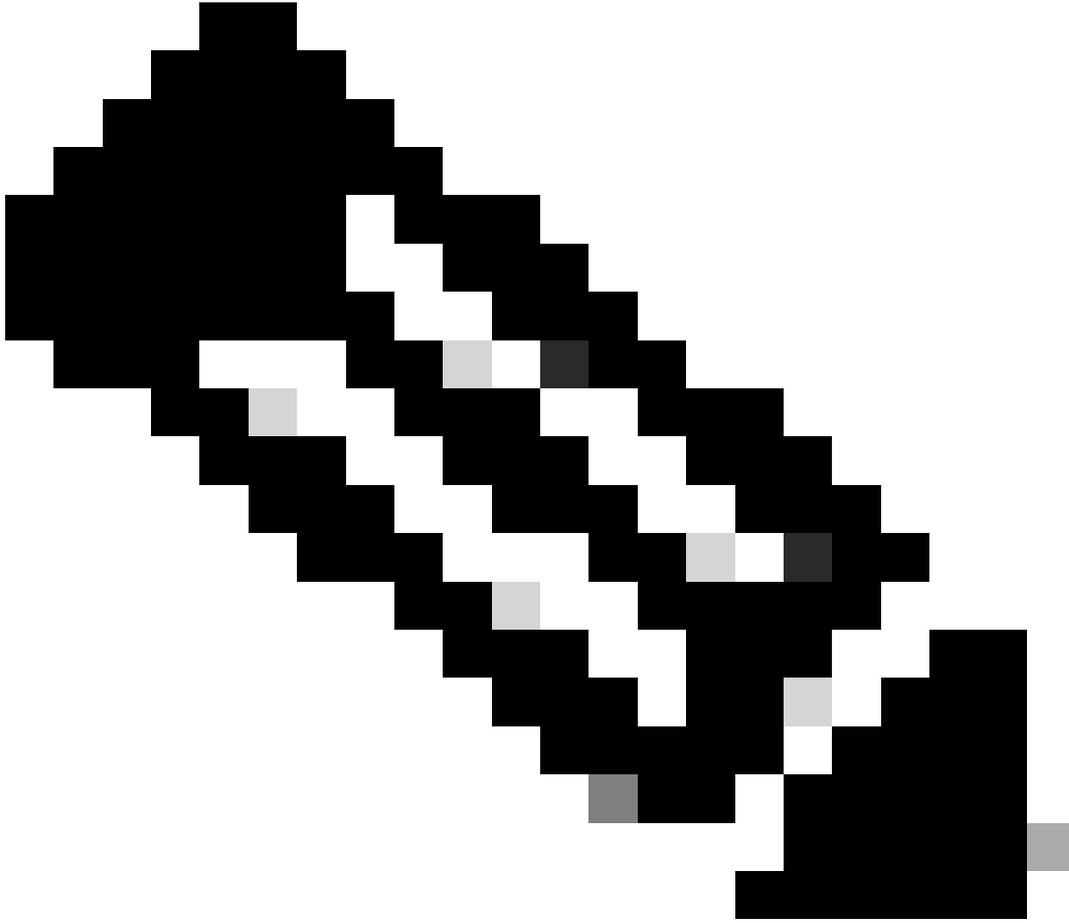
ل و ح ة ي س ا س ا ة ف ر ع م:

- ه ر ا و د ا و Cisco ن م ة ي م ق ر ل ا ة ك ب ش ل ا ة ي ن ب ز ك ر م و م د خ ت س م
- Windows Server و RADIUS و Active Directory ة ك ب ش ج ه ن م د ا خ

ة م د خ ت س م ل ا ت ا ن و ك م ل ا

- Cisco 2.3.5.x ن م ة ي م ق ر ل ا ة ك ب ش ل ا ة ي ن ب ز ك ر م
- Microsoft Windows Server ر ا د ص ل ا 2019 ل م ع ي ي ذ ل ا 2019 ر ا د ص ل ا و Active Directory و NPS و DNS م د ا خ و ل ا ج م ل ا ب م ك ح ت ة د ح و ك ل م ع ي ي ذ ل ا 2019 ر ا د ص ل ا و Active Directory و

ة ص ا خ ة ي ل م ع م ة ئ ي ب ي ف ة د و ج و م ل ا ة ز ه ج ا ل ا ن م د ن ت س م ل ا ا ذ ه ي ف ة د ر ا و ل ا ت ا م و ل ع م ل ا ع ا ش ن ا م ت
ت ن ا ك ا ذ ا (ي ض ا ر ت ف ا) ح و س م م ن ي و ك ت ب د ن ت س م ل ا ا ذ ه ي ف ة م د خ ت س م ل ا ة ز ه ج ا ل ا ع ي م ج ت ا د ب
ر م ا ي ا ل ل م ت ح م ل ا ر ي ث ا ت ل ل ك م ه ف ن م د ك ا ت ف ، ل ي غ ش ت ل ا د ي ق ك ت ك ب ش



Microsoft لڤنفل م عدل Cisco نم (TAC) ةنقتل ةدعاسم ل زكرم رفوي ال: ةظحالم
ىجرىف Microsoft Windows Server نىوكت فى لكاشم تهجاو اذ. ةنفل ةدعاسم ىلع لوصحلل Microsoft معدب لاصتال

نىوكتال

لوؤسم ل رودهن

1. ةكبشلال جهن مداخ ددح مث. NPS نع شحباو Windows فى ادبا ةمئاق فى رقنا.

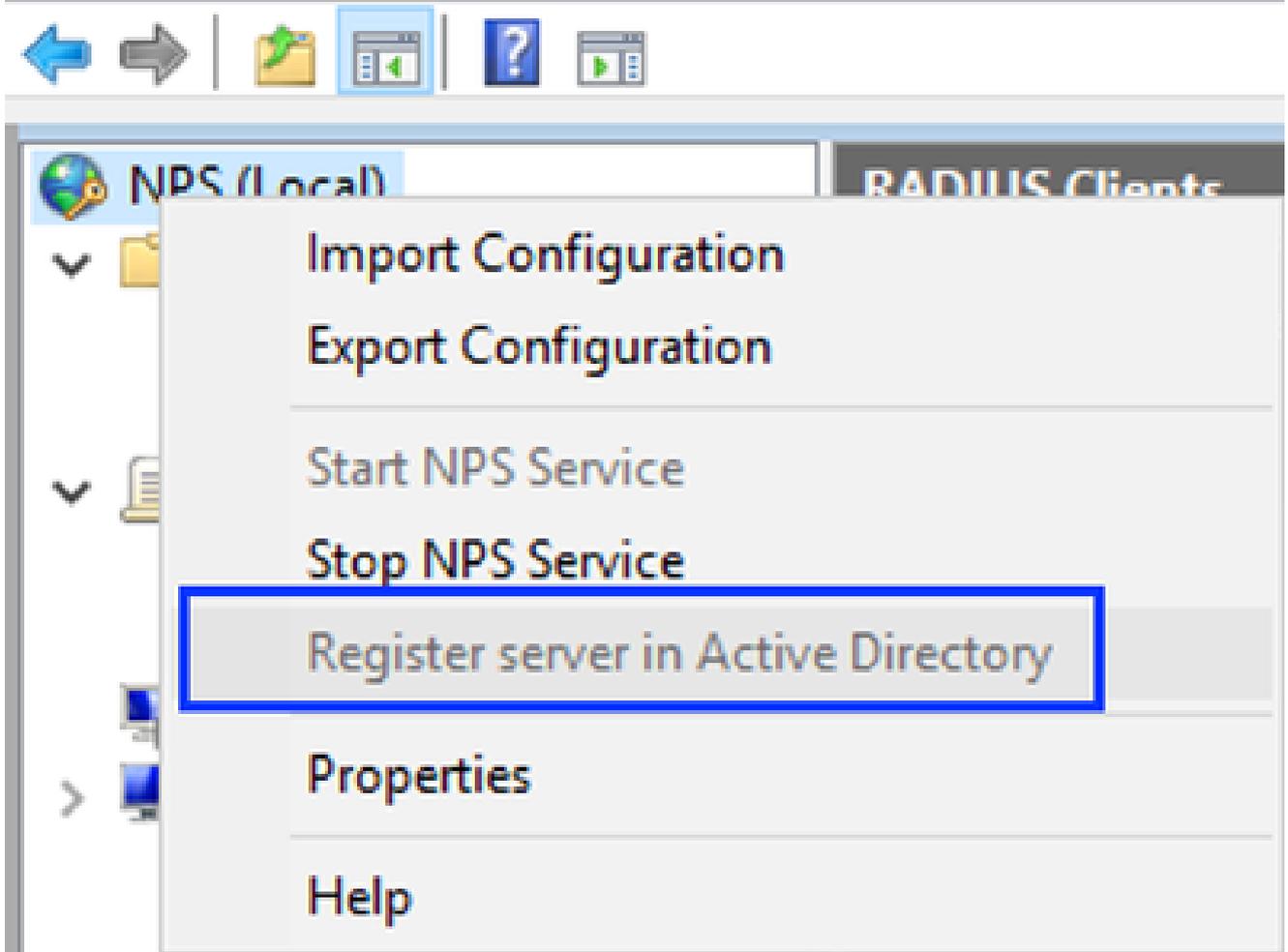


Network Policy Server

Desktop app

Network Policy Server

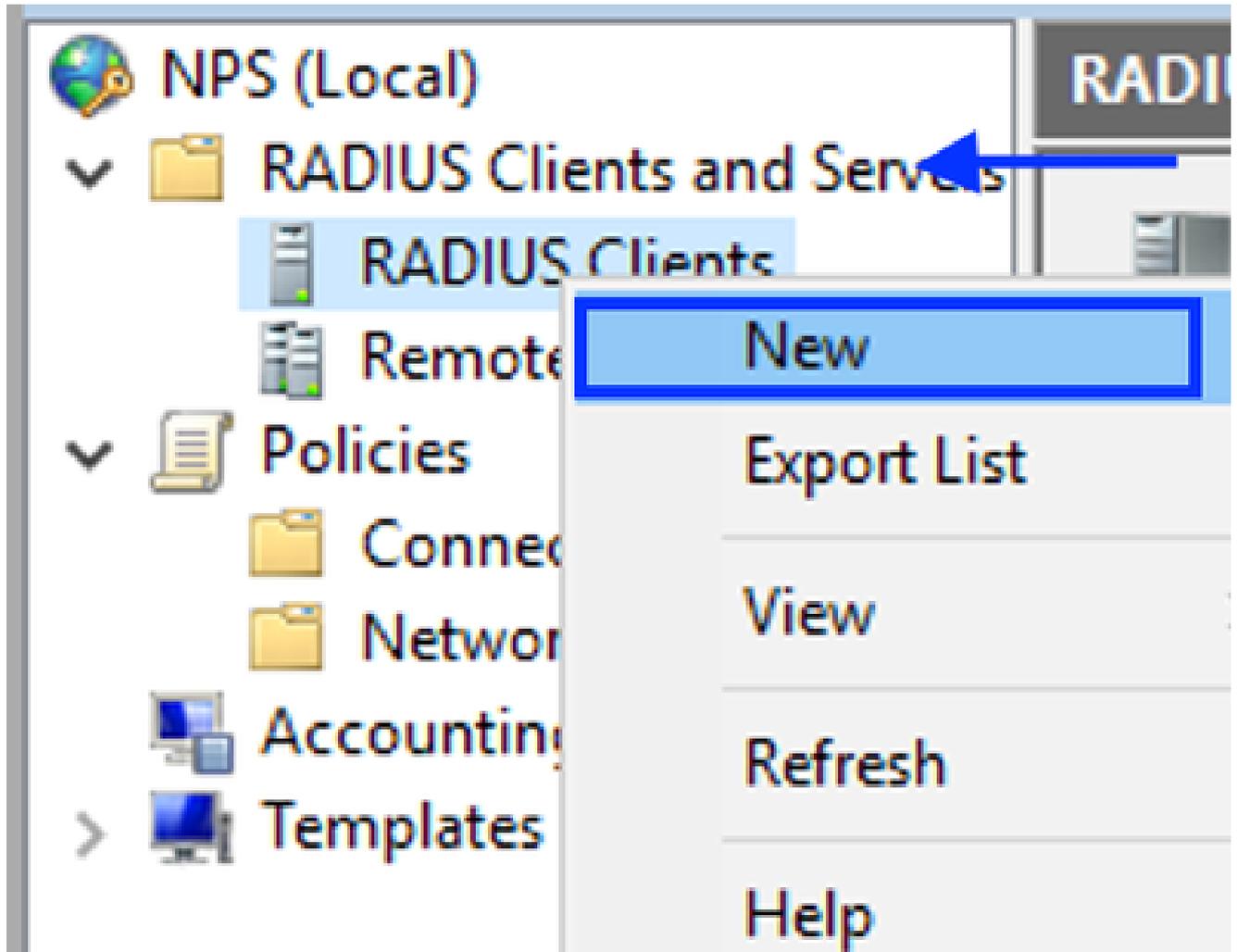
File Action View Help



Windows كەبش جەن قەمدخ

3. نېترم OK قوف رونا .

4. ددو، RADIUS ءالمع قوف نميال سواملا رزب روناو، مداوخو RADIUS ءالمع عيسوتب مق .
ديج:



RADIUS لي معة فاضا

5. نم (DNA) ةيمقرلا ةكبشلا ةينب زكرم ةرادب صاخلا IP ناو نعو، فولأملا مسالا لخداً (دعب اميف اذه مادختسا نكمي) كرتشم رسو، Cisco:

DNAC Properties X

Settings **Advanced**

Enable this RADIUS client

Select an existing template:

Name and Address

Friendly name:

Address (IP or DNS):

Shared Secret

Select an existing Shared Secrets template:

To manually type a shared secret, click Manual. To automatically generate a shared secret, click Generate. You must configure the RADIUS client with the same shared secret entered here. Shared secrets are case-sensitive.

Manual Generate

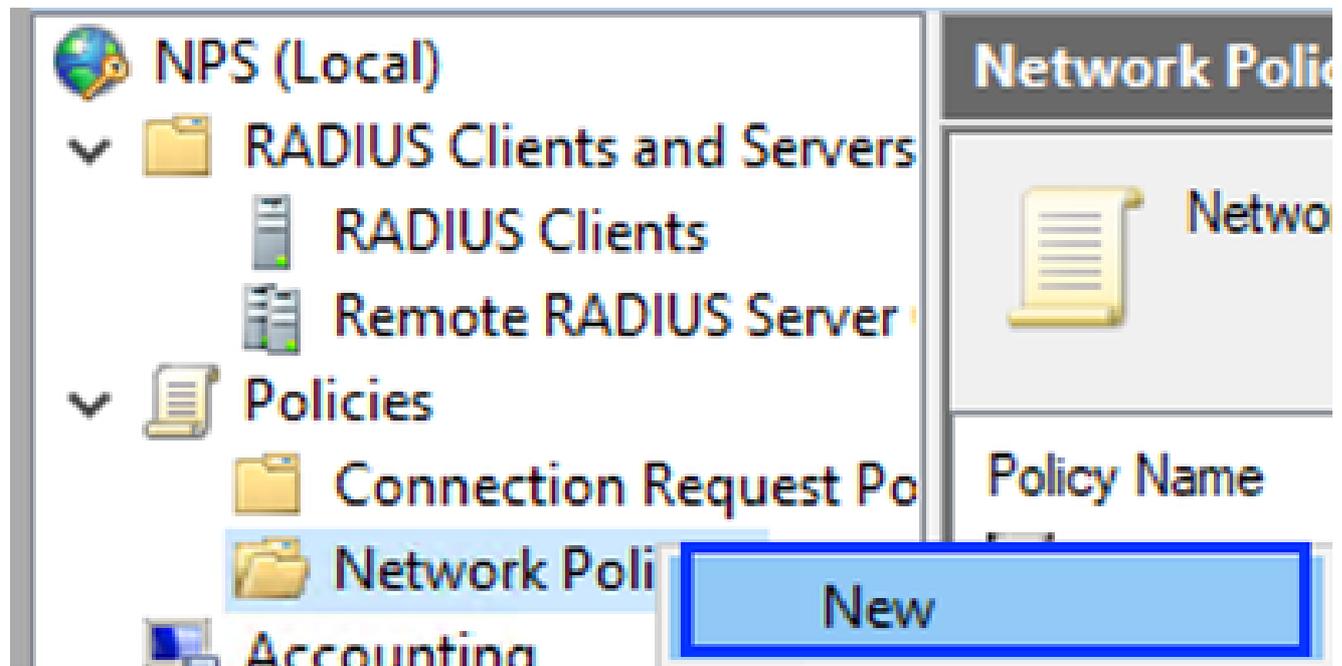
Shared secret:

Confirm shared secret:

RADIUS لي م ع ني وكت

6. هظ فح ي ن أ ok ة ق ط ق ط .

7. دي دج ددحو ة ك ب ش ل ل ت اس ايس قوف نم ي ال س و ام ل رزب رق ن او ، ت اس ايس ل ع ي س و ت ب مق .



ديج ةكبش جهن ةفاض

يئاتللا قوف رقناو ةدعاق لل جهن مسا لخدأ. 8.



Specify Network Policy Name and Connection Type

You can specify a name for your network policy and the type of connections to which the policy is applied.

Policy name:

Network connection method

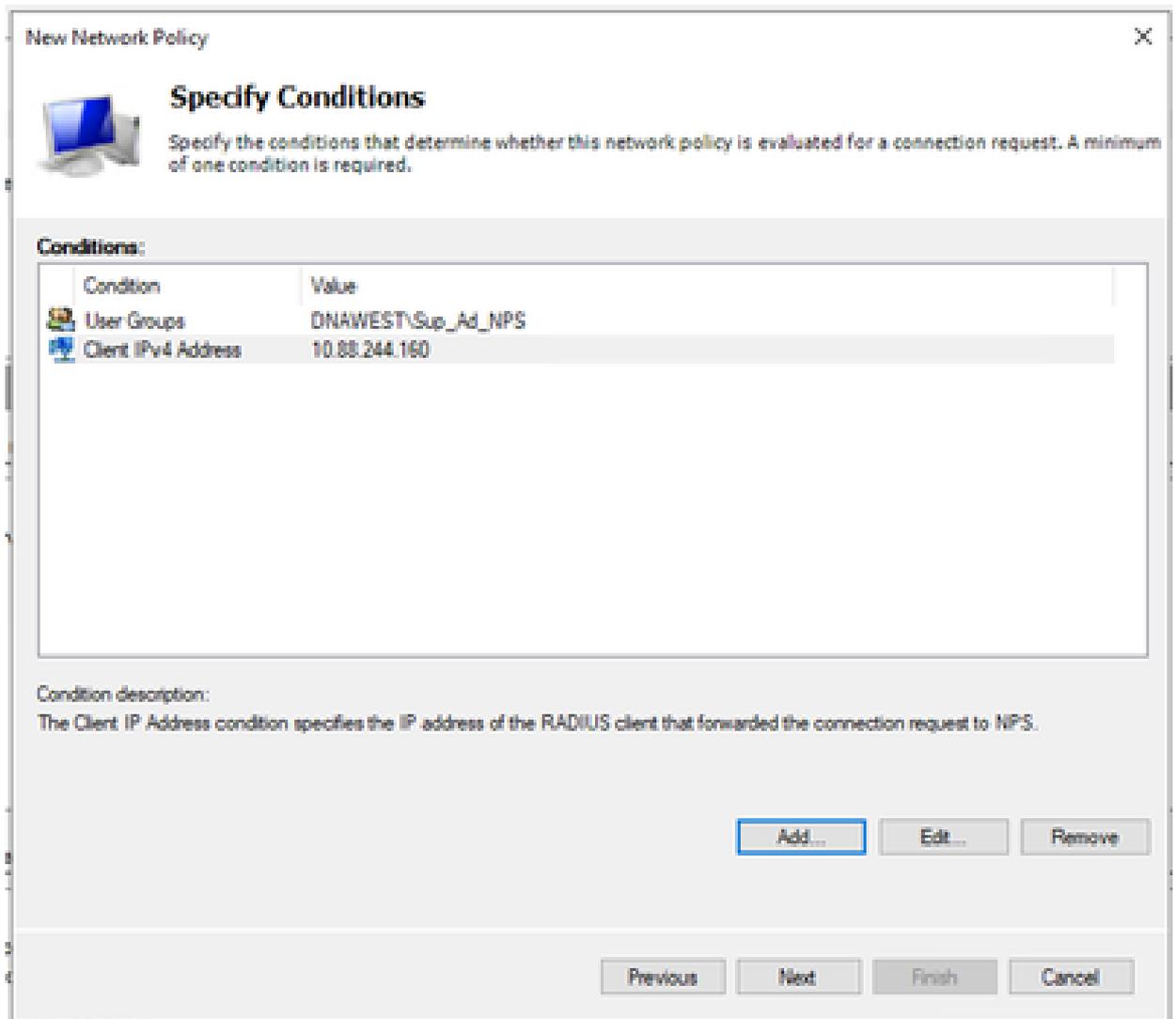
Select the type of network access server that sends the connection request to NPS. You can select either the network access server type or Vendor specific, but neither is required. If your network access server is an 802.1X authenticating switch or wireless access point, select Unspecified.

Type of network access server:

Vendor specific:

جهنلا مسا

9. يلاتلا قوف رقناو نيطرشلا نيذه فضا، ةني عم لاجم ةومجم حامس لل:
- اهل نوكي نأ نكمي يتلا كبة صاخلا لاجم ةومجم فضا - ني مدختسم لاجم ةومجم مادختسا متي، لاثم لاي بس يلع) ةيمقرلا ةكبشلا ةينب زكرم يلع لوؤسم رود Cisco نم (sup_ad_nps) ةومجم
 - ةيمقرلا ةكبشلا ةينب زكرم ةراداب صاخلا IP ناو نع فضا - ClientIPv4Address Cisco نم (DNA)



ةسايسلا طورش

يالاتلا قوف رقناو حونم ملا لوصولا ددح. 10:

New Network Policy ✕



Specify Access Permission

Configure whether you want to grant network access or deny network access if the connection request matches this policy.

Access granted
Grant access if client connection attempts match the conditions of this policy.

Access denied
Deny access if client connection attempts match the conditions of this policy.

Access is determined by User Dial-in properties (which override NPS policy)
Grant or deny access according to user dial-in properties if client connection attempts match the conditions of this policy.

Previous Next Finish Cancel

مادختسالا ىلا لوصولا قح حنم مت

11. ةرفشملا ريغ ةقداصلما طقف ددح (PAP، SPAP):



Configure Authentication Methods

Configure one or more authentication methods required for the connection request to match this policy. For EAP authentication, you must configure an EAP type.

EAP types are negotiated between NPS and the client in the order in which they are listed.

EAP Types:

Move Up

Move Down

Add...

Edit...

Remove

Less secure authentication methods:

- Microsoft Encrypted Authentication version 2 (MS-CHAP-v2)
 - User can change password after it has expired
- Microsoft Encrypted Authentication (MS-CHAP)
 - User can change password after it has expired
- Encrypted authentication (CHAP)
- Unencrypted authentication (PAP, SPAP)
- Allow clients to connect without negotiating an authentication method.

Previous

Next

Finish

Cancel

ەرفشم ريغ ەقداصم ديدحت

12. ەيضا رتفالال ميقلال مادختسال ارظن يلاتلال ددح:



Configure Constraints

Constraints are additional parameters of the network policy that are required to match the connection request. If a constraint is not matched by the connection request, NPS automatically rejects the request. Constraints are optional; if you do not want to configure constraints, click Next.

Configure the constraints for this network policy.

If all constraints are not matched by the connection request, network access is denied.

Constraints:

Constraints

- Idle Timeout
- Session Timeout
- Called Station ID
- Day and time restrictions
- NAS Port Type

Specify the maximum time in minutes that the server can remain idle before the connection is disconnected

Disconnect after the maximum idle time

1

Previous

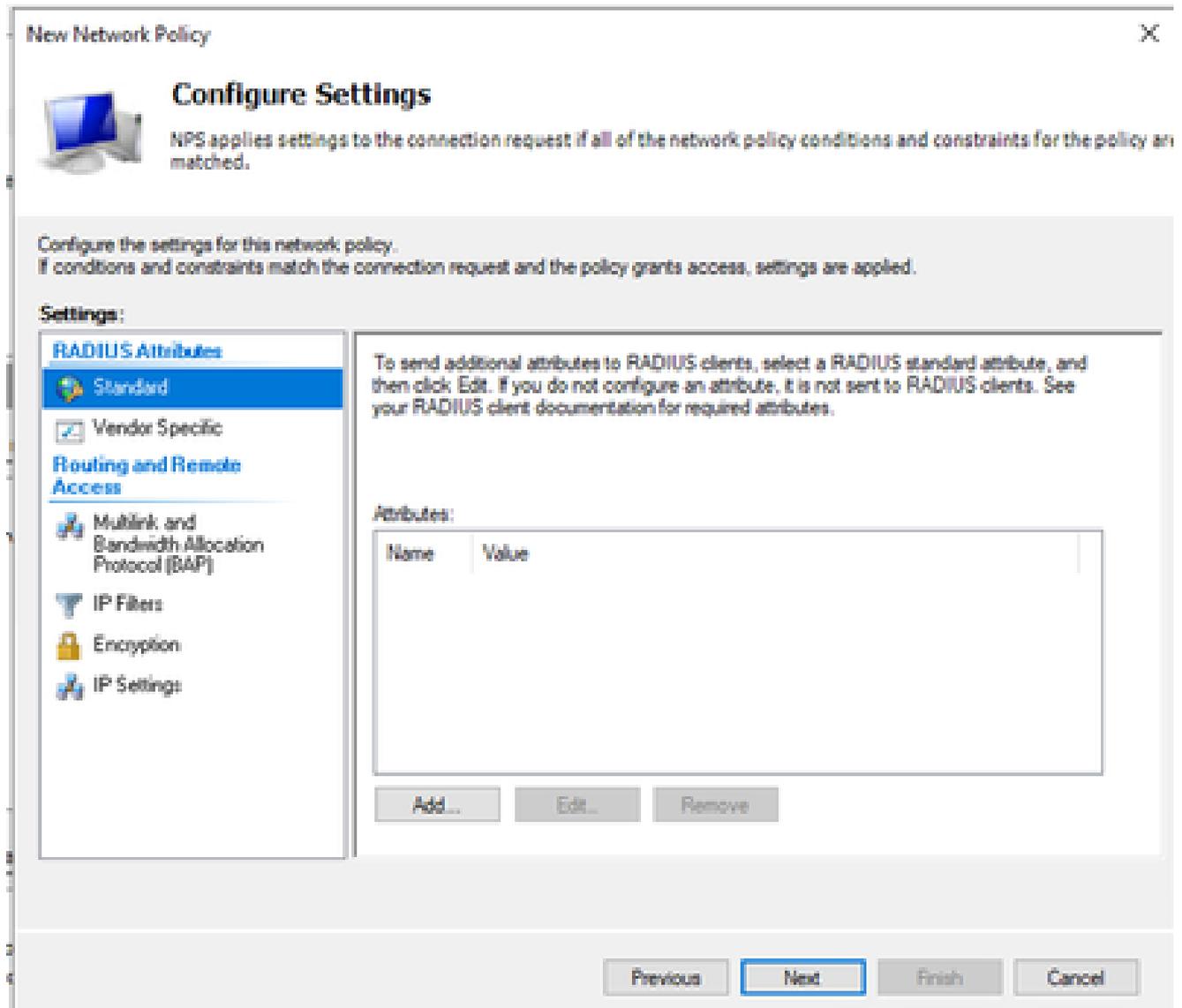
Next

Finish

Cancel

ديقلا اذفان نيوكت

13. ةيسايقلا تامسلا ةلازا:



اهم ادخات س| بولطلم تامس ل فيرعت

14. رقناو، درومك Cisco دجو، ةفاضل قوف رقنا كلذ دع ب، ددجم درومل تامس ددجت RADIUS ي ف. ةفاضل قوف:

Add Vendor Specific Attribute



To add an attribute to the settings, select the attribute, and then click Add.

To add a Vendor Specific attribute that is not listed, select Custom, and then click Add.

Vendor:

Attributes:

Name	Vendor
Cisco-AV-Pair	Cisco

Description:

Specifies the Cisco AV Pair VSA.

Add...

Close

Cisco ن م AV جوز ة فاضا

نيترم ok ة ق ط ق و =super-admin-role رود ب ت كي ، فيضي ة ق ط ق . 15



Configure Settings

NPS applies settings to the connection request if **all** of the network policy conditions and constraints for the policy are matched.

Configure the settings for this network policy.

If conditions and constraints match the connection request and the policy grants access, settings are applied.

Settings:

RADIUS Attributes

Standard

Vendor Specific

Routing and Remote Access

Multilink and Bandwidth Allocation Protocol (BAP)

IP Filters

Encryption

IP Settings

To send additional attributes to RADIUS clients, select a Vendor Specific attribute, and then click Edit. If you do not configure an attribute, it is not sent to RADIUS clients. See your RADIUS client documentation for required attributes.

Attributes:

Name	Vendor	Value
Cisco-AV-Pair	Cisco	Role=SUPER-ADMIN-ROLE

Add...

Edit...

Remove

Previous

Next

Finish

Cancel

Cisco نم AV-جوز ةمس ةفاض ا تمت

16. يلاتال دح مٲ ،قالغ ا دح .

17. هظفل ءاهن ا دح و جهنل ا ناداع ا عجار .



Completing New Network Policy

You have successfully created the following network policy:

DNAC-Admin-Policy

Policy conditions:

Condition	Value
User Groups	DNAWEST\Sup_Ad_NPS
Client IPv4 Address	10.88.244.160

Policy settings:

Condition	Value
Authentication Method	Encryption authentication (CHAP)
Access Permission	Grant Access
Ignore User Dial-In Properties	False
Cisco-AV-Pair	Role=SUPER-ADMIN-ROLE

To close this wizard, click Finish.

Previous

Next

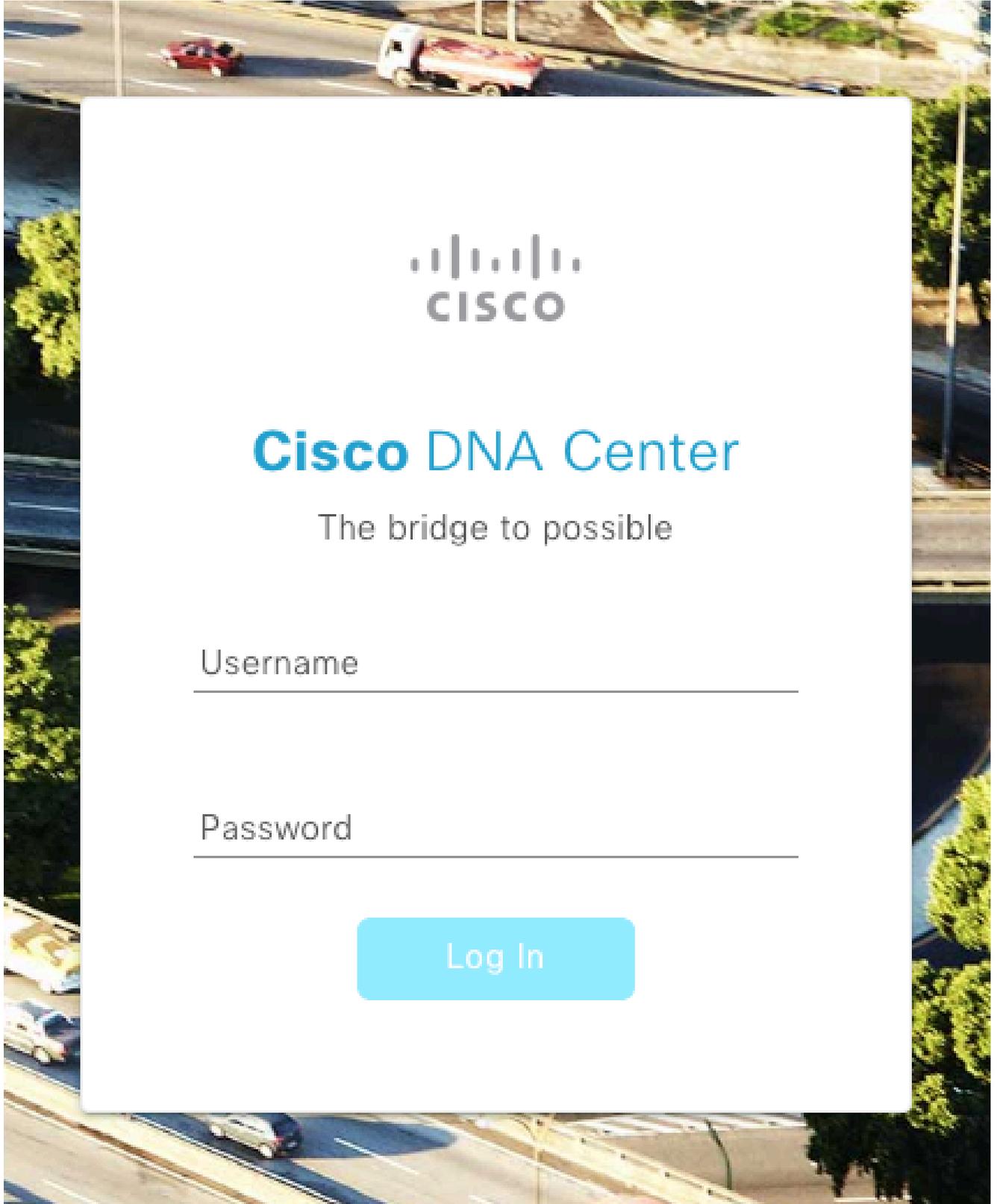
Finish

Cancel

جەنەلە صەخەلم

بەقارمەلە رود ەسايس

1. ەكەبشەلە جەنە مەداخ دەج مەث NPS نە شەبەو Windows يە فەئەقە يە فە رەقنە.
2. رەيخە يە نەمەيەلە سەوامەلە رەزبە رەقنەلە ذەيە نەتەبە مەق، رەسيەلە بەنەجەلە يە فە فەصتەلە ەجولە نەمە NPS Active Directory يە فە لەجەستەلە مەداخ دەجو (يەلجەم) نەمە.
3. نەيەتەرمە OK قوف رەقنە.
4. دەجو، RADIUS ەلەمە قوف نەمەيەلە سەوامەلە رەزبە رەقنەو، مەداوخو RADIUS ەلەمە عەيسوتەبە مەق دەجە.
5. Cisco نەمە (DNA) ەيەمقەرلە ەكەبشەلە ەيەنەبە زەكەرمە ەرادەبە صەاخەلە IP نەونەو، افولەمە امسە لەخەدە.
6. ەظەفەجە نەمە OK ەقەقەقە.
7. دەجە دەجو، ەكەبشەلە تەسايسە قوف نەمەيەلە سەوامەلە رەزبە رەقنەو، تەسايسەلە عەيسوتەبە مەق.



Cisco نم ةيمقرلا ةكبشلا ةينب زكرم ىلإ لوخدلا ليحست ةحفص

- > فاضإ ددحو ةسايسلا ةقداصملا مداوخ > دادعإ > ماظنلا > ةمئاقلا ىلإ لقتنا 2.
> ةبساطملا او ضيوفتلا ةقداصملا (AAA):

Authentication and Policy Servers

Use this form to specify the servers that authenticate Cisco DNA Center users. Cisco Identity Services Engine (ISE) servers can also supply policy and user information.

[Add](#) [Export](#)

AAA	Protocol
ISE	RADIUS_TACACS

Windows مداخل فاضا

- في مدخستسملا كرتشملا رسلا او Windows Server ىلع كپ صاخلا IP ناوع بتكا .
ظفح قوف رقناو ةقباسلا تاوطلخا

Add AAA server



Server IP Address*

10.88.244.148

Shared Secret*

.....|

[SHOW](#)



Advanced Settings

Cancel

Save

4. ةطشن Windows Server ةلأح نأ نم ققحت:

10.88.244.148

RADIUS

AAA

ACTIVE



Windows Server صخلم

5. AAA مدأخ ددحو ةيجراخلأ ةقداصملا > راودألأو نومدختسملا > ماظنلا > ةمئاقلا ىلإ لقتنا. 5. كب صاخالأ

▼ AAA Server(s)

Primary AAA Server

IP Address

10.88.244.148

Shared Secret

[Info](#)

[View Advanced Settings](#)

Update

AAA مداخل Windows مداخل

ثي دحت رقن او AAA ةمسك Cisco-AVPair بتك ا. 6.

✓ AAA Attribute

AAA Attribute

Cisco-AVPair

Reset to Default

Update

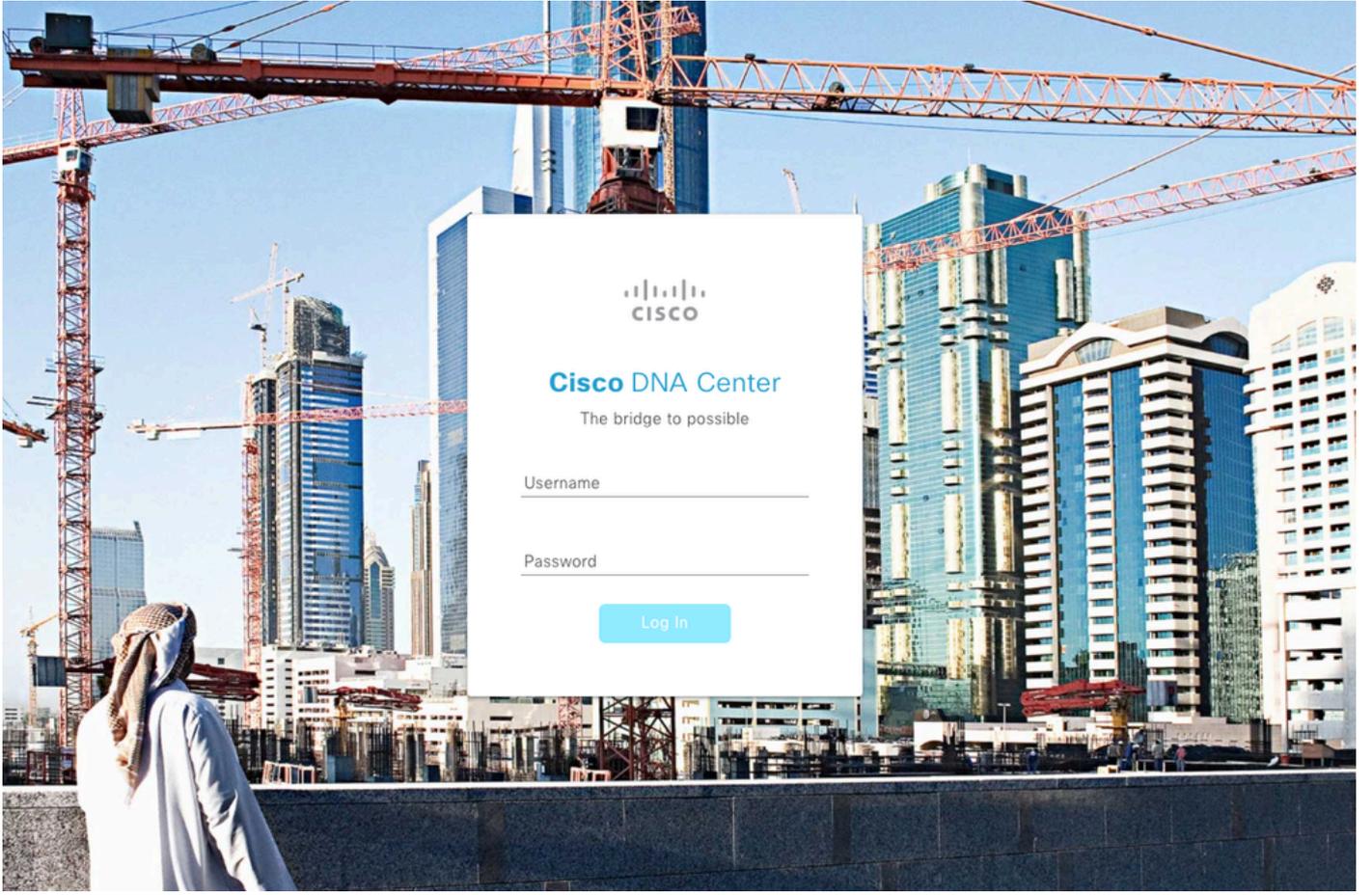
يُجرى إدخال مَدْخَلِ سَمَلِ لِي عِ AV جِوز

7. ةِجِرَاخِ لَاقِدَا صَمَلِ نِي كَمَتَلِ يَجِرَاخِ لَاقِدَا صَمَلِ نِي كَمَت رَايَتَا خَالَا ةِ نَاخِ يَفِ رَقْنَا 7.

Enable External User 

ةِ حَصَلَا نَم قَقِحَتَلَا

نَم (DNA) ةِ مَقَرَلَا ةِ كَبَشَلَا ةِ نَب زَكْرَمَل (GUI) ةِ مَوَسْرَلَا مَدْخَلِ سَمَلَا ةِ هَاوَحَتَفِ كَنَكْمِي مَدْخَلِ يَفِ هَنِيوَكْتَمَتِ يَجِرَاخِ مَدْخَلِ سَمَلَا مَدْخَلِ سَابِ لَوَخْدَلَا لِي جَسْتَوْبِي وَضَرَعَتِ سَمَلِ يَفِ Cisco ةِجِرَاخِ لَاقِدَا صَمَلَا مَدْخَلِ سَابِ حَا جَنَبِ لَوَخْدَلَا لِي جَسْتَوْبِي نَاكْمَا نَم قَقِحَتَلَلِ Windows



Cisco نم ةمقرلل ةكبشلال ةنن بزكرم ىل لوخذلا لىجست ةحفص

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن ت س مل ا ذه Cisco ت مچرت
م ل اع ل اء ان ا ع مچ ي ف ن م دخت س مل ل م عد و ت ح م م دقت ل ة يرش ب ل و
امك ة ق ي ق د ن و ك ت ن ل ة ل ا ة مچرت ل ض ف ا ن ا ة ظ ح ال 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 مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ال ا ة مچرت ل ا ع م ل ا ح ل ا و ه
ى ل ا م اء ا د ع و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا هذه ة ق د ن ع ا ه ت ي ل و ئ س م Cisco
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 دن ت س مل ا