WLC عم (LSC) ةيلحملا ةيمەألا تاذ تاداەشلا Windows Server 2012 نيوكت لاثمو

تايوتحملا

مدق ملا قي ساس ألبا ت ابل ط ت مل ت ابل ط ت مل ت ابل ط ت مل م دخت س مل ا ت ان وك مل ن ي وك ت ل ن ي وك ت ل

ةمدقملا

(WLC) مكحت زاهج lan يكلسال عم (LSC) ايلحم ةماه تاداهش لكشي نأ فيك ةقيثو اذه فصي (WLC) مكحت زاهج lan يكلسال عم (WLC) ويا تودنيو تفوسوركيام تبكر اثيدح و

عتمتت نأ بجيو طاقنلاا نم ديدعلاا يف ةيقيقحلاا رشنلاا تايلمع فلتخت دق :**قظحالم** متي Microsoft Windows Server 2012 ىلع قدوجوملا تادادعإلاا قفرعمو لماكلا مكحتلاب متي Microsoft نيوكت ذيفنتل Cisco ءالمعل عجرم بلاقك طقف اذه نيوكتلا لاثم ريفوت Windows Server ليغشت لجأ نم هفييكتو مهب صاخلا

ةيساسألا تابلطتملا

تابلطتملا

قىئاثو نم ققحتلاو Microsoft Windows Server يف ەۋارجإ متي رييغت لـك مەفب Cisco يصوت Microsoft يا مزل اذإ قلصلا تاذ Microsoft.

نم رذجلا CA دقف متيس هنأ ثيح ،طيسولا CA عم WLC ىلع LSC معد متي ال :**قظحالم** WLC .طقف طيسولا CA ىلع لصحت مكحتلا ةدحو نأ امب

ةمدختسملا تانوكملا

ةيلاتلا ةيداملا تانوكملاو جماربلا تارادصإ ىلإ دنتسملا اذه يف ةدراولا تامولعملا دنتست

- 7.6 رادصإلا، WLC
- ليغشتا Microsoft Windows Server 2012 R2 ليغ

ةصاخ ةيلمعم ةئيب يف ةدوجوملا ةزهجألاا نم دنتسملا اذه يف ةدراولا تامولعملا ءاشنإ مت. تناك اذإ .(يضارتفا) حوسمم نيوكتب دنتسملا اذه يف ةمدختسُملا ةزهجألاا عيمج تأدب رمأ يأل لمتحملا ريثأتلل كمەف نم دكأتف ،ةرشابم كتكبش.

نيوكتلا

Microsoft Windows Server نيوكت

بجي .اثيدح تبثملا Microsoft Windows Server 2012 ىلع ەۋارجإ مت امك نيوكتلا اذە ضرع متي كنيوكتو كلاجم عم تاوطخلا فييكت.

تازيملاو راودألاا جلاعمل Active Directory لاجم تامدخ تيبثت**.1 ةوطخلا**.

DESTINATION SERVER Select server roles WIN-ODEF7N1GRUB Select one or more roles to install on the elected server. Before You Begin Installation Type Roles Description Server Selection Active Directory Domain Services Α Active Directory Certificate Services (AD DS) stores information about Server Roles Active Directory Domain Services objects on the network and makes Features Active Directory Federation Services this information available to users and network administrators. AD DS AD DS Active Directory Lightweight Directory Services uses domain controllers to give Confirmation Active Directory Rights Management Services network users access to permitted Application Server resources anywhere on the network ≣ through a single logon process. DHCP Server DNS Server Fax Server File and Storage Services (1 of 12 installed) Hyper-V Network Policy and Access Services Print and Document Services Remote Access Remote Desktop Services v < Previous Next >Install Cancel

لاجملاب مكحتلا ةدحو ىل مداخلا ةيقرت بجي ،تيبثتلا دعب **.2 ةوطخلا**.

| a | Add Roles and Features Wizard | |
|---------------------|---|---------------------------------------|
| Installation progre | ess | DESTINATION SERVER WIN-ODEF7N1GRUB |
| Before You Begin | View installation progress | |
| Installation Type | Feature installation | |
| Server Selection | | |
| Server Roles | Configuration required. Installation succeeded on WIN-ODEF7N1GRUB. | |
| Features | Active Directory Domain Services | ^ |
| AD DS | Additional steps are required to make this machine a domain controller. | |
| Confirmation | Promote this server to a domain controller | |
| Results | Group Policy Management | |
| | Remote Server Administration Tools | = |
| | AD DS and AD LDS Tools | |
| | Active Directory module for Windows PowerShell | |
| | AD DS Tools | |
| | AD DS Snap-Ins and Command-Line Tools | |
| | You can close this wizard without interrupting running tasks. View task propage again by clicking Notifications in the command bar, and then Task D Export configuration settings | ogress or open this letails. |
| | < <u>P</u> revious <u>N</u> ext > Cla | Cancel |

تايلمع يف ةداع نكلو ،ةديدج ةباغ نيوكتب موقت كنإف ،ديدج دادعإ اذه نأ امب **.3 ةوطخلا** راتخت تنأ ،انه .لاجملاب مكحتلا ةدحو ىلع ةطاسبب طاقنلا هذه نيوكتب مق ،ةدوجوملا رشنلا اضيأ (DNS) لاجملا مسا مداخ ةزيم طيشنت ىلإ اذه يدؤي .لاجم LSC2012.com لا

ىلا ةفاضالاب (CA) قدصملا عجرملا ةمدخ تيبثتب مق ،ليغشتلا ةداعا دعب **.4 ةوطخلا** بيولا ليجست.



- 0 X

DESTINATION SERVER WIN-ODEF7N1GRUB.LSC2012.com

| Before You Begin | Select the role services to install for Active Directory Certifica | ate Services |
|-----------------------|--|--|
| Installation Type | Role services | Description |
| Server Selection | Cartification Authority | Certification Authority Web |
| Server Roles | Certificate Enrollment Policy Web Service | Enrollment provides a simple Web |
| Features | Certificate Enrollment Web Service | perform tasks such as request and |
| AD CS | Certification Authority Web Enrollment | renew certificates, retrieve certificate |
| Role Services | Network Device Enrollment Service | smart card certificates. |
| Web Server Role (IIS) | Online Responder | |
| Role Services | | |
| Confirmation | | |
| Results | | |
| | | |
| | k | |
| | Ť | |
| | | |
| | | |
| | | |
| | < <u>P</u> revious <u>N</u> e | ext > Install Cancel |

.اەنيوكتب مق**.5 ةوطخلا**

Select role services

| ۵. | Add Roles and Features Wizard | D X |
|-----------------------|--|----------------------|
| Installation progre | DESTINATION SS WIN-ODEF7N1GRUB.LSC | N SERVER 2012.com |
| Before You Begin | View installation progress | |
| Installation Type | Feature installation | |
| Server Selection | | |
| Server Roles | Configuration required. Installation succeeded on WIN-ODEF7N1GRUB.LSC2012.com. | |
| Features | Active Directory Certificate Services | ^ |
| AD CS | Additional steps are required to configure Active Directory Certificate Services on the | |
| Role Services | destination server | = |
| Web Server Role (IIS) | Certification Authority | |
| Role Services | Certification Authority Web Enrollment | |
| Confirmation | Remote Server Administration Tools | |
| Results | Role Administration Tools | |
| | Active Directory Certificate Services Tools | |
| | Web Server (IIC) | |
| | web Server (IIS) | • |
| | You can close this wizard without interrupting running tasks. View task progress or ope page again by clicking Notifications in the command bar, and then Task Details. | n this |
| | Export configuration settings | |
| | < Previous Next > Close (| Cancel |

يضارتفاك ءيش لك كرتاو ةسسؤملل قدصملا عجرملا رتخأ **.6 ةوطخلا**

| a | AD CS Configuration | |
|--|--|---|
| Role Services | | DESTINATION SERVER WIN-ODEF7N1GRUB.LSC2012.com |
| Credentials Role Services Setup Type CA Type Private Key Cryptography CA Name Validity Period Certificate Database Confirmation | Select Role Services to configure Certification Authority Certification Authority Web Enrollment Online Responder Network Device Enrollment Service Certificate Enrollment Web Service Certificate Enrollment Policy Web Service |] |
| Progress Results | More about AD CS Server Roles | <u>Configure</u> |

مرئاق یلع رقنا .7 موطخلا Microsoft Windows/Start.

يرادإ ةادأ ةقطقط .8 ةوطخلا.

رتويبمكلا ةزەجأو Active Directory يمدختسم قوف رقنا .9 ةوطخلا

نﺉاك رتځاو ،Users دلجملا قوف نميألا سواملا رزب رقناو ،لاجملا عيسوتب مق .10 ةوطځلا مدختسم < ديدج.

| | New Object - User | X |
|--|--|---|
| File Action View Help | Create in: LSC2012.com/Users | |
| Saved Queries Subscript Science LSC2012.com Euiltin Computers Computers Domain Controllers | First name: AP Initials: Last name: USERI Full name: AP USER | |
| ForeignSecurityPrincipa Managed Service Accou Users | User logon name: APUSER @LSC2012.com ✓ User logon name (pre- <u>W</u> indows 2000): LSC2012\ APUSER | |
| | < Back Next > Cancel | |
| < III > | Protected Us Security Group Members of this group RAS and IAS Security Group Servers in this group can Read-only D Security Group Members of this group Schema Ad Security Group Designated administrato WinRMRem Security Group Members of this group | |

مدختسملا ريرحت ،اهئاشنإ درجمب ،كيلع بجيو .APUSER **ىمسي ،لاثملا اذه يف 11 ةوطخلا** IIS_IUSRS ةعومجم يف اوضع اهلعجو ،"**يف وضع** بيوبتلا ةمالع قوف رقنلاو

يه ةبولطملا مدختسملا قوقح تانييعت:

ايلحم لوخدلا ليجستب حامسلا -

ةمدخك لوخدلا ليجست -

| b | AD CS Configuration | _ _ × |
|--|--|--|
| Role Services | | DESTINATION SERVER WIN-ODEF7N1GRUB.wlaaan2012.com |
| Credentials Role Services Service Account for NDES RA Information Cryptography for NDES Confirmation Progress Results | Select Role Services to configure Certification Authority Certification Authority Web Enrollment Confine Responder Certificate Enrollment Service Certificate Enrollment Policy Web Service Certificate Enrollment Policy Web Service | |
| | < <u>P</u> revious <u>N</u> er | xt > Configure Cancel |

ال ةمدخ باسحك ،لاثملا اذه يف IIS_USRS، **APUSER** ةعومجمب صاخلا باسحلا وضع رتخأ • NDES.

.ةيرادإلاا تاودألاا ىلإ لقتنا **.13 ةوطخلا**

(IIS). تنرتنإلا تامولعم تامدخ قوف رقنا .14 ةوطخلا

.CERT SRV < يضارتفالا بيولا عقوم < عقاوملا < مداخلا عيسوتب مق 15 ةوطخلا

ةقداصملا نيكمت نم دكأت .**ةقداصملا** قوف رقنا ،mscep_admin وmscep ن**م لكل .16 ةوطخلا** .ةلوهجملا

ريدم نأ نم دكأت .**نيرفوملا** رتخاو **Windows ةقداصم** قوف نميألا سواملا رزب رقنا **.17 ةوطخلا** NT LAN (NTLM) يةمئاقلا يف لوألا وه (NTLAN (NTLM).

ليجست لوكوتورب عقوتي الإو ،لجسلا تادادعا يف ةقداصملا يدحت ليطعتب مق **.18 ةوطخلا** يف مكحتلا رصنع اهمعدت ال يتلاو ،يدحتلا رورم ةملك ةقداصم (SCEP) طيسبلا ةداهشلا توطخلا .regedit قيبطت حتفا

ىل القتنا. 20 قوطخلا HKEY_LOCAL_MACHINE\SOFTWARE\MICROSOFT\Cryptography\MSCEP\.

0. ىلع EnforcementPassword نييعت .21 ةوطخلا

| đ | | | | Re | gistry Editor | | |
|------|---------|-------------|--------------|-----------------------|-------------------|-----------------|---------------|
| File | Edit | View Favor | rites Help | | | | |
| | | þ 🍌 Adv | anced INF 🔺 | Name | Туре | Data | |
| | | Þ - 퉲 ALG | 5 | ab (Default) | REG_SZ | (value not set) | |
| | | 👪 Allu | JserInstallA | EnforcePassword | REG_DWORD | 0x00000000 (0) | |
| | | 👂 🎳 Assi | istance | | | | |
| | | Þ - 퉲 Aut | hHost ≡ | | | | |
| | | þ - 🕌 Best | tPractices | | | | |
| | | 👂 퉲 Bidl | nterface | | | | |
| | | 👂 - 퉲 Chk | dsk | | | | |
| | | þ 퉲 COI | M3 | | | | |
| | | 🚺 Con | mmand Pro | | N | | |
| | | 🛛 🎍 Cry | ptography | | 13 | | |
| | | Þ- 🌺 🦞 | AutoEnroll | | | | |
| | | Þ- 🏓 🥬 | Calais | | | | |
| | | | CatalogDB | | | | |
| | | | CatDBTem | | | | |
| | | Þ- | Certificate | | | | |
| | | Þ- | Defaults | | | | |
| | | 4- | MSCEP | | | | |
| | | | CAType | | | | |
| | | | Certsin | | | | |
| | | | Enforce | | | | |
| | | | Passwo | | | | |
| | | | | | | | |
| < | | | > | | | | |
| Comp | outer\H | KEY_LOCAL_N | MACHINE\SO | FTWARE\Microsoft\Cryp | tography\MSCEP\Er | forcePassword | Activate Wind |

مىناق ىلع رقنا. 22 قوطخلا Microsoft Windows/Start.

.MMC بتكا .23 ةوطخلا

قدصم عجرم رتخأ .ةفاضإ ةلازإ/ةفاضإ رتخأ ،فلم ةمئاق يف 24 ةوطخلا.

.ةرادا قوف رقناو ةداهشاا بالق دلجم قوف نميألا سواماا رزب رقنا .25 ةوطخاا

ببلاق ةفعاضم رتخاو ،مدختسملا لثم ،دوجوم بلاق قوف نميألا سواملا رزب رقنا .26 ةوطخلا.

| Image: Second state of the second s | |
|--|---------|
| Certificate Templates (WIN-ODE Template Display Name Schema Version Versi Intende Q CA Exchange 2 106.0 Private Q CEP Encryption 1 4.1 Q Code Signing 1 3.1 Q Computer 1 5.1 Q Cross Certification Authority 2 105.0 Q Domain Controller 1 4.1 Q Domain Controller Authentication 2 110.0 Client A Q EFS Recovery Agent 1 6.1 1 Q Exchange Signature Only 1 7.1 1 Q Exchange Signature Only 1 7.1 1 Q Exchange Signature Only 1 7.1 1 Q Exchange Signature Only 1 6.1 1 Q Exchange Signature Only 1 7.1 1 Q Exchange Signature Only 1 6.1 1 Q EXPS COffline request) | |
| Image: CA Exchange2106.0PrivateImage: CEP Encryption14.1Image: Code Signing13.1Image: Code Signing13.1Image: Computer15.1Image: Computer15.1Image: Computer15.1Image: Code Signing2105.0Image: Code Signing2115.0Image: Code Signing Constraints2115.0Image: Code Signing Constraints14.1Image: Code Signing Constraints16.1Image: Code Signing Computer16.1Image: Code Signing Computer16.1Image: Code Signing Computer16.1Image: Code Signing Code Code Signing Code Signing Code Signing Code Signing Code Code Code Code Signing Code Code Code Signing Code Code Code Code Code Code Code Code | Purp ^ |
| Image: CEP Encryption14.1Image: Code Signing13.1Image: Code Signing13.1Image: Computer15.1Image: Corss Certification Authority2105.0Image: Corss Certification Authority2115.0DirectorImage: Corss Certification Authority2115.0DirectorImage: Corss Certification Authority2115.0DirectorImage: Corss Certification Authority14.111Image: Corss Certification Controller14.111Image: Corss Certification Authority16.111Image: Corss Certification Authority15.111Image: Corss Certification Authority16.111Image: Corss Certification Authority16.111Image: Corss Certification Authority17.111Image: Corss Certification Authority <td>ey Arc</td> | ey Arc |
| Image: Code Signing13.1Image: Computer15.1Image: Corputer15.1Image: Corputer Computer2105.0Image: Corputer Computer Computer14.1Image: Corputer Computer Computer14.1Image: Corputer Computer Computer16.1Image: Corputer Computer Computer16.1Image: Corputer Corputer17.1Image: Corputer Corputer Corputer17.1Image: Corputer Corputer Corputer Corputer17.1Image: Corputer | |
| Image: Computer15.1Image: Cross Certification Authority2105.0Image: Directory Email Replication2115.0DirectoryImage: Domain Controller14.114.1Image: Domain Controller Authentication2110.0Client AImage: Domain Controller Authentication2110.0Client AImage: Domain Controller Authentication2110.0Client AImage: Domain Controller Authentication14.11Image: Domain Controller Agent14.11Image: Domain Controller Agent (Computer)15.11Image: Domain Enrollment Agent (Computer)16.11Image: Domain Enrollment Agent (Computer)16.11Image: Domain Enrollment Agent (Computer)17.11Image: Domain Enrollment Agent (Computer)210.0 <t< td=""><td></td></t<> | |
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| Image: Controller of the second sec | Servi |
| Image: Domain Controller Authentication2110.0Client AImage: EFS Recovery Agent16.11Image: Enrollment Agent (Computer)15.11Image: Enrollment Agent (Computer)16.11Image: Exchange Enrollment Agent (Offline requ)16.11Image: Exchange Signature Only16.111Image: Exchange User17.1111Image: IPSec (Offline request)17.1111Image: IPSec (Offline request)210.0Client A100Image: IPSec (Offline request)3101.00 <t< td=""><td></td></t<> | |
| Image: EFS Recovery Agent16.1Image: Enrollment Agent14.1Image: Enrollment Agent (Computer)15.1Image: Exchange Enrollment Agent (Offline requ)16.1Image: Exchange Signature Only16.1Image: Exchange User17.1Image: Exchange User17.1Image: Image: Posec18.1Image: Image: Image | thent |
| Image: Second | |
| Image: Enrollment Agent (Computer)15.1Image: Exchange Enrollment Agent (Offline requ14.1Image: Exchange Signature Only16.1Image: Exchange User17.1Image: PSec18.1Image: IPSec17.1Image: IPSec (Offline request)17.1Image: IPSec (Offline request)17.1Image: IPSec (Offline request)17.1Image: IPSec (Offline request)110.0Image: IPSec (Offline request)110.0Image: IPSec (Offline request)2105.0Image: IPSec (Offline request)3101.0Image: IPSec Image: Image: IPSec Image: Image: IPSec Image: Imag | |
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| Image: Exchange Signature Only16.1Image: Exchange User17.1Image: IPSec18.1Image: IPSec (Offline request)17.1Image: IPSec (Offline request)110.0Image: IPSec (Offline request)2105.0Image: IPSec (Offline request)3101.0Image: IPSec (Offline request)15.1Image: IPSec (Offline request)14.1Image: IPSec (Offline request)16.1Image: IPSec IPSe | |
| Image User17.1Image User18.1Image IPSec (Offline request)17.1Image Kerberos Authentication2110.0Client AImage Kerberos Authentication2105.0Kerp RecImage Kerp Recovery Agent2105.0Kerp RecImage OCSP Response Signing3101.0OCSP SigningImage RAS and IAS Server2101.0Client AImage Root Certification Authority15.1Image Router (Offline request)14.1Image Router (Offline request)16.1Image Romaticard Logon111.1 | |
| Image: PSec18.1Image: PSec (Offline request)17.1Image: PSec (Offline request)17.1Image: PSec (Offline request)2110.0Image: PSec (Offline request)2105.0Image: PSec (PSec (| |
| Image: PSec (Offline request)17.1Image: Kerberos Authentication2110.0Client AImage: Key Recovery Agent2105.0Key Recovery AgentImage: COSP Response Signing3101.0OCSP SiImage: RAS and IAS Server2101.0Client AImage: RAS and IAS Server2101.0Client AImage: Root Certification Authority15.1Image: Root Certification AuthorityImage: Root Certification Authority14.1Image: Root Certification AuthorityImage: Root Certification Authority16.1Image: Root Certification AuthorityImage: Root Certification Authority16.1Image: Root Certification AuthorityImage: Root Certification Authority111.111.1 | |
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| Image: Register of the second system2105.0Key Record systemImage: Register of the second system3101.0OCSP SigningImage: Register of the second system2101.0Client AImage: Register of the second system15.11Image: Register of the second system14.11Image: Register of the second system16.11Image: Register of the second system111.11 | thent = |
| Image: Constraint of the second sec | very A |
| Image: RAS and IAS Server2101.0Client AImage: Root Certification Authority15.1Image: Root Certification Authority14.1Image: Root Certification Authority14.1Image: Root Certification Authority16.1Image: Root Certification Authority16.1Image: Root Certification Authority111.1 | ning |
| Root Certification Authority15.1Router (Offline request)14.1Smartcard Logon16.1Smartcard User111.1 | thent |
| Image: Router (Offline request)14.1Image: Smartcard Logon16.1Image: Smartcard User111.1 | |
| Image: Smartcard Logon16.1Image: Smartcard User111.1 | |
| Smartcard User 1 11.1 | |
| | |
| Subordinate Certification Authority 1 5.1 | |
| Trust List Signing 1 3.1 | |
| 🗷 User 1 3.1 | |
| User Signathve Only 1 4.1 | |
| R Web Server 1 4.1 | ctiva |
| Workstation Authentication 2 101.0 Client A | thent 🗸 |

Microsoft Windows 2012 R2. نوكيل قدصملا عجرملا رتخأ .27 ةوطخلا

.ةيحالص ةرتفو WLC لثم ضرع مسا فضأ ،"ماع" بيوبتلا ةمالع يف **.28 ةوطخلا**

.**بلطلا يف ديروتلا** ديدحت نم دكأت ،عوضوملا مسا بيوبتلا ةمالع يف **.29 ةوطخلا**

| Р | roperties | of New | Template | × | | | |
|--------------------------|-----------------|--------------|----------------------------|----------------|--|--|--|
| Superseded Ter | nplates | Ext | ensions | Security | | | |
| Compatibility Gener | al Request | Handling | g Cryptography Key Attesta | | | | |
| Subject Name | Ser | ver | Issuance | Requirements | | | |
| Supply in the req | uest | | | | | | |
| Use subject | information fro | om existing | certificates for | autoenrollment | | | |
| renewarrequ | JESIS | | | | | | |
| O Build from this Ad | ctive Directory | / informatio | n | | | | |
| Select this option | to enforce co | onsistency | among subject | names and to | | | |
| simplify certificate | administration | n. Í | | | | | |
| Subject <u>n</u> ame for | mat: | | | | | | |
| None | | | | ~ | | | |
| Include e-mail | name in subj | ect name | | | | | |
| la alcuda deia infan | | | | | | | |
| | nation in alten | nate subje | ct name: | | | | |
| | | | | | | | |
| DNS name | (15) | | | | | | |
| User principal | name (UPN) | | | | | | |
| Service princi | pal name (SP | N) | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
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| | | | | | | | |
| OI | κ (| Cancel | <u>A</u> pply | Help | | | |
| | | | | | | | |

تاسايس كرتب Cisco يصوت .**رادصإلا تابلطتم بيوبتلا ةمالع قوف رقنا .30 ةوطخلا** ةيجذومن ةيمره CA ةئيب يف ةغراف رادصإلاا:

| Supersec | ded Templa | ites | Exte | ensions | | Security | | | |
|--|---------------|-------------|------------|---------------|--------|-----------------|--|--|--|
| Compatibility | General | Request | Handling | Cryptograph | y | Key Attestation | | | |
| Subject Name Server Issuance Requirements | | | | | | | | | |
| Require the following for enrollment: | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| I <u>h</u> is num | ber of auth | orized sigr | natures: | 0 | | | | | |
| lf you re | quire more | than one : | signature, | autoenrollmen | t is i | not allowed. | | | |
| Policy ty | pe required | in signatu | ire: | | | | | | |
| | | | | | | ~ | | | |
| Applicati | on policy: | | | | | | | | |
| | | | | | | ~ | | | |
| l <u>s</u> suance | e policies: | | | | | | | | |
| | | | | | | A <u>d</u> d | | | |
| | | | | | | Perrove | | | |
| | | | | | | Nemove | | | |
| De suiss the s | fellessine fe | | a at i | | | | | | |
| | rollowing ro | rreenroim | ieni. | | | | | | |
| Same cm ○ Valid avia | ena as tor (| enroliment | | | | | | | |
| | | | | | | | | | |
| Allow <u>k</u> ey based renewal | | | | | | | | | |
| Requires subject information to be provided within the certificate request. | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Г | 014 | | . | | | | | | |
| L | OK | | Jancel | Apply | | Help | | | |

قوف رقنا .**ريرحت** مث ،**قيبطتاا جەن**و **تاقحلماا بيوبتاا ةمالع قوف رقنا .31 ةوطخاا** قوف رقناو .قيبطت جەنك ليمعلا ةقداصم ةفاضاٍ نم دكأتو ،**ةفاضاٍ**

| An application policy defines how a certificate can be used. | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| Application policies: Client Authentication Encrypting File System Secure Email | | | | | | | | |
| <u>Add</u> <u>E</u> dit <u>R</u> emove | | | | | | | | |
| OK Cancel | | | | | | | | |

ةمدخ باسح نأ نم دكأت .**..ةفاضا** قوف رقنا مث ،**نامأ بيوبتلا ةمالع قوف رقنا .32 ةوطخلا** .قمدخ تيبثت يف ددحملا SCEP .

| Subject N | Subject Name Server Issuance Requirements | | | | | |
|--|---|----------|------------|--------------|------|-----------------|
| Compatibility | General | Request | Handling | Cryptograph | ıy H | Key Attestation |
| Superseded Templates Extensions Security | | | | | | |
| <u>G</u> roup or use | rnames: | | | | | |
| & Authen | ticated Use | rs | | | | |
| 🔏 Adminis | trator | | | | | |
| 👗 AP USI | ER (APUSE | R@LSC2 | 012.com) | | | |
| 👫 Domain | Admins (L | SC2012\D |)omain Ad | mins) | | |
| 👫 Domain | Users (LS | C2012\Do | main User | rs) | | |
| 👫 Enterpri | ise Admins | (LSC2012 | \Enterpris | e Admins) | | |
| | | | | | à | |
| | | | | A <u>d</u> d | | <u>R</u> emove |

رقنا .قيدصتلا عجرمب ةصاخلا (GUI) ةيموسرلا مدختسملا ةمجاو ةمجاو ىلا قدوعلا **.33 قوطخلا** دارملا قدامشلا بلق < ديدج ىلا لقتنا .**تادامشلا بلاوق ليلد** قوف نميألا سواملا رزب قفاوم قوف رقناو ،اقبسم ەنيوكت مت يذلا WLC بلاق ددح .**مرادص**ا

| · · · · · · · · · · · · | | . nop | | |
|--|---|--|------------------|--------------|
| (= 🔿 🖄 | 📅 🙆 🔒 🛛 📅 | | | _ |
| sole Root | • | Enable Certificate Templates | × | — |
| Certification A Welaaan201 Revoke Ssued Pendir | Select one Certificate Template to Note: If a certificate template that information about this template has All of the certificate templates in th For more information, see <u>Cer</u> | enable on this Certification Authority. was recently created does not appear on this list, you may new s been replicated to all domain controllers. le organization may not be available to your CA. tificate Template Concepts. | ed to wait until | Tem tions |
| Failed | Name | Intended Purpose | ^ | |
| Certifi | Key Recovery Agent OCSP Response Signing | Key Recovery Agent OCSP Signing | | |
| | RAS and IAS Server | Client Authentication, Server Authentication | | |
| | Router (Offline request) | Client Authentication | | |
| | R Smartcard Logon | Client Authentication, Smart Card Logon | | |
| | Smartcard User | Secure Email, Client Authentication, Smart Card Logon | | |
| | Trust List Signing | Microsoft Trust List Signing | = | |
| | W User Signature Only | Secure Email, Client Authentication | - | |
| | | Client Authentication, Secure Email, Encrypting File System | | |
| | Workstation Authentication | Client Authentication *% | ~ | |
| | | | | |
| | | ОК | Cancel | |
| | | | | |
| < - | | III | > | |

< رتويبمكلا تحت لجسلا تادادع! يف يضارتفالا SCEP بلاق رييغتب مق 34. قوطخلا حيتافم رييغتب مق MSCEP. حيتافم رييغتب مق Microsoft > جمانرب < MSCEP. حيتافم رييغتب مق EncryptionTemplate و GeneralPurposeTemplate و SignatureTemplate ينود بلط) بلاط تنم SignatureTemplate.</p>

| đ | | | | | | Re | gistry Edi | tor | | _ _ X |
|--------------|---|--------------|--------------------|----------------|----------|--------------------|------------|------------|------|--------------|
| <u>F</u> ile | <u>E</u> dit | <u>V</u> iew | F <u>a</u> vorites | <u>H</u> elp | • | | | | | |
| | | Þ- | 📙 Advanc | ed INF | ^ | Name | Туре | Data | | |
| | | Þ- | 📕 ALG | | | 赴 (Default) | REG_SZ | (value not | set) | |
| | | | 🗼 AllUserl | nstallA | | EncryptionTem | REG_SZ | WLC | | |
| | | Þ- | Assistan | ice | | 💩 GeneralPurpose | REG_SZ | WLC | | |
| | | Þ- | 📕 AuthHo | st | ≡ | Signature Template | REG_SZ | WLC | | |
| | | Þ- | BestPra | ctices | | 1 | | | | |
| | | Þ- | BidInter | face | | | | | | |
| | | Þ- | Chkdsk | | | | | | | |
| | | ₽- | COM3 | | | | | | | |
| | | | Comma | and Pro | | | | | | |
| | | 4- | Cryptog | Forol | | | | | | |
| | | | Note Cala | JENITON Jie | 1 | | | | | |
| | | | Cata | ulog DB | | | | | | |
| | | | Catf | DBTem | | | | | | |
| | | | b - Cert | ificate | | | | | | |
| | | | b - Defa | ults | | | | | | |
| | | | MSC | EP | | | | | | |
| | | | T (| САТур | | | | | | |
| | | | <u>i</u> (| CertsIn | | | | | | |
| | | |] | Enforce | | | | | | |
| | | |]] | Passwo | | | | | | |
| | | | - L]] (| UseSin | <u>.</u> | | | | | |
| < | | | | > | - | | | | | |
| Comp | Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Cryptography\MSCEP | | | | | | | | | |

ماظنلا ديەمت دعأ **.35 ةوطخلا**.

(WLC) ةيكلساللا ةيلحملا ةكبشلا يف مكحتلا رصنع نيوكت

ةمئاق ىلإ لقتنا ،(WLC) ةيكلساللا ةيلحملا ةكبشلا يف مكحتلا رصنع ىلع **.1 ةوطخلا** ح**اداەش** ىلع رقنا .نامألا – LSC.

.مكحتلا ةدحو يف LSC نيكمت رايتخالاا ةناخ ددح .2 ةوطخلا

متي ،يضارتفا لكشبو .URL ناونع لخدأ Wicrosoft Windows Server 2012 ب صاخلاا URL ناونع لخدأ .**3 ةوطخلاا** ب ەقاحلإ /**certsrv/mscep/mscep.dll**.

مسق يف كب ةصاخلا ليصافتلا لخدأ **.4 ةوطخلا** A

رييغتلا قيبطت **.5 ةوطخلا**.

Local Significant Certificates (LSC)

Key Size

| General | AP Provisioning | | | | | |
|------------------|------------------|--|--|--|--|--|
| | | | | | | |
| Certificate Type | | Status | | | | |
| CA | | Present 🔽 | | | | |
| General | | | | | | |
| Enable L | SC on Controller | \checkmark | | | | |
| CA Server | | | | | | |
| CA serve | r URL | http://10.48.39.197/certsrv/mscep/mscep.dll (Ex: http://10.0.0.1:8080/caserver) | | | | |
| Params | | | | | | |
| Country | Code | BE | | | | |
| State | | Belgium | | | | |
| City | | Brussel | | | | |
| Organiza | ition | Cisco | | | | |
| Departm | ent | R&D | | | | |
| E-mail | | rmanchur@wlaaan.com | | | | |

ريغت نأ بجي .**ةفاضإ** رتخاو يولعلا CA رطس ىلع دوجوملا قرزألا مەسلا قوف رقنا **.6 ةوطخلا** د**وجوم** ٽلإ **دوجوم ريغ** نم ةلاحلا.

2048

"لوصولا ةطقن ريفوت بيوبتلا ةمالع قوف رقنا .7 ةوطخلا

| cisco | MONITOR | WLANs | CONTROLLER | WIRELESS | SECURITY | MANAGEMENT | COMMANDS | HELP | FEEDBACK |
|--|---|------------------|--------------------|----------|----------|------------|----------|------|----------|
| Security | Local Sig | nificant | Certificates (| LSC) | | | | | |
| 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 | General AP Provis Enable Update Numbe | AP Pr sioning | ts to LSC (0 to 25 | 5) 3 | | | | | |
| Certificate LSC SSC | MAC Add | ress | | | | | | | |
| Access Control Lists | | | | | | | | | |
| Wireless Protection Policies | | | | | | | | | |
| ▶ Web Auth | | | | | | | | | |
| TrustSec SXP | | | | | | | | | |
| ▶ Advanced | | | | | | | | | |

ثيدحت رقناو AP ديوزت نمض **enable** رايتخالاا ةناخ ددح **.8 ةوطخلا**.

اەسفن ليغشت ةداعإب تماق دق نكت مل اذإ لوصولا طاقن ليغشت ةداعإب مق **.9 ةوطخلا**.

ةحصلا نم ققحتلا

حيحص لكشب نيوكتلا لمع ديكأتل مسقلا اذه مدختسا.

يف ةداەشلا عونك LSC عم ضرعتو فلخلا ىلإ ،ليغشتلا ةداعا دعب ،لوصولا ةطقن مضنت ةيكلساللا ةمئاقلا.



درجمب قالطإلاا ىلع مامضنالاا MIC ىلإ لوصولا طاقنل نكمي ال ،8.3.112 دعب :**قظحالم** دودجم مادختسإ تاذ "LSC ىلإ لوصولا تالواحم" دادعتلاا ةزيم حبصت كلذل .LSC نيكمت.

اهحالصإو ءاطخألا فاشكتسا

نيوكتلا اذهل امحالصإو ءاطخألا فاشكتسال ةددحم تامولعم أَيلاح رفوتت ال.

ةمجرتاا مذه لوح

تمجرت Cisco تايان تايانق تال نم قعومجم مادختساب دنتسمل اذه Cisco تمجرت ملاعل العامي عيمج يف نيم دختسمل لمعد يوتحم ميدقت لقيرشبل و امك ققيقد نوكت نل قيل قمجرت لضفاً نأ قظعالم يجرُي .قصاخل امهتغلب Cisco ياخت .فرتحم مجرتم اممدقي يتل القيفارت عال قمجرت اعم ل احل اوه يل إ أم اد عوجرل اب يصوُتو تامجرت الاذة ققد نع اهتي لوئسم Systems الما يا إ أم الا عنه يل الان الانتيام الال الانتيال الانت الما