

(NPS) ەكېشلا عقوم ديدحت ماظن نيوكت ەيكلساللا LAN ەكېش يف مكحتلا تادحوو ەيكلساللا تاكېشلاو

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ەمدقملا

Microsoft NPS مادختساب MS-CHAP قىدصم عم PEAP نىوكت ەيفيك دنتسملا اذە فصى
RADIUS مداخل

ەيساسالا تابلطتملا

[تأجيل طصا لوح تأمول عمل نم ديزم ىلع لوصحلل ةينقثا Cisco تأحيملت تأحالطصا عجار
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ةيساسأ تأمول عم

عم (PEAP) يمحمل عسوتمل ةقداصل لوكوتورب نيوكتل اذومن دنتسمل اذه مدقي نم (MS-CHAP) يدحتل ةميقب لاصلتال ديكأتل ةقداصل لوكوتورب 2 رادصلال ةقداصل مداخك (NPS) Microsoft ةكبش جهن مداخ عم Cisco نم ةدحوم ةيكلسال ةكبش ي Microsoft RADIUS.

PEAP ىلع ةماع ةرظن

قدصم PEAP ليمع ني ب ةرفشم ةانق عاشنال (TLS) لقنل ىوتسم ني مأت PEAP مدختسي، RADIUS مداخ ي أو Microsoft NPS لثم، PEAP ةقداصل مو، يكلسال لومحم رتوي بمك لثم ةعسومل ةقداصل تالوكوتورب ايفاضا انامأ رفوي هنكلو، ةقداصل ةقيرط PEAP ددحي TLS ةرفشمال ةانقل لال خ نم لمعت نأ نكمي يتل، EAP-MS-CHAP v2 لثم، ىرخأل (EAP) ني تي سيئر ني تلحرم نم PEAP ةقداصل ةيلمع فلأتت. PEAP اهرفوي يتل.

ةرفشمال TLS ةانق: PEAP نم ىلوال ةلحرمال

IEEE 802.11 ىلع مئاقال نارتقالا رفوي. لوصولو ةطقن ب يكلسالال ليمعل طبتري ةطقنو ليمعل ني ب نمأ نارتقا عاشنال لبك كرتشم حاتفم وأ ماظنلل ةحوتفم ةقداصل، لوصولو ةطقنو ليمعل ني ب حاجن ب IEEE 802.11 ىلع مئاقال نارتقالا عاشنال دعب. لوصولو ليمعل ني ب ةقداصلال لامتكا دعب. لوصولو ةطقن عم TLS لمع ةسلج ىلع ضوافتل متي متي. NPS و ليمعل ني ب TLS لمع ةسلج ىلع ضوافتل متي، حاجن ب NPS و يكلسالال ةقحلال تالاصلتال لك ريفشتل ضوافتل اذه نم دمتسمل حاتفم مادختسا.

قدصم ال EAP لاصلتأ: ةيناثال ةلحرمال PEAP

نمض PEAP اهأشنأ يتل TLS ةانق لخاد، EAP ضوافت نمضتي يذل، EAP لاصلتأ ثدحي EAP-MS-CHAP عم يكلسالال ليمعل NPS قداصي. PEAP ةقداصل ةيلمع نم ىلوال ةلحرمال ني ب لئاسرل هيجوت ةداعإ مكحتل ةدحوو Lightweight عضول ي ف لوصولو ةطقن موقتو. v2 ةيلحمرل ةكبشال ي ف مكحتل ةدحو ىلع رذعتي. طقف RADIUS مداخو يكلسالال ليمعل هذه ريفشت ك ف Lightweight (LAP) عضول ي ف لوصولو طاقنو (WLC) ةيكلسالال (LAN) TLS. ةياهن ةطقن تسيل اهأنال لئاسرل.

ريفوتب مدختسمل موقوي ثيخ) ةحجانل ةقداصل تالواحمل RADIUS لئاسر لسلسلست وه (PEAP-MS-CHAP v2 عم رورمل ةملك ىل ةدنتسم ةحللص دامتعا تانايب

1. EAP-Request/Identity: ليمعل ىل ةي وه بلط ةلاسر NPS لسري.
2. EAP ةي وه/ةباجتسا: ةي وهال ةباجتسا ةلاسرب ليمعل دري.
3. MS-CHAP v2: EAP-Request/EAP-type=EAP MS-CHAP-V2 دحت ةلاسر NPS لسري (يدحتل).
4. EAP-response/EAP-type=EAP-MS-CHAP-V2: هتباجتسا او MS-CHAP v2 يدحتب ليمعل بيحجتي سي (ةباجتسال).
5. EAP: ليمعل ةقداصل ي ف مداخل حج ن ام دنع MS-CHAP v2 حاجن ةمزح NPS لسري.

Request/EAP-type=EAP-MS-CHAP-V2 (حاجن).

6. ةقداصمب ليمعلا موقى امدنع MS-CHAP v2 حاجن ةمزح مادختساب ليمعلا بيجتسي (حاجن) EAP-response/EAP-type=EAP-MS-CHAP-V2: حاجن ب مداخل
7. ةحجانل ةقداصملا ىلإ ريشي يذلا EAP-length-value (TLV) عون NPS لسري
8. EAP-TLV ةلاح حاجن ةلاسرب ليمعلا بيجتسي
9. تاكبش رشن مت اذإ. يداع صن في EAP-Success ةلاسرب لسريو ةقداصملا مداخل لمكي
- ةلاسربلا هذه في VLAN ةكبش تامس ني مضت متيسف ، ليمعلا لزعل VLAN

نيوكتلا

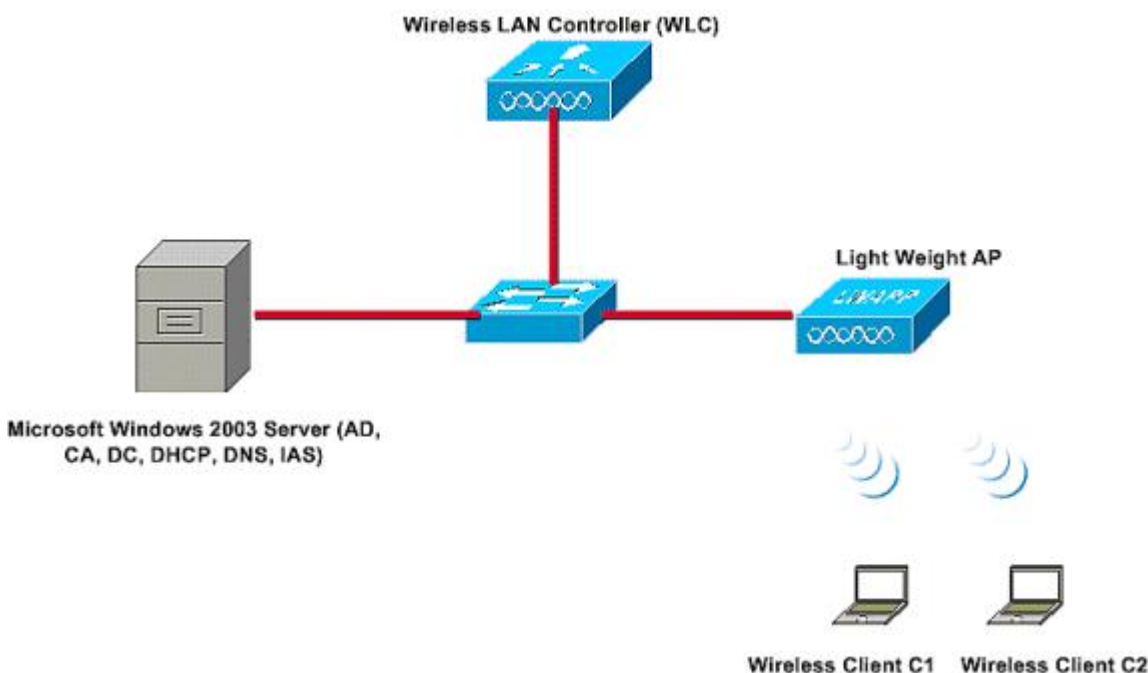
PEAP-MS-CHAP v2 نيوكت تامولعم كل مدقت ، مسقلا اذه في



اذه في لمعتسي رمألا ىلع ةمولعم ريثك لاني نأ ةادأ lookup رمألا تلمعتسا : ةطخالما
تامولعمو Cisco تاودأ ىلإ لوصولو نيلجسملا Cisco يمدختسمل طقف نكمي . مسق
ةيلخاد

ةكبشلل يطيختلا مسرلا

يالاتلا ةكبشلا دادعإ نيوكتلا اذه مدختسي



ةكبشلل يطيختلا مسرلا

ةيلاتلا راودألا ذيفنتب Microsoft Windows 2008 مداخ موقى ، دادعإلا اذه في

- لاجملل لاجملاب مكحتلا ةدحو
- DHCP/DNS مداخ
- CA مداخ
- نيلكلساللا ني مدختسملا ةقداصملا - NPS

- مدخستسملا تانايب ةدعاق ىلع ظافحلل - Active Directory ةمدخ

اضيا لصتت .حضورم وه امك 2 ةقبطلا نم لوحم لالخ نم ةيكلسللا ةكبشلاب مداخل لصتي
عضولا يف لوصوللا ةطقنو (WLC) ةيكلسللا ةيلحمللا ةكبشلا يف مكحتلا ةدحو
2. ةقبطلا لوحم لالخ نم ةكبشلاب ةلجسمللا (LAP) Lightweight

Wi-Fi (WPA2) 2 يمحمل لوصولل PEAP-MS-CHAP v2 ةقداصم يكلسللا ءالمعل مدختسي
ةيكلسللا ةكبشلاب لاصللا.

تانيوكتلا

(LAN) ةيلحمللا ةكبشلا يف مكحت ةدحوو Microsoft 2008 مداخل نيوكت وه لاثملا اذه نم فدهلا
ةقداصمب نيكلسللا ءالمعل ةقداصم نزللا ةفيفخ (AP) لوصول ةطقنو ةيكلسللا
ةيلمعل هذه يف ةيسيئر تاوطخ لاثل كانهو. PEAP-MS-CHAP v2

1. Microsoft Windows 2008 مداخل نيوكتب مق.
2. يف لوصول طاقنو (WLC) ةيكلسللا ةيلحمللا ةكبشلا يف مكحتلا ةدحو نيوكتب مق.
Lightweight APs. عضولا
3. نيكلسللا ءالمعل نيوكتب مق.

Microsoft Windows 2008 مداخل نيوكت

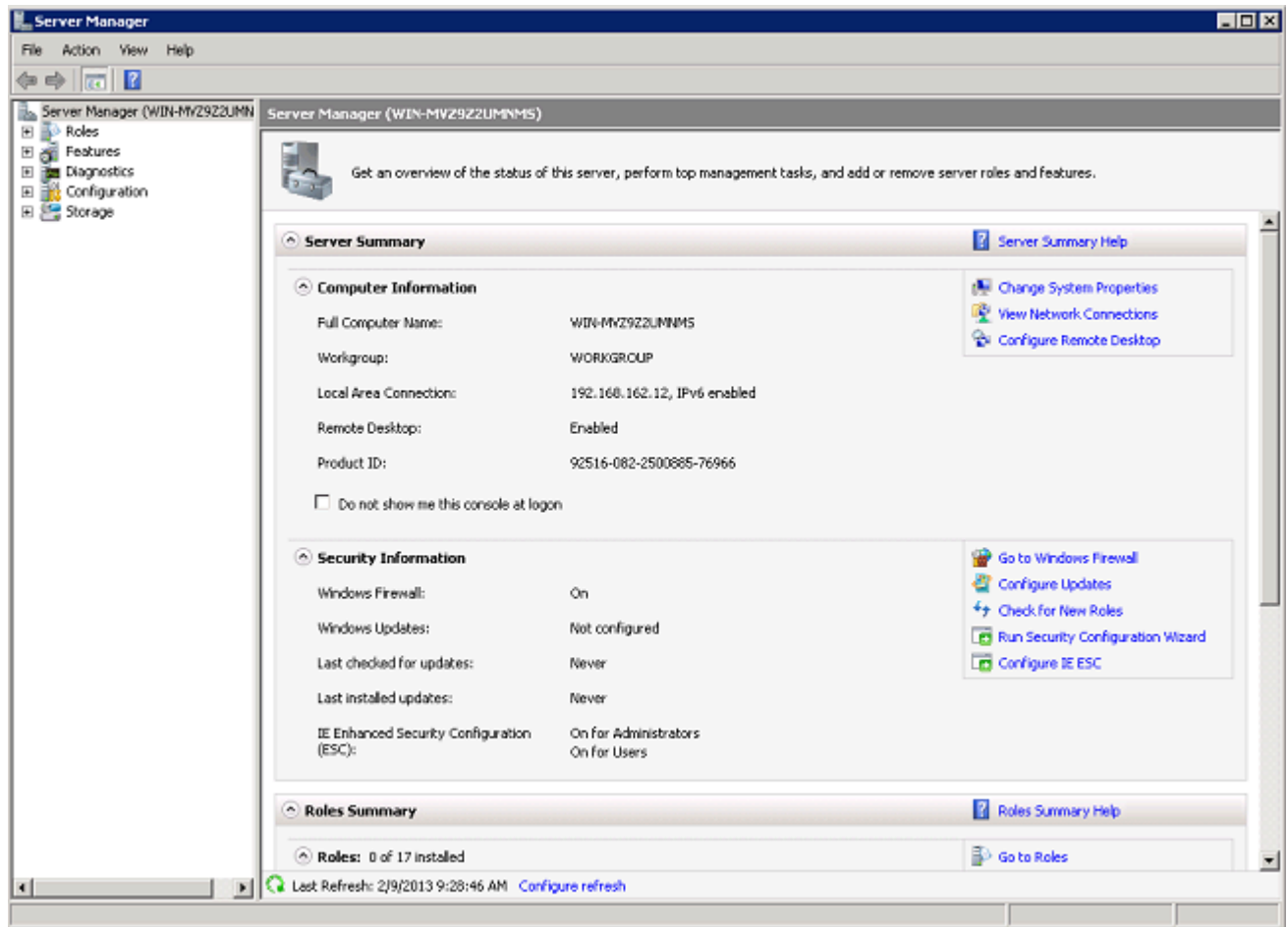
ةيلاتلا تاوطخل Microsoft Windows 2008 مداخل لماك نيوكت نمضتي، لاثملا اذه يف

1. لاجملاب مكحت ةدحوك مداخل نيوكتب مق.
2. اهنوكتو DHCP تامدخ تيبتب مق.
3. CA. مداخل هنيوكتو مداخل تيبتب مق.
4. لاجملاب ءالمعل ليصوت.
5. NPS. تيبتب مق.
6. ةداهش تيبتب.
7. PEAP. ةقداصم نPS نيوكتب مق.
8. Active Directory ىلى نيمدختسم ةفاضا.

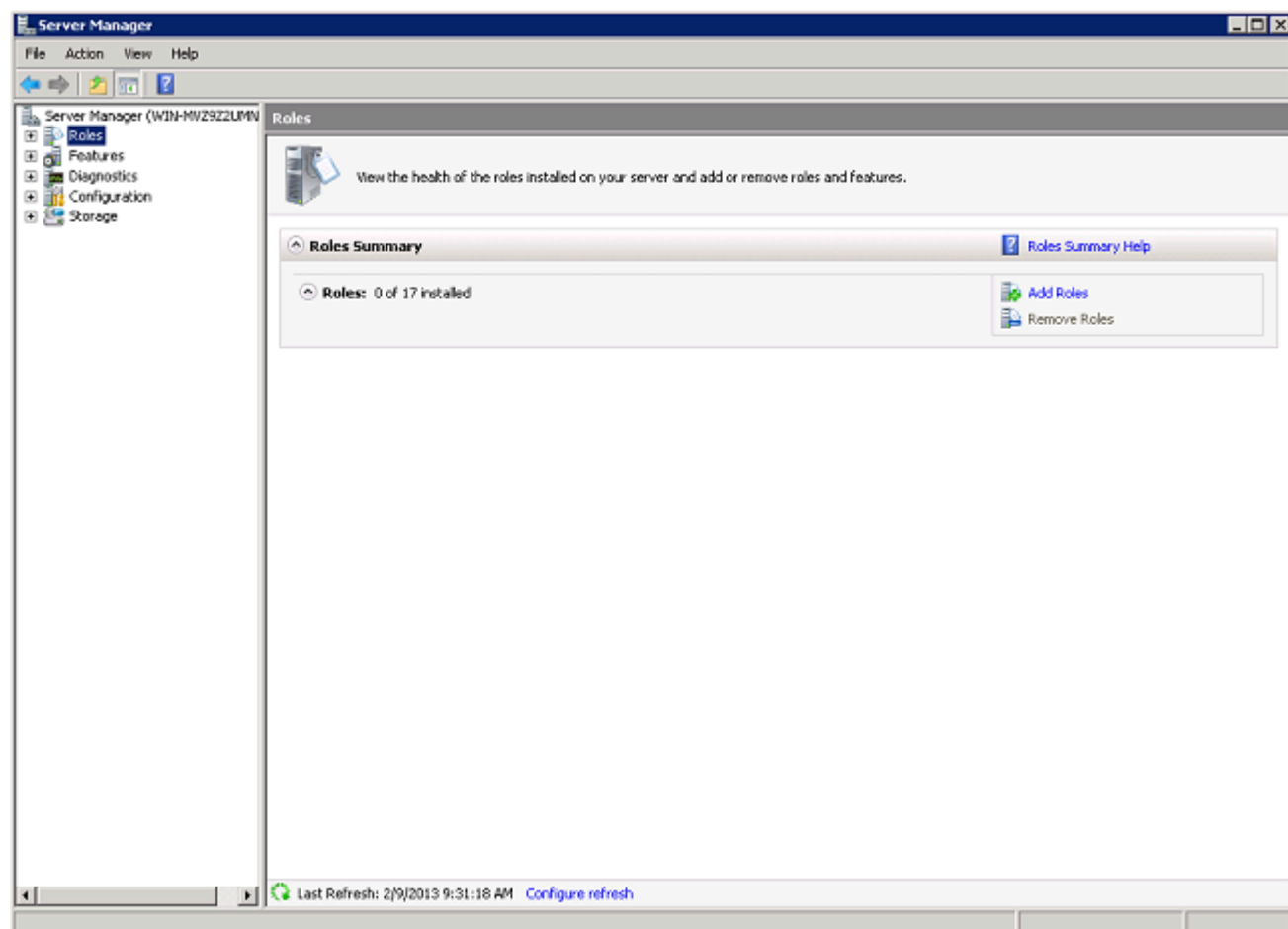
لاجملاب مكحت ةدحوك Microsoft Windows 2008 مداخل نيوكت

لاجملاب مكحت ةدحوك Microsoft Windows 2008 مداخل نيوكتل ةيلاتلا تاوطخل لماك

1. ريديم لدان > ةيادب جمربي ةقطق ط.




2. راوداً ةفاضإ راوداً قوف رقنا .



3. (اليالات) Next قوف رقنا .

Add Roles Wizard

 **Before You Begin**

Before You Begin

Server Roles

Confirmation

Progress

Results

This wizard helps you install roles on this server. You determine which roles to install based on the tasks you want this server to perform, such as sharing documents or hosting a Web site.

Before you continue, verify that:

- The Administrator account has a strong password
- Network settings, such as static IP addresses, are configured
- The latest security updates from Windows Update are installed

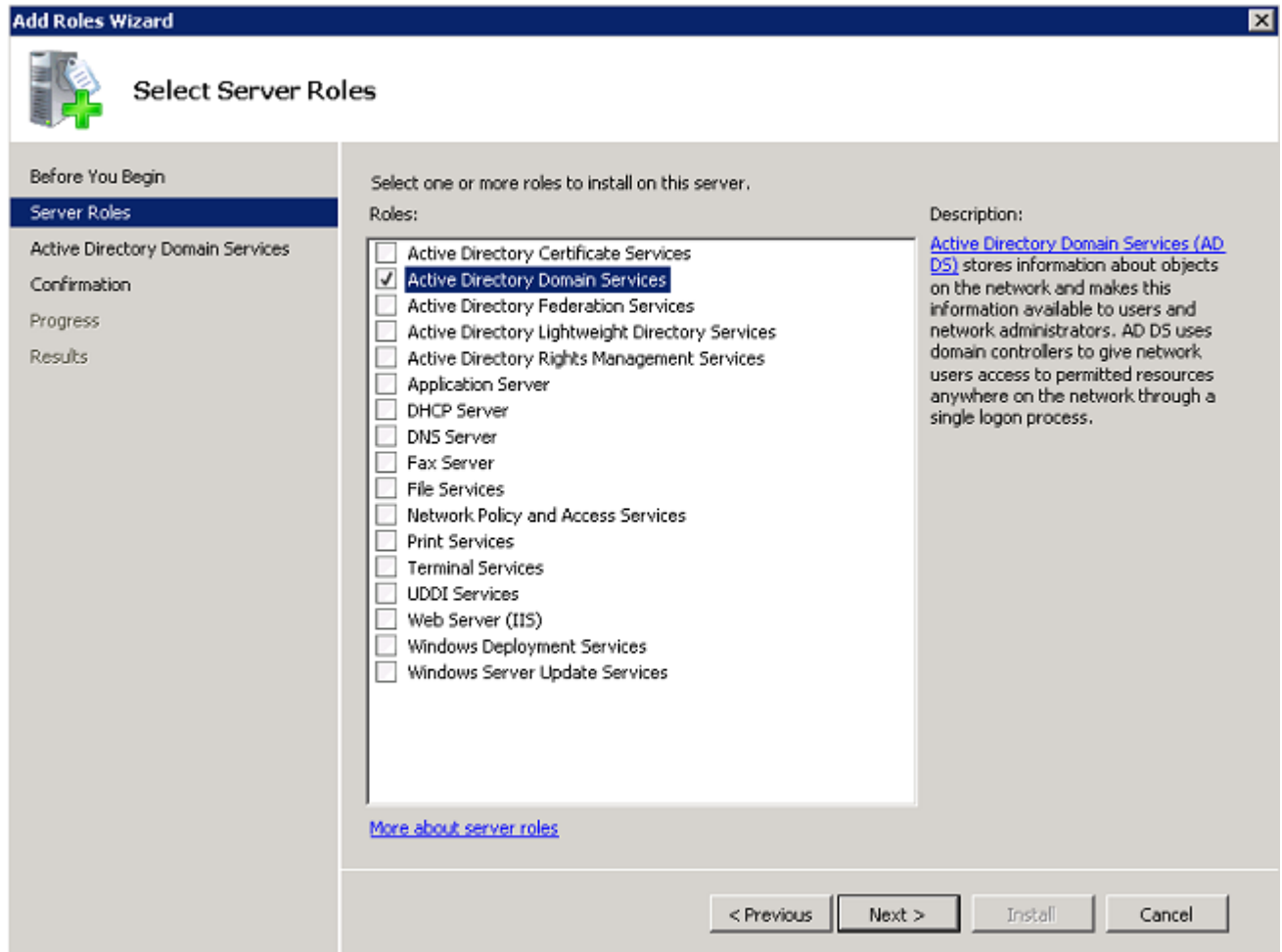
If you have to complete any of the preceding steps, cancel the wizard, complete the steps, and then run the wizard again.

To continue, click Next.

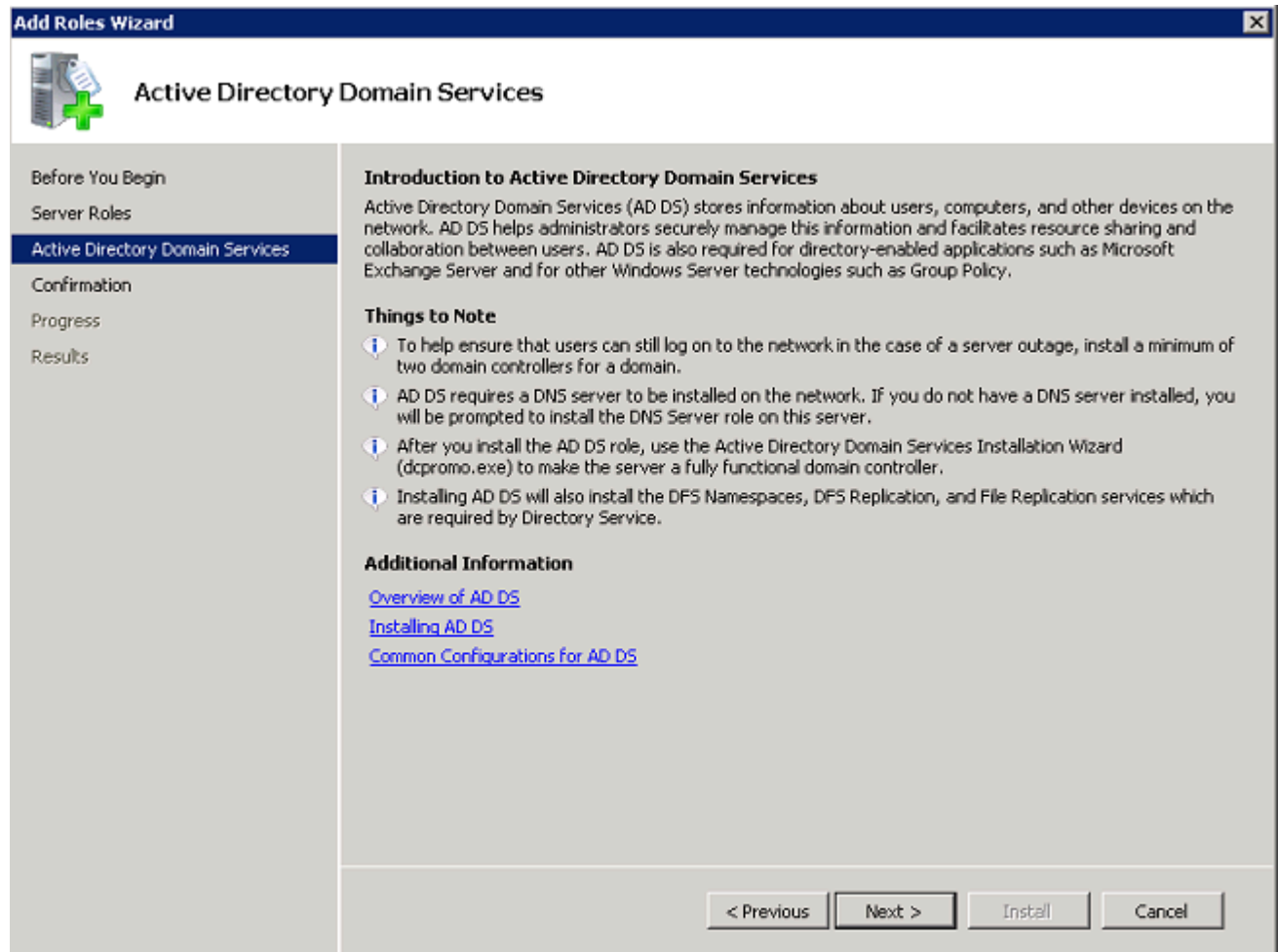
☐ Skip this page by default

< Previous Next > Install Cancel

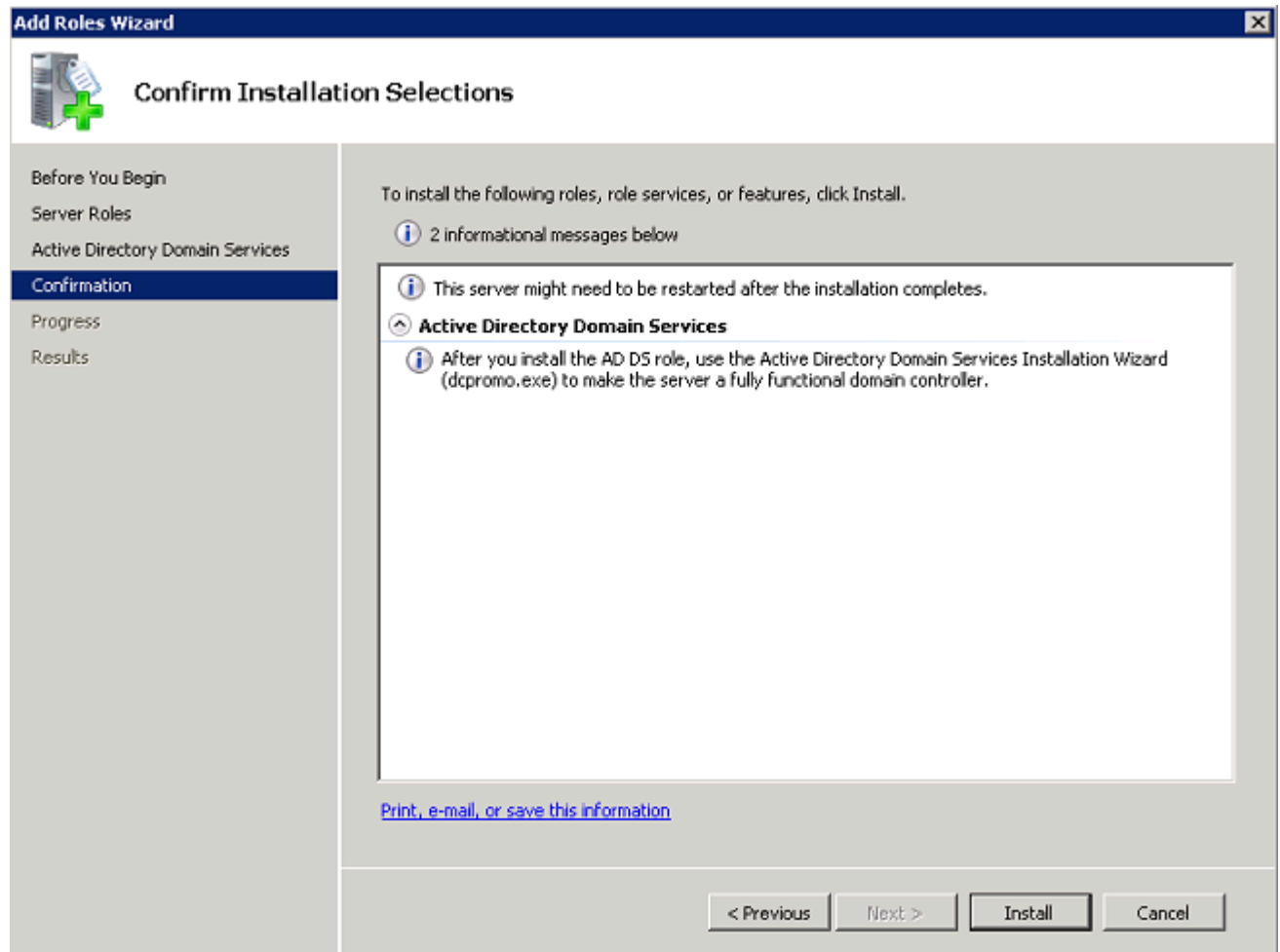
4. يلات لا قوف رقناو، ةمدخلل Active Directory لاجم تامدخ ددح.



5. يلات لا قوف رقناو، Active Directory لاجم تامدخ ةمدقم عجار.

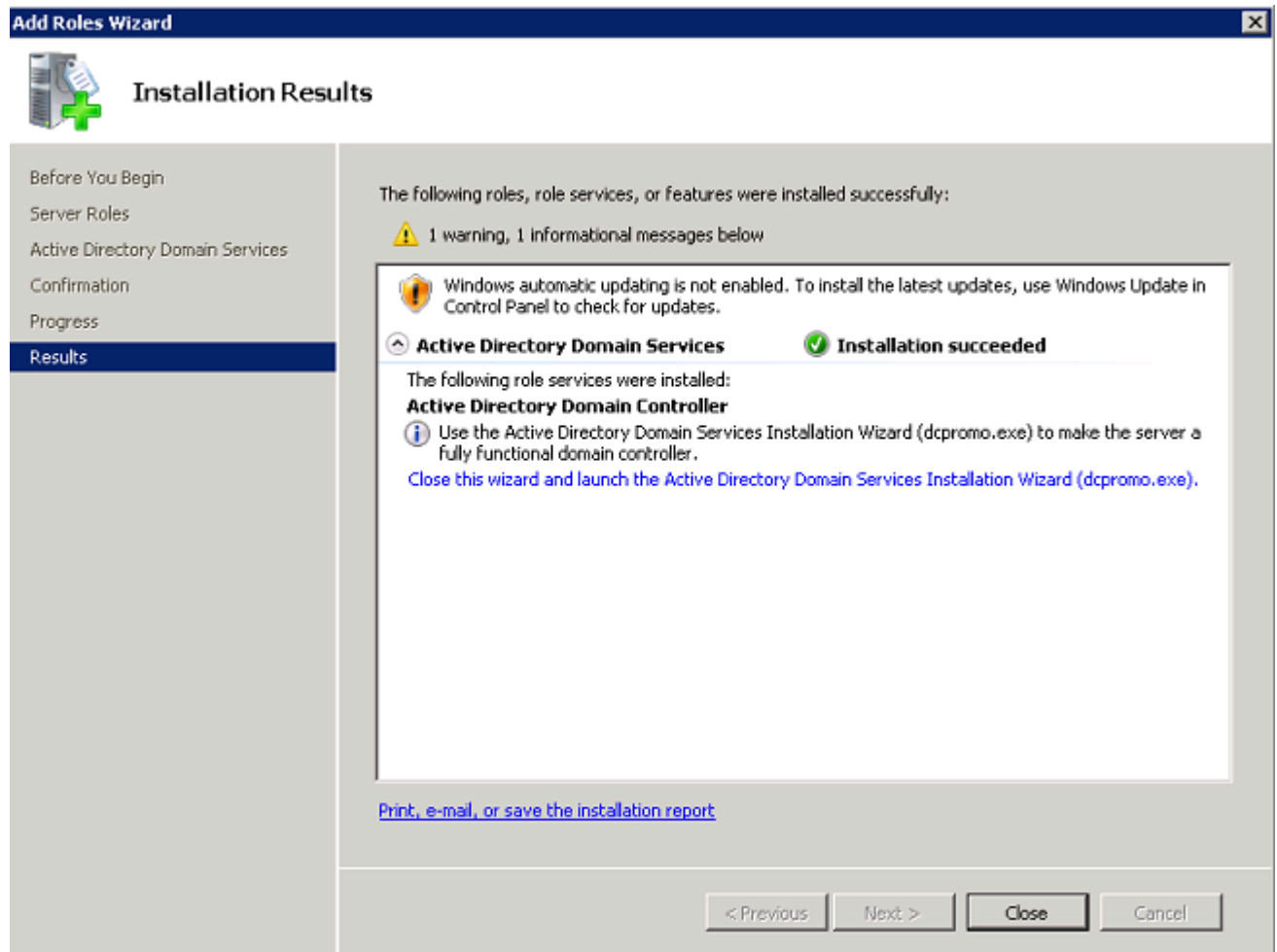


تثبيت الة لى مع دبل تثبيت لى ع رونا 6.



لم تكفي وتثبيت الترميز.

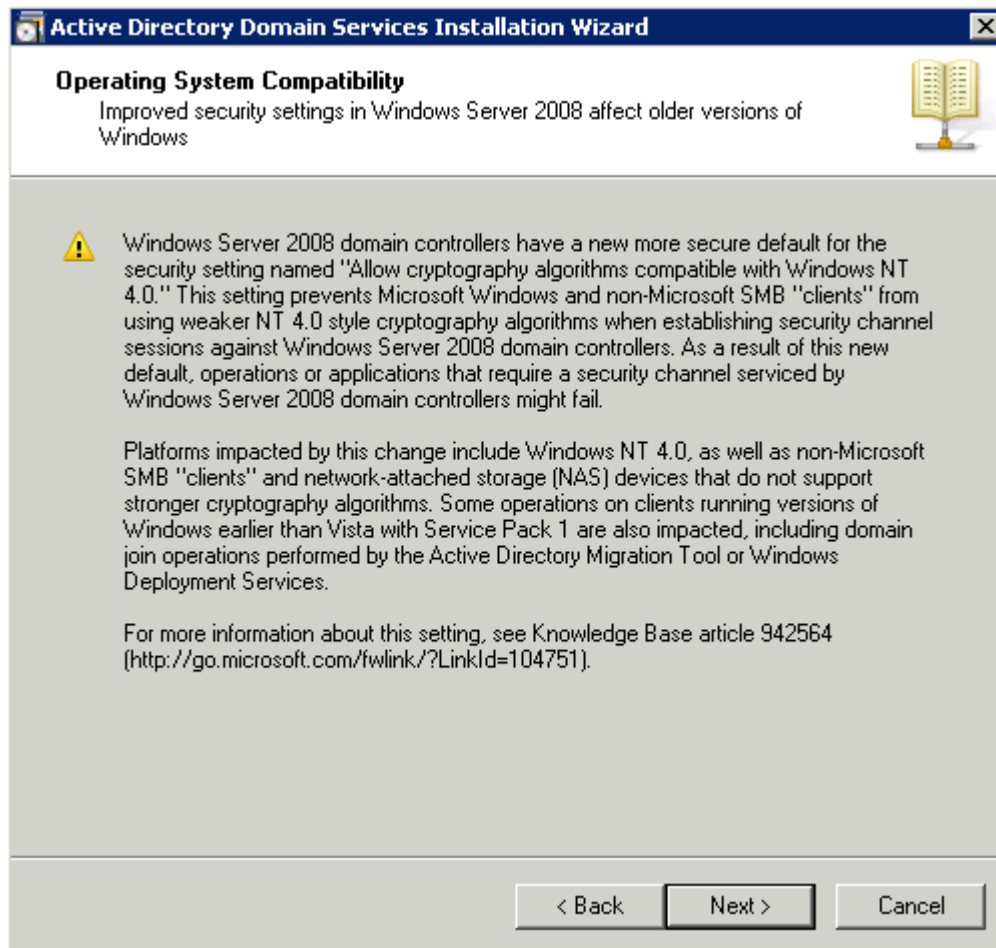
7. Active Directory مدمج لاجم تامدخ تيبتت جالع لم ليغشت وجالع لم اذه قلاغ قوف رقنا .
هنيوكتو Active Directory تيبتت عباتمل (dcpromo.exe).



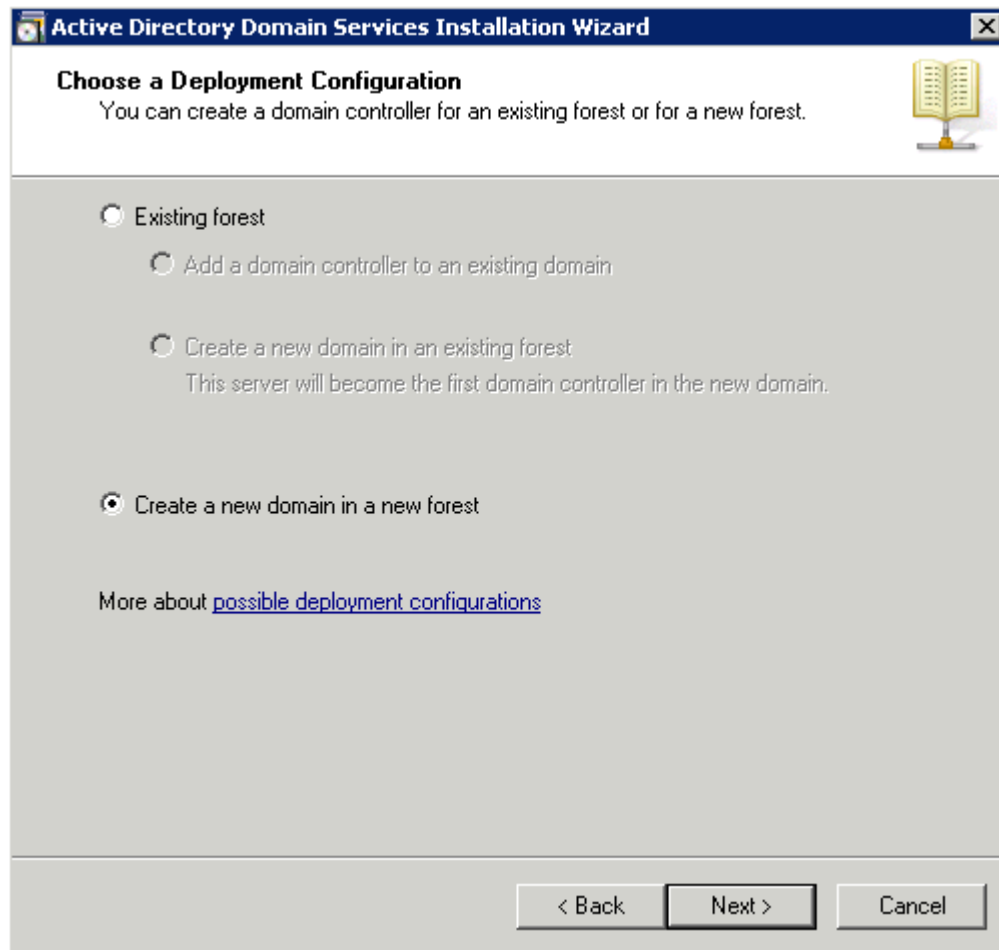
8. Active Directory لاجم تامدخ تي بڻت جلاعم لي غشت لياتل قوف رقنا.



9. يلاتال قوف رقن او، لي غشتال ماظن قفاوت لوح تامول عمل عجار.



دېدج لاجم عاشن ال يلات لا > دېدج ةباغ ي ف دېدج لاجم عاشن ا قوف رقنا 10.



ي.للاتل قوف رقنا م ث ،ديجل لاجمل ل لماكل DNS مسا لخدأ 11.

Active Directory Domain Services Installation Wizard

Name the Forest Root Domain

The first domain in the forest is the forest root domain. Its name is also the name of the forest.

Type the fully qualified domain name (FQDN) of the new forest root domain.

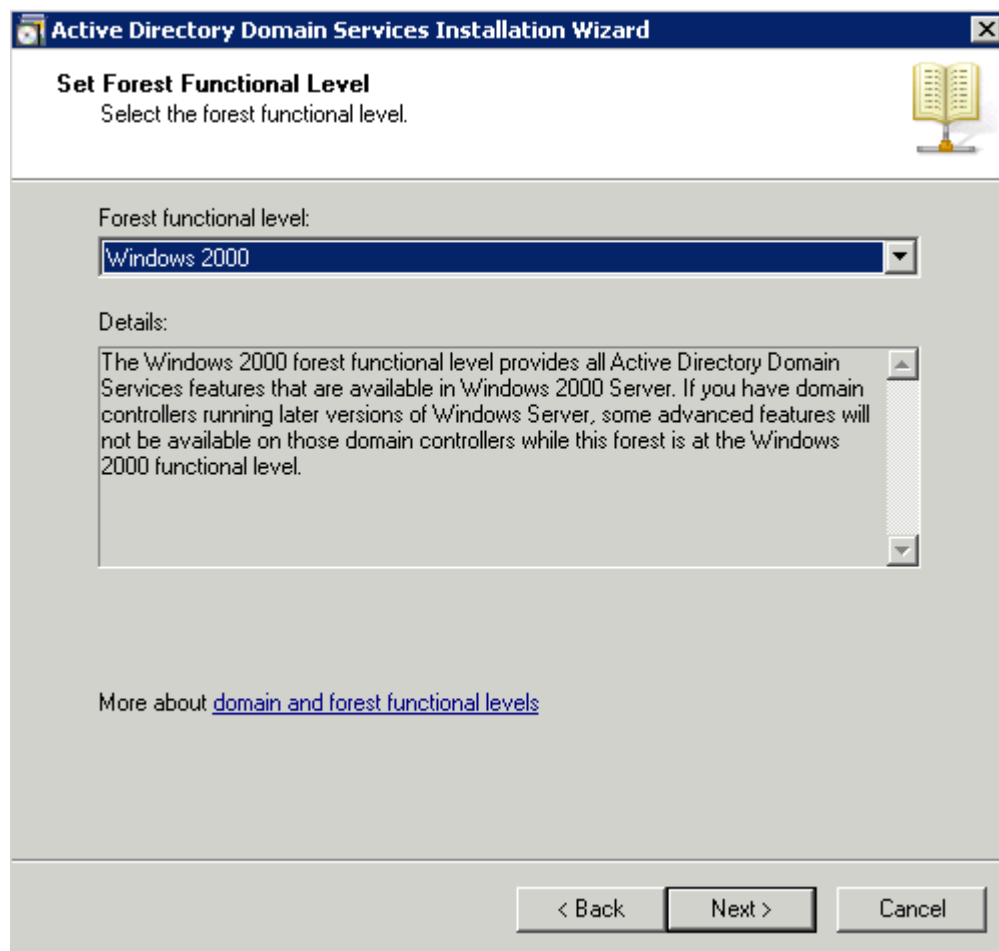
FQDN of the forest root domain:

wireless.com

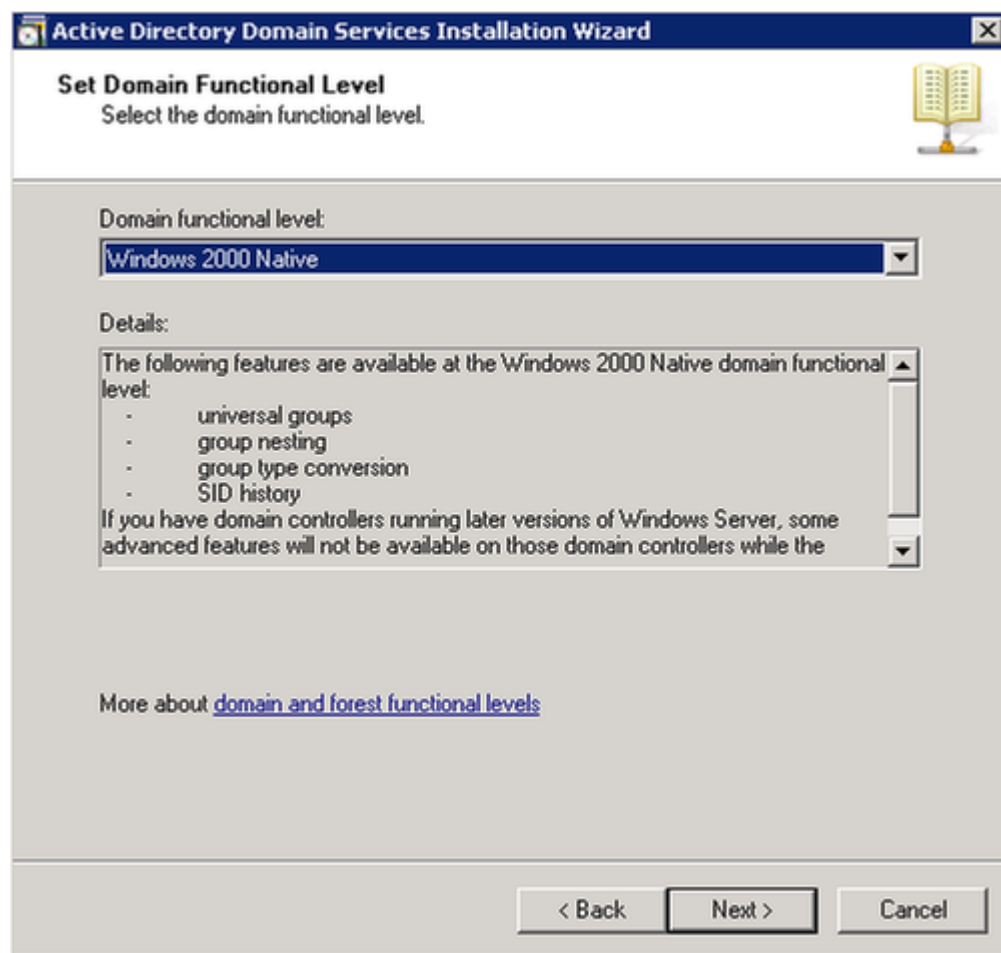
Example: corp.contoso.com

< Back Next > Cancel

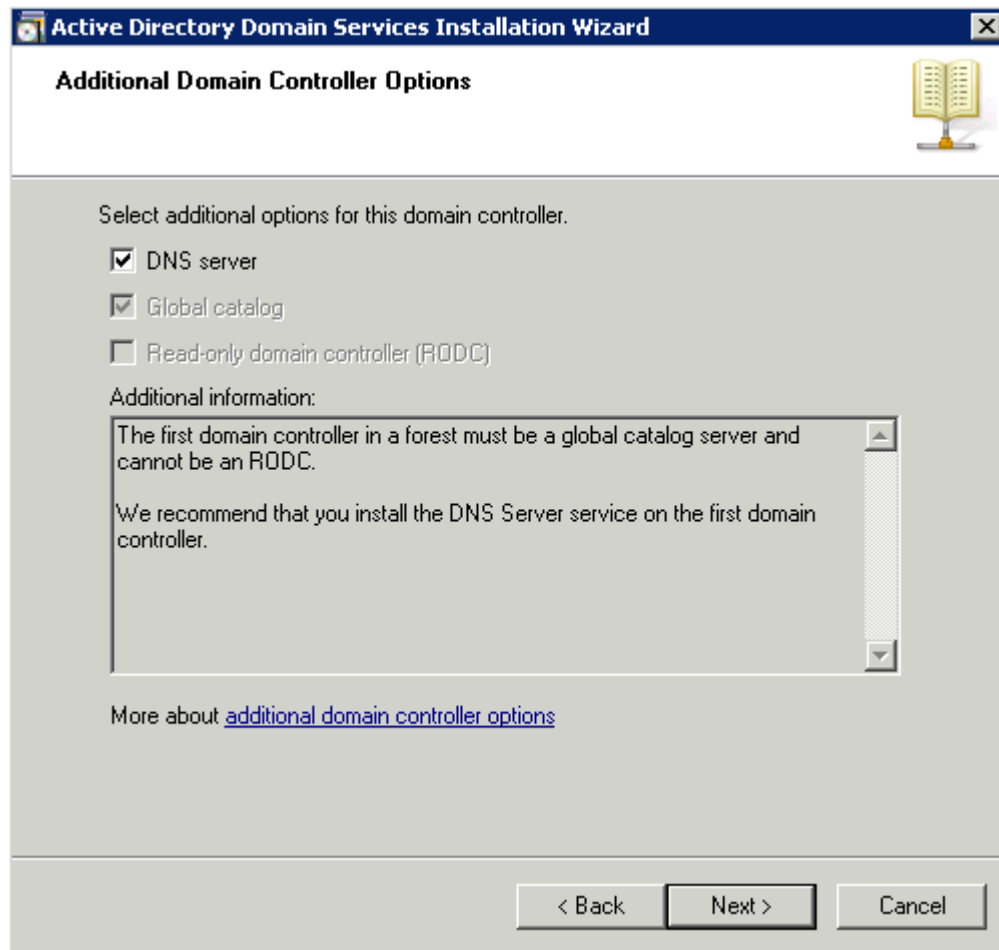
ي.ل.ا.ت.ل. ر.ق.ن.ا.و، ك.ب. ص.ا.خ.ا.ل. ل.ا.ج.م.ل.ل. ة.ب.ا.غ.ا.ل. ف.ئ.ا.ط.و.ى.و.ت.س.م. د.د.ح. 12.



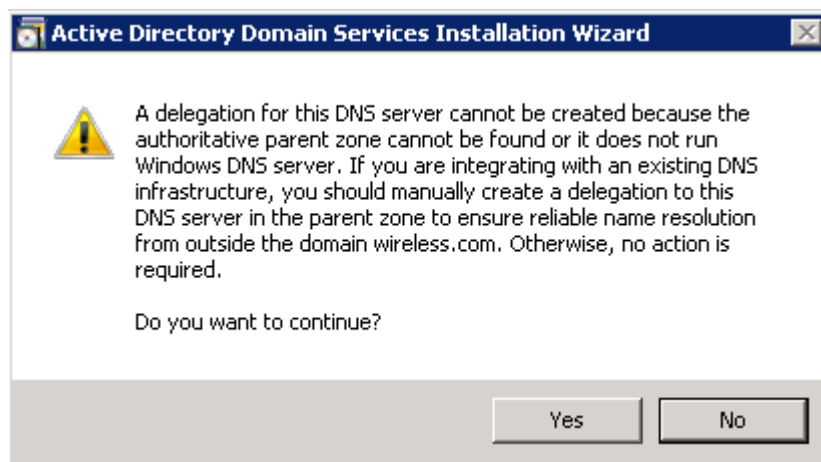
ي.لالتال قوف رقناو، لاجملل لاجملا ةفيظوي وتسم ددح. 13.



14. يلات الرقن او، DNS م داخ دي دحت نم دكأت.



15. لاجمل DNS في ةديج ةقطنم عاشنإل تي بثتال جالعمل معن قوف رقنا.



16. يلاتال قوف رقنا م، هتافلمل Active Directory اهم دختسي نأ بجي يتال تادلعمل دح.

Active Directory Domain Services Installation Wizard

Location for Database, Log Files, and SYSVOL
Specify the folders that will contain the Active Directory domain controller database, log files, and SYSVOL.

For better performance and recoverability, store the database and log files on separate volumes.

Database folder:

Log files folder:

SYSVOL folder:

More about [placing Active Directory Domain Services files](#)

ي.لاتلا ىلع رقنا م ث ،لوؤسملا رورم ةملك لخدا 17.

Active Directory Domain Services Installation Wizard

Directory Services Restore Mode Administrator Password

The Directory Services Restore Mode Administrator account is different from the domain Administrator account.

Assign a password for the Administrator account that will be used when this domain controller is started in Directory Services Restore Mode. We recommend that you choose a strong password.

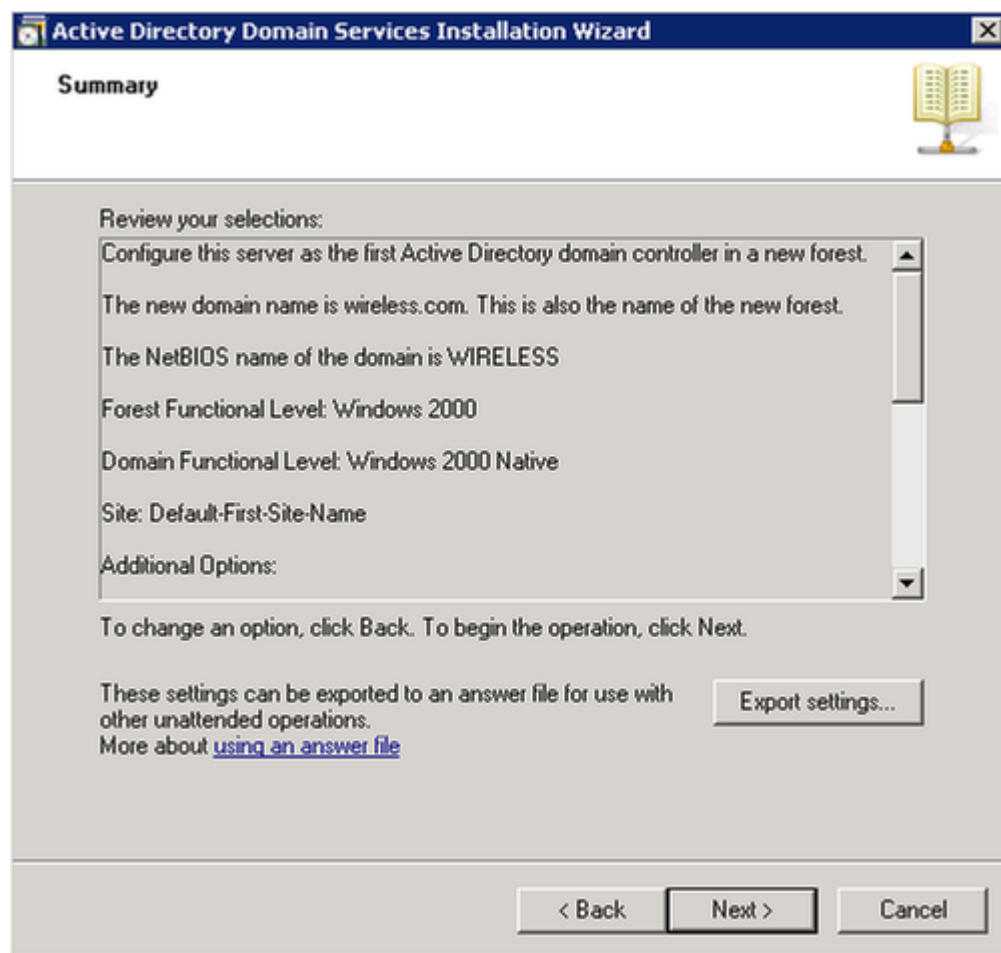
Password:

Confirm password:

More about [Directory Services Restore Mode password](#)

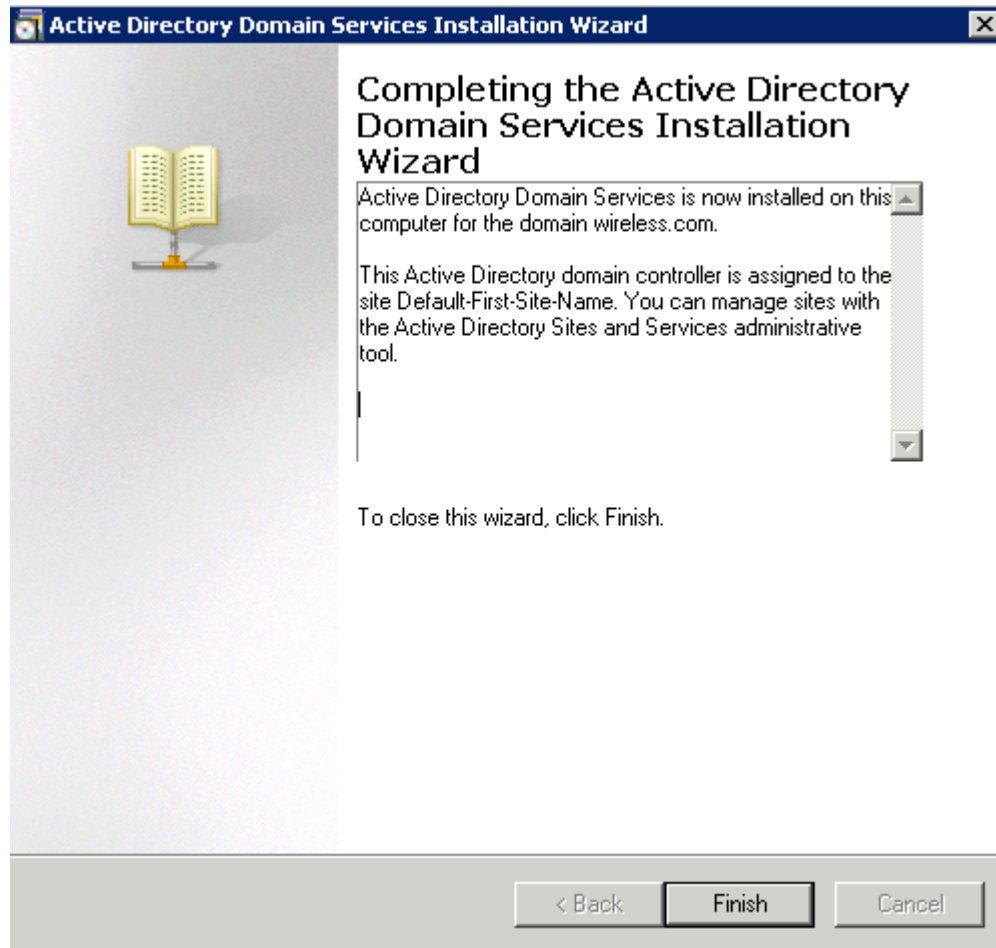
< Back Next > Cancel

ي.للاتل قوف رقن او،كتادي دجت عجار. 18.

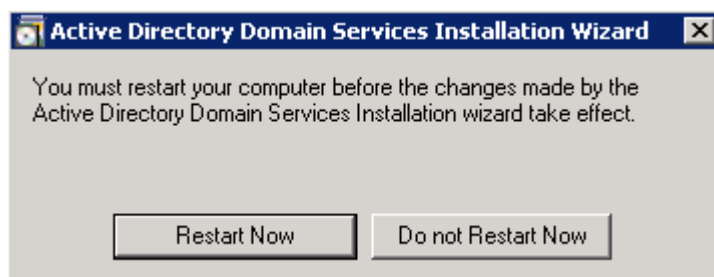


تثبيت الخادم يضمن.

جاء عمل الخادم امان قوف رقنا 19.



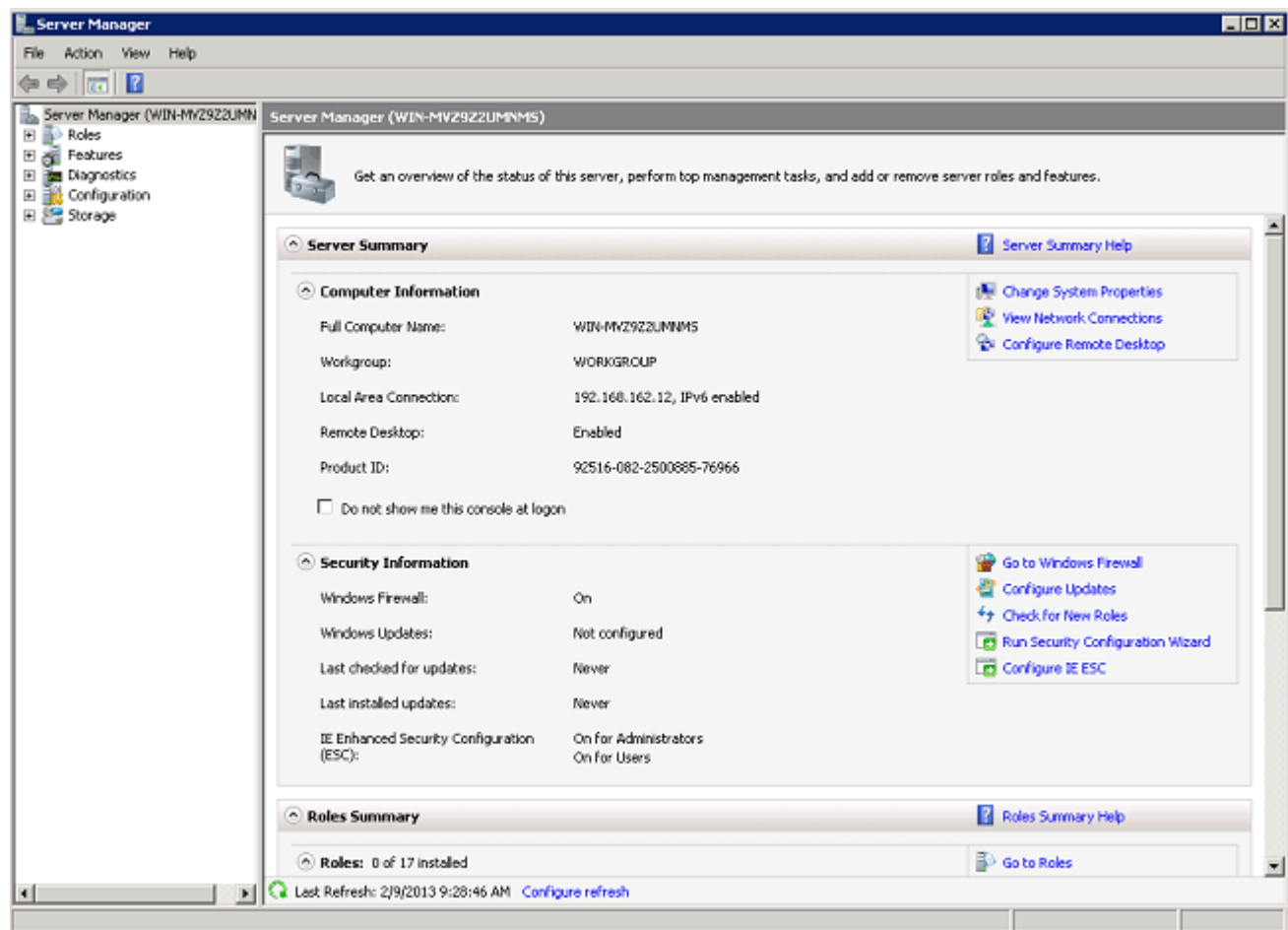
20. تاريغتل ليعفتل مداخل ليعشت ةداعاب مق.



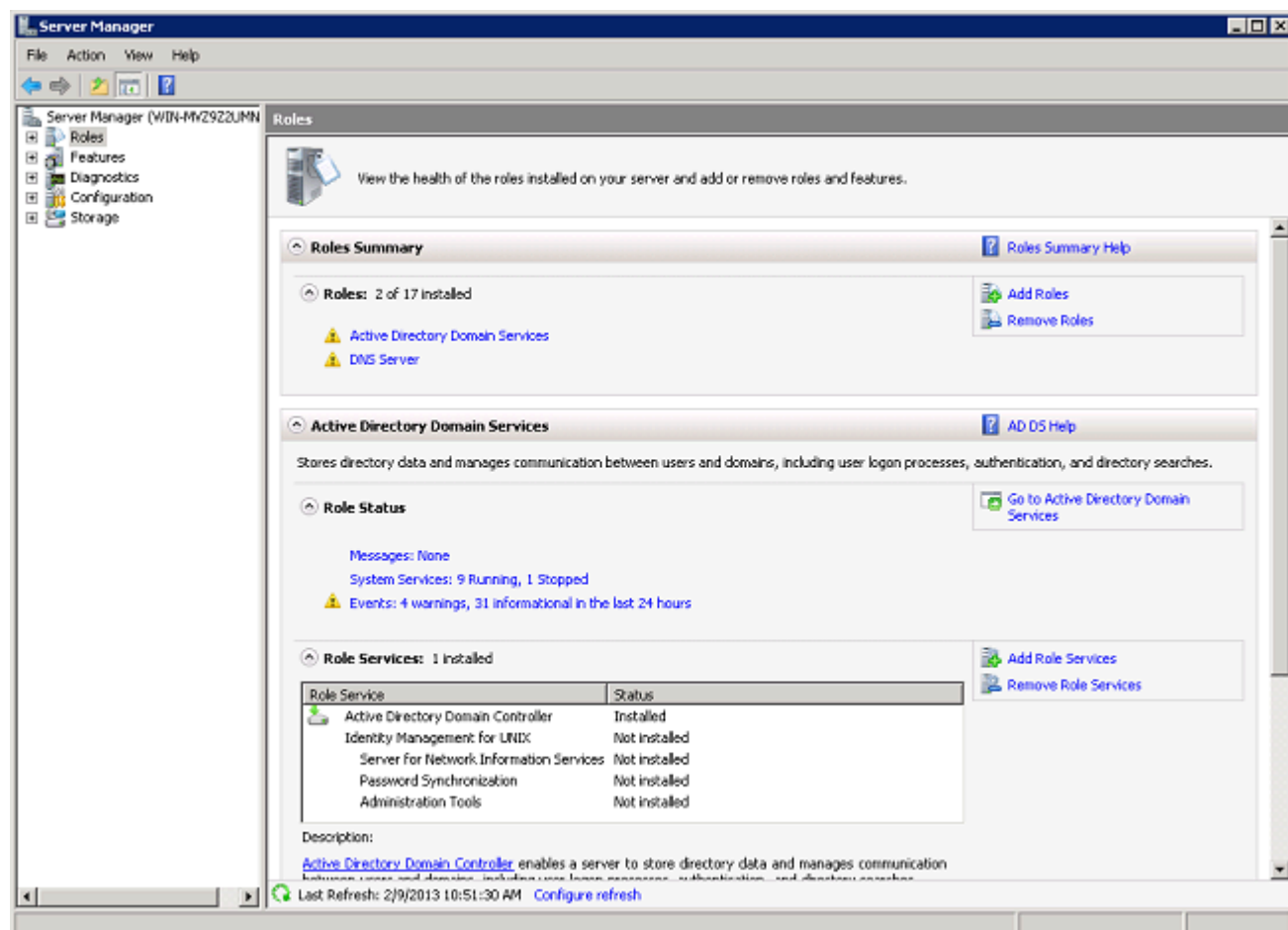
Microsoft Windows 2008 مداخل ىلع اهنىوكتو DHCP تامدخ تيبتب مق

نبيكلساللى عالمعلل IP نيوانع ريفوتل Microsoft 2008 مداخل ىلع DHCP ةمدخ مادختسا متي
ةمدخ DHCP تلكشو تبكر steps in order to اذه تمتأ

1. مداخل ةرادا عذب قوف رقنا.




2. راوداً ةفاضإ راوداً قوف رقنا .



3. (يلالال) Next قوف رقنا .

Add Roles Wizard

 **Before You Begin**

Before You Begin

Server Roles

Confirmation

Progress

Results

This wizard helps you install roles on this server. You determine which roles to install based on the tasks you want this server to perform, such as sharing documents or hosting a Web site.

Before you continue, verify that:

- The Administrator account has a strong password
- Network settings, such as static IP addresses, are configured
- The latest security updates from Windows Update are installed

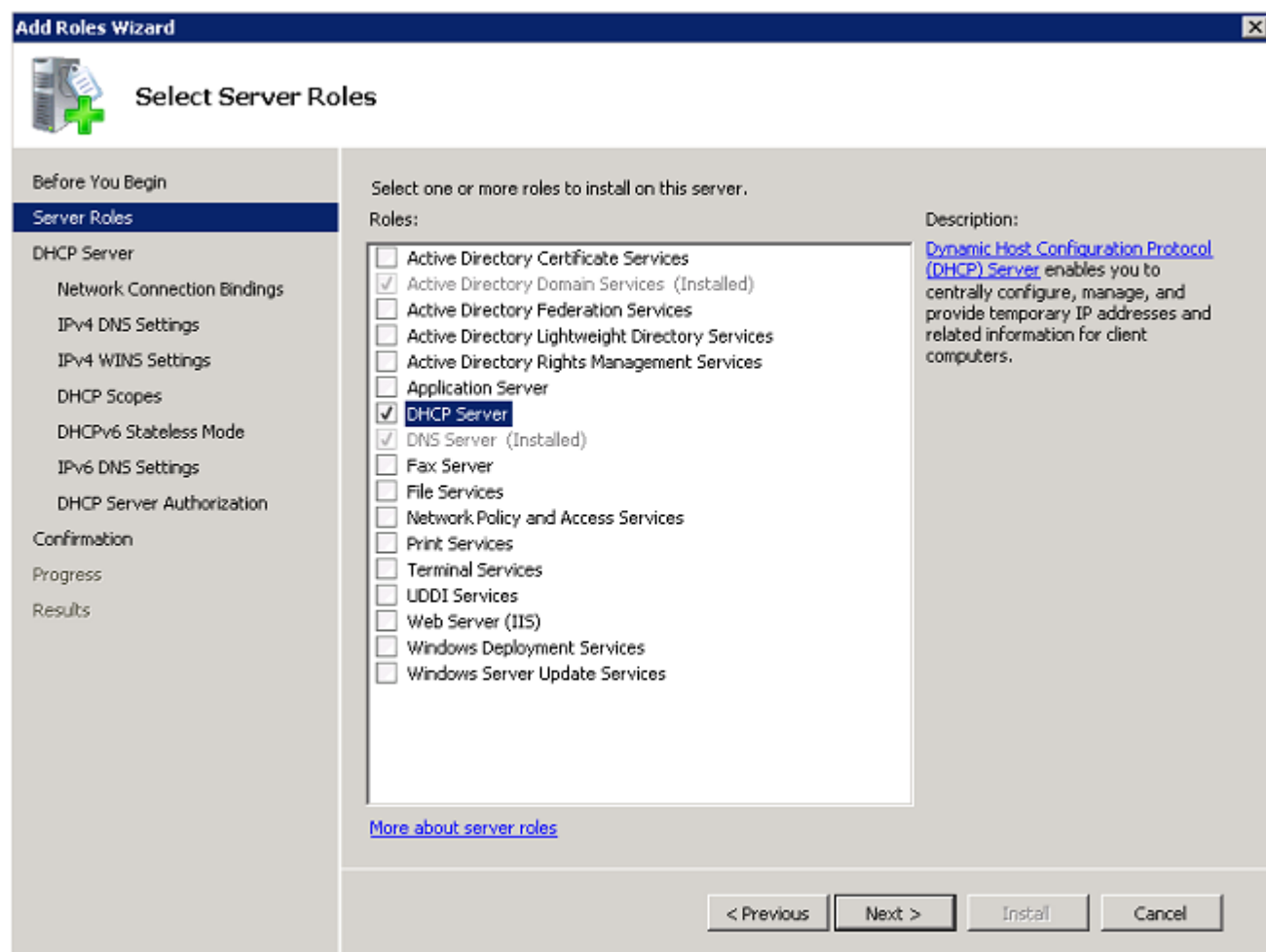
If you have to complete any of the preceding steps, cancel the wizard, complete the steps, and then run the wizard again.

To continue, click Next.

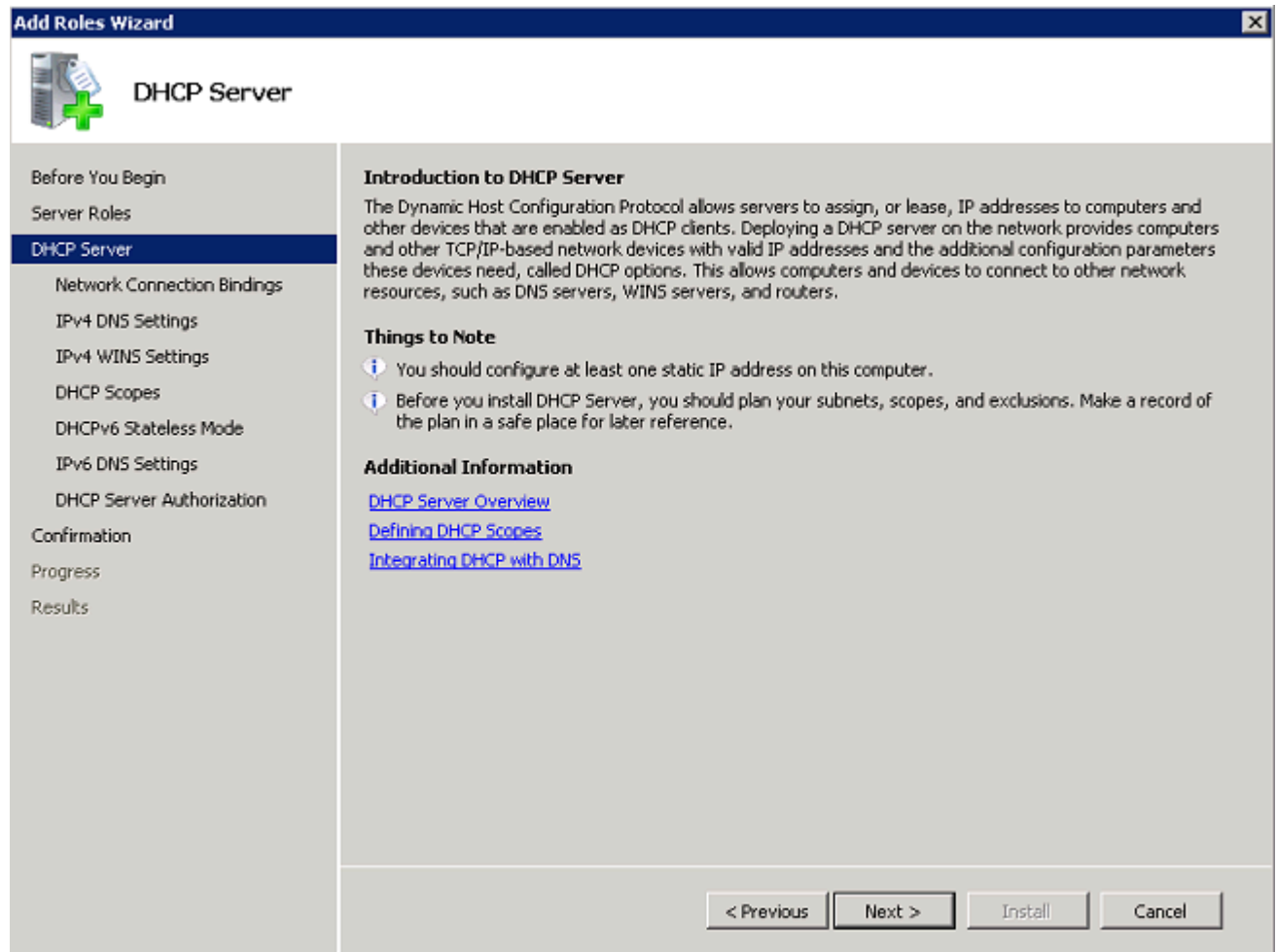
☐ Skip this page by default

< Previous **Next >** Install Cancel

4. ي.ل.ا.ل.ا قوف ر.ق.ن.ا.و، ة.م.د.خ.ل.ل DHCP م.د.ا.خ. د.د.ح.




5. يالال قوف رقناو، DHCP م داخ ةم دقم عجار.



6. يلاتلا قوف رقناو، تابلطلل DHCP م داخ اهبقاري نأ بجي يتلا ةهجاولا دح.

Add Roles Wizard

 **Select Network Connection Bindings**

Before You Begin
Server Roles
DHCP Server
Network Connection Bindings
IPv4 DNS Settings
IPv4 WINS Settings
DHCP Scopes
DHCPv6 Stateless Mode
IPv6 DNS Settings
DHCP Server Authorization
Confirmation
Progress
Results

One or more network connections having a static IP address were detected. Each network connection can be used to service DHCP clients on a separate subnet.

Select the network connections that this DHCP server will use for servicing clients.

Network Connections:

IP Address	Type
<input checked="" type="checkbox"/> 192.168.162.12	IPv4


Details

Name: Local Area Connection
Network Adapter: Intel(R) PRO/1000 MT Desktop Adapter
Physical Address: 08-00-27-3B-2C-A4

< Previous Next > Install Cancel

دعب ةق طوطو ،نوبز ىلإ تدوز يغبني لدان DHCP لادادع ةيلمع DNS ريصقتلا تلکش 7. كلذ

Add Roles Wizard



Specify IPv4 DNS Server Settings

Before You Begin
Server Roles
DHCP Server
Network Connection Bindings
IPv4 DNS Settings
IPv4 WINS Settings
DHCP Scopes
DHCPv6 Stateless Mode
IPv6 DNS Settings
DHCP Server Authorization
Confirmation
Progress
Results

When clients obtain an IP address from the DHCP server, they can be given DHCP options such as the IP addresses of DNS servers and the parent domain name. The settings you provide here will be applied to clients using IPv4.

Specify the name of the parent domain that clients will use for name resolution. This domain will be used for all scopes you create on this DHCP server.

Parent Domain:

Specify the IP addresses of the DNS servers that clients will use for name resolution. These DNS servers will be used for all scopes you create on this DHCP server.


Preferred DNS Server IPv4 Address:

Alternate DNS Server IPv4 Address:

[More about DNS server settings](#)

8. WINS مەعدەتە كەڭەشچىسىنى تاللاڭا WINS نىڭ ئورنىنى كۆرسىتىڭ.

Add Roles Wizard

 **Specify IPv4 WINS Server Settings**

Before You Begin
 Server Roles
 DHCP Server
 Network Connection Bindings
 IPv4 DNS Settings
IPv4 WINS Settings
 DHCP Scopes
 DHCPv6 Stateless Mode
 IPv6 DNS Settings
 DHCP Server Authorization
 Confirmation
 Progress
 Results

When clients obtain an IP address from the DHCP server, they can be given DHCP options such as the IP addresses of WINS servers. The settings you provide here will be applied to clients using IPv4.

☒ WINS is not required for applications on this network

☐ WINS is required for applications on this network

Specify the IP addresses of the WINS servers that clients will use for name resolution. These WINS servers will be used for all scopes you create on this DHCP server.

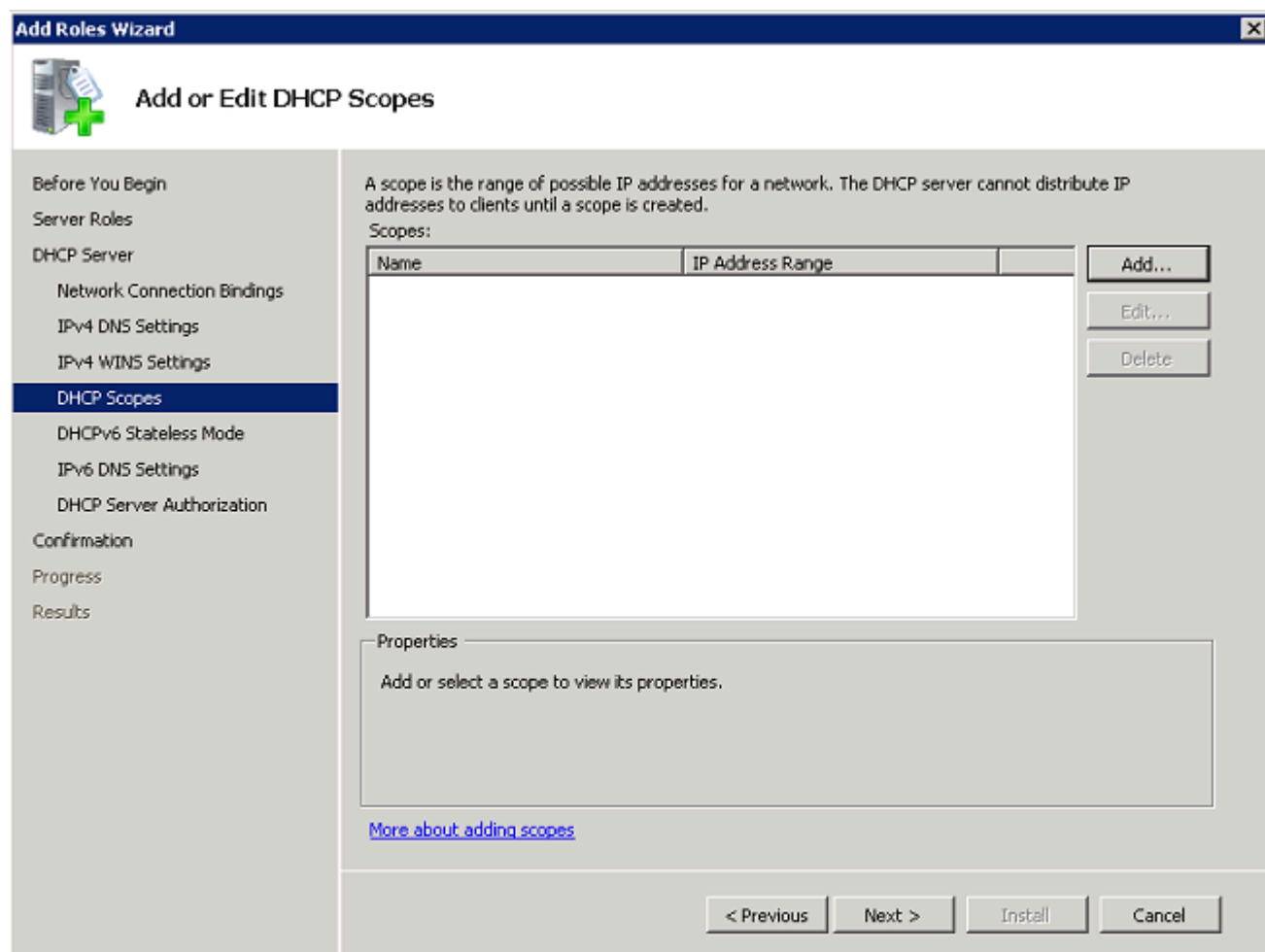
Preferred WINS Server IP Address:

Alternate WINS Server IP Address:

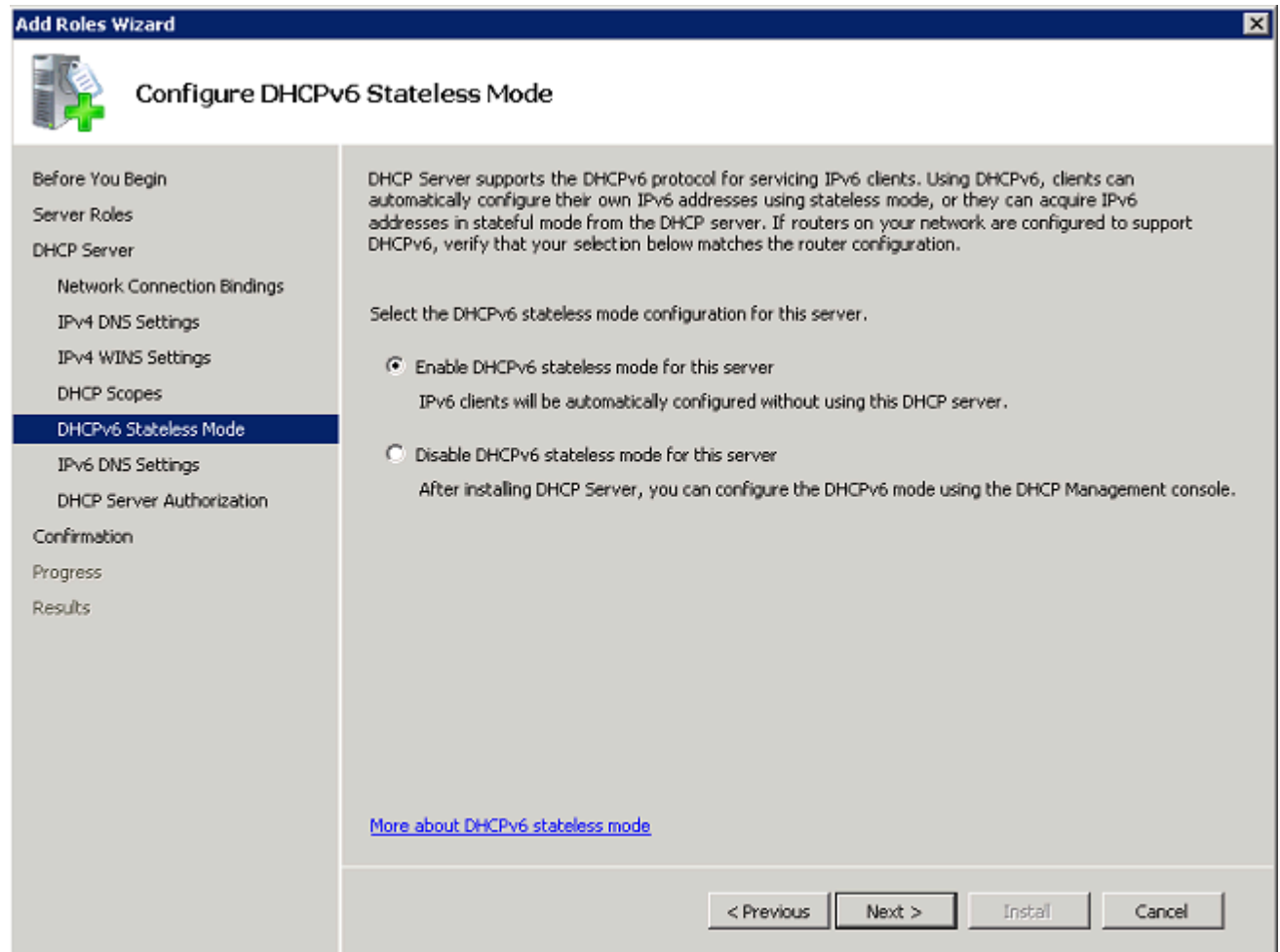
[More about WINS server settings](#)

< Previous Next > Install Cancel

عاشن إل ڤلالت لا قوف رقنا وأ DHCP قاطن عاشن إل جلاع مالم مادخت سال ةفاض لا قوف رقنا 9.
 ةعبات ملل ڤلالت لا قوف رقنا. اقحال DHCP قاطن




ي.لالتلا قوف رقناو،هليطعت وأ مداخل الى لع DHCPv6 معد نيكمتب مق 10.



11. قوف رقنا .ةقباسللا ةوطخلال في DHCPv6 نيكمت مت اذا IPv6 ل DNS تادادعإ نيوكتب مق .
ةعباتملل ليلاتلا

Add Roles Wizard

 **Specify IPv6 DNS Server Settings**

Before You Begin

Server Roles

DHCP Server

Network Connection Bindings

IPv4 DNS Settings

IPv4 WINS Settings

DHCP Scopes

DHCPv6 Stateless Mode

IPv6 DNS Settings

DHCP Server Authorization

Confirmation

Progress

Results

When clients obtain an IP address from the DHCP server, they can be given DHCP options such as the IP addresses of DNS servers and the parent domain name. The settings you provide here will be applied to clients using IPv6.

Specify the name of the parent domain that clients will use for name resolution. This domain will be used for all scopes you create on this stateless IPv6 DHCP server.

Parent Domain:

Specify the IP addresses of the DNS servers that clients will use for name resolution. These DNS servers will be used for all scopes you create on this DHCP server.

Preferred DNS Server IPv6 Address:


Alternate DNS Server IPv6 Address:

[More about DNS server settings](#)

< Previous Next > Install Cancel

12. Active Directory، DHCP مداخل لي وختل لاجملا لوؤسم دامتعا تانايب ريفوتب مق 12. يلاتل قوف رقناو.

Add Roles Wizard

 **Authorize DHCP Server**

Before You Begin

Server Roles

DHCP Server

Network Connection Bindings

IPv4 DNS Settings

IPv4 WINS Settings

DHCP Scopes

DHCPv6 Stateless Mode

IPv6 DNS Settings

DHCP Server Authorization

Confirmation

Progress

Results

Active Directory Domain Services (AD DS) stores a list of DHCP servers that are authorized to service clients on the network. Authorizing DHCP servers helps avoid accidental damage caused by running DHCP servers with incorrect configurations or DHCP servers with correct configurations on the wrong network.

Specify credentials to use for authorizing this DHCP server in AD DS.

☒ Use current credentials

The credentials of the current user will be used to authorize this DHCP server in AD DS.


User Name:

☐ Use alternate credentials

Specify domain administrator credentials for authorizing this DHCP server in AD DS.

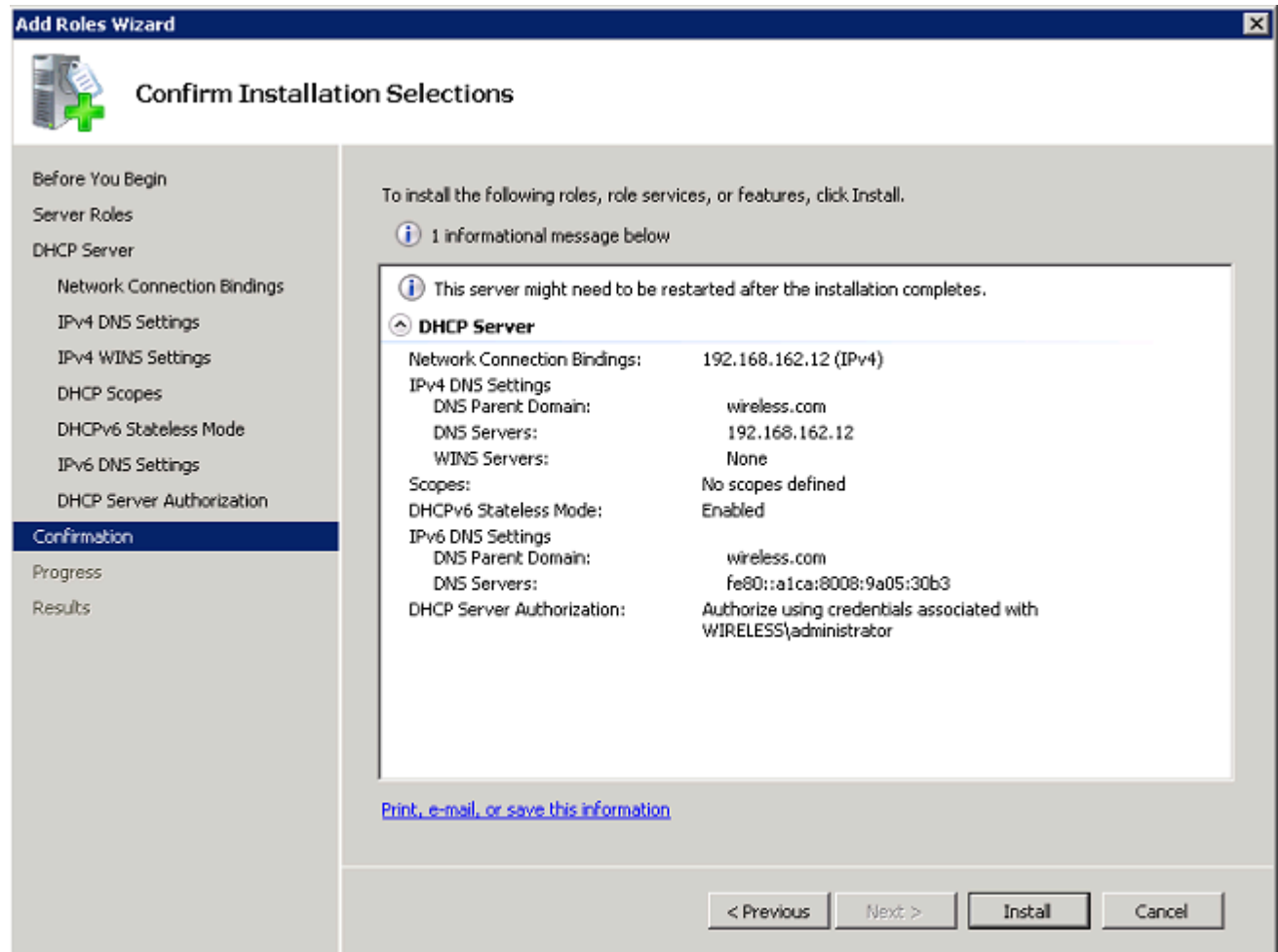
User Name:

☐ Skip authorization of this DHCP server in AD DS

 This DHCP server must be authorized in AD DS before it can service clients.

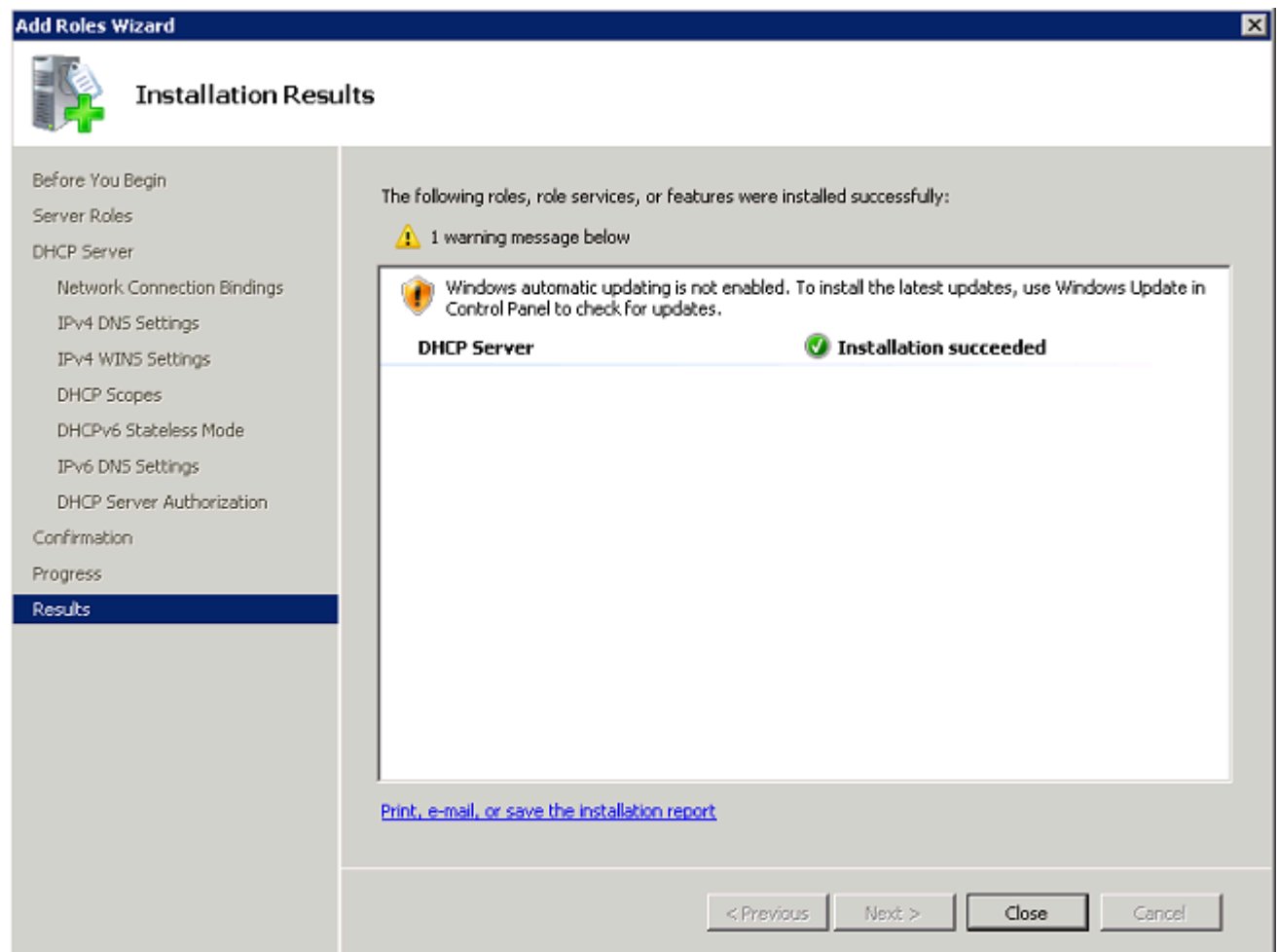
[More about authorizing DHCP servers in AD DS](#)

تثبيت الالامكال تيبتت قوف روناو، ديكتال ةحفص ي نيكتال عجار. 13.



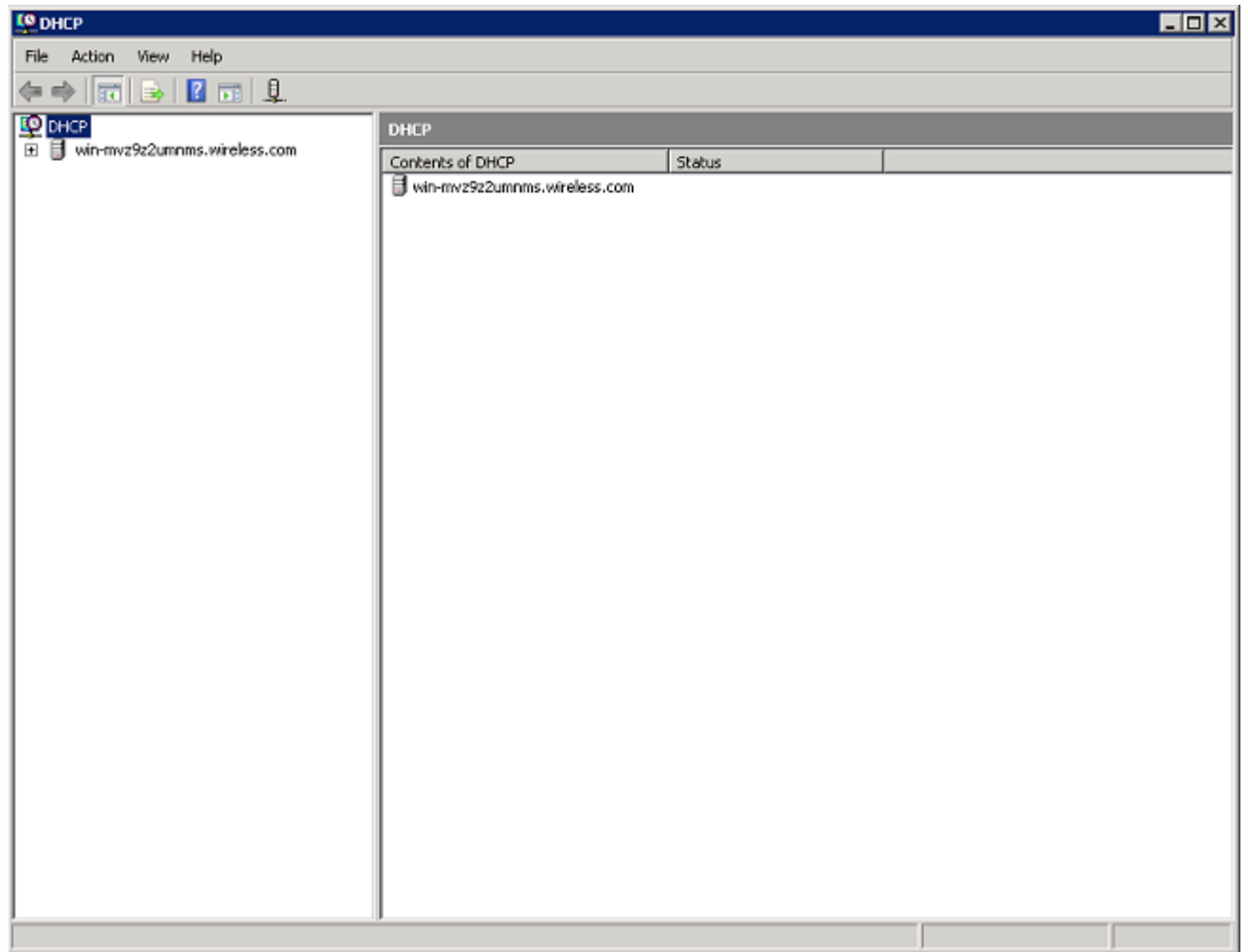
تثبيت الة لملع يضم ت.

جلاعمل الالغال "الغال قوف رقنا 14.

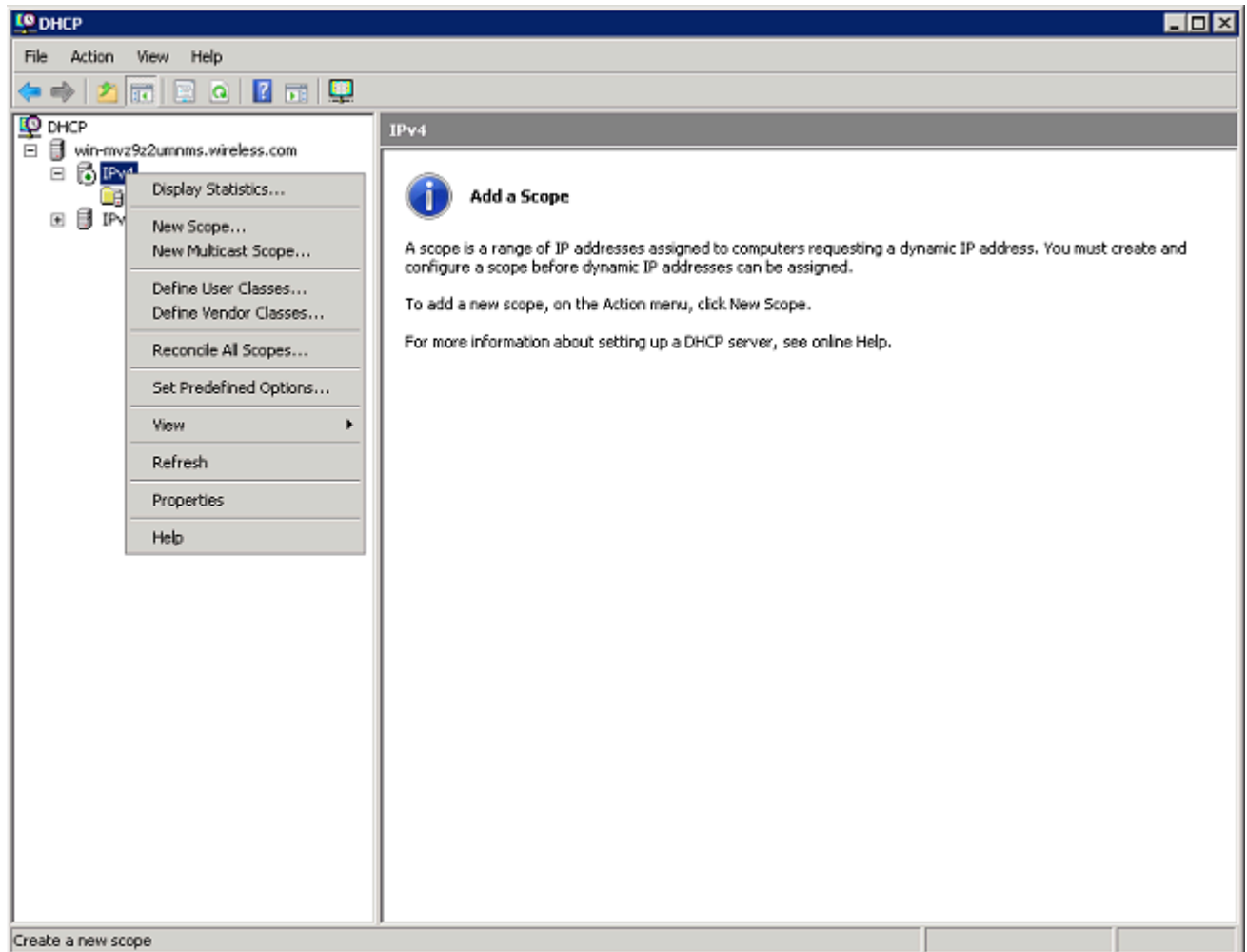


نآال DHCP مءاخ ءي ءءء مء

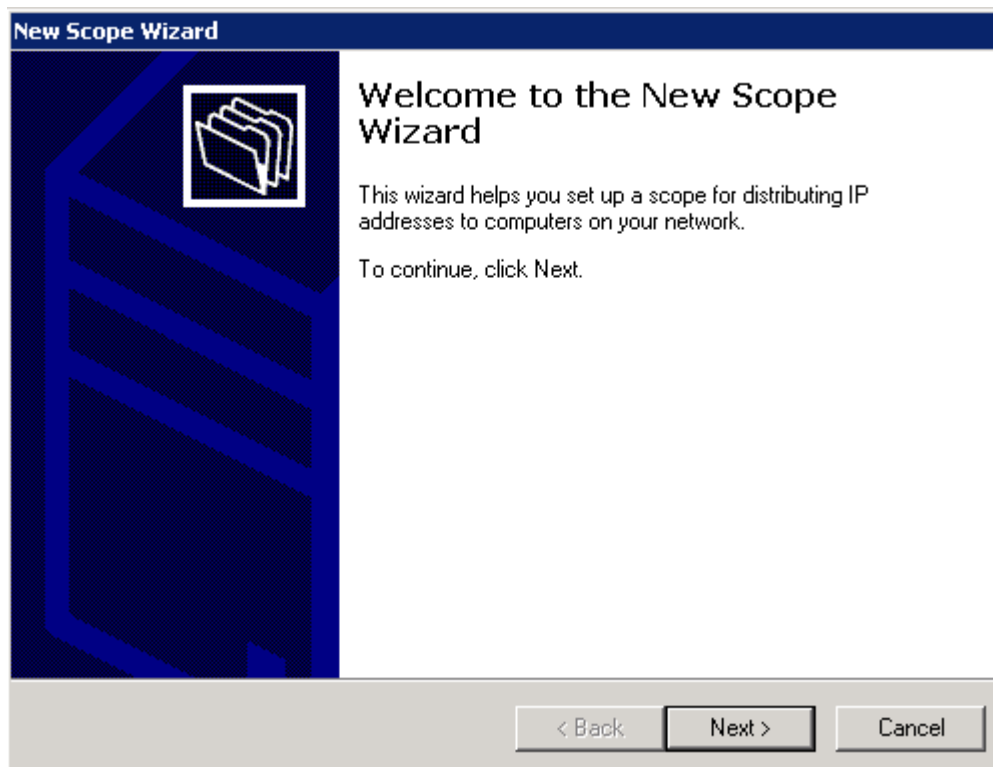
ءمءخ DHCP لكشي نأ DHCP > يرءاء ءاءء > ءءاء ءق ءق ء.



16. لاجم ترتخاو، dé clic IPv4، (لاثم اذه لة قباسلا ةروصل ا يف رهظي) لدان DHCP لا تددم. لاجم DHCP قلخي نأ دي دج.



17. ديدجال قاطننل جلاع م ربع ديدجال قاطننل نيوكتل يلاتل قوف رونا .



قووف رقناو، (لاثملا اذه يف يكل سلالا لالمعلا) ديدجلا قاطنلل مسا ريفوتب مق 18. يلاتلا.

New Scope Wizard

Scope Name

You have to provide an identifying scope name. You also have the option of providing a description.

Type a name and description for this scope. This information helps you quickly identify how the scope is to be used on your network.

Name:

Description:

< Back

Next >

Cancel

قوف رونا DHCP. راجئ تسال اهم ادخ تسا نكمي يتال ءحات الم IP ني وان ع قاطن لخدأ 19. ءة بات مل لي لالتل

New Scope Wizard

IP Address Range

You define the scope address range by identifying a set of consecutive IP addresses.

Enter the range of addresses that the scope distributes.

Start IP address: 192 . 168 . 162 . 100

End IP address: 192 . 168 . 162 . 200

A subnet mask defines how many bits of an IP address to use for the network/subnet IDs and how many bits to use for the host ID. You can specify the subnet mask by length or as an IP address.

Length: 24

Subnet mask: 255 . 255 . 255 . 0

< Back

Next >

Cancel

20. عباتم للى لالتل قوف رقنا . ةدعت سملانى وان علاب ةى راى تخا ةمئاق عاشن اب مق .

New Scope Wizard

Add Exclusions

Exclusions are addresses or a range of addresses that are not distributed by the server.

Type the IP address range that you want to exclude. If you want to exclude a single address, type an address in Start IP address only.

Start IP address:

End IP address:

.

.

.

.

.

.

Add

Excluded address range:

Remove

< Back

Next >

Cancel

٢١. ﻳﻠﺎﺗﻠﺍ ﻗﻮﻑ ﺭﻗﻨﺎﻭ، ﺭﻳﺠﺄﺗﻠﺍ ﺗﻘﻮﻧﻲ ﻭﻛﺘﺐ ﻣﻖ.

New Scope Wizard

Lease Duration

The lease duration specifies how long a client can use an IP address from this scope.

Lease durations should typically be equal to the average time the computer is connected to the same physical network. For mobile networks that consist mainly of portable computers or dial-up clients, shorter lease durations can be useful. Likewise, for a stable network that consists mainly of desktop computers at fixed locations, longer lease durations are more appropriate.

Set the duration for scope leases when distributed by this server.

Limited to:

Days: Hours: Minutes:

< Back Next > Cancel

22. يلاتل قوف رقناو، نآال تارايلخال هذو نيوكت ديرأ، م عن قوف رقنا.

New Scope Wizard

Configure DHCP Options

You have to configure the most common DHCP options before clients can use the scope.

When clients obtain an address, they are given DHCP options such as the IP addresses of routers (default gateways), DNS servers, and WINS settings for that scope.

The settings you select here are for this scope and override settings configured in the Server Options folder for this server.

Do you want to configure the DHCP options for this scope now?

☒ Yes, I want to configure these options now

☐ No, I will configure these options later

< Back Next > Cancel

23. كلذ دعب > فيضي ةق طقط، ل اجم اذه ل لخ دم ري صقتل نم ناو نعل تلخد.

New Scope Wizard

Router (Default Gateway)
You can specify the routers, or default gateways, to be distributed by this scope.

To add an IP address for a router used by clients, enter the address below.

IP address:

. . .	Add
192.168.162.2	Remove
	Up
	Down

< Back Next > Cancel

24. يلاتلا قوف رقنا. ءالعمل امهم دختسي ل DNS مداخلو DNS ل اجم مسا نيوكتب مق .
ةعباتملل

New Scope Wizard

Domain Name and DNS Servers
The Domain Name System (DNS) maps and translates domain names used by clients on your network.

You can specify the parent domain you want the client computers on your network to use for DNS name resolution.

Parent domain: wireless.com

To configure scope clients to use DNS servers on your network, enter the IP addresses for those servers.

Server name:	IP address:	
	. . .	Add
	192.168.162.12	Remove
		Up
		Down

< Back Next > Cancel

25. يلاتلا قوف رقنا. WINS معدت ةكبشلا تناك اذا قاطنلا اذهل WINS تامولعم لخدأ .
ةعباتملل

New Scope Wizard

WINS Servers

Computers running Windows can use WINS servers to convert NetBIOS computer names to IP addresses.

Entering server IP addresses here enables Windows clients to query WINS before they use broadcasts to register and resolve NetBIOS names.

Server name:

IP address:

To change this behavior for Windows DHCP clients modify option 046, WINS/NBT Node Type, in Scope Options.

26. یلالتال آلا قاطنلا اذه طیشنت ڊیرا، معن قوف رقنا، قاطنلا اذه طیشنتل.

New Scope Wizard

Activate Scope

Clients can obtain address leases only if a scope is activated.

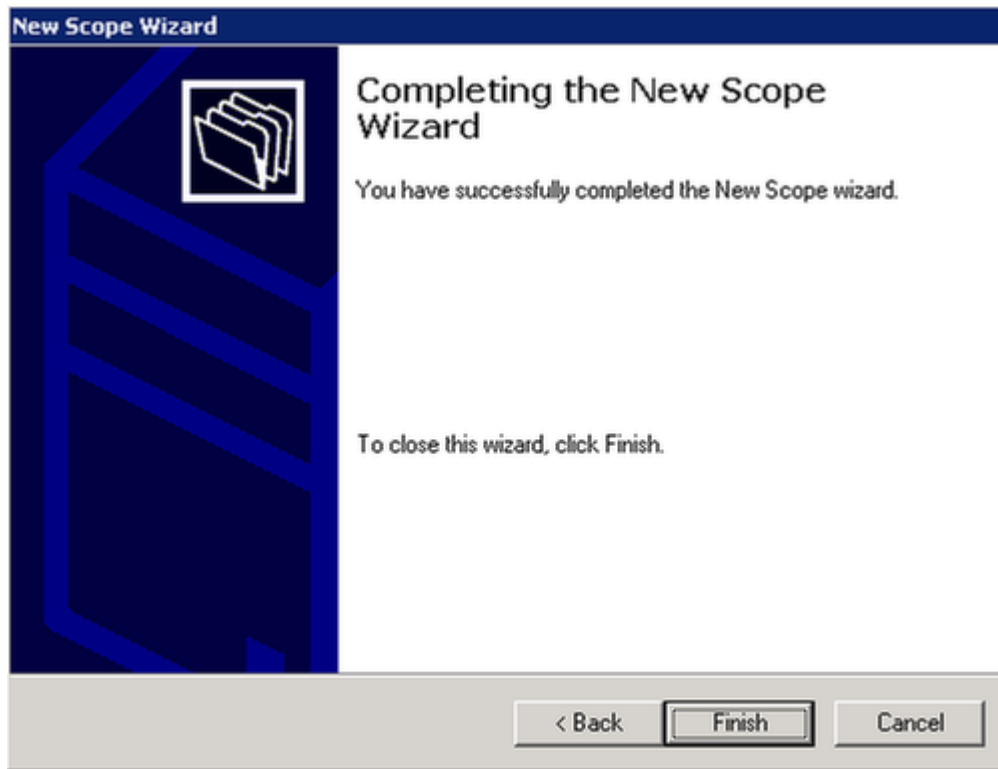
Do you want to activate this scope now?

☒ Yes, I want to activate this scope now

☐ No, I will activate this scope later

< Back Next > Cancel

هَقَالَ غَاوُجُ لِعَمَلِ لَامِكْ إِي "ءَاهِنَا قَوْف رِقْنَا 27.

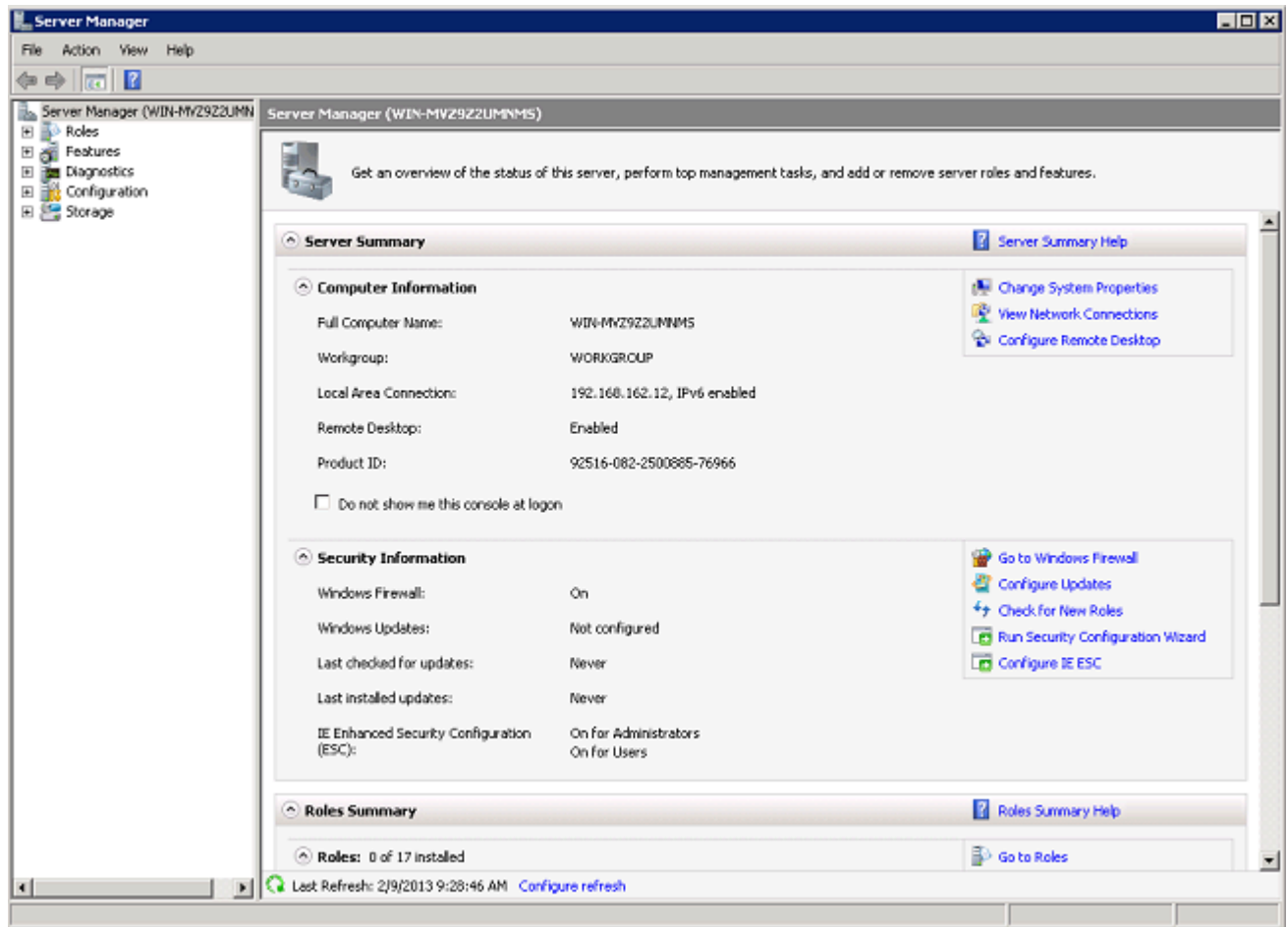


CA مداخل هنيوكتو Microsoft Windows 2008 مداخل تيبتت

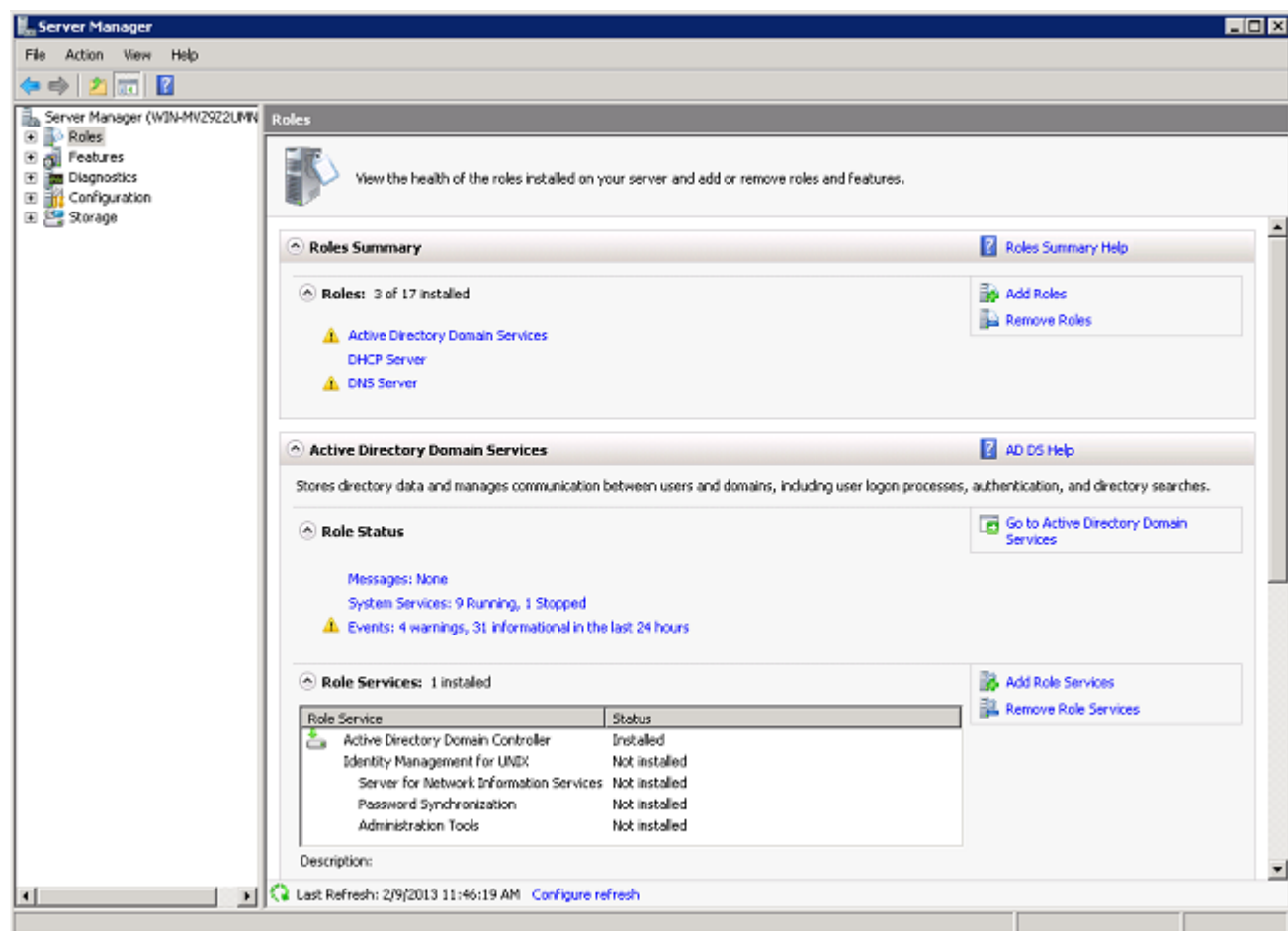
ىلع ةدوجومال ةداهشلا ىلع ءانب RADIUS مداخل نم ققحتلاب EAP-MS-CHAP v2 عم PEAP موقى لبق نم هب قوئوم ماع قءصم عجرم نم مداخل ةداهش رادصل بجي ،كلذ ىلى ةفاضلاب .مدخال قىءصتال عجرم دلجم في لعفلاب ةدوجوم ماعال قءصم ال عجرم ال ةداهش (أ) ليمعال رتويبمك (لليمعال رتويبمكال تاداهش نزم في ةدوجومال هب قوئومال رءال).

ةداهشال رءصي يذل CA مداخل Microsoft Windows 2008 مداخل هنيوكتل ةيلائل تاوطلال لمكأ ىلى NPS:

1. ريءم لءان>ءيادب جمربى ةقطق .




2. راوداً ةفاضإ راوداً قوف رقنا .



3. (يلالال) Next قوف رقنا .

Add Roles Wizard

 **Before You Begin**

Before You Begin

Server Roles

Confirmation

Progress

Results

This wizard helps you install roles on this server. You determine which roles to install based on the tasks you want this server to perform, such as sharing documents or hosting a Web site.

Before you continue, verify that:

- The Administrator account has a strong password
- Network settings, such as static IP addresses, are configured
- The latest security updates from Windows Update are installed

If you have to complete any of the preceding steps, cancel the wizard, complete the steps, and then run the wizard again.


To continue, click Next.

☐ Skip this page by default

< Previous **Next >** Install Cancel

4. یلالتل قوف رقناو، ەمدخلل Active Directory تاداهش تامدخ ددح.

Add Roles Wizard

 **Select Server Roles**

Before You Begin

Server Roles

AD CS

Role Services

Setup Type

CA Type

Private Key

Cryptography

CA Name

Validity Period

Certificate Database

Confirmation

Progress

Results

Select one or more roles to install on this server.

Roles:

- ☒ **Active Directory Certificate Services**
- ☒ Active Directory Domain Services (Installed)
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Application Server
- ☒ DHCP Server (Installed)
- ☒ DNS Server (Installed)
- ☐ Fax Server
- ☐ File Services
- ☐ Network Policy and Access Services
- ☐ Print Services
- ☐ Terminal Services
- ☐ UDDI Services
- ☐ Web Server (IIS)
- ☐ Windows Deployment Services
- ☐ Windows Server Update Services

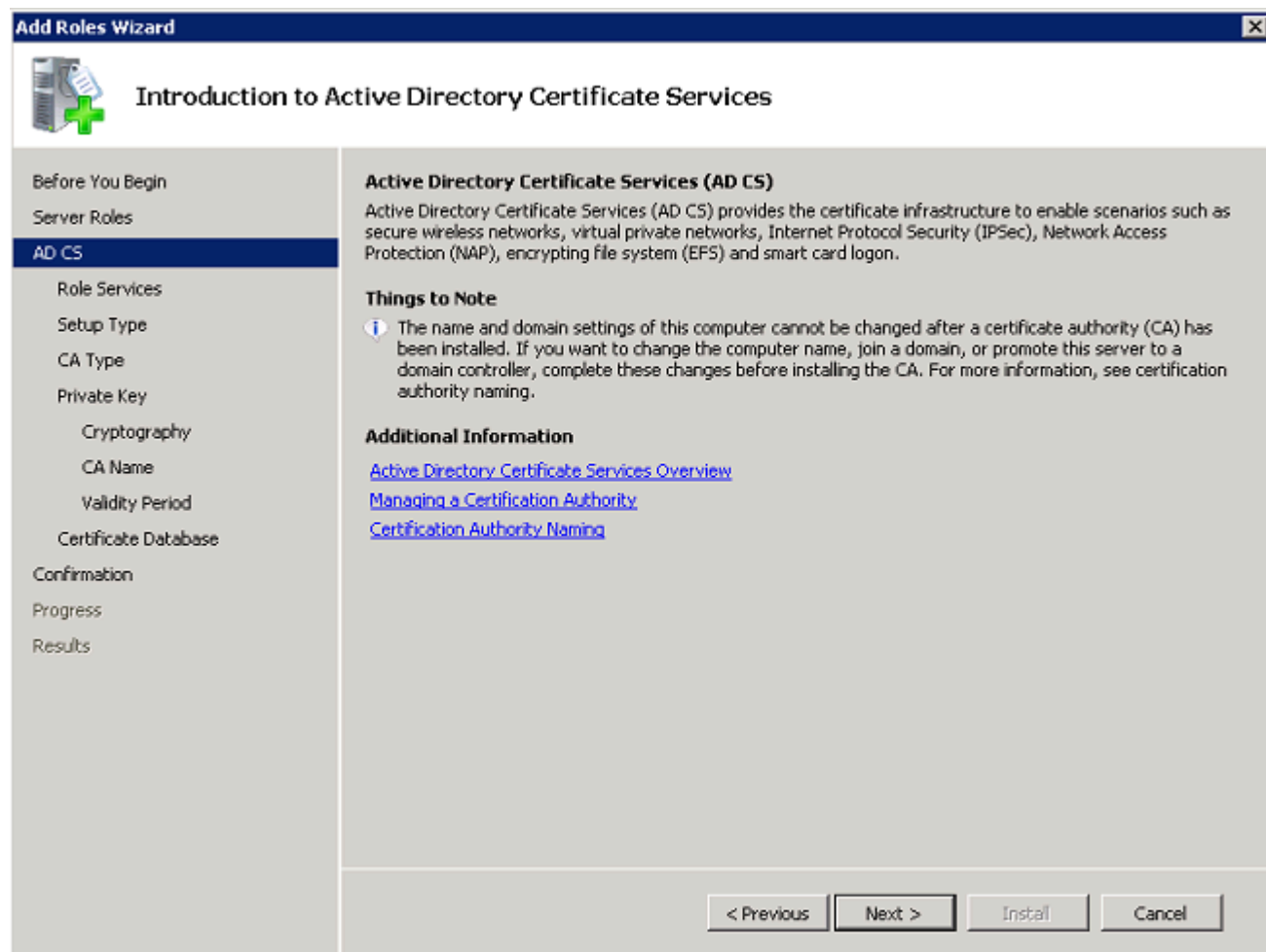
Description:

[Active Directory Certificate Services \(AD CS\)](#) is used to create certification authorities and related role services that allow you to issue and manage certificates used in a variety of applications.

[More about server roles](#)


< Previous Next > Install Cancel

5. ڀڙاٽال قوف رڦناو، Active Directory تاداھش تامدخ ٺم دقو م عچار.



6. يلات الرقناو، ق دصملا عجرملا دح.

Add Roles Wizard

 **Select Role Services**

Before You Begin
Server Roles
AD CS
Role Services
Setup Type
CA Type
Private Key
 Cryptography
 CA Name
 Validity Period
Certificate Database
Confirmation
Progress
Results

Select the role services to install for Active Directory Certificate Services:

Role services:

<input checked="" type="checkbox"/>	Certification Authority
<input type="checkbox"/>	Certification Authority Web Enrollment
<input type="checkbox"/>	Online Responder
<input type="checkbox"/>	Network Device Enrollment Service


Description:
[Certification Authority \(CA\)](#) is used to issue and manage certificates. Multiple CAs can be linked to form a public key infrastructure.

[More about role services](#)

< Previous Next > Install Cancel

7. يلاتال قوف رقناو، ةسسؤم ددح.

Add Roles Wizard

 **Specify Setup Type**

Before You Begin
Server Roles
AD CS
Role Services
Setup Type
CA Type
Private Key
Cryptography
CA Name
Validity Period
Certificate Database
Confirmation
Progress
Results

Certification Authorities can use data in Active Directory to simplify the issuance and management of certificates. Specify whether you want to set up an Enterprise or Standalone CA.

☒ Enterprise
Select this option if this CA is a member of a domain and can use Directory Service to issue and manage certificates.


☐ Standalone
Select this option if this CA does not use Directory Service data to issue or manage certificates. A standalone CA can be a member of a domain.

[More about the differences between enterprise and standalone setup](#)

< Previous Next > Install Cancel

8. كلذ دعب رقناو، رذجال ق دصم ال عجرم ال ددح.

Add Roles Wizard

 **Specify CA Type**

Before You Begin
Server Roles
AD CS
 Role Services
 Setup Type
CA Type
 Private Key
 Cryptography
 CA Name
 Validity Period
 Certificate Database
Confirmation
Progress
Results

A combination of root and subordinate CAs can be configured to create a hierarchical public key infrastructure (PKI). A root CA is a CA that issues its own self-signed certificate. A subordinate CA receives its certificate from another CA. Specify whether you want to set up a root or subordinate CA.

☒ **Root CA**
Select this option if you are installing the first or only certification authority in a public key infrastructure.


☐ **Subordinate CA**
Select this option if your CA will obtain its CA certificate from another CA higher in a public key infrastructure.

[More about public key infrastructure \(PKI\)](#)

< Previous Next > Install Cancel

9. يلاتال رقن او، ديدج صاخ حاتفم عاشن ددح.

Add Roles Wizard



Set Up Private Key

Before You Begin
Server Roles
AD CS
Role Services
Setup Type
CA Type
Private Key
Cryptography
CA Name
Validity Period
Certificate Database
Confirmation
Progress
Results

To generate and issue certificates to clients, a CA must have a private key. Specify whether you want to create a new private key or use an existing one.


- ☒ **Create a new private key**
Use this option if you don't have a private key or wish to create a new private key to enhance security. You will be asked to select a cryptographic service provider and specify a key length for the private key. To issue new certificates, you must also select a hash algorithm.
- ☐ **Use existing private key**
Use this option to ensure continuity with previously issued certificates when reinstalling a CA.
 - ☒ *Select a certificate and use its associated private key*
Select this option if you have an existing certificate on this computer or if you want to import a certificate and use its associated private key.
 - ☐ *Select an existing private key on this computer*
Select this option if you have retained private keys from a previous installation or want to use a private key from an alternate source.

[More about public and private keys](#)

< Previous
Next >
Install
Cancel

CA. ل ريفشت لكشي ىلع كلذ دع ب تقطقط 10.

Add Roles Wizard

 **Configure Cryptography for CA**

Before You Begin
Server Roles
AD CS
 Role Services
 Setup Type
 CA Type
 Private Key
Cryptography
 CA Name
 Validity Period
 Certificate Database
Confirmation
Progress
Results

To create a new private key, you must first select a [cryptographic service provider](#), [hash algorithm](#), and key length that are appropriate for the intended use of the certificates that you issue. Selecting a higher value for key length will result in stronger security, but increase the time needed to complete signing operations.

Select a cryptographic service provider (CSP):
 RSA#Microsoft Software Key Storage Provider Key character length: 2048

Select the hash algorithm for signing certificates issued by this CA:
 sha1
 md2
 md4
 sha256


☐ Use strong private key protection features provided by the CSP (this may require administrator interaction every time the private key is accessed by the CA)

[More about cryptographic options for a CA](#)

< Previous Next > Install Cancel

11. CA. اذه ل كرتشم مسا ري صقت لا لبقي نأ كلذ دع ب تقطوط .

Add Roles Wizard

 **Configure CA Name**

Before You Begin
Server Roles
AD CS
 Role Services
 Setup Type
 CA Type
 Private Key
 Cryptography
 CA Name
 Validity Period
 Certificate Database
Confirmation
Progress
Results

Type in a common name to identify this CA. This name is added to all certificates issued by the CA. Distinguished name suffix values are automatically generated but can be modified.

Common name for this CA:
wireless-WIN-MVZ9Z2UMNMS-CA

Distinguished name suffix:
DC=wireless,DC=com


Preview of distinguished name:
CN=wireless-WIN-MVZ9Z2UMNMS-CA,DC=wireless,DC=com

[More about configuring a CA name](#)

< Previous Next > Install Cancel

يُملأ قوفاً ورقناً، حلص هذه CA عداش اهي ف نوكت يتل ادملا لوط دح. 12.

Add Roles Wizard

 **Set Validity Period**

Before You Begin

Server Roles

AD CS

Role Services

Setup Type

CA Type

Private Key

Cryptography

CA Name

Validity Period

Certificate Database

Confirmation

Progress

Results

A certificate will be issued to this CA to secure communications with other CAs and with clients requesting certificates. The validity period of a CA certificate can be based on a number of factors, including the intended purpose of the CA and security measures that you have taken to secure the CA.

Select validity period for the certificate generated for this CA:

Years

CA expiration Date: 2/9/2018 11:49 AM


Note that CA will issue certificates valid only until its expiration date.

[More about setting the certificate validity period](#)

< Previous Next > Install Cancel

يضا رتفال تاداهشل تاناي بة دقاق ع قوم لوب قل يلاتل قوف رقنا 13.

Add Roles Wizard

 **Configure Certificate Database**

Before You Begin

Server Roles

AD CS

Role Services

Setup Type

CA Type

Private Key

Cryptography

CA Name

Validity Period

Certificate Database

Confirmation

Progress

Results

The certificate database records all certificate requests, issued certificates, and revoked or expired certificates. The database log can be used to monitor management activity for a CA.

Certificate database location:

C:\Windows\system32\CertLog Browse...

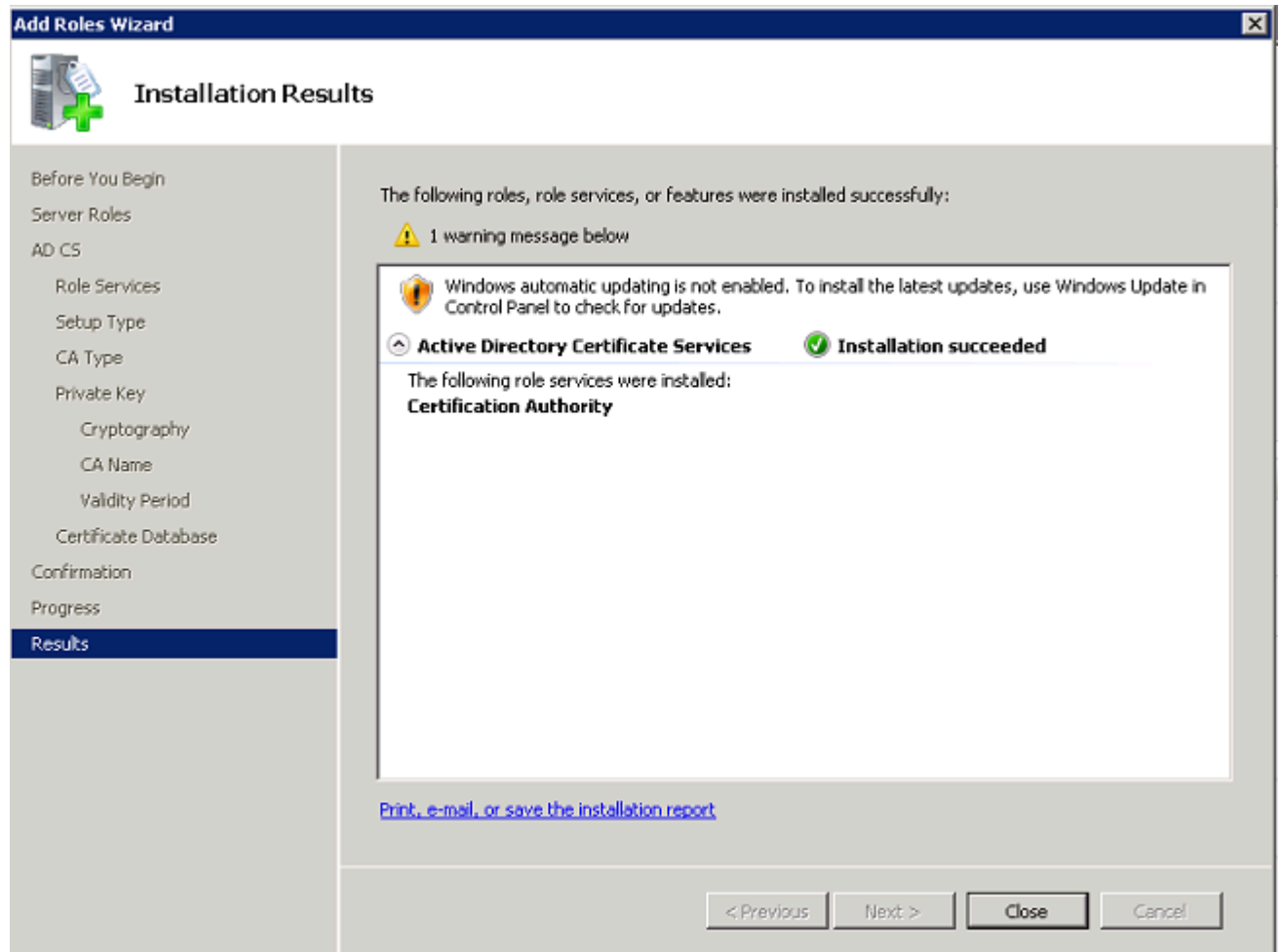
☐ Use existing certificate database from previous installation at this location

Certificate database log location:

C:\Windows\system32\CertLog Browse...

< Previous Next > Install Cancel

14. Active Directory تاداهش تامدخ ليغشت عدبل تي بٹت قوف رقنا مٹ، نپوكتلا عجار.

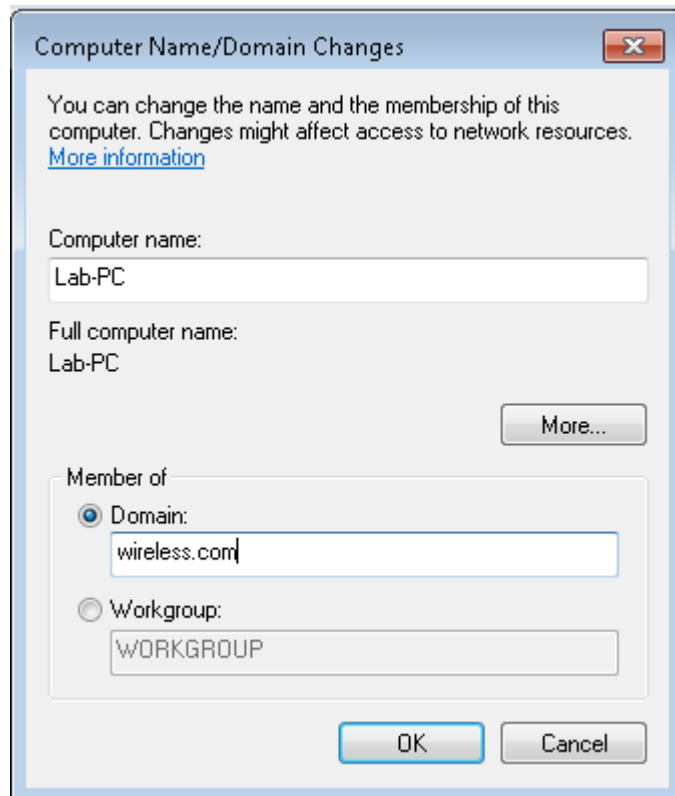


15. "قالغ| قوف رقنا ،تيبثتال لامتك ادب .

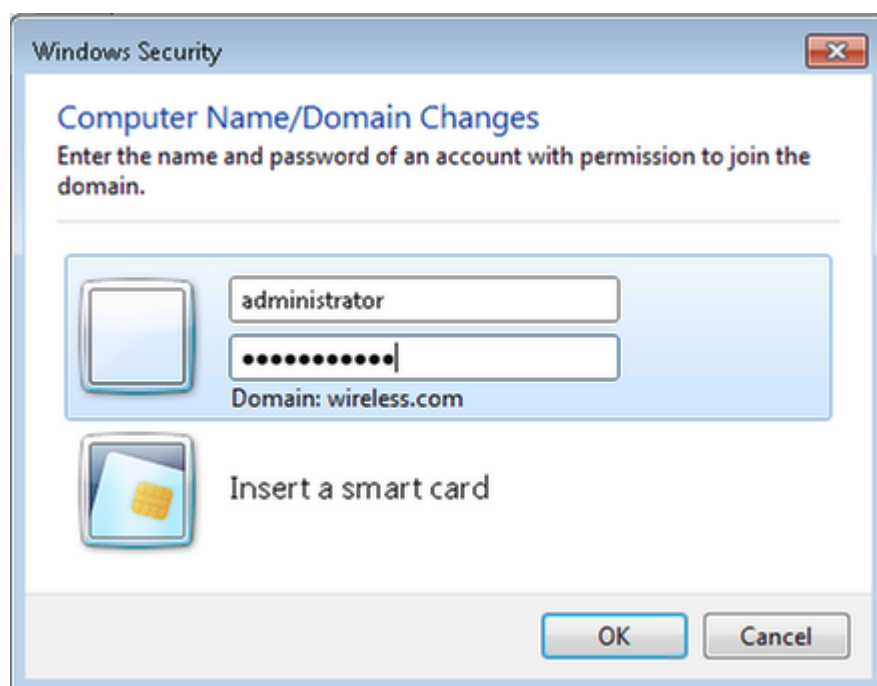
لاجملاب عالمعل لىصوت

ةدحمتامولعم لاجملا لىزننو ةيكلسلا ةكبشلا لى نوپزال تطبر steps in order to اذه تمتأ لاجم دىجل نم:

1. ربح رظانتم لىصوت لبك مادختساب ةيكلسلا ةكبشلاب عالمعل لىصوتب مق .تنرتي ةكبش .
2. رورملا ةملكول لىمعل مدختسم مسا مادختساب لوخدل لىجستو لىمعل لىمحتب مق .
3. قفاوم قوف رقناو ،لىغشت>ءدب قوف رقنا .
4. لكشب DHCP لمع نم ققحتلل enter قوف رقناو ،ipconfig لخدأ ،رمأل رماوا هجوم ي DHCP مداخ نم IP ناوغل لىمعل لىقلت نمو وحيحص .
5. قوف نميألسواملا رزب رقناو ،ءدب قوف رقنا ،لاجملا لىل لىمعل لىل امامضنال .نميألسال بانجال ي تادادعال رىيغت رتخاو ،صئاصخ رتخاو ،رتويبمكل .
6. ريغت ةقطق .
7. قوف رقنا مث ،لاثملا لىبس لىل ،ةيكلساللا ،لاجملا مسا لخدأ مث ،لاجملا قوف رقنا .



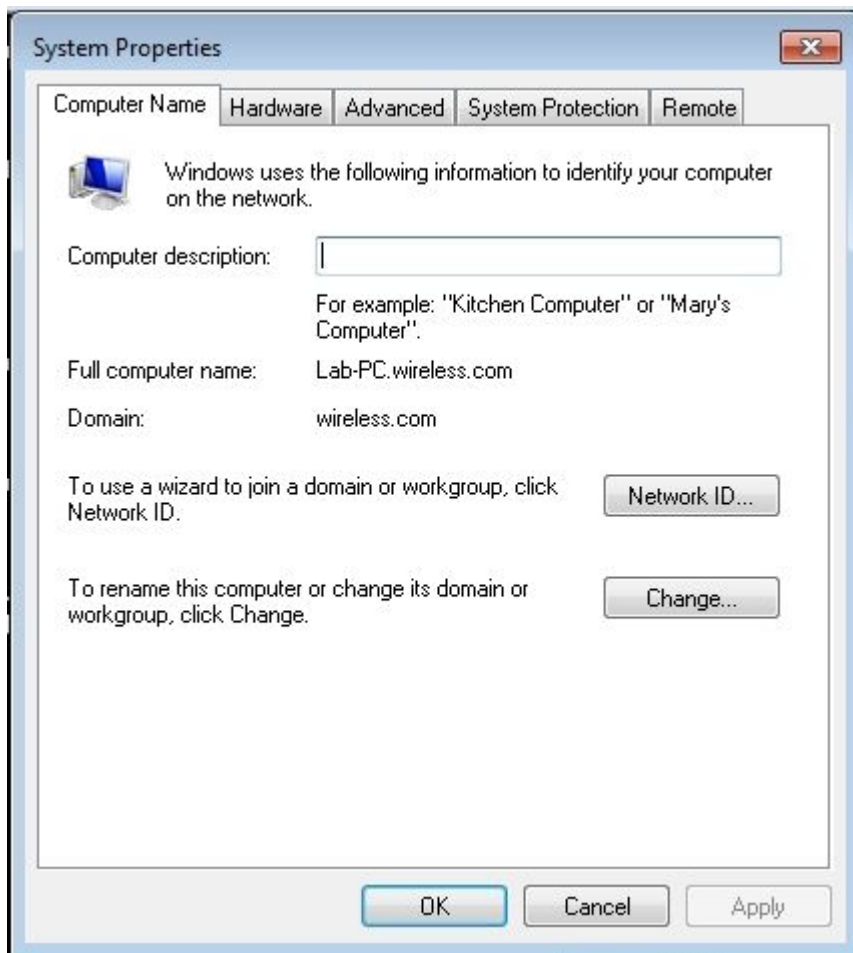
8. لي م عمل ه ل م ض ن ي ذ ل ا ل ا ج م ل ا ب ة ص ا خ ل ر و ر م ل ة م ل ك و ل و و س م ل م د خ ت س م ل م س ا ل خ د ا .
م د ا خ ل ل ع ل Active Directory ف ل و و س م ل ب ا س ح و ه ا ذ ه .



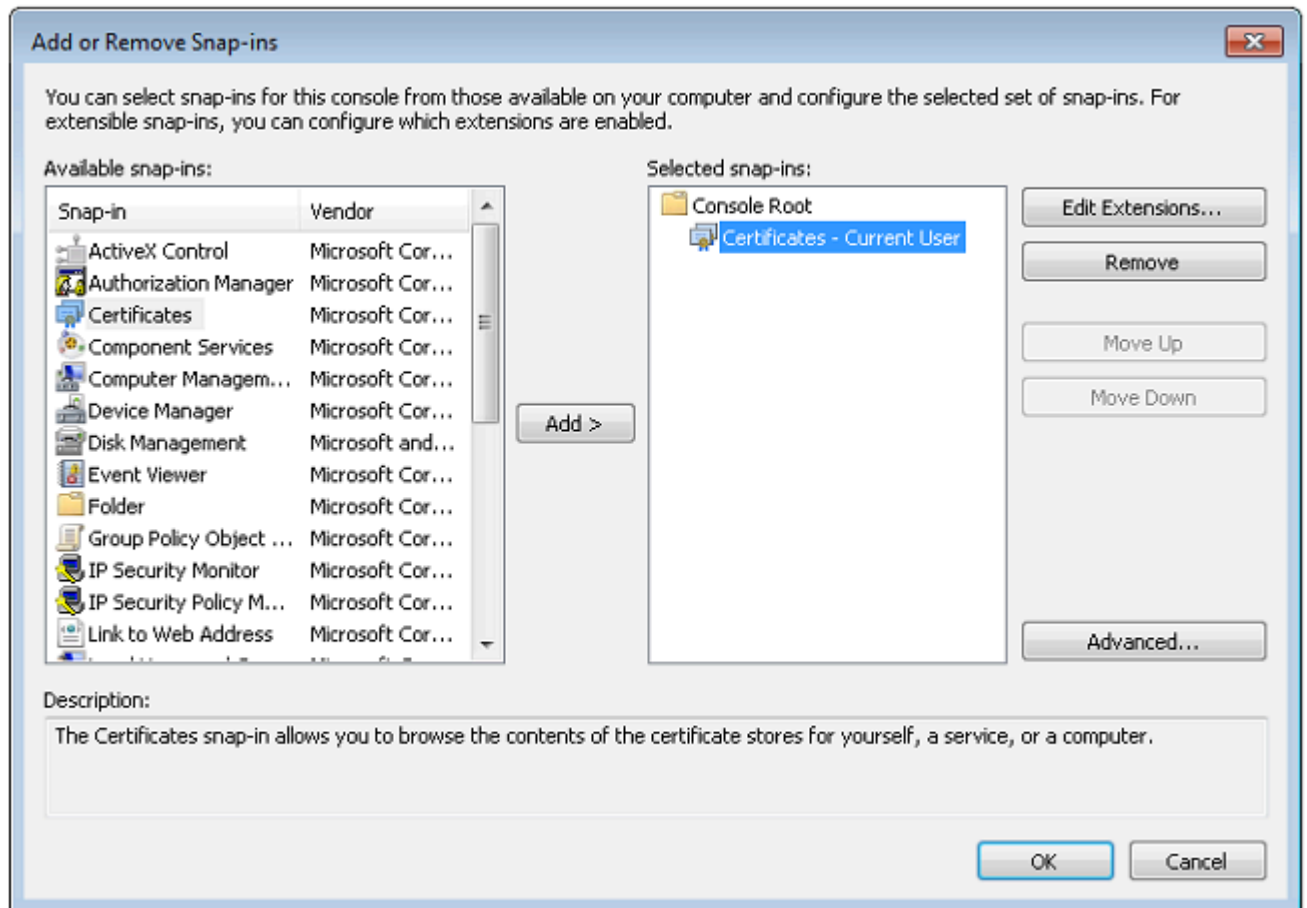
9. ة ن ا ث o k ت ق ط ق ط و ، o k ت ق ط ق ط .



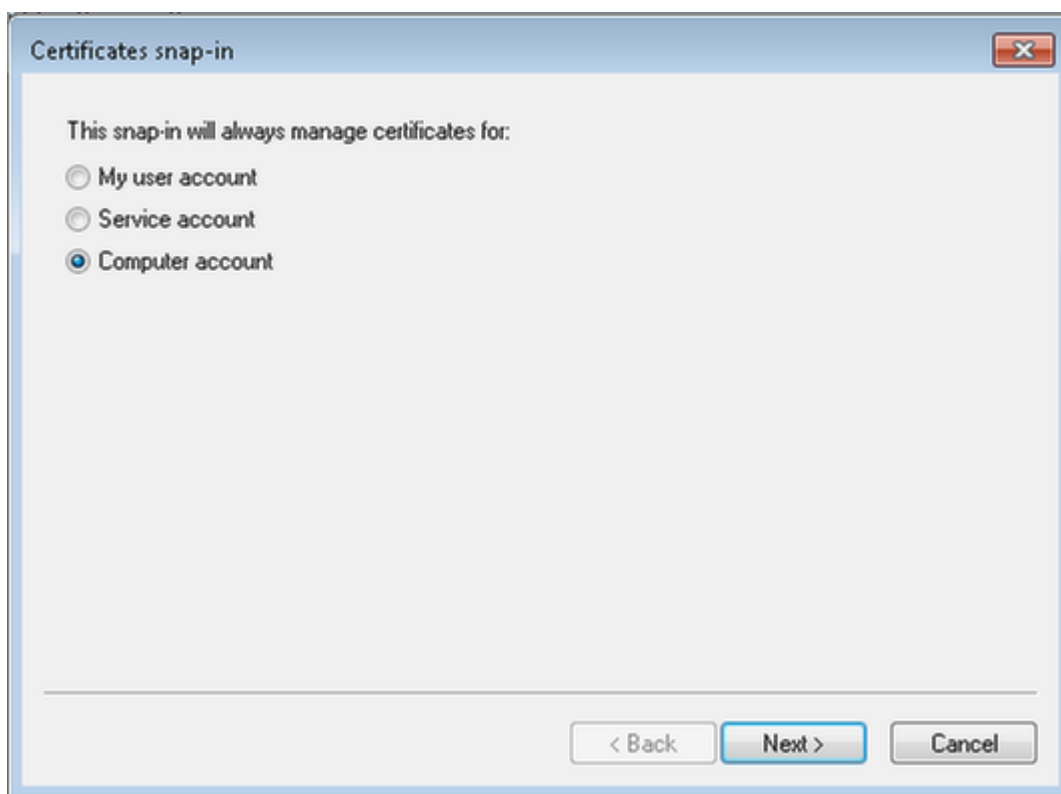
10. رتويبمك لل لي غشت ةداعإل نآل لي غشتل ةداعإل "قالغ" قوف رقنا.
11. = مدختسملا مسا :مادختساب لوخدلا ليحستب مق ،رتويبمك لل لي غشت ةداعإل درجمب
يكلسال = لاجملا ؛<لاجملا رورم ةمك> = رورملا ةمك ؛لوؤسملا
12. ريغت رتخاو ،صئاصخ رتخاو ،رتويبمك لل يلع نميألا سواملا رزب رقناو ،ءدب يلع رقنا
يكلساللا لاجملا ي ف كنأ نم ققحتلل نيميألا لفسأ ي ف تادادعإل
13. مداخل نم (ةقثلا) CA ةداهشل ليمعلا يقلت نم ققحتلل ي ف ةيلاتلا ةوطخل لثمتت



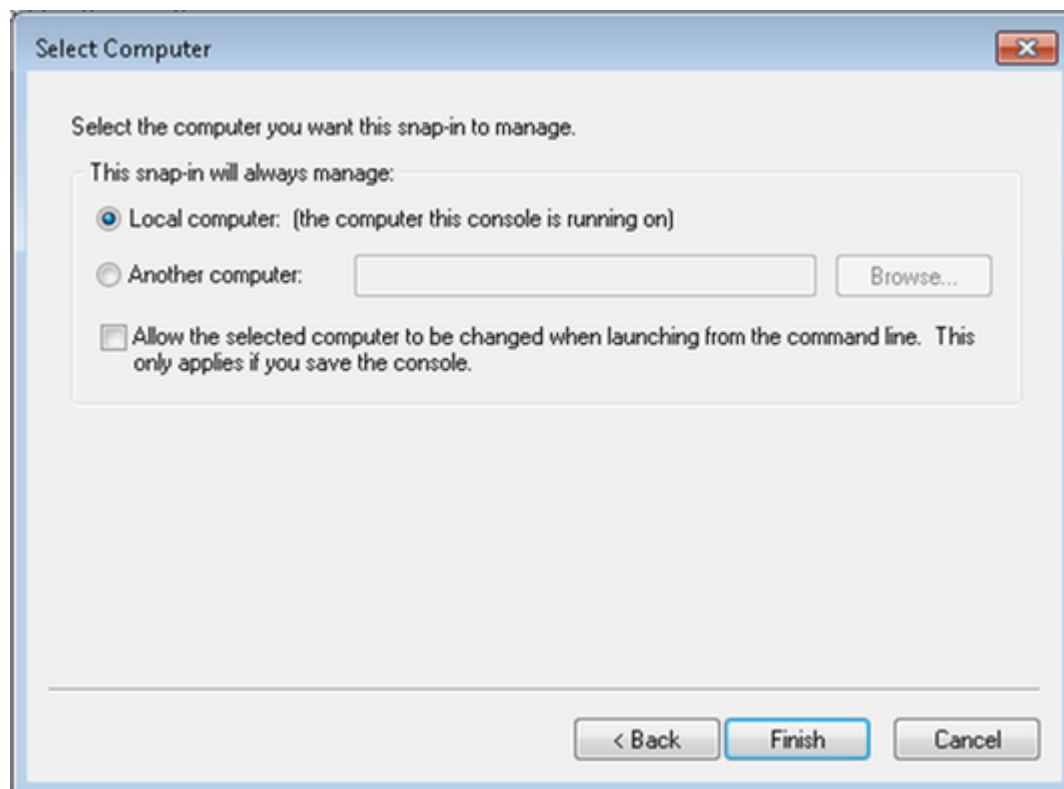
14. Enter حاتم يلع طغضا مث ،MMC لخدا مث ،ءدب قوف رقنا.
15. ةيفاضإل ةادأل ةلاز/ةفاضإ رقناو ،فلم رقنا.
16. ةفاضإ رقناو ،تاداهش رتخأ.



17. كلذ دعب تقطق طو، باسح بوساح تقطق ط.

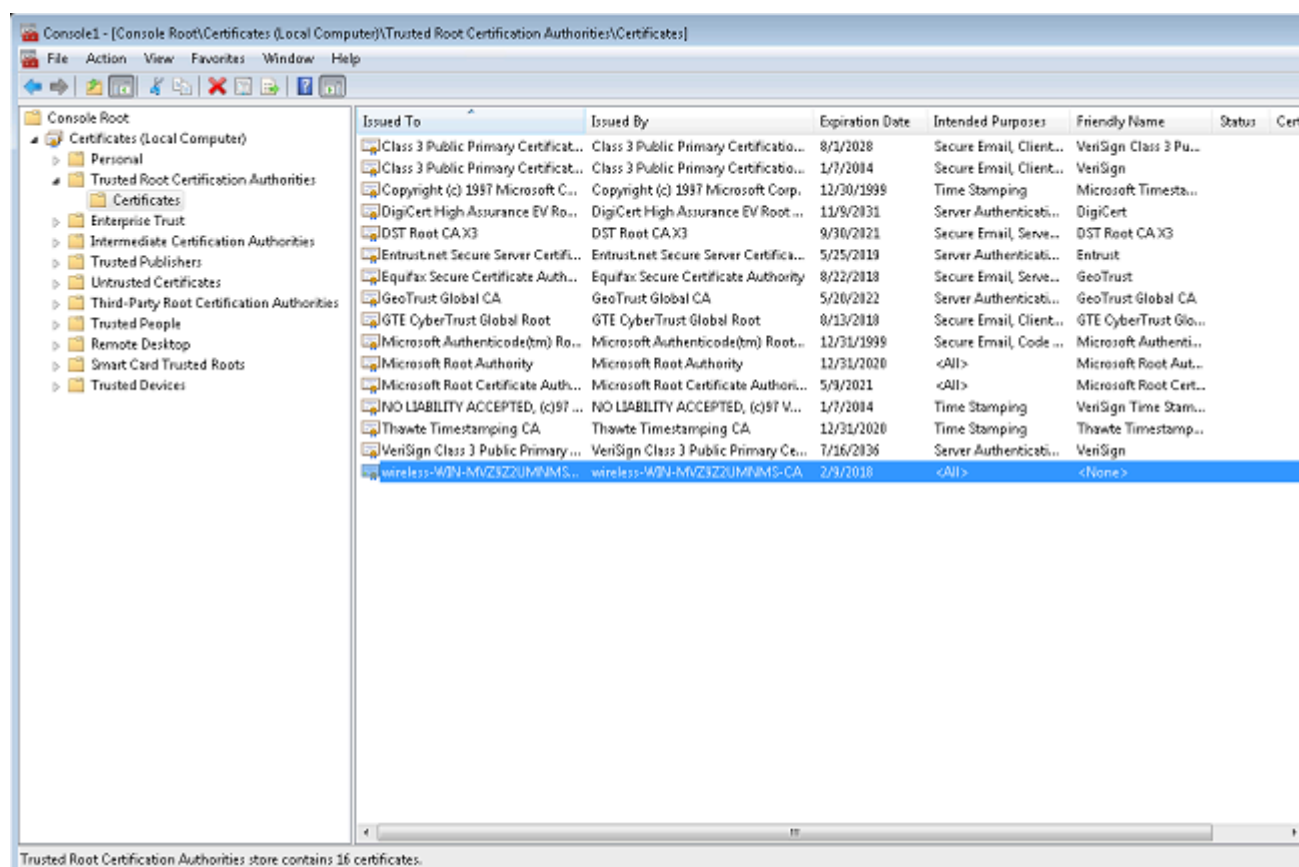


18. كلذ دعب تقطق طو، بوساح يلحم تقطق ط.



19. OK قوف رقناو.

20. اهيف قووثومل رذجل قي دصتلا عجارم تادلجم و (ي لحمل رتوي بمكلا) تاداهشلا تددم. في ةمئاقلا في كلساللا لاجملل ق دصم الم عجرمل ال ع روثعلا. تاداهشلا قوف رقناو wireless-WIN-MVZ9Z2UMNMS-CA. م س CA ةداهش ال ع ق لطي، لاثملا اذه

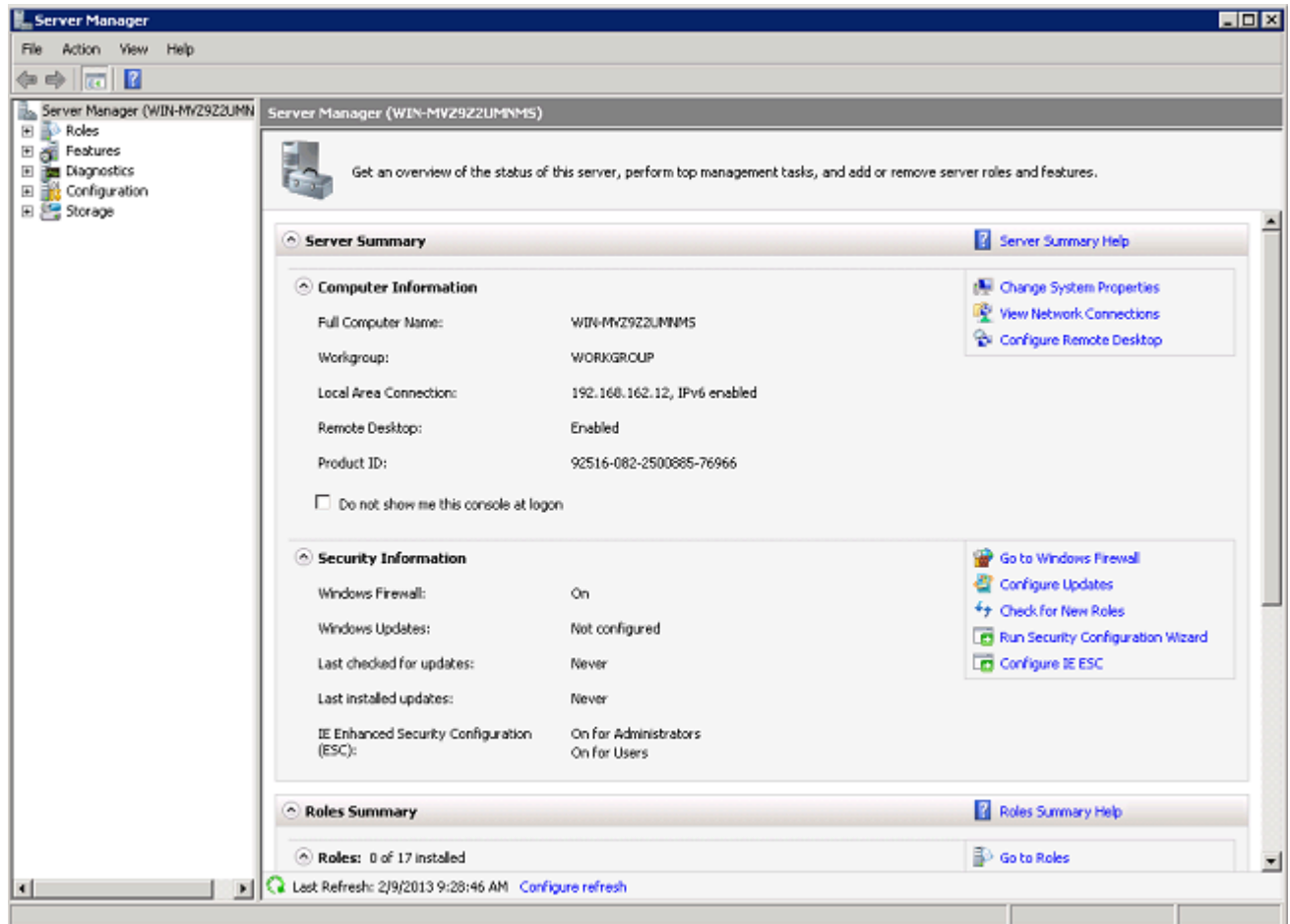


لإكمال إلى عالم عمل نم ديزم لإ فاضل إارج إلى اذه ررك 21.

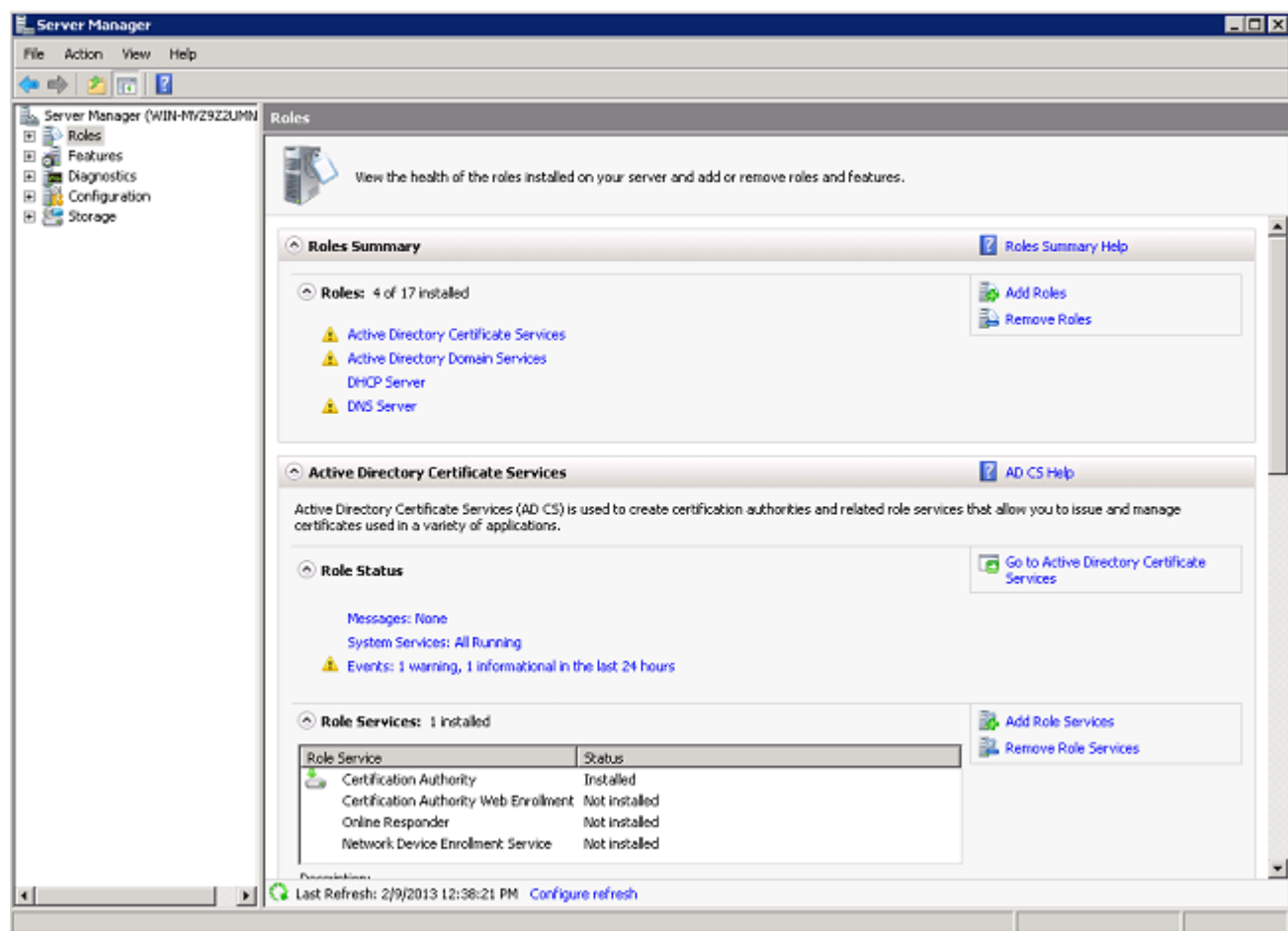
Microsoft Windows 2008 مداخل إلى عكش إلى جهن مداخل تيبت

قداصمب نيكل إلى إلى عالم عمل قداصلم RADIUS مداخل NPS مداخل تسإ م تي ،دادع إلى اذه ي ف
Microsoft WiWindows 2008 مداخل إلى عنيوكتو NPS تيبتل إلى إلى تاوطل إلى لم ك. PEAP.

1. ري دم لدان >إداب جمر بي ققط قط .




2. راوداً فاضل إاروا داً قوف رقنا .



3. (يلالاتلا) Next قوف رقنا .

Add Roles Wizard

 **Before You Begin**

Before You Begin

Server Roles

Confirmation

Progress

Results

This wizard helps you install roles on this server. You determine which roles to install based on the tasks you want this server to perform, such as sharing documents or hosting a Web site.

Before you continue, verify that:

- The Administrator account has a strong password
- Network settings, such as static IP addresses, are configured
- The latest security updates from Windows Update are installed

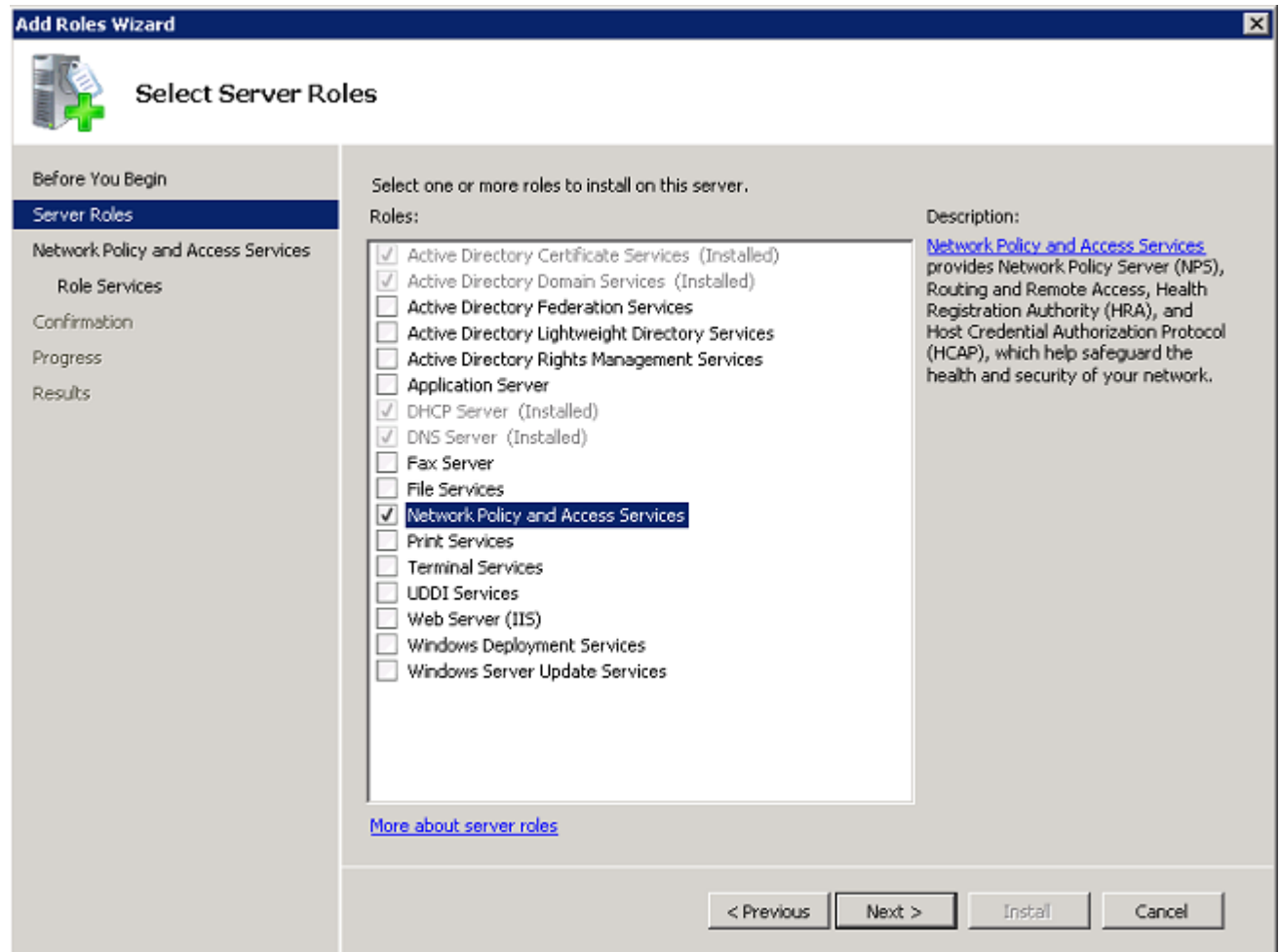
If you have to complete any of the preceding steps, cancel the wizard, complete the steps, and then run the wizard again.

To continue, click Next.

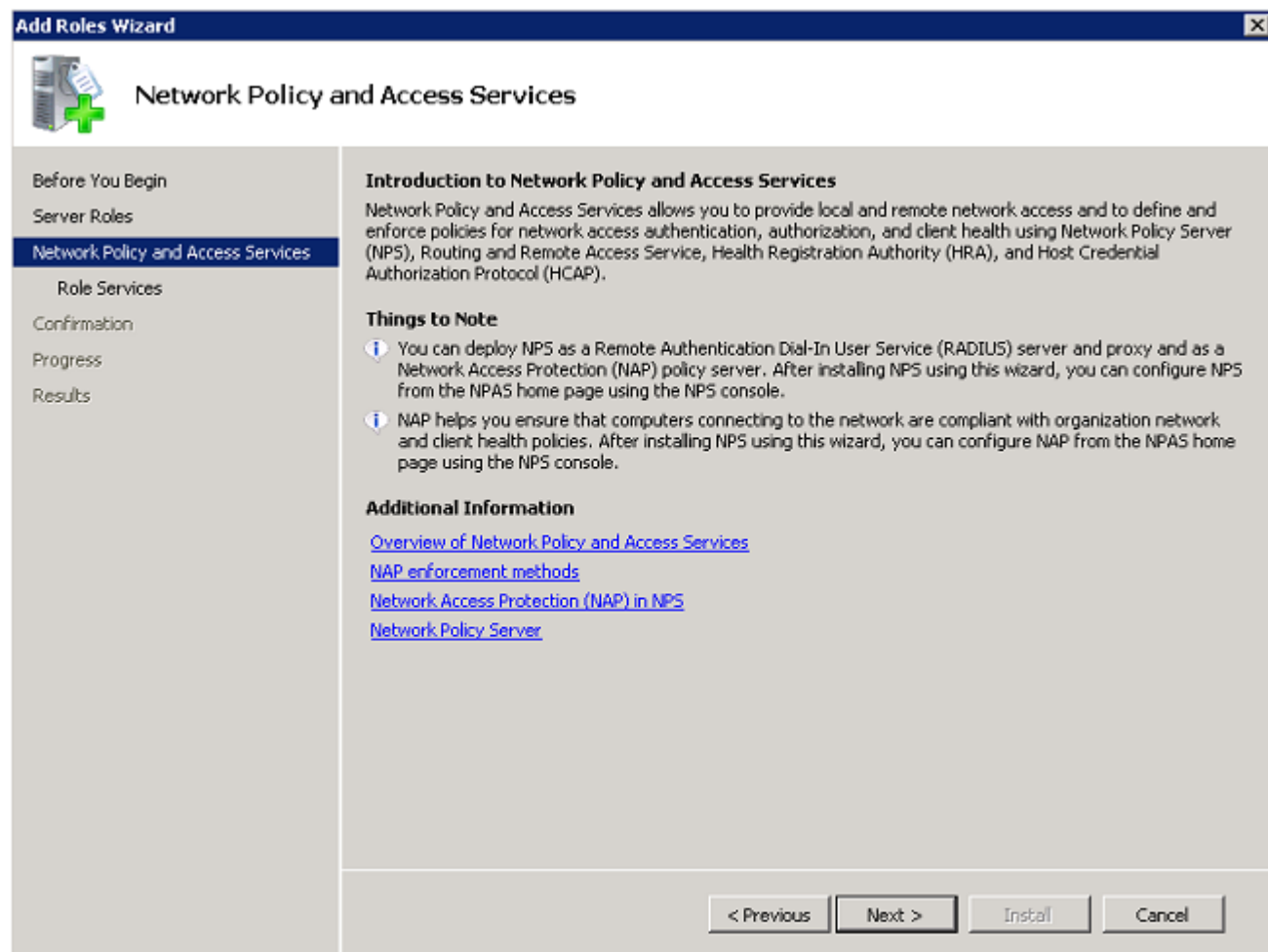
☐ Skip this page by default

< Previous Next > Install Cancel

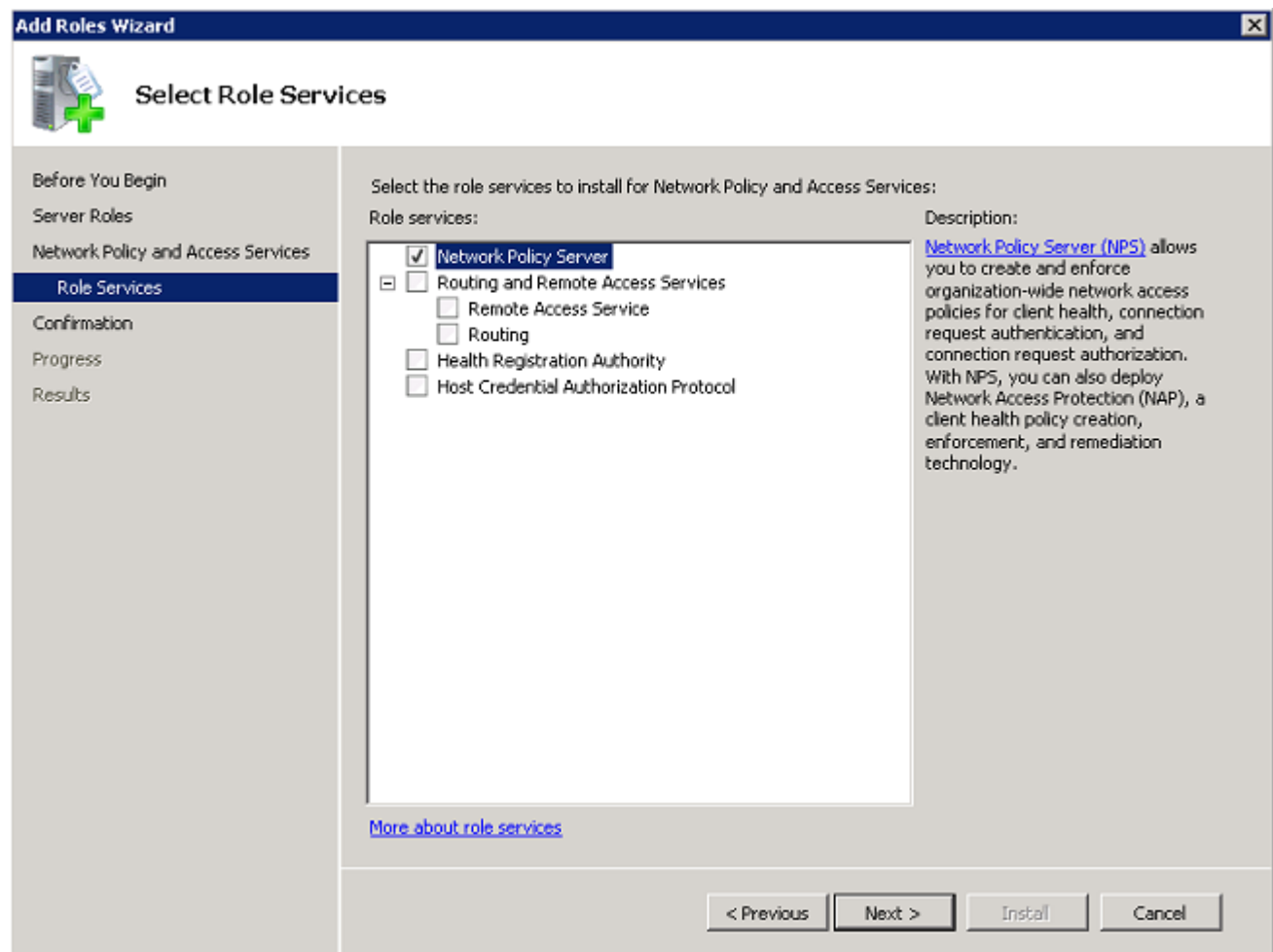
4. يلاتلا قوف رقنا م ث ،لوصول تامدخو ةمدخل ةكبش ةسايس ددح.



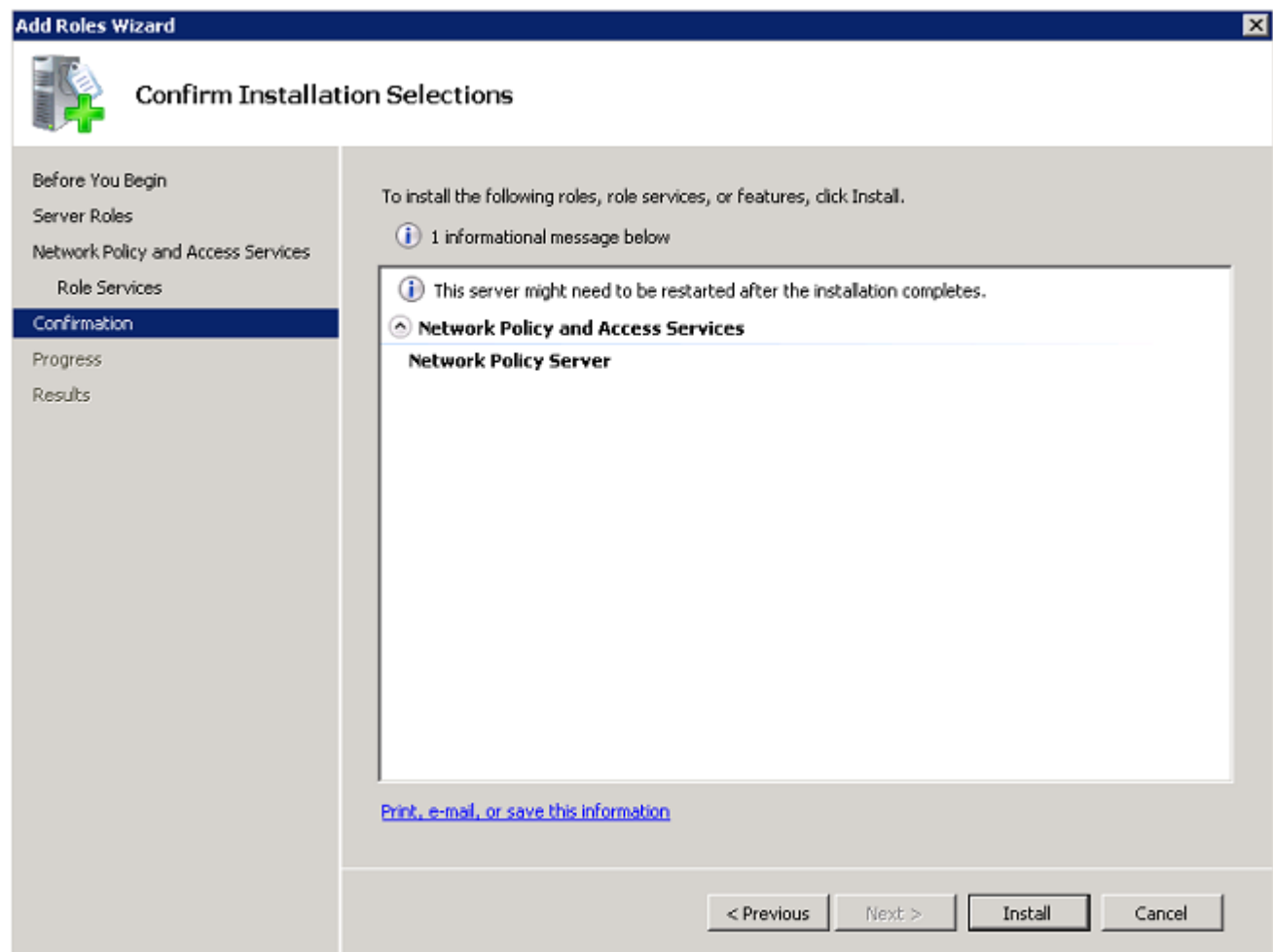
5. يلاتل قوف رقناو، لوصولو تامدخو ةكبشلا ةسايس ةمدقم عجار.



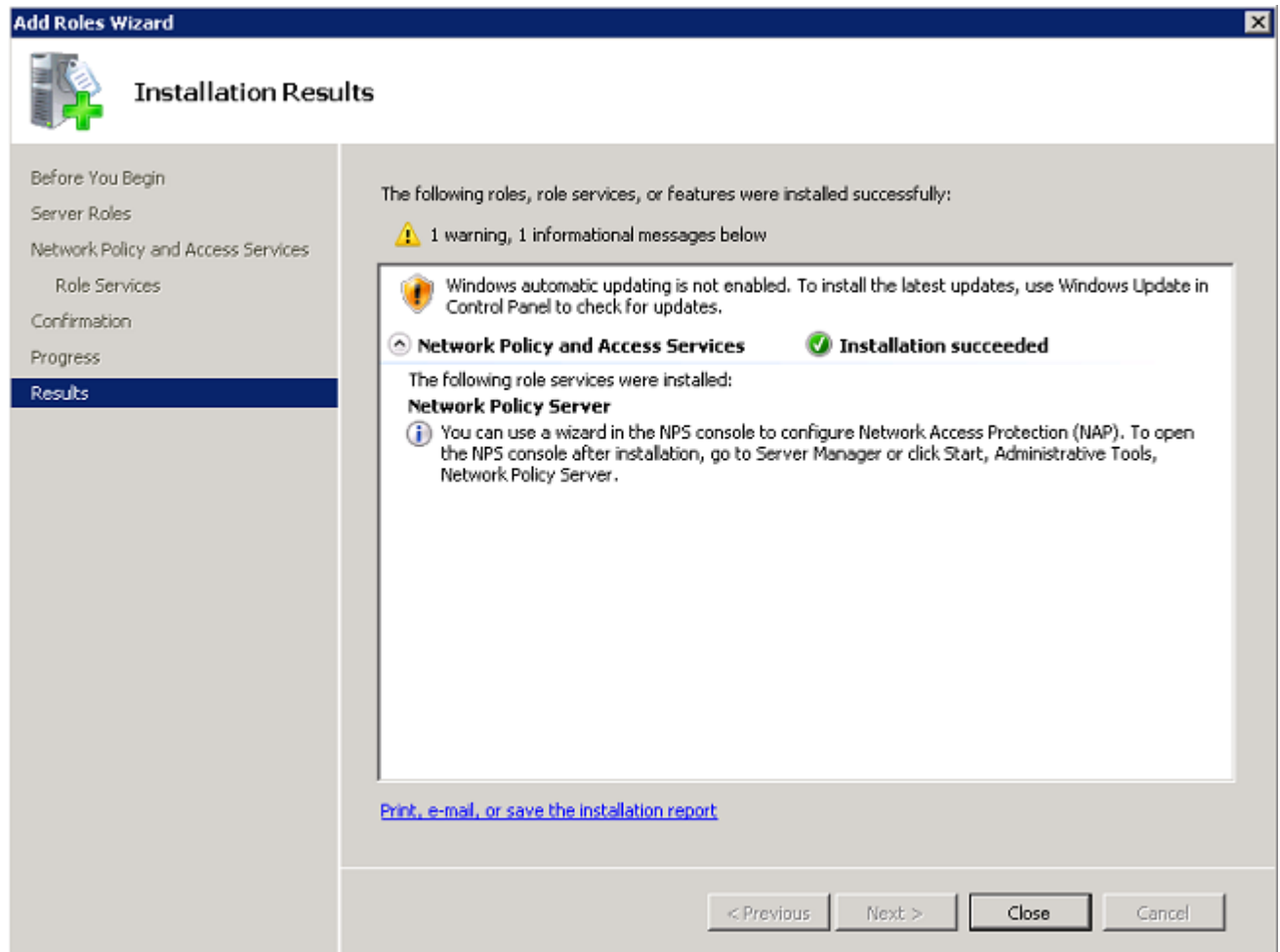
6. يلاتال قوف رقناو، ةكبشلا جهن مداخ ددح.



7. تېبىت قوف روناو، دېكأتال عجار.



ةشاشلا هذهل ةلثامم ةشاش ضرع متي ،تيبثتلا لامتك ا دع ب

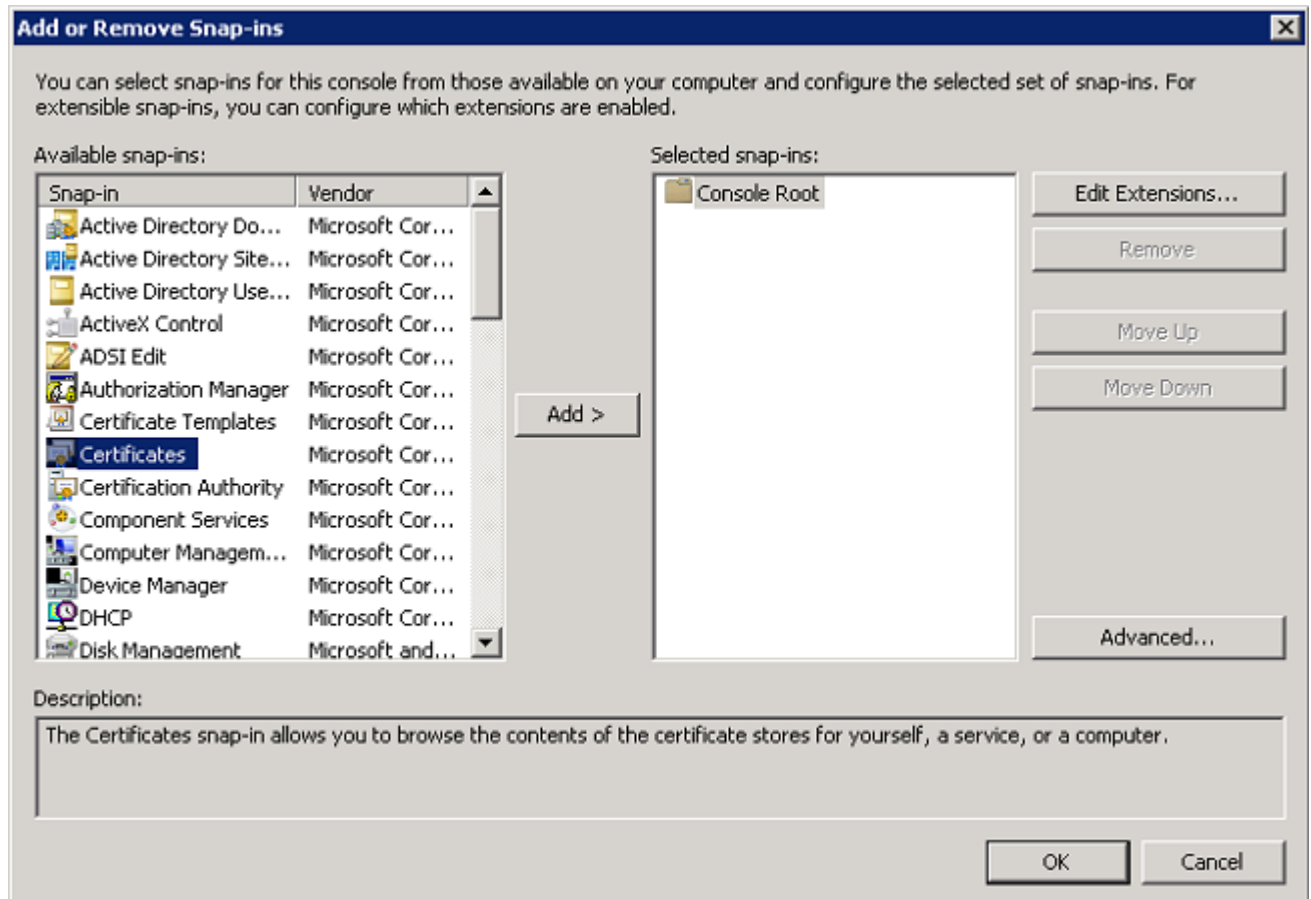


8. "قالغ" قوف رقنا.

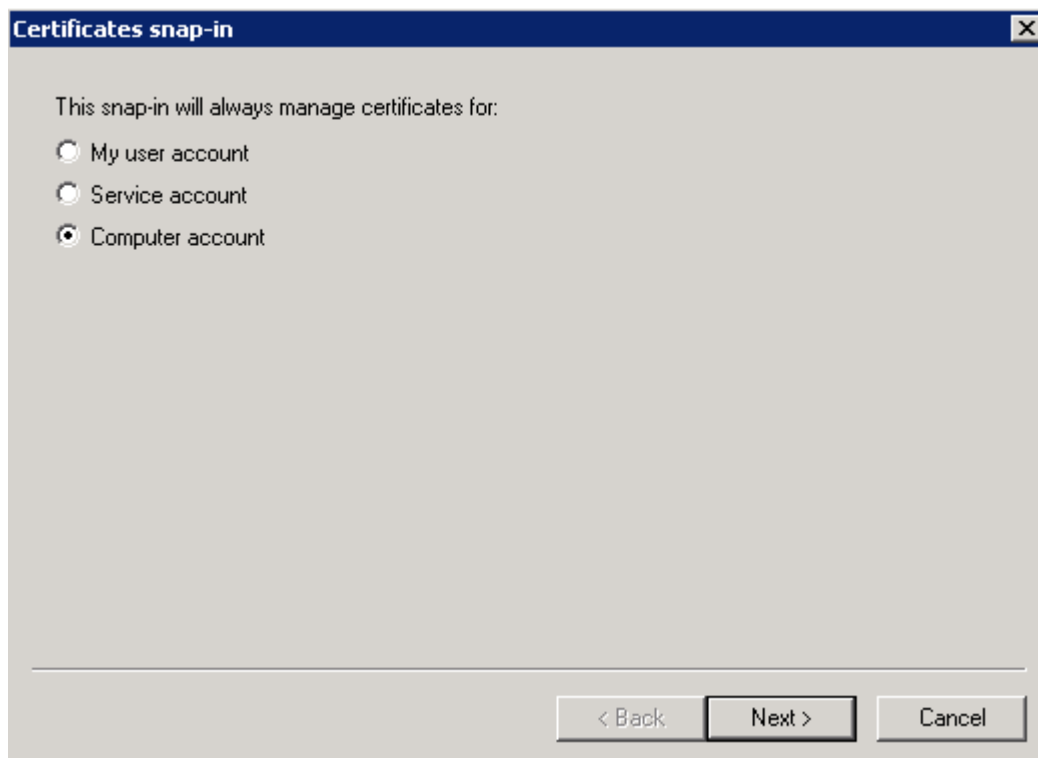
ةداهش تيپثت

NPS: ل ةداهش رتويبم واكل تبكر steps in order to اذه تمتأ

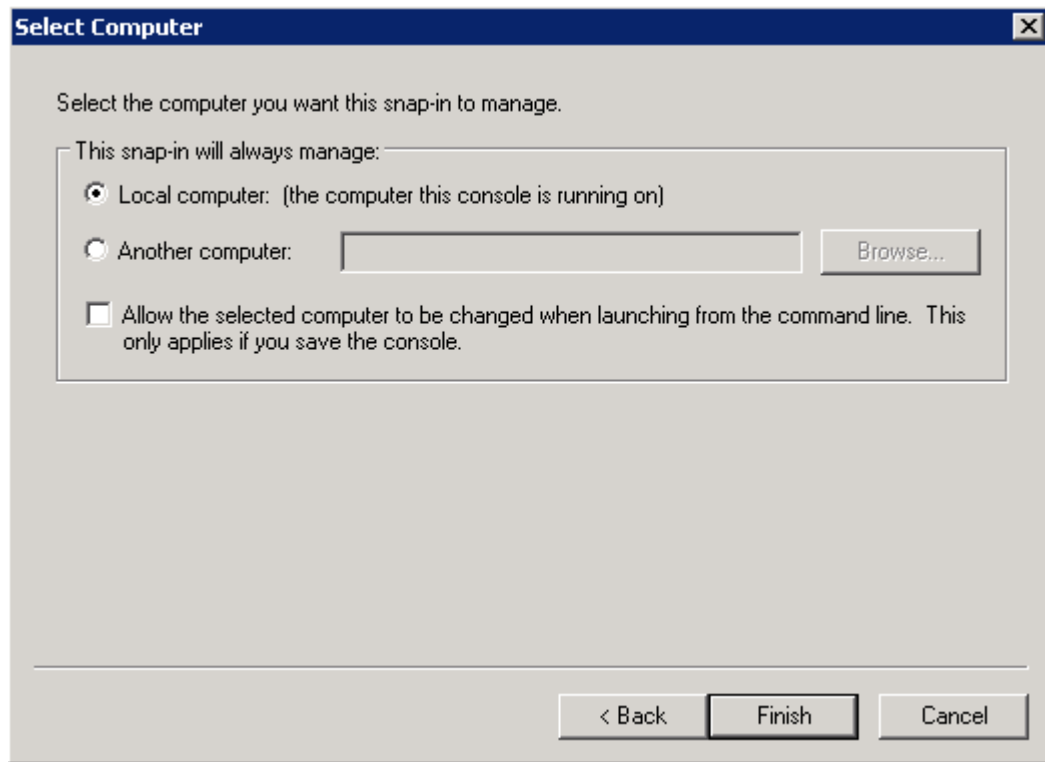
1. Enter حاتفم يلع طغضا مث، MMC لخدأ مث، ءدب قوف رقنا.
2. ةيفاضإل ةادلأ ةلازا/ةفاضإ > فلم رقنا.
3. ةفاضإ رقناو، تاداهش رتخأ.



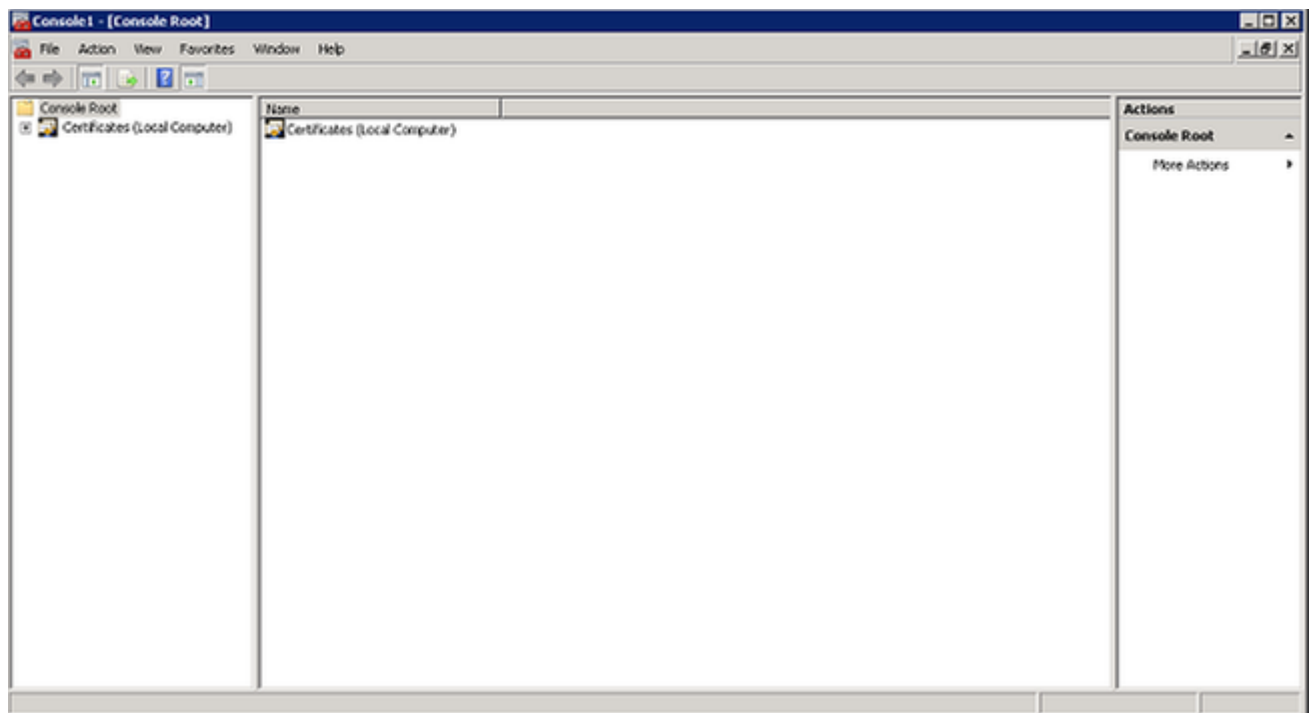
4. كلذ دعب ةق طق طو ،باسح بوساح ترتخأ .



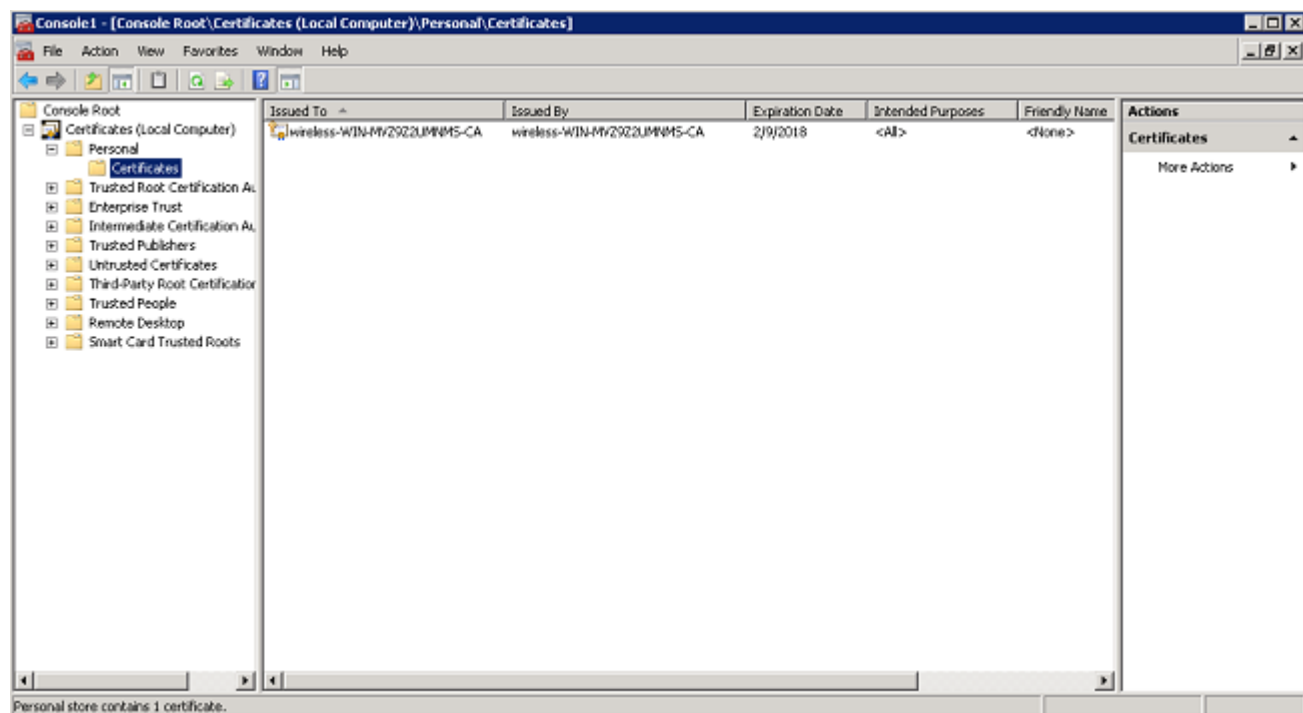
5. عاهن إرقناو ،يلحم رتوي بمك ددح .



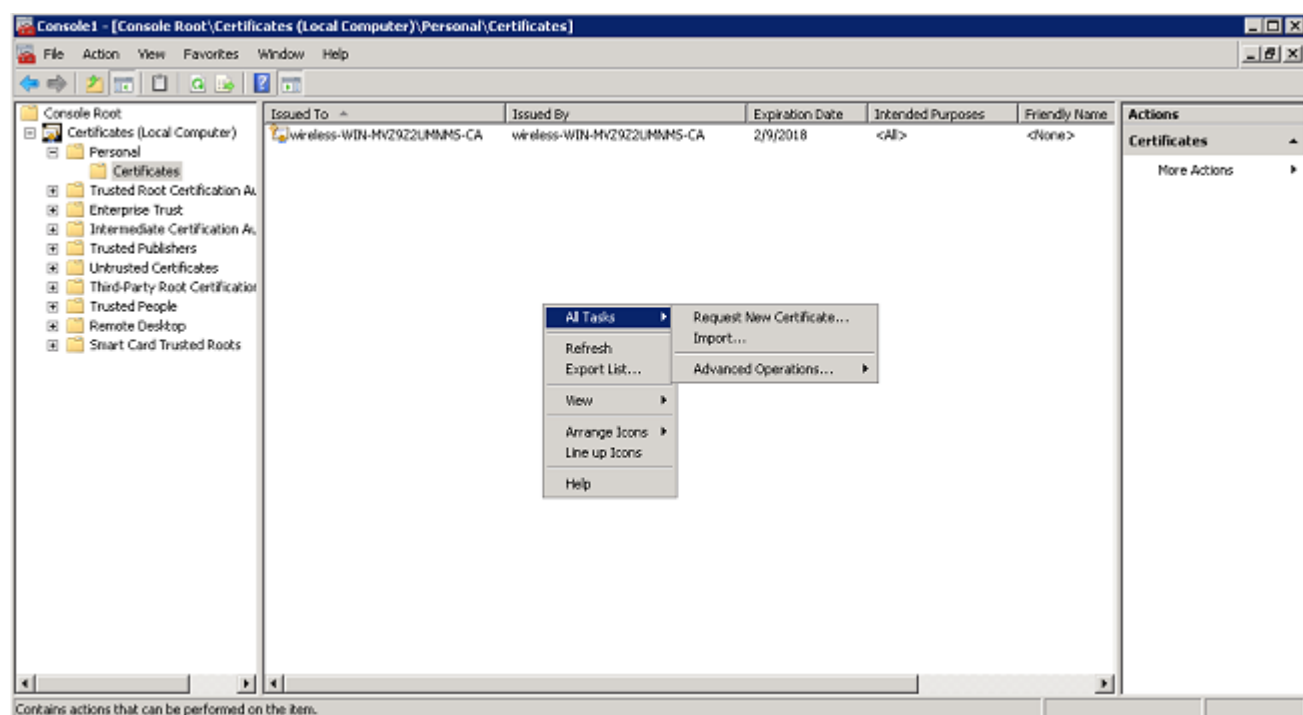
6. Microsoft Management Console (MMC) ىل ةدوعلل قفاوم قوف رقنا .



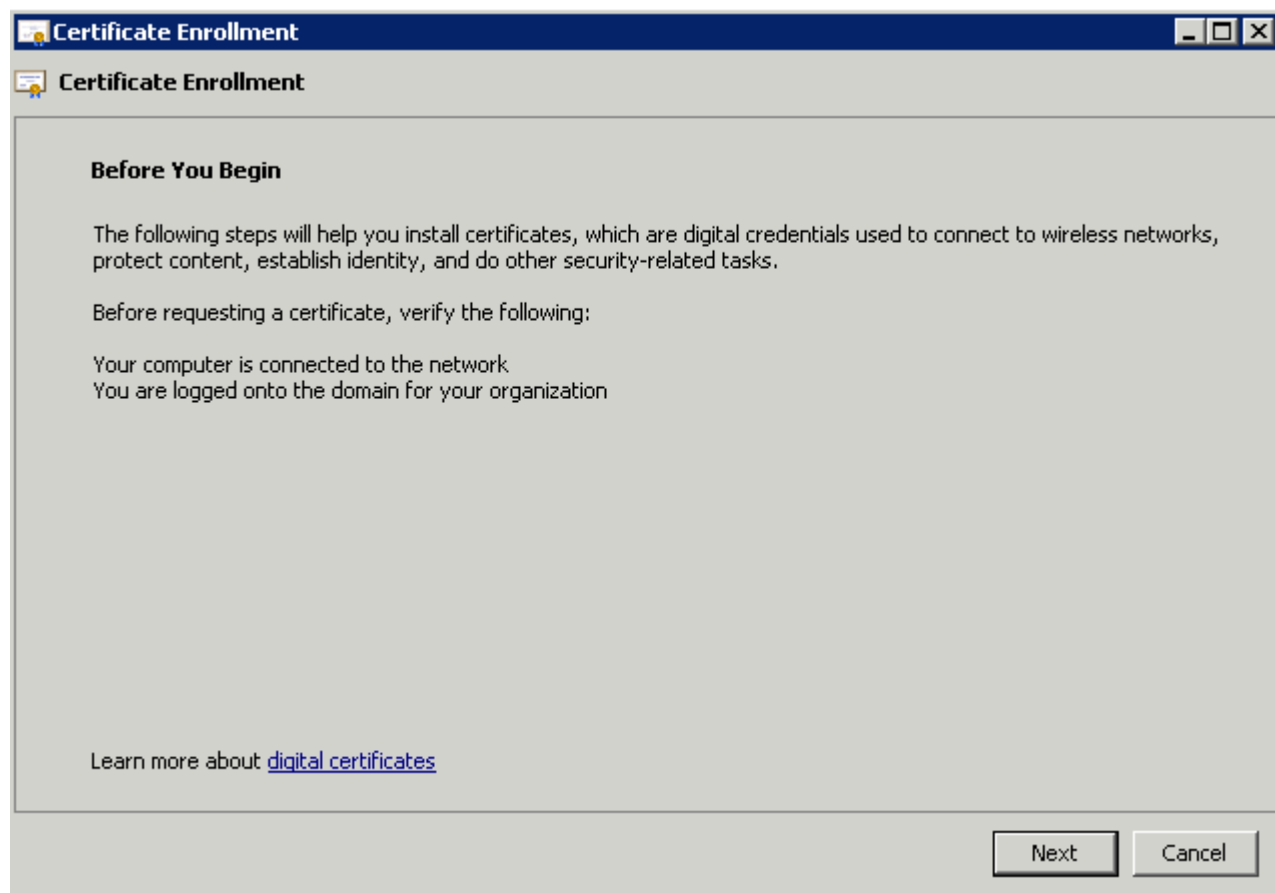
7. تاداهش لا رقناو ،ةيصخش لا تادلجم لاو (ىلحمل رتوي بمكل) تاداهش لا عىسوت ب مق .



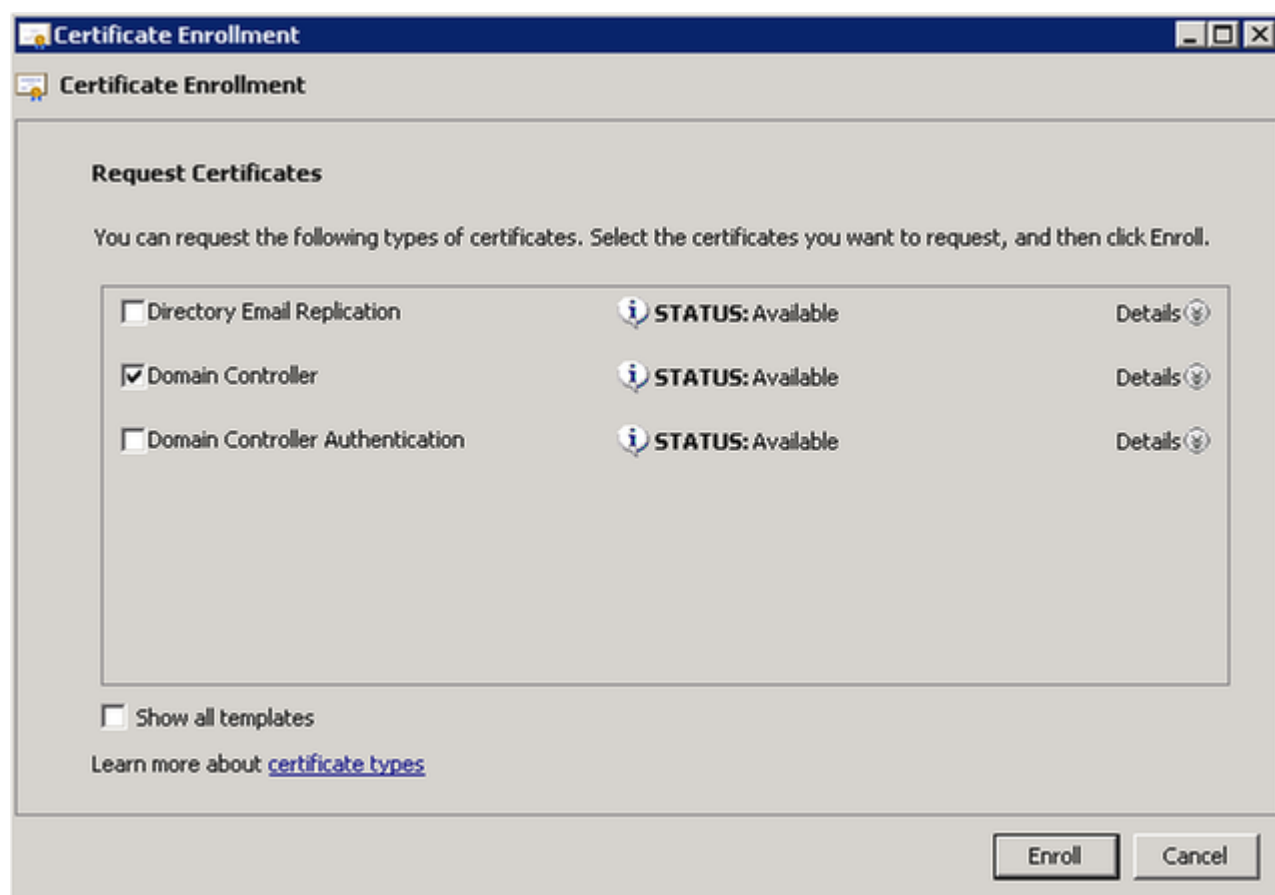
8. فاك رتخاو، CA، عدهاش لفساً عاضيبلا ءحاسملا قوف نميال سواملا رزب رقنا .
 ءديج عدهاش بلط >مهاملا



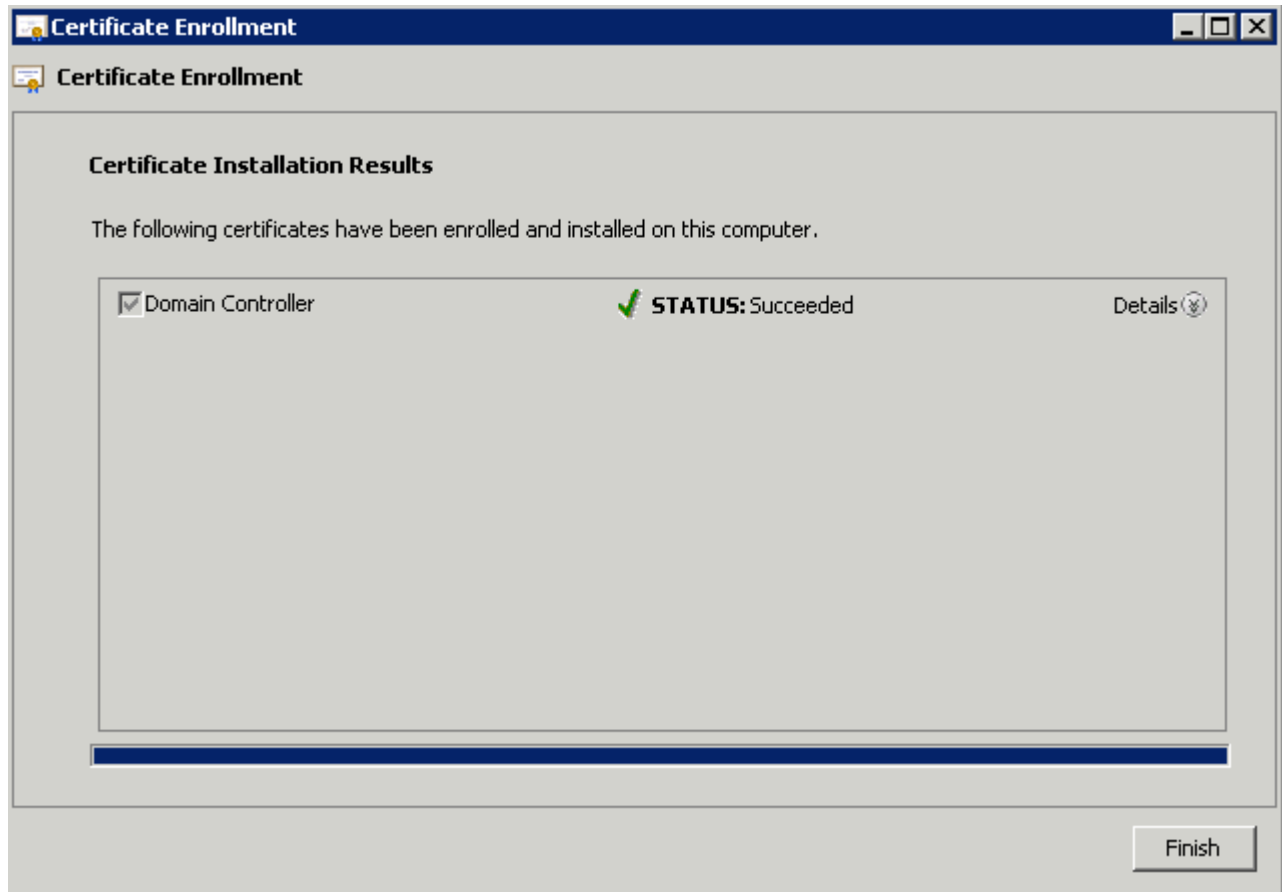
9. (يالال) Next قوف رقنا .



10. لځسټ قوف رقناو، لځم لاپ مكحت لال ءدو ددح.

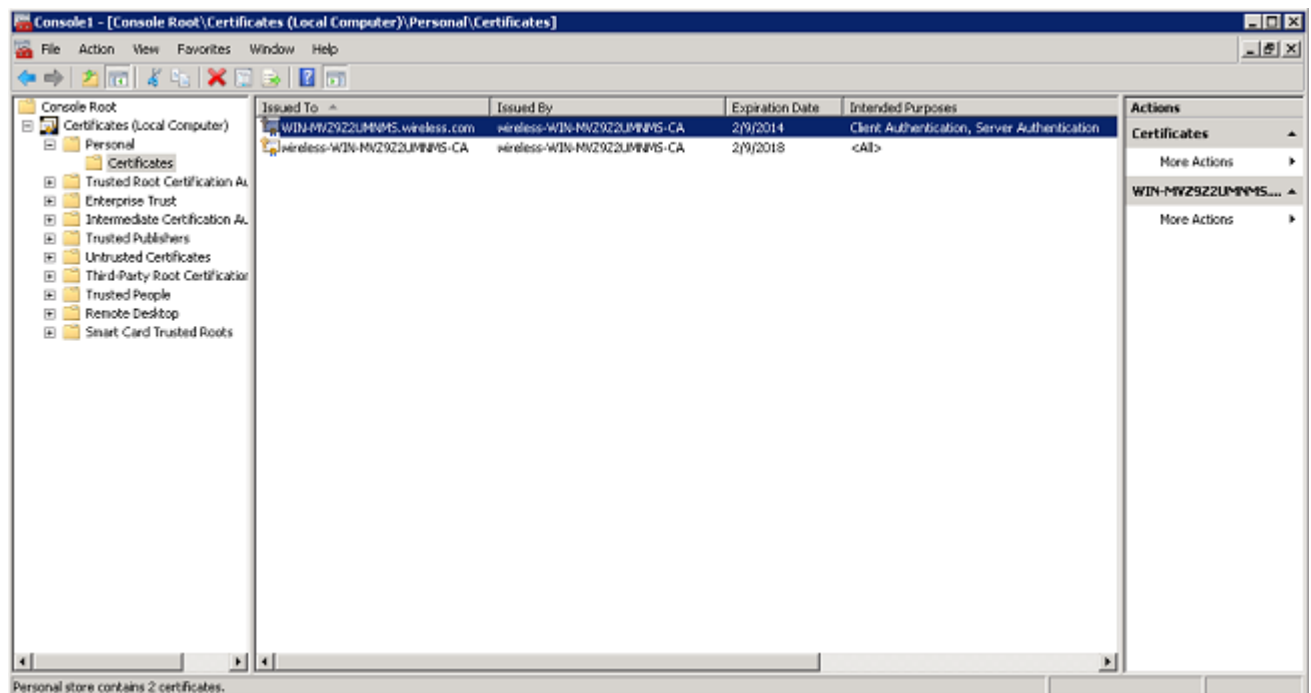


11. ةداهشلا تيبتت درجمب ءاهنإ يلع رقنا .



نآلا ةتبتثم NPS ةداهش .

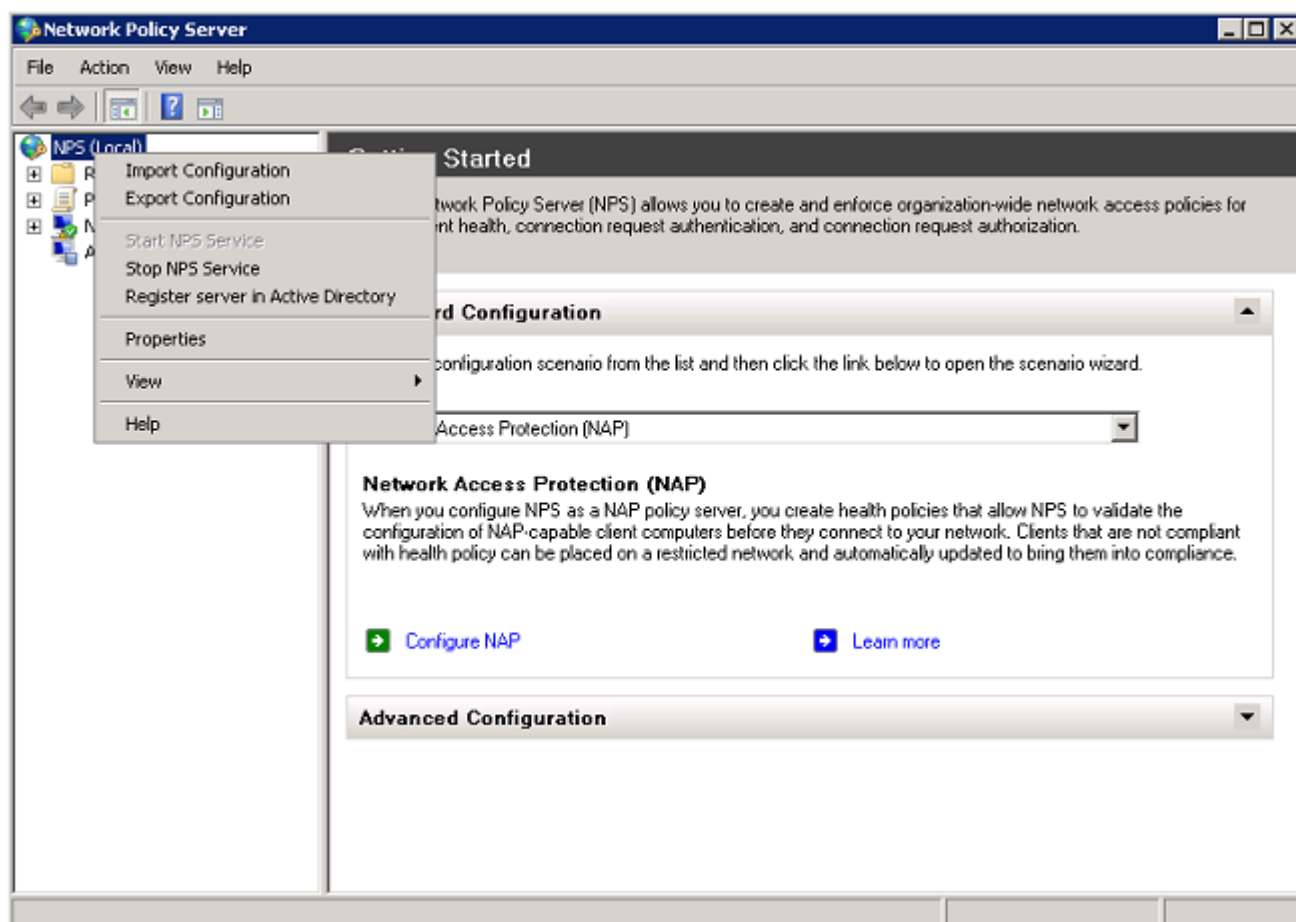
12. مداخل ةقداصم وليمعال ةقداصم أرقى ةداهشلا نم دوصقمال ضرغلأ نأ نم دكأت .



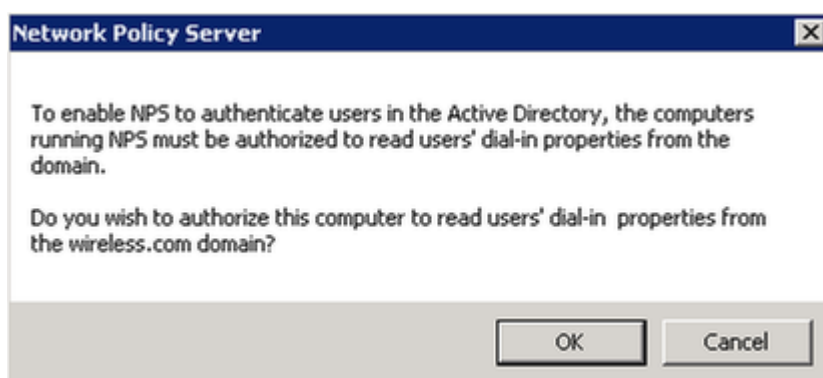
PEAP-MS-CHAP v2 ةقداصم لكبشلا جهن مداخ ةمدخ نيوكت

ةقداصم لكبشلا NPS ت لكش steps in order to اذه تمتأ

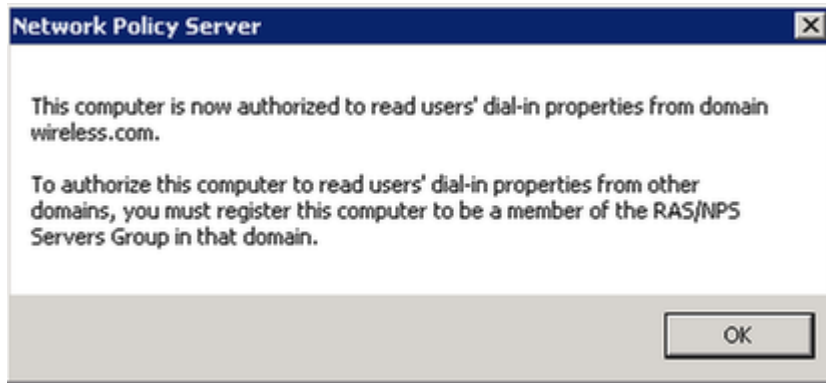
1. ةكبشلا جهن مداخ >ةيرادا تاودأ>أدبا ىلع رقنا.
2. Active Directory في ليجستلا مداخ رتخاو، (يلحم) NPS قوف نميال سواملا رزب رقنا.



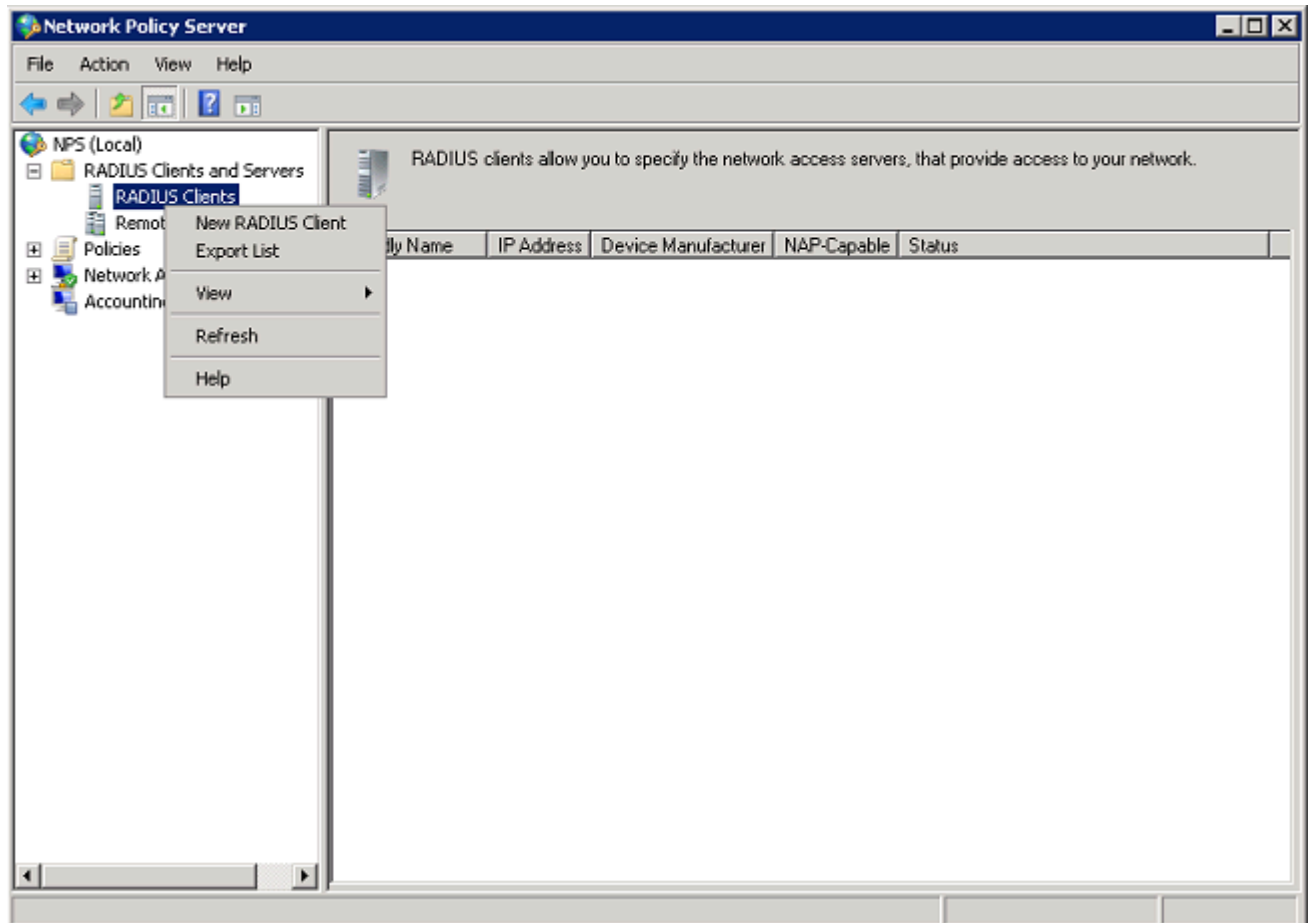
3. OK قوف رقناو.



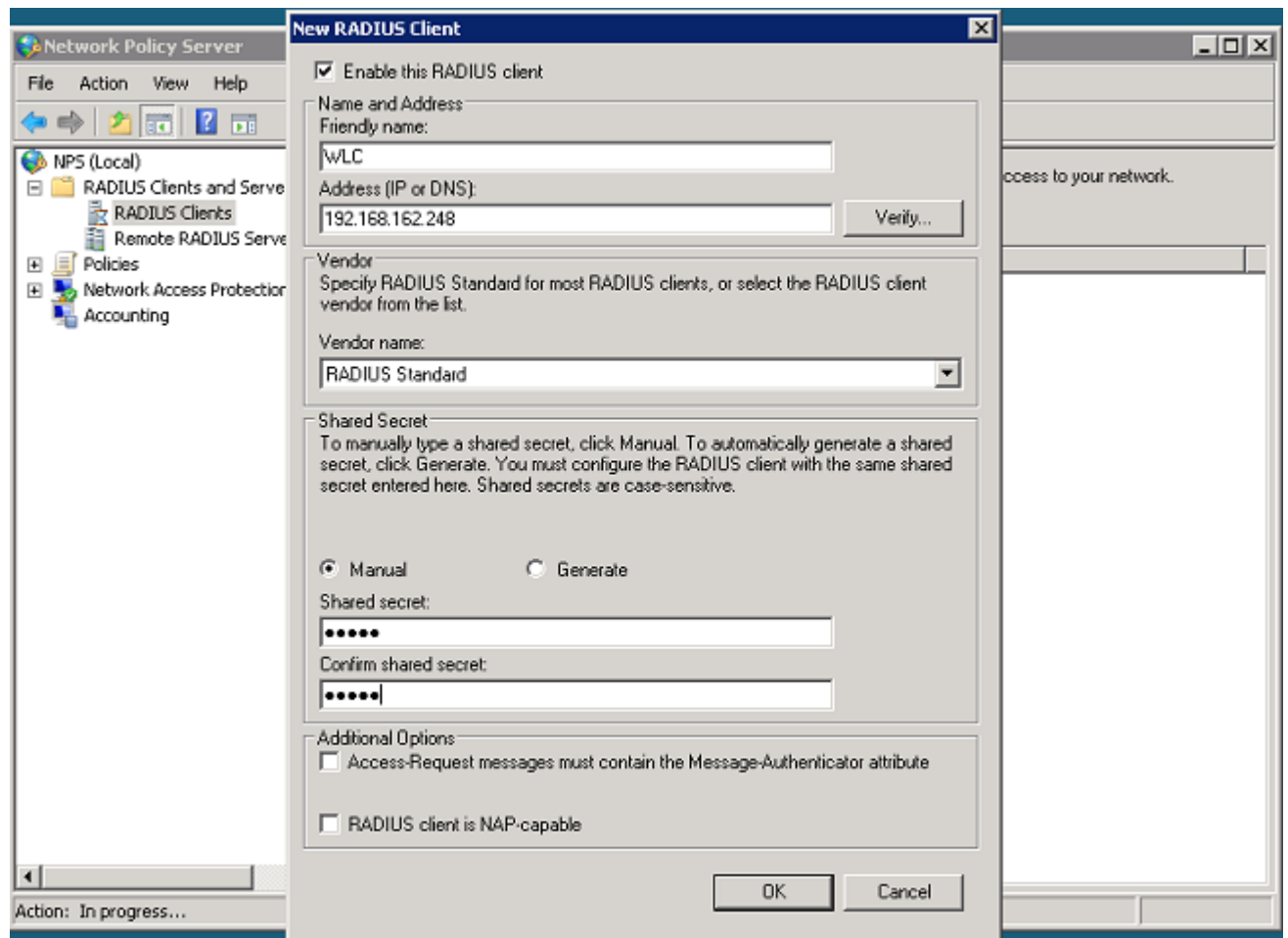
4. OK قوف رقناو.



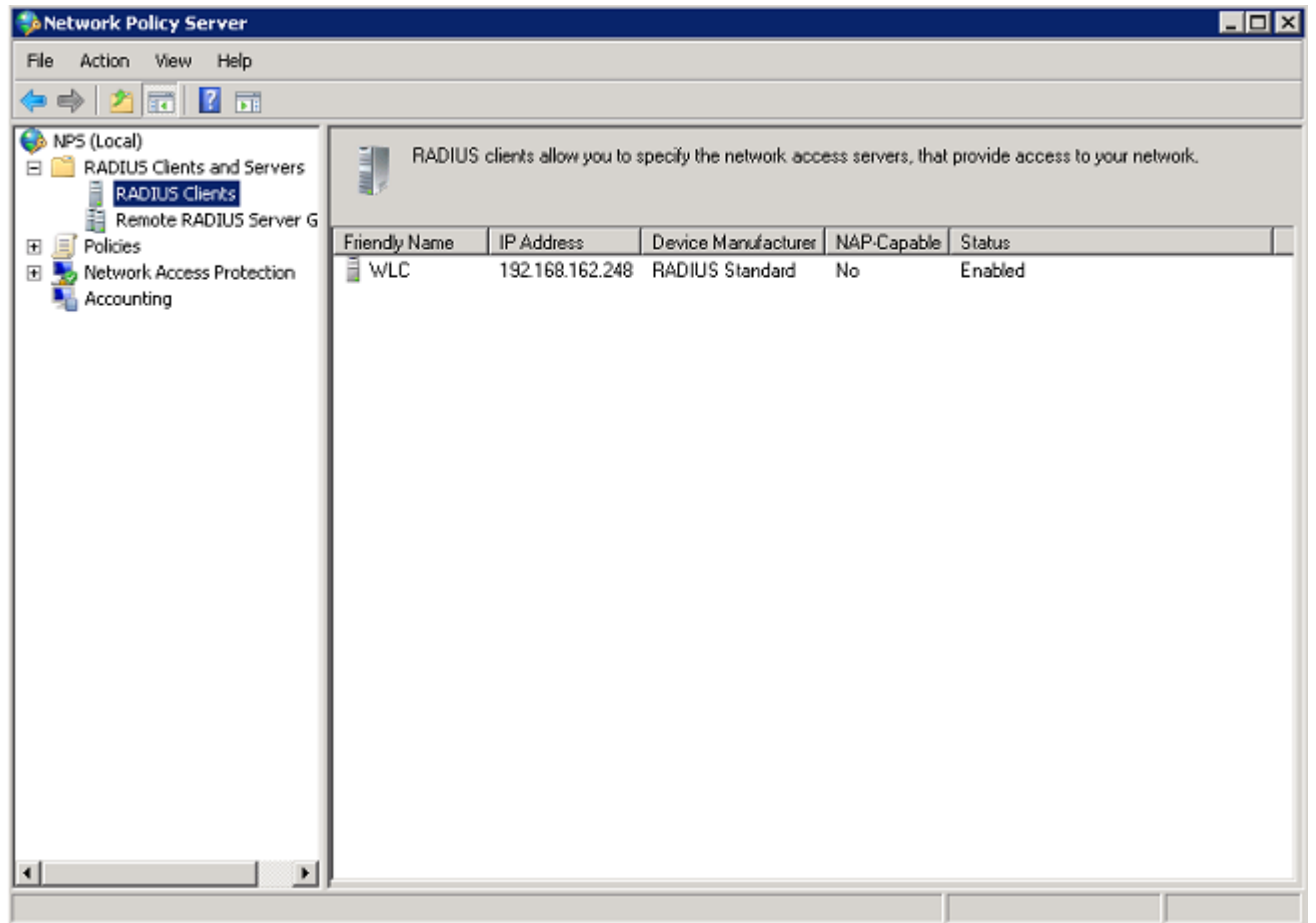
5. ضيوف التالوة قدا صملا لي مع كة كل سلالا ة ل حملا ة كبشلا في مكحتلا ة دحو ة فاضا.
6. رتخاو، RADIUS ءال مع قوف نميألا سواملا رزب رقنا. مداوخو RADIUS ءال مع عيسوتب مق. دي دجل RADIUS لي مع.



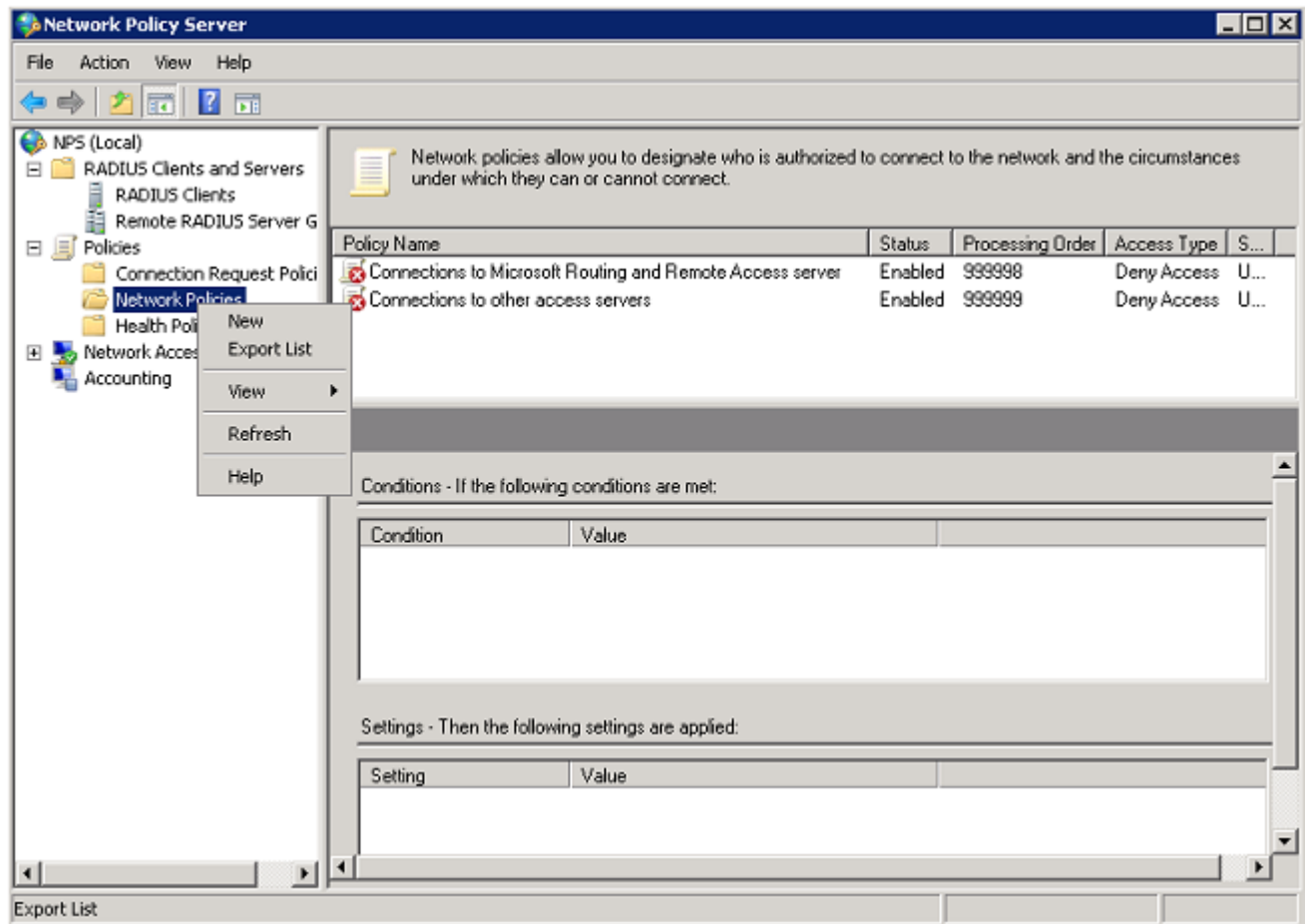
7. اذه في (192.168.162.248) WLC لا نم ناو نع ةرادإلا، (لا اثم اذه في WLC) فولأم مسا تلخد. في مكحتلا رصنع نيوكتل كرتشملا رسلا سفن مادختسا متي. كرتشم رسو (لا اثم WLC) ة كل سلالا ة ل حملا ة كبشلا.



8. عقباسلا ةشاشلا ىلا ةدوعلل قفاوم قوف رقنا.



رقن او، تاسايسال عيسوتب مق. نيكلسالال نيمدختسملل ديدج ةكبش جهن عاشنإ. 9.
ديدج رتخاو، ةكبشال تاسايس قوف نميال سوامال رزب.



ي.ل.ات.ل. ق.وف. ر.ق.ن.او، (الاثم.ل.ا.ذه.ي.ف، ي.ك.ل.س.ال.ل. PEAP) ة.د.ع.ا.ق.ل.ل. ه.ذ.ه.ل. ج.ه.ن. م.س.ا. ل.خ.د.أ. 10.

New Network Policy

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:

Wireless PEAP

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.

☒ Type of network access server:

Unspecified

☐ Vendor specific:

10

Previous Next Finish Cancel

11. مثال الثالث طورش ال هذه فضا، يكلسال ال لاجم ال يمدختس مل طقف حمسي جهن ال اذه لعجل .
يلال قوف رقناو:

- لاجم ال يمدختس م - Windows تاعومجم
- IEEE 802.11 - يكلسال - NAS ذفنم عون
- EAP - عقداصلم ال عون

New Network Policy

Specify Conditions

Specify the conditions that determine whether this network policy is evaluated for a connection request. A minimum of one condition is required.

Conditions:

Condition	Value
Windows Groups	WIRELESS\Domain Users
NAS Port Type	Wireless - IEEE 802.11
Authentication Type	EAP

Condition description:
The Authentication Type condition specifies the authentication methods required to match this policy.

12. قوف رقنا مٲ ،جهنلا اذه قباطت لاصتا تالواحم حنمل حونمملا لوصول قوف رقنا .
يلالتل.

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

13. انامأ لقأ ةقداصم قرط نمض ةقداصملا قرط عي مج لي طعت ب مق.

New Network Policy

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. If you deploy NAP with 802.1X or VPN, you must configure Protected EAP in connection request policy, which overrides network policy authentication settings.

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.
- ☐ Perform machine health check only

Previous

Next

Finish

Cancel

14. PEAP نكمي نأ ok ةق طق طو، PEAP دح، فيضي ةق طق ط.

New Network Policy

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. If you deploy NAP with 802.1X or VPN, you must configure Protected EAP in connection request policy, which overrides network policy authentication settings.

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

EAP Types:

Microsoft: Protected EAP (PEAP)	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.
- ☐ Perform machine health check only

Previous Next Finish Cancel

15. مكدحت الة دحو ةداهش ديدحت نم دكأت . ريرحت رقن او ، (PEAP) يمح م Microsoft: EAP ددح . رقن او ، "ةرداصل الةداهش ال" ةلدسنم الةمئاق ال ي ف اق بس م اهؤاشنإ مت يت ال لاجم لآب قفاوم قوف .

New Network Policy

Edit Protected EAP Properties

Select the certificate the server should use to prove its identity to the client. A certificate that is configured for Protected EAP in Connection Request Policy will override this certificate.

Certificate issued: WIN-MVZ9Z2UMNMS.wireless.com

Friendly name:

Issuer: wireless-WIN-MVZ9Z2UMNMS-CA

Expiration date: 2/9/2014 12:51:57 PM

☒ Enable Fast Reconnect

☐ Disconnect Clients without Cryptobinding

Eap Types

Secured password (EAP-MSCHAP v2)

Move Up

Move Down

Add Edit Remove OK Cancel

☐ User can change password after it has expired

☐ Encrypted authentication (CHAP)

☐ Unencrypted authentication (PAP, SPAP)

☐ Allow clients to connect without negotiating an authentication method.

☐ Perform machine health check only

Previous Next Finish Cancel

16. (يالات ال) Next قوف رقنا .

New Network Policy [X]

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. If you deploy NAP with 802.1X or VPN, you must configure Protected EAP in connection request policy, which overrides network policy authentication settings.

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

EAP Types:

Microsoft: Protected EAP (PEAP)

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.
- ☐ Perform machine health check only

Previous

Next

Finish

Cancel

17. (يلالال) Next قوف رقنا .

New Network Policy

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

18. (يالات ال) Next قوف رقنا .

New Network Policy





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

Network Access Protection

-  NAP Enforcement
-  Extended State

Routing and Remote Access

-  Multilink and Bandwidth Allocation Protocol (BAP)
-  IP Filters
-  Encryption
-  IP Settings

To send additional attributes to RADIUS clients, select a RADIUS standard 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	Value
Framed-Protocol	PPP
Service-Type	Framed

Add...
Edit...
Remove

Previous
Next
Finish
Cancel

19. عاھن| قوف رقنا.

New Network Policy

Completing New Network Policy

You have successfully created the following network policy:

Wireless PEAP

Policy conditions:

Condition	Value
Windows Groups	WIRELESS\Domain Users
NAS Port Type	Wireless - IEEE 802.11
Authentication Type	EAP

Policy settings:

Condition	Value
Authentication Method	EAP
Access Permission	Grant Access
Update Noncompliant Clients	True
NAP Enforcement	Allow full network access
Framed-Protocol	PPP
Service-Type	Framed

To close this wizard, click Finish.

Previous Next Finish Cancel

إلى Active Directory | نيمدختسم ةفاض

تاوطخ لمك أ. Active Directory. على مدختسم ال تانايب ةدعاقب ظافتحال متي، لاثم ال اذه في Active Directory تانايب ةدعاق إلى نيمدختسم ةفاض ال ةيلات ال

1. Start>Administrative قوف رقا. Active Directory Users and Computers. فتح
رتوي بمك ال ةزهج أو Active Directory ومدختسم Tools>
2. عيسوتب مق، رتوي بمك ال ةزهج أو Active Directory نيمدختسم مكحت ةدحو ةرجش في
User رتخاو، Users>New قوف نيمي ال سوام ال رزب رقاو، لاجم ال
3. لاثم ال اذه مدختسم في. كلسال ال مدختسم ال مسا لخدأ، مدختسم - ديدج نئاك ةشاش في
مدختسم ال لوخد ليحست مسا لقح في 1 ليمعلاو لوأل مسالا لقح في 1 ليمعلاو مسا
(اللات ال) Next قوف رقا.

New Object - User

Create in: wireless.com/Users

First name: Client1 Initials:

Last name:

Full name: Client1

User logon name: Client1 @wireless.com

User logon name (pre-Windows 2000): WIRELESS\ Client1

< Back Next > Cancel

4. ەمەك لوقە فەكەرايەتخا نە رورە مەكە لاخەابە مە، مەختەسم - دەجە نەئەكە شەاش فە. نەاخە فە رورە مەكە رەغە نە بچە مەختەسمە نە نە دەكە. رورە مەكە دەكەتە رورە مەكە لەلەلە قوفا نە مە، دەدەم رەغە لوخەدەلە لەجەستەلە لەلەلە رەيەتخەلە.

New Object - User

Create in: wireless.com/Users

Password:

Confirm password:

☐ User must change password at next logon

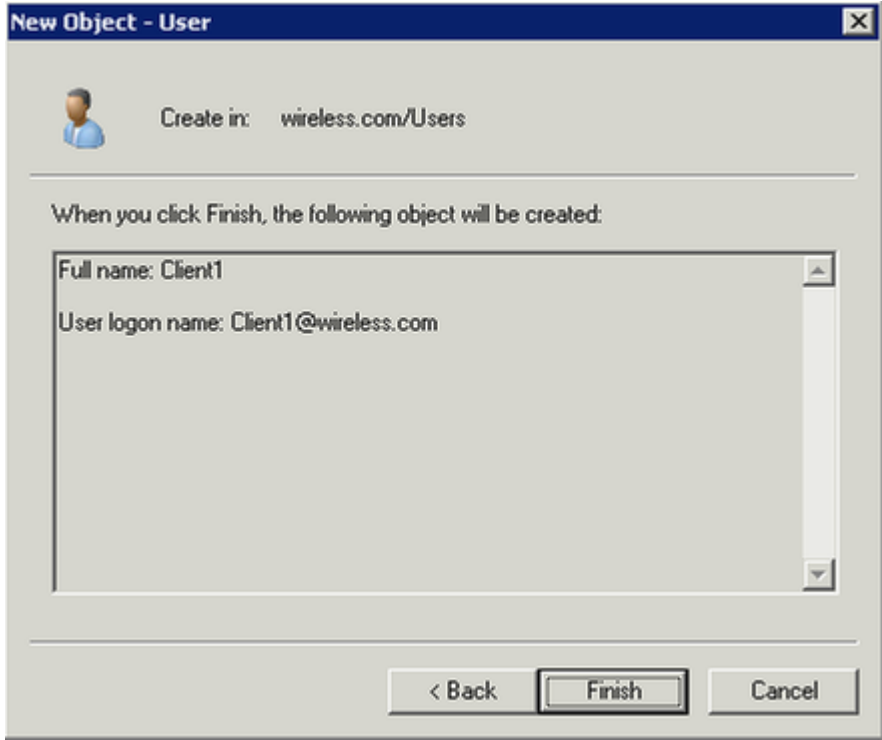
☐ User cannot change password

☐ Password never expires

☐ Account is disabled

< Back Next > Cancel

5. ەاهەنە رورە مە، مەختەسم - دەجە نەئەكە شەاش فە.



6. **ةيفاضا ني مدختسم تاباسح عاش نال 4 لى 2 نم تاوطخل ررك .**

عضولاي ف لوصولا طاقنو ةيكلسالل ةيلحمل ةكبشل اي ف مكحتل ةدحو نيوكت
Lightweight

طاقن و عيكلسالل عيكلالما كبلشلا ف مكحلللا لادو) عيكلسالللا زهجالل نيوكلب مق دادعلا اذل (Lightweight عضلولا ف لوصول

RADIUS وقواعد مل (WLC) ةكل لسل ال ةكل حمل ةكبش ال ف مكحت ال رصنع نوكت

[illegible]

ةحفص RADIUS ةقد اصم > نيمأتلا يف RADIUS مداخل NPS تفصأ steps in order to اذه تمأ:

لبدان ةي وه ةحص RADIUS لا ضرعي نا نراق مكحت زاهجلا نم ةقداصم $RADIUS > \text{نم}$ ا تترتخا. 1. RADIUS مداخ ديدحتل ديدج قوف رقنا. ةحص

Save Configuration | Ping | Logout | Refresh

MONITOR WLANs CONTROLLER WIRELESS **SECURITY** MANAGEMENT COMMANDS HELP FEEDBACK

Security

AAA
General
RADIUS
Authentication
Accounting
Fallback
TACACS+
LDAP
Local Net Users
MAC Filtering
Disabled Clients
User Login Policies
AP Policies
Password Policies
Local EAP
Priority Order
Certificate
Access Control Lists
Wireless Protection Policies
Web Auth
TrustSec SXP
Advanced

RADIUS Authentication Servers

Apply New...

Call Station ID Type [i](#) IP Address

Use AES Key Wrap ☐ (Designed for FIPS customers and requires a key wrap compliant RADIUS server)

MAC Delimiter Hyphen

Network User	Management	Server Index	Server Address	Port	IPSec	Admin Status
1. Call Station ID Type will be applicable only for non 802.1x authentication only.						

2. إرسال RADIUS مداخل IP ناو نع تامل عمل هذه نمضتتو. RADIUS مداخل تامل عم ديدحتب مق. ككشال مدختسمب ةصاخال رايتخال تاناخ دحت. مداخل ةلاحو ذفنمالم مقرو كرتشملا ةرادإل ايمدختسم يل ع قبطنت RADIUS إلى ةدنتسملا ةقداصملا تناك اذا ام اهتراداو IP ناو نع ب RADIUS مداخل NPS لاثمالم اذه مدختسي. (ةيكلسالل). ةكشالو 192.168.162.12 ققبطت قوف رقنا.

Save Configuration | Ping | Logout | Refresh

MONITOR WLANs CONTROLLER WIRELESS **SECURITY** MANAGEMENT COMMANDS HELP FEEDBACK

Security

AAA
General
RADIUS
Authentication
Accounting
Fallback
TACACS+
LDAP
Local Net Users
MAC Filtering
Disabled Clients
User Login Policies
AP Policies
Password Policies
Local EAP
Priority Order
Certificate
Access Control Lists
Wireless Protection Policies
Web Auth
TrustSec SXP
Advanced

RADIUS Authentication Servers > New

< Back Apply

Server Index (Priority) 1

Server IP Address 192.168.162.12

Shared Secret Format ASCII

Shared Secret

Confirm Shared Secret

Key Wrap ☐ (Designed for FIPS customers and requires a key wrap compliant RADIUS server)

Port Number 1812

Server Status Enabled

Support for RFC 3576 Enabled

Server Timeout 2 seconds

Network User ☒ Enable

Management ☒ Enable

IPSec ☐ Enable

عالم لـ WLAN ةكبش نيوكت

اذه في .نويكلسالل عالم ال هب لصتي يذلا (WLAN) (SSID) ةمدخلل ةومجم فرعم نيوكت PEAP. هتي مستب مق م ث SSID، عاشناب مق ،لا ثمل

ةقداصم ارجا نم عالم ال نكمتي تحت WPA2 اهنأ لى 2 ةقبطلا ةقداصم فيرعتب مق مدقتمل ريفشتل رايعم مدختساو (لا ثمل اذه في PEAP-MS-CHAP v2) EAP لى دن تست يضا رتفال اءضو دن ع ىخال ميقل لك كرتأ . ريفشت ةيلاك (AES)



تاكبش كي دل نوكي ام دن ع . ةرادال تاهجاوب WLAN ةكبش دن تسمل اذه طبري : ةطحال م فرعمب اهطبرو ةلصف نم VLAN ةكبش عاشناب كنكمي ، ك تكبش في ةددعتم VLAN يكلسال لى VLANs ، WLCs لى VLANs لكشي نأ فيكي لى ةمولعمل تلحا . SSID. لا ثمل ليكشت مكحت زاهج lan

WLC: لى لـ WLAN تل كش steps in order to اذه تمتأ

1. درست . WLAN تاكبش ةحفص ضرعل مكحتل ةدحو ةهجاو نم WLAN تاكبش قوف رقنا . م كحتل ةدحو لى ةدوجومل WLAN تاكبش ةحفصل اذه ةكبش لـ WLAN SSID و WLAN فرعم ل خأ . دي دج WLAN تقلخ in order to دي دج ت رتخأ . 2. قيبطت قوف رقناو ، (WLAN) ةيكلسالل ةيلحمل

3. ةيلاتل تاوطلال لمكأ ، 802.1x ل SSID نيوكتل :

1. ةيكلسالل ةيلحمل ةكبش ل نيكم تب مقو ماع بيوبتلل ةمالع قوف رقنا . (WLAN).

WLANs > Edit 'PEAP'

Select AAA servers below to override use of default servers on this WLAN

Radius Servers

Radius Server Overwrite interface ☐ Enabled

	Authentication Servers	Accounting Servers
Server 1	<input checked="" type="checkbox"/> Enabled IP:192.168.162.12, Port:1812	<input checked="" type="checkbox"/> Enabled None
Server 2	None	None
Server 3	None	None
Server 4	None	None
Server 5	None	None
Server 6	None	None

Radius Server Accounting

Interim Update ☐

Local EAP Authentication

Local EAP Authentication ☐ Enabled

LDAP Servers

Server 1

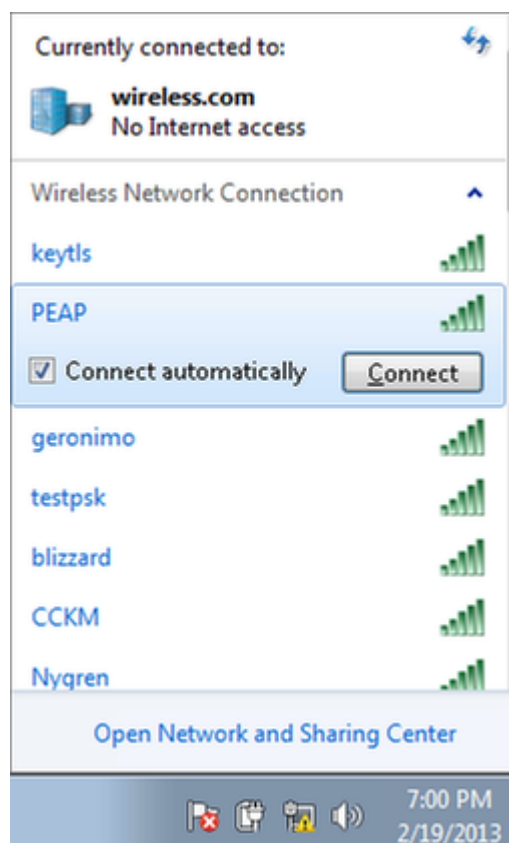
Server 2

Server 3

PEAP-MS-CHAP v2 ةقدا صمل يكل سلالا ءالمع نيوكت

Windows Zero Config ةادأ مادختساب يكل سلالا ليمعلا نيوكتل ةيلاتلا تاوطخلا لمكأ ةيكل سلالا ةيلحملا PEAP ةكبشب لاصتاللا

1. لىصوت رقناو، SSID PEAP لىل رقنا. ماهملا طيرش في ةكبشلا زمر لىل رقنا.



2. ةكبشلاب الصتم نآلا ليمعلا نوكي نأ بجي .



3. إلعجرا ،ةلكشملا ترمتسإ اذإ . WLAN ةكبشلاب لاصتالا ةداعإ لواحف ،لاصتالا لشف اذإ . اءالصالو اءاخالأ فاشكتسا مسق

ةحصلال نم ققحتلا

ن.نيوكتلا اذه ةحص نم ققحتلل ءارجا آيلاح دجوي ال

اهالصالو اءاخالأ فاشكتسا

تامولعم مسقلا اذه رفوي ف ،(WLAN) ةيكلساللا ةيلحملل ةكبشلاب ليمعلا لصتي مل اذإ .اهالصالو نيوكتلا اءاخالأ فاشكتسال اهمادختسا كنكمي

debug client رملال 802.1x ةقداصم لشف تالاح صيخشتل اهمادختسا نكمي ناتادأ كانه Windows في ثادحأل ضراعو .

ةيكلساللا ةيلحملل ةكبشلاب في مكحتلا رصنع نم ليمع اءاخالأ حيحصت ذيفنتب تمق اذإ حتفا ،ءاخالأ حيحصت ةسلج ادبل .ةمدخلا ىلع رثؤي الو ةريثك دراوم بلطتي ال اذهف ،(WLC) ،(WLC) ةيكلساللا ةيلحملل ةكبشلاب في مكحتلا ةدحوب ةصاخلا (CLI) رماوالأ رطس ةهجاو يكلساللا MAC ناونع وه MAC ناونع نوكي ثيح ،ءاخالأ حيحصت ليمعل MAC ناونع لخدأو لواح ،اذه اءاخالأ حيحصت ليغشت ءانثأ .لاصتالا ىلع رداقلا ريغ يكلساللا ليمعلل لاثم اذهل لثامم ودبي نأ WLC ل نم CLI ىلع جاتنإ كانه نوكي نأ بجي ؛ليمعلا ليصوت

```
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db 192.168.162.136 NRM (20) Changing IPv4 ACL 'none' (ACL ID 255) ==> 'none' (ACL ID 255) --- (caller apf_policy.c:2018)
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db 192.168.162.136 NRM (20) Changing IPv6 ACL 'none' (ACL ID 256) ==> 'none' (ACL ID 256) --- (caller apf_policy.c:2246)
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db In processSsidIE:4205 acting Central switched to TRUE
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db In processSsidIE:4205 apVapId = 1 and Split Acl Id = 65535
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db Applying site-specific Local Bridging override for station 78:e4:00:b2:ef:db - vapId 1, site 'default-group', interface 'management'
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db Applying Local Bridging Interface Policy for station 78:e4:00:b2:ef:db - vlan 243, interface id 0, interface 'management'
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db processSsidIE statusCode is 0 and status is 0
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db processSsidIE moid_dome_flag is 0 finish_flag is 0
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db STA - rates (0): 130 132 133 135 36 48 72 108 12 18 24 96 0 0 0 0
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db suppRates statusCode is 0 and gotSuppRatesElement is 1
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db STA - rates (12): 130 132 133 150 36 48 72 108 12 18 24 96 0 0 0 0
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db setSuppRates statusCode is 0 and gotSuppRatesElement is 1
*apdMsConnTask_2: Feb 19 20:57:07.812: 78:e4:00:b2:ef:db Processing RSN IE type 48, length 40 for mobile 78:e4:00:b2:ef:db
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db Received RSN IE with 0 PMKIDs from mobile 78:e4:00:b2:ef:db
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db Found an cache entry for BSSID c8:f9:f9:1a:20:40 in PMKID cache at index 0 of station 78:e4:00:b2:ef:db
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db Removing BSSID c8:f9:f9:1a:20:40 from PMKID cache of station 78:e4:00:b2:ef:db
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db Re-setting MIB PMK Cache Entry 0 for station 78:e4:00:b2:ef:db
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db Setting active key cache index 0 --> 0
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db updating BkIdValidatedCbAp
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db apfMsConnStateDec
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db apfMsStateDec
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db 192.168.162.136 NRM (20) Change state to START (0) last state NRM (20)
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db pmApfAddMobileStation: APF_M0_PEM_WAIT_13 AUTH_COMPLETE = 0.
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db 192.168.162.136 START (0) Initializing policy
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db Change state to AUTHCHECK (2) last state START (0)
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db 192.168.162.136 AUTHCHECK (2) Change state to O221X_REQD (3) last state AUTHCHECK (2)
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db Not Using NRM Compliance code qncCap 00
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db 192.168.162.136 O221X_RQD (3) Plumbad mobile LWAPP rule on AP c8:f9:f9:1a:20:40 vapId 1 apVapId 1 flex-acl-name:
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db apfFsmAddUser2 (apf_policy.c:276) Changing state for mobile 78:e4:00:b2:ef:db on AP c8:f9:f9:1a:20:40 from Associated to Associated
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db apfFsmAddUser2:session timeout for station 78:e4:00:b2:ef:db - Session Tout 0, apfMTimeOut "0" and sessionTimerRunning flag is 0
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db Stopping deletion of Mobile Station: (callerId: 48)
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db Func: apfFsmAddUser2, Ms Timeout = 0, Session Timeout = 0
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db Sending Assoc Response to station on BSSID c8:f9:f9:1a:20:40 (status 0) ApVapId 1 Slot 0
*apdMsConnTask_2: Feb 19 20:57:07.813: 78:e4:00:b2:ef:db apfProcessAssocReq (apf_o221x.c:7391) Changing state for mobile 78:e4:00:b2:ef:db on AP c8:f9:f9:1a:20:40 from Associated to Associated
*pmdeReceiveTask: Feb 19 20:57:07.817: 78:e4:00:b2:ef:db 192.168.162.136 Removed MPT entry.
*dotixMsgTask: Feb 19 20:57:07.820: 78:e4:00:b2:ef:db Disable ps-auth, use PMK lifetime.
*dotixMsgTask: Feb 19 20:57:07.820: 78:e4:00:b2:ef:db dotix - moving mobile 78:e4:00:b2:ef:db into Connecting state
*dotixMsgTask: Feb 19 20:57:07.820: 78:e4:00:b2:ef:db Sending EAP-Request/Identity to mobile 78:e4:00:b2:ef:db (EAP Id 1)
*dotix_NM_MsgTask_3: Feb 19 20:57:07.838: 78:e4:00:b2:ef:db Received EAPOL START from mobile 78:e4:00:b2:ef:db
*dotix_NM_MsgTask_3: Feb 19 20:57:07.839: 78:e4:00:b2:ef:db dotix - moving mobile 78:e4:00:b2:ef:db into Connecting state
*dotix_NM_MsgTask_3: Feb 19 20:57:07.839: 78:e4:00:b2:ef:db Sending EAP-Request/Identity to mobile 78:e4:00:b2:ef:db (EAP Id 2)
*dotix_NM_MsgTask_3: Feb 19 20:57:07.858: 78:e4:00:b2:ef:db Received EAPOL EAPREQ from mobile 78:e4:00:b2:ef:db
*dotix_NM_MsgTask_3: Feb 19 20:57:07.858: 78:e4:00:b2:ef:db Received EAP Response packet with mismatching id (currentId=2, apId=1) from mobile 78:e4:00:b2:ef:db
*dotix_NM_MsgTask_3: Feb 19 20:57:07.858: 78:e4:00:b2:ef:db Received EAPOL EAPREQ from mobile 78:e4:00:b2:ef:db
*dotix_NM_MsgTask_3: Feb 19 20:57:07.858: 78:e4:00:b2:ef:db Received Identity Response (count=2) from mobile 78:e4:00:b2:ef:db
*dotix_NM_MsgTask_3: Feb 19 20:57:07.858: 78:e4:00:b2:ef:db EAP State update from Connecting to Authenticating for mobile 78:e4:00:b2:ef:db
*dotix_NM_MsgTask_3: Feb 19 20:57:07.858: 78:e4:00:b2:ef:db dotix - moving mobile 78:e4:00:b2:ef:db into Authenticating state
*dotix_NM_MsgTask_3: Feb 19 20:57:07.858: 78:e4:00:b2:ef:db Entering Backend Auth Response state for mobile 78:e4:00:b2:ef:db
*dotix_NM_MsgTask_3: Feb 19 20:57:07.858: 78:e4:00:b2:ef:db Processing Access-Reject for mobile 78:e4:00:b2:ef:db
*dotix_NM_MsgTask_3: Feb 19 20:57:07.858: 78:e4:00:b2:ef:db Removing PMK cache due to EAP-Failure for mobile 78:e4:00:b2:ef:db (EAP Id -1)
*dotix_NM_MsgTask_3: Feb 19 20:57:07.858: 78:e4:00:b2:ef:db Sending EAP-Failure to mobile 78:e4:00:b2:ef:db (EAP Id -1)
```

WLC ءاطخأ حيحصت ضرعي ،انه misconfiguration. عم تعقو وعي طتسي نأ رادصا نم لاثم اذه ينعي امم ،ةقداصملا ةلاح ىلإ (WLC) ةيكللساللا ةيحملما ةكبشلا يف مكحتلا رصنع لقن طاقن نم ةباجتسا رظتني (WLC) ةيكللساللا ةيحملما ةكبشلا يف مكحتلا رصنع نأ كنكمي. NPS وأ WLC ىلع حيحص ريغ كترتشم رس ببسب كلذ نوكي ام ةداع. (NPS) لوصولو بلطلا لاسرا متي مل ،لجس ىلع رثعت مل اذإ. Windows Server ثادحأ ضراع لالخ نم كلذ ديكتأ ىلإ NPS.

NPS نأ لوصولو ضفر رهطي. access-reject. وه WLC ءاطخأ حيحصت نم هيلى روثعل مت رخآ لاثم لوصولو ضفر ىقلى لي مع ىلع لاثم اذه. اهضفرو لي مع ل دامتعا تانايب ملتسا

```
*dotixMsgTask: Feb 19 21:28:20.689: 78:e4:00:b2:ef:db Sending EAP-Request/Identity to mobile 78:e4:00:b2:ef:db (EAP Id 1)
*Dotix_NM_MsgTask_3: Feb 19 21:28:20.699: 78:e4:00:b2:ef:db Received EAPOL START from mobile 78:e4:00:b2:ef:db
*Dotix_NM_MsgTask_3: Feb 19 21:28:20.699: 78:e4:00:b2:ef:db dotix - moving mobile 78:e4:00:b2:ef:db into Connecting state
*Dotix_NM_MsgTask_3: Feb 19 21:28:20.699: 78:e4:00:b2:ef:db Sending EAP-Request/Identity to mobile 78:e4:00:b2:ef:db (EAP Id 2)
*Dotix_NM_MsgTask_3: Feb 19 21:28:24.508: 78:e4:00:b2:ef:db Received EAPOL EAPREQ from mobile 78:e4:00:b2:ef:db
*Dotix_NM_MsgTask_3: Feb 19 21:28:24.508: 78:e4:00:b2:ef:db Received Identity Response (count=2) from mobile 78:e4:00:b2:ef:db
*Dotix_NM_MsgTask_3: Feb 19 21:28:24.508: 78:e4:00:b2:ef:db EAP State update from Connecting to Authenticating for mobile 78:e4:00:b2:ef:db
*Dotix_NM_MsgTask_3: Feb 19 21:28:24.508: 78:e4:00:b2:ef:db dotix - moving mobile 78:e4:00:b2:ef:db into Authenticating state
*Dotix_NM_MsgTask_3: Feb 19 21:28:24.508: 78:e4:00:b2:ef:db Entering Backend Auth Response state for mobile 78:e4:00:b2:ef:db
*Dotix_NM_MsgTask_3: Feb 19 21:28:24.519: 78:e4:00:b2:ef:db Processing Access-Reject for mobile 78:e4:00:b2:ef:db
*Dotix_NM_MsgTask_3: Feb 19 21:28:24.520: 78:e4:00:b2:ef:db Removing PMK cache due to EAP-Failure for mobile 78:e4:00:b2:ef:db (EAP Id -1)
*Dotix_NM_MsgTask_3: Feb 19 21:28:24.520: 78:e4:00:b2:ef:db Sending EAP-Failure to mobile 78:e4:00:b2:ef:db (EAP Id -1)
```

Windows Server ثادحأ تالجس ىلع ةدوجوملا تالجسلا نم ققحت ،لوصولو ضفر ىرت ام دنع لوصولو ضفر مادختساب لي مع لىل NPS ةباجتسا ببس ديحتل.

يف حضوم وه امك ،لي مع ل ءاطخأ حيحصت يف لوصولو لوبق ىلع ةحجانلا ةقداصملا يوتحت لاثملا اذه:

```
*dot1dMagTask: Feb 19 21:33:14.576: 78:e4:00:b2:ef:db Sending EAP-Request/Identity to mobile 78:e4:00:b2:ef:db (EAP Id 1)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.596: 78:e4:00:b2:ef:db Received EAPOL START from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.596: 78:e4:00:b2:ef:db dot1x - moving mobile 78:e4:00:b2:ef:db into Connecting state
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.596: 78:e4:00:b2:ef:db Sending EAP-Request/Identity to mobile 78:e4:00:b2:ef:db (EAP Id 2)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.601: 78:e4:00:b2:ef:db Received EAPOL EAPFRT from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.601: 78:e4:00:b2:ef:db Received EAP Response packet with mismatching id (currentid=2, eapid=1) from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.611: 78:e4:00:b2:ef:db Received EAPOL EAPFRT from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.611: 78:e4:00:b2:ef:db Received Identity Response (count=2) from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.611: 78:e4:00:b2:ef:db EAP State update from Connecting to Authenticating for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.611: 78:e4:00:b2:ef:db dot1x - moving mobile 78:e4:00:b2:ef:db into Authenticating state
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.611: 78:e4:00:b2:ef:db Entering Backend Auth Response state for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.643: 78:e4:00:b2:ef:db Processing Access-Challenge for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.643: 78:e4:00:b2:ef:db Entering Backend Auth Req state (id=3) for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.643: 78:e4:00:b2:ef:db Sending EAP Request from AAA to mobile 78:e4:00:b2:ef:db (EAP Id 3)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.661: 78:e4:00:b2:ef:db Received EAPOL EAPFRT from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.661: 78:e4:00:b2:ef:db Received EAP Response from mobile 78:e4:00:b2:ef:db (EAP Id 3, EAP Type 25)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.661: 78:e4:00:b2:ef:db Entering Backend Auth Response state for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.663: 78:e4:00:b2:ef:db Processing Access-Challenge for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.663: 78:e4:00:b2:ef:db Entering Backend Auth Req state (id=4) for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.663: 78:e4:00:b2:ef:db Sending EAP Request from AAA to mobile 78:e4:00:b2:ef:db (EAP Id 4)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.674: 78:e4:00:b2:ef:db Received EAPOL EAPFRT from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.674: 78:e4:00:b2:ef:db Received EAP Response from mobile 78:e4:00:b2:ef:db (EAP Id 4, EAP Type 25)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.674: 78:e4:00:b2:ef:db Entering Backend Auth Response state for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.683: 78:e4:00:b2:ef:db Processing Access-Challenge for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.683: 78:e4:00:b2:ef:db Entering Backend Auth Req state (id=7) for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.683: 78:e4:00:b2:ef:db WARNING: updated EAP-Identifier 4 ==> 7 for STA 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.706: 78:e4:00:b2:ef:db Sending EAP Request from AAA to mobile 78:e4:00:b2:ef:db (EAP Id 7)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.706: 78:e4:00:b2:ef:db Received EAPOL EAPFRT from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.706: 78:e4:00:b2:ef:db Received EAP Response from mobile 78:e4:00:b2:ef:db (EAP Id 7, EAP Type 25)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.706: 78:e4:00:b2:ef:db Entering Backend Auth Response state for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.709: 78:e4:00:b2:ef:db Processing Access-Challenge for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.709: 78:e4:00:b2:ef:db Entering Backend Auth Req state (id=8) for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.709: 78:e4:00:b2:ef:db Sending EAP Request from AAA to mobile 78:e4:00:b2:ef:db (EAP Id 8)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.721: 78:e4:00:b2:ef:db Received EAPOL EAPFRT from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.721: 78:e4:00:b2:ef:db Received EAP Response from mobile 78:e4:00:b2:ef:db (EAP Id 8, EAP Type 25)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.721: 78:e4:00:b2:ef:db Entering Backend Auth Response state for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.726: 78:e4:00:b2:ef:db Processing Access-Challenge for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.726: 78:e4:00:b2:ef:db Entering Backend Auth Req state (id=9) for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.726: 78:e4:00:b2:ef:db Sending EAP Request from AAA to mobile 78:e4:00:b2:ef:db (EAP Id 9)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.738: 78:e4:00:b2:ef:db Received EAPOL EAPFRT from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.738: 78:e4:00:b2:ef:db Received EAP Response from mobile 78:e4:00:b2:ef:db (EAP Id 9, EAP Type 25)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.738: 78:e4:00:b2:ef:db Entering Backend Auth Response state for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.745: 78:e4:00:b2:ef:db Processing Access-Challenge for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.746: 78:e4:00:b2:ef:db Entering Backend Auth Req state (id=10) for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.746: 78:e4:00:b2:ef:db Sending EAP Request from AAA to mobile 78:e4:00:b2:ef:db (EAP Id 10)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.752: 78:e4:00:b2:ef:db Received EAPOL EAPFRT from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.752: 78:e4:00:b2:ef:db Received EAP Response from mobile 78:e4:00:b2:ef:db (EAP Id 10, EAP Type 25)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.752: 78:e4:00:b2:ef:db Entering Backend Auth Response state for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.758: 78:e4:00:b2:ef:db Processing Access-Challenge for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.758: 78:e4:00:b2:ef:db Entering Backend Auth Req state (id=11) for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.758: 78:e4:00:b2:ef:db Sending EAP Request from AAA to mobile 78:e4:00:b2:ef:db (EAP Id 11)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.770: 78:e4:00:b2:ef:db Received EAPOL EAPFRT from mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.770: 78:e4:00:b2:ef:db Received EAP Response from mobile 78:e4:00:b2:ef:db (EAP Id 11, EAP Type 25)
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.770: 78:e4:00:b2:ef:db Entering Backend Auth Response state for mobile 78:e4:00:b2:ef:db
*Dot1d_NW_MagTask_3: Feb 19 21:33:14.781: 78:e4:00:b2:ef:db Processing Access-Accept for mobile 78:e4:00:b2:ef:db
```

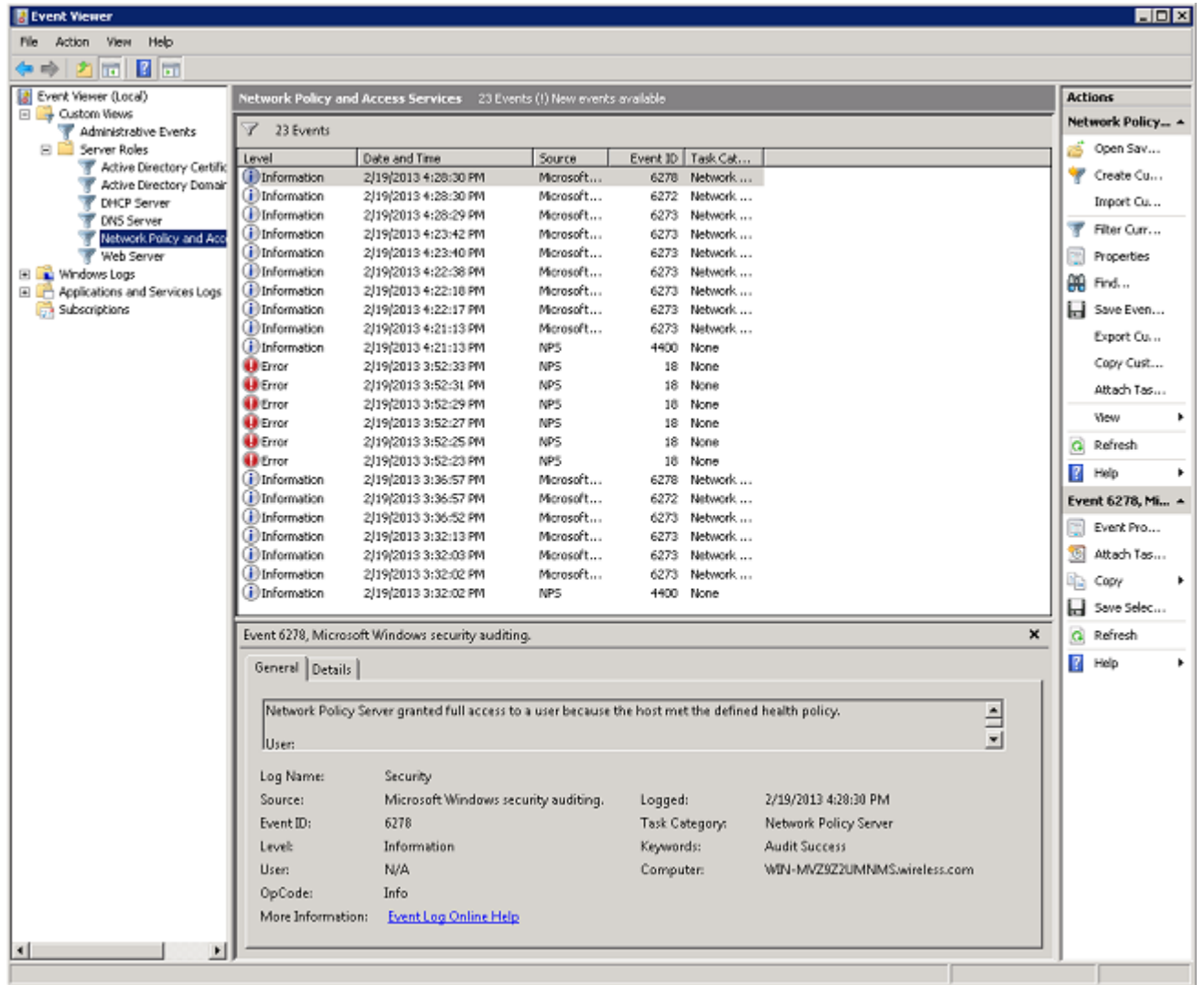
عاجت سائل في نزل له ملاءة تالاحو لوصولو اضفر عاطخاً فاشكتسأ في بغرت تنك اذا
 كيشل في مكحتل رصنع لمعت. RADIUS مداخل لوصولو بلطتي اذهف، اهل الصاو
 RADIUS مداخلو لي مغل ني ب EAP لئاسر ريرمتب موقفي قدصمك (WLC) في كلساللا في لحمل
 هصخيشتو عاجت سالا وأ لوصولو اضفر له ملب بيحتسي في ل RADIUS مداخل صحت في
 RADIUS مداخل عمنصملا كرشللا قلساوب



عصاخلا RADIUS مداخل في نفل معدلا (TAC) في نفل ادعاسملا زكرم رفوي ال: عطلال م
 ببس ماع لكشب RADIUS مداخل لىل عودجومل تالچسلل حضوت، كلذ عمو؛ في چراخ تاهج
 له لاجت وأ لي مغل بلط اضفر

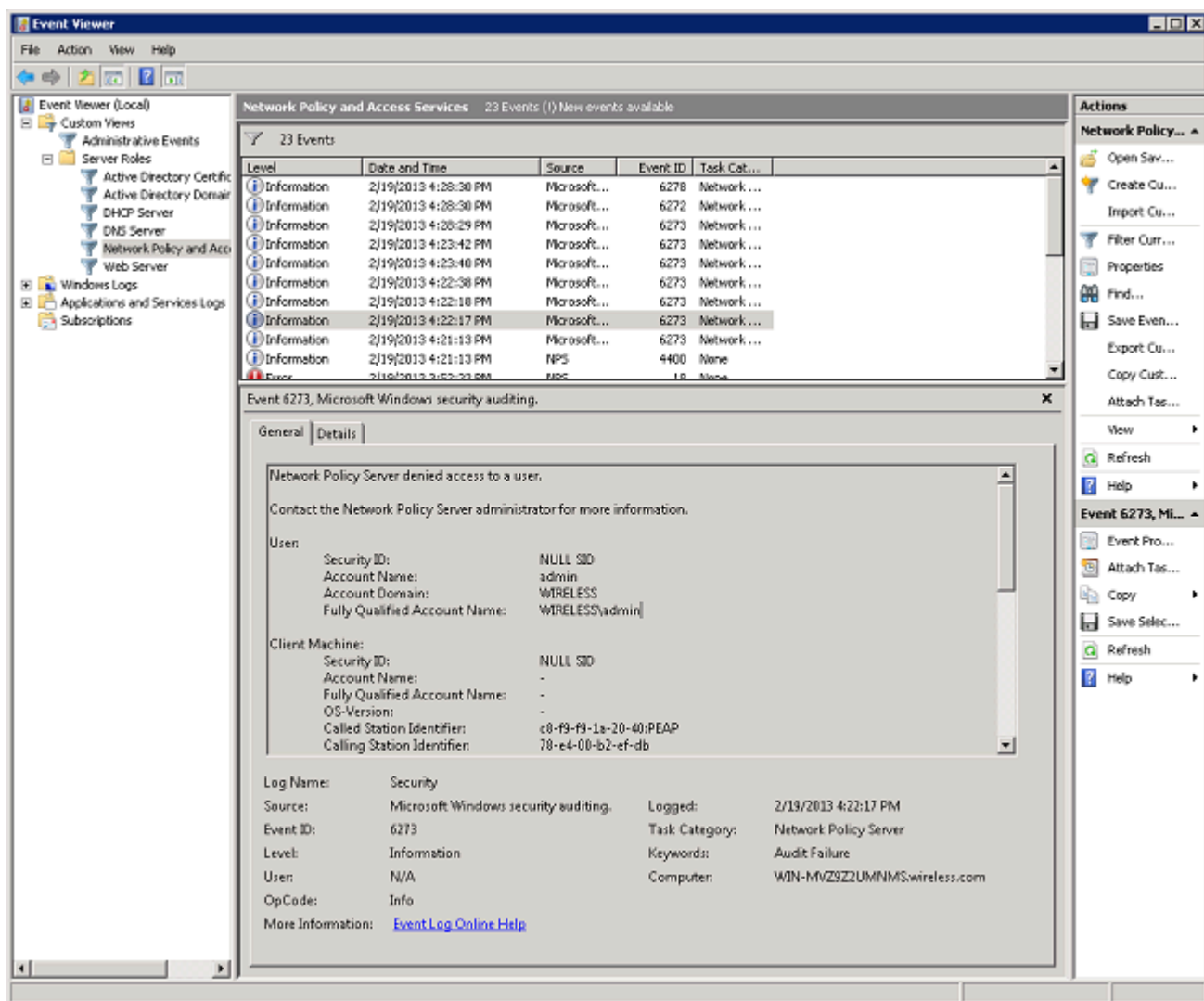
مق، اهل الصاو NPS نم عاجت سالا له ملاءة تالاحو لوصولو اضفر عاطخاً فاشكتسالا
 مداخل لىل ع "Windows ثادلأ ضراع" في NPS تالچس صحت في

1. NPS تالچس عجارمو ثادلأ ضراع ادبل ثادلأ ضراع > لوؤسملا تاودأ > ادبا قوف رقنا 1.
2. اهل لوصولو كيشللا هن > مداخل راودأ > عصصملا ضرللا قرت عيسوتب مق 2.



ت. لش فو اهر يرم ت م ت ي ت ل ا ة ق د ا ص م ل ل ت ا ل ج س ك ا ن ه ، ت د ح ل ا ض ر ع ة ق ي ر ط ن م م س ق ل ا ا ذ ه ي ف ن م ل ك ر ه ط ت . ا ه ا ل ص ا و ة ق د ا ص م ل ل ل ي م ع ل ا ر ي ر م ت م د ع ا ط خ أ ف ا ش ك ت س ا ل ت ا ل ج س ل ا ه ذ ه ر ب ت خ ا ر ب ع ر ي ر م ت ل ا ب م ق . ت ا م و ل ع م ا ه ن ا ي ل ع ة ل ش ا ف ل ا ة ق د ا ص م ل ا و ا ه ر ي ر م ت م ت ي ت ل ا ة ق د ا ص م ل ا ل و ص و ل ا ض ف ر م ل ت س ا و ة ق د ا ص م ل ا ي ف ل ش ف ي ذ ل ا م د خ ت س م ل ا م س ا ي ل ع ر و ث ع ل ل ت ا ل ج س ل ا (WLC) ة ي ك ل س ا ل ل ا ة ي ل ح م ل ا ة ك ب ش ل ا ي ف م ك ح ت ل ا ر ص ن ع ا ط خ أ ح ي ح ص ت ي ل ع ا ن ب

ذ: ن م ل م ع ت س م و ه ر ك ن ي ا م د ن ع NPS ن م ل ا ث م ا ذ ه

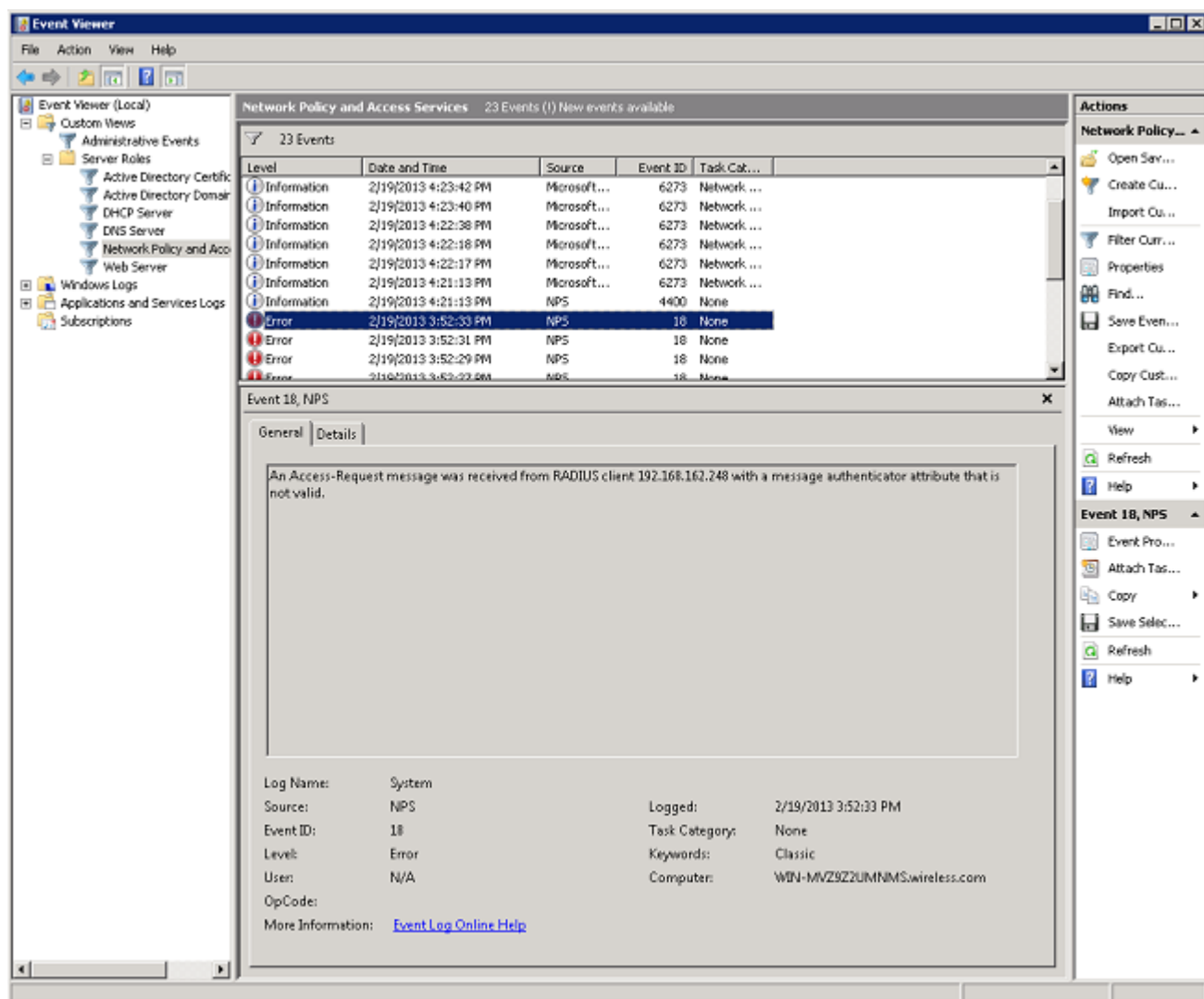


ةقداصملا لىصافت مسق صحفب مق ،ثادحألا ضراع يف ضفر ةلمج ةعجارمب موقت امدنع ريغ مدختسم مسا ببسب مدختسملا لوصو تضفر NPS نأ ىرت نأ كنكمي ،لاثملا اذه يف حيحص:

Authentication Details:
 Proxy Policy Name: Use Windows authentication for all users
 Network Policy Name: -
 Authentication Provider: Windows
 Authentication Server: WIN-MVZ9Z2UMNMS.wireless.com
 Authentication Type: EAP
 EAP Type: -
 Account Session Identifier: -
 Reason Code: 8
 Reason: The specified user account does not exist.

مل اذا اءالصل او اءاخألا فاشكتسأ لىل اءاتحت امدنع NPS لىل ءءال ضرع ءعاسي امك ءءءي . NPS نم ءءاءتسأ (WLC) ءيكللساللا ءيكللملا ءكبشلا يف مكءءالا ءءو ملءتست WLC و NPS ني ب ءيحص ريغ كءءشم رس ببسب ءءاع كلل ءل

ءيكللساللا ءيكللملا ءكبشلا يف مكءءالا رصنع نم بلطال NPS ضفرت ،لاثملا اذه يف ءيحص ريغ كءءشم رس ببسب (WLC):



قلمی تاڈ تامولعم

- [Cisco نم تالیزن تالو ینفلا معدلا](#)

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 چ 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 ا و ا م ك ة ق ي ق د ن و ك ت ن ل ة ي ل آ ة م چ 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 چ 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 چ 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 چ 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