

# **Generate A CSR On Edge Server with Microsoft Lync 2013 Server:**

#### Note:

- If you require an SSL certificate to secure a domain hosted in an Edge Server, you must first generate a Certificate Signing Request (CSR).
- Do not use commas in any of the fields when creating your Certificate Signing Request (CSR). Commas are interpreted as the end of the field and will cause an invalid CSR to be generated.
- Do not use any of the following characters in the Web server Distinguished Name: ! @ # \$ % ^ \* () ~ ? > < & / \</li>

### Steps To Generate A New CSR:

1. Start > All Programs > Microsoft Lync Server 2010 > Lync Server Deployment Wizard

Accessories Administrative Tools Maintenance A	
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Maintenance	dministrator
maintenance	aministrator
Microsoft Lync Server 2010	ocuments
🔯 Lync Server Deployment Wizard	ocumenta
Lync Server Logging Tool	omputer
🐼 Lync Server Management Shell	ompater
Microsoft SQL Server 2008	etwork
Startup	
C	ontrol Panel
D	evices and Printers
A	dministrative Tools
H	elp and Support
P	un
N.	
Back	
earch programs and files	og off



# 2. Select Install or Update Lync Server System

Lync Server 2010 Welcome to Lync Server deployment.	
ογ	
Prepare Active Directory Prepares the Active Directory schema, forest, and domain for Lync Server. Help • Install or Update Lync Server System Install or update a Lync Server Server deployment member system. This option installs Lync Server core components, and a local replica configuration store. Note: Before installing a server, you need to have a valid topology created and published. Help •	<ul> <li>Prepare first Standard Edition server</li> <li>Prepares a single Standard Edition server to host</li> <li>Central Management Service.</li> <li>Note: This task requires local administrator rights.</li> <li>This task does not apply to Standard Edition</li> <li>Servers that are not planned to host the Central</li> <li>Management Service, or for deployments that</li> <li>include Enterprise Edition.</li> <li>Install Topology Builder</li> <li>Installs the Topology Builder and Administrative</li> <li>Tools to the current system.</li> <li>Your deployment requires at least one installation of the Topology Builder.</li> <li>Deploy Monitoring Server Reports</li> <li>Deploy Monitoring Server Reports to selected SQL Server Reporting Services (SSRS) instances.</li> <li>First Run Videos</li> <li>Click to view getting started videos.</li> <li>Documentation</li> <li>Click to view the latest Lync Server documentation online for deployment, planning, and operations.</li> <li>Tools and Resources</li> <li>Click to access tools and other resources online to help manage your Lync Server deployment.</li> </ul>



# 3. Click Run button on step 3 Request, Install or Assign Certificates

-	Lync Server 2010			
4	Welcome to Lync Server deployment.			
<u>y</u> > l	Lync Server 2010			
p 1:	Install Local Configuration Store			
19	Installs local configuration store and populates with data from Central Management Store,			
	Prerequisites +	and prove the second	Contract In	ſ
	Help •	Complete	Run	
p 2:	Setup or Remove Lync Server Components			
	Install and activate, or deactivate and uninstall Lync Server Components based on the topo	logy definition.		
	Prerequisites 🕨		-	ß
	Help 🛌		Run	-55
ep 3:	Request, Install or Assign Certificates This step starts the Certificate Wizard. Create certificate request for local system. Install, ar system based on the topology definition.	nd assign certific	ates for this	
	Prerequisites >		1	ē
	Help >		Run	a
ep 4:	Start Services Initiates a start request for all Lync Server services. Note: This step does not verify that the services have actually started. To do so, launch the "Service Status" step in the Deployment UI.	e Services MMC t	tool through the	
	Not Available: Not all certificate usages have been assigned.			
	Prerequisites >		1	6
	Help 🔸		Run	
	Service Status (Optional) Starts the Services MMC tool, which displays the status of all Lync Server services.			85



4. Select External Edge Certificate and click Request button

	Status	Friendly Name	Expiration Date	Reques
<ul> <li>Edge internal</li> </ul>	Unassigned		\$1	Assign
External Edge certificate (public ir	iternet) Unassigned			
				Remove
				View



5. On certificate request window click next

🔞 Certifica	ate Request					×
	Certificate	e Request				
Request a Edge exte	a certificate for the ernal,A/V Edge ext	: External Edge cert ernal) Lync Server (	ificate (pub <mark>l</mark> ic inte usages.	ernet) (SIP Access	s Edge external,W	eb Conferencing
					1 <sup>11</sup>	1
Help				Back	Next	Cancel



6. Make sure the selection option is on Prepare the request now, but send it later. Click Next.

🗟 Lync S	Server 2010 - Deployment Wizard		×
	Lync Server 2010 Welcome to Lync Server deployment.		
Dep <b>l</b> oy			-
	Prepare Active Directory Prepares the Active Directory schema, forest, and domain for Lync Server. Help * Install or Update Lync Server System Install or update a Lync Server Server deployment member system. This option installs Lync Server core components, and a local replica configuration store. Note: Before installing a server, you need to have a valid topology created and published. Help *	<ul> <li>Prepare first Standard Edition server</li> <li>Prepares a single Standard Edition server to host Central Management Service.</li> <li>Note: This task requires local administrator rights. This task does not apply to Standard Edition Servers that are not planned to host the Central Management Service, or for deployments that include Enterprise Edition.</li> <li>Install Topology Builder</li> <li>Installs the Topology Builder and Administrative Tools to the current system. Your deployment requires at least one installation of the Topology Builder.</li> <li>Deploy Monitoring Server Reports</li> <li>Deploy Monitoring Server Reports to selected SQL Server Reporting Services (SSRS) instances.</li> <li>First Run Videos</li> <li>Click to view getting started videos.</li> <li>Documentation</li> <li>Click to view the latest Lync Server documentation online for deployment, planning, and operations.</li> <li>Tools and Resources</li> <li>Click to access tools and other resources online to help manage your Lync Server deployment.</li> <li>Read the privacy statement online</li> </ul>	
		Back Exit	



7. Give the name and place the location where you want to save your certificate signing request file. E.g.: c:\csr.txt

ľ	Certificate Request	×
	Certificate Request File	
	Specify the full path and file name of the Certificate Signing Request (CSR) file to be created	
	File Name: C:\csr.bct Browse.	
20 D		
and the second	Help Back Next Cancel	



8. Click Next button on Specify Alternate Certificate Template window.

🖗 Certificate Request	X
Specify Alternate Certificate Template	
By default a Lync Server certificate request will use the WebServer certificate template. Select the following check box in order to specify a different certificate template.	k
Use alternate certificate template for the selected certification authority	
Certificate template name:	
Note: The custom template must be installed on the certification authority, and must meet the requirements for Lync Server certificates. For details about custom certificate templates, see the product documentation.	
	-r
Help Back Next Cancel	



9. On Name and Security Settings window, enter your Friendly Name. e.g.: My Edge Server and make sure the bit length is 2048. Click Next to continue.

🛜 Certificate Request		×
Name and Se	curity Settings	
Type a name for the new certific	ate. The name should be easy for you to refer to and remember.	
Note: The friendly name should based on the certificate's usages	not be confused with the Subject Name which will be determined automatically on this machine.	
Friendly Name:		
My Edge Server		
Bit length:		
2048		
Mark the certificate's private Note: If there are multiple mach same certificate on all the mach	ines in the edge cluster you must obtain an exportable certificate and install the	
Help	Back Next Cancel	



10. On Organization information window, type in your Organization and Organization Unit then click Next

Request	×
Organization Information	
Enter your organization's name and your organization unit. This is typically the legal name of your organization and the name of your division or department. For further information, consult the certification authority's web site.	
Organization:	
Entrust Inc.	
Organizational Unit:	
ECS Dept	
Help Back Next Cancel	



11. On Geographical Information, please enter your Country, State and City. Click next to continue.

Certificate Request	×
Geographical Information	on
Country/Region:	
State/Province:	
Ontario	
City/Locality:	
Ottawa	
State/Province and City/Locality must be completed	d. Official names cannot contain abbreviations.
Help	Back Next Cancel



12. On Subject Name/Subject Alternate Name window, all the subject alternate names will auto populate. Click next to continue.

Certificate Request	×
Subject Name / Subject Alternate Names	
The following will be automatically populated for the Subject Name and Subject Alternate Name (S	AN)
Subject Name:	
sip.entrust.com	
Subject Alternate Name:	
sip.entrust.com webconf.entrust.com	
Help Back Next	Cancel



13. On SIP Domain Setting on Subject Alternate Names window, make sure the check box on sip domain being checked. Click next to continue.

Certificate Request	×
SIP Domain setting on Subject Alternate Names (SANs)	
If your deployment meets any of the following conditions, you may need additional SANs for each configured S domain: • Your deployment uses automatic sign-in without DNS SRV configuration • Your deployment performs strict domain matching • Your deployment includes devices that run Lync Phone Edition Configured SIP domains	IP
entrust.local	
Select one or more SIP domains for which a sip. <sipdomain> entry is to be added to the SAN list.</sipdomain>	
Help Back Next Cancel	



14. On Configure Additional Subject Alternate Names window, you can add any additional SAN if needed and click next to continue

~				
tify any additional Subject Alternate	Names (SANs) to be a	added to the exist	ing list of SANs.	
				Add
				Remove
				Clear A



15. On Certificate Request Summary, please review and click next to continue.

To generate a request with the Property	e following information, clic	:k Next	 
Exportable True	-		
Organization Entrust Organizational ECS De			
Subject Name	ust.com		1
Subject Alternate	ust.com		
webcor	f.entrust.com		
CA Account Template	ust.local		
File Name C:\csr.t	xt		•



16. Click next on the Executing Command window.

Certificate Request		×
Executing Commands		
C:\csr.txt -Country CA -State Ontano -City Ottawa PrivateKeyExportable \$True -Organization "Entrust Inc." Verbose -Report "C:\Users\Administrator\AppData\Local\ [13_01_42].html" Creating new log file "C:\Users\Administrator\AppData\Lo	-OU "ECS Dept " -DomainName "sip.entrust.k Temp\Request-CSCertificate-[2011_05_30]	
ef78-4f54-ba71-ca19dfec9759.xml". Create a certificate request based on Lync Server configu Offline request generated for use "AccessEdgeExternal,D No changes were made to the Central Management Stor Creating new log file "C:\Users\Administrator\AppData\Lo [13_01_42].html". "Request-CSCertificate" processing has completed succes Detailed results can be found at "C:\Users\Administrator [2011_05_30][13_01_42].html".	uration for this computer. ataEdgeExternal,AudioVideoAuthentication". e. ocal\Temp\Request-CSCertificate-[2011_05_3 asfully.	•0]
, Task status: Completed. Request Certificate		
Interprete extended		/iew Log



17. Click on the View button to open the CSR file and click Finish button to close the Certificate Request File window. You can also find the file on the allocated folder.

Certificate Request	×
Certificate Request File	
Generated Certificate Signing Request (CSR) File: C:\csr.txt	
Help	Back Finish Cancel



18. Copy the entries of CSR file and paste it to the online order screen on Entrust website or CMS.

C	sr - Note	pad				483				_ 0	×
File	Edit Fo	ormat	View	Help							
MIII BGN RUN DQEU 54RI 2H0, uDeU 9tyv uXoS Cisc WU5I CmF( AG8, AQ&C dC5: AIU( BGN) jqi	EcjCCA VBACMB TIERlc BAQUAA FwgAdP /lv+G7 wdxmbf wSE/+g SQV6E0 GAQQBg DTEFCM Ob3IMC ACWBVA AZWBVA DMYG8M sb2Nhb dEwEB/ WHSUED wDQYJK f88pp2 1/IDwf RVNhRA DdDaOz rBjWsJ	10CA 090d HQgM 41BD MONV Be/J hHZf UCDK CYQC JCNA UVER KR1c GYAd GEAC IIPC WQCM DAKB DAKB DAKB CYQC IICC KR1c GYAd GEAC IIPC WQCM DAKB CYQC IICC WQCM IICC WQCM IICC WQCM IICC WQCM IICC MQCM IICC V CYQC IICC MQCM IICC V CYQC IICC MQCM IICC V CYQC IICC V C CYQC IICC V C CYQC IICC V C CYQC IICC V C CYQC IICC V C CYQC IICC V C CYQC IICC V C C C C C C C C C C C C C C C C	QAWd GF3Y RgwF WAWg qnAW 56TV- fo/20 A763 Ldw9 gMXDI 0UZV GXV8 A763 Ldw9 GXV8 A763 Ldw9 GXV8 A763 Ldw9 QXV8 A763 A4GA 21WL1 AAWI ggrB QGXV8 A4GA 21WL1 AAWI ggrB VCNA0 TYM1 IET2 aecK IFRM	jELMAKG SAXFTAT gYDVQQD gEKAOIB MuP8YNC 4AkWBLL CuvCbnw kdLq101 fyMmQfw BYKNi4x w50cnVz S51eGUw FIAUWBB GKAYWAG GKAYWAG GKAYWAG UVUdHJ1 QYJKWYB GEFBQAD hGezWzm FA4HHVb 2IYMXRL A0g6Zau EWHOXNQ	ATE REQU GAIUEBHM FBGNVBAO DA92aXA AQChg6L CB+s8dfG OkYGjqC WANCVKZ Ifsi8C8+ VZKMNQ42 CIC2MDE VCGYKKWY ACAAUWB ACAAU	CQOEXED MDEVudH uZW50cn GRNKOZD KIAV17PI 47bFtwL T115HHG CEWfNVB v1JUAFX uMjBWBg hbAwaTF BBAGCNW DAGGAYQ VAHYAAQ E8DBCBg tghN3ZW CBBQEEG VHQ4EFG VHQ4E	AOBGNVBA J1c3QGSV VZdC5jb2 OPd8+wPr MQIZ3j5b 6Zr6+rW NZ0VWO/7 IUEKdek1 480L0g8p krBgEEA 10Q0XBQ 0CAjFkMC BUAG4AZC BKAGUACC NVHREE0 Jjb25mLr BXAGUAYC QUKD1xfC GYfnVOBH dy5TpEa	Ttt/jw5+ pF7AgMBA yI3FRQXS jFFREdFX GICAQEew QBSACAAQ gMBADCBy zA5ghFza mVudHJ1c gBTAGUAC dWNtfJUZ HK6w830N SwaW7kg	Tq26CUX AGgggG1 TBHAGEF EFkbWlu GBNAGKA GYJKOZI XAUZW50 3QUY29tI GB2AGUA aJUf89P hjdMlaP	MBez MBoG DBpM aXN0 YWBy CAB0 hVCN CNVZ MAWG cjAT Sirs IjVd	
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