

# Generate A CSR On Edge Server with Microsoft Lync 2010 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

Internet Explorer (64-bit) Internet Explorer Windows Update	2
Accessories Administrative Tools	Administrator
Microsoft Lync Server 2010	Documents
Uprc Server Logging Tool  Kync Server Management Shell	Computer
Microsoft SQL Server 2008 Startup	Network
	Control Panel
	Devices and Printers
	Administrative Tools
	Help and Support
	Run
Back	
earch programs and files	Log off



## 2. Select Install or Update Lync Server System

Lync Server 2010 Welcome to Lync Server deployment.	
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.</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 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

Welcome to Lync Server deployment.         by > Lync Server 2010         cp 1: Install Local Configuration Store         Installs local configuration store and populates with data from Central Management Store.         Prerequisites >         Help >         cp 2: Setup or Remove Lync Server Components         Install and activate, or deactivate and uninstall Lync Server Components based on the topology de         Prerequisites >         Help >         cp 3: Request, Install or Assign Certificates         This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition.         Prerequisites >         Help >         cp 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 "service Status" step in the Deployment UI.         Not Available: Not all certificate usages have been assigned.         Prerequisites >         Help +	omplete Run
Exp > Lync Server 2010 Exp 1: Install Local Configuration Store Installs local configuration store and populates with data from Central Management Store. Prerequisites > Help > Exp 2: Setup or Remove Lync Server Components Install and activate, or deactivate and uninstall Lync Server Components based on the topology de Prerequisites > Help > Exp 3: Request, Install or Assign Certificates This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition. Prerequisites > Help > Exp 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 "Service Status" step in the Deployment UI. Not Available: Not all certificate usages have been assigned. Prerequisites > Help >	omplete Run
ov > Lync Server 2010         tep 1: Install Local Configuration Store Installs local configuration store and populates with data from Central Management Store, Prerequisites > Help >         rep 2: Setup or Remove Lync Server Components Install and activate, or deactivate and uninstall Lync Server Components based on the topology de Prerequisites > Help >         rep 3: Request, Install or Assign Certificates This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition. Prerequisites > Help >         rep 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 "Service Status" step in the Deployment UI. Not Available: Not all certificate usages have been assigned. Prerequisites > Help >	omplete Run
tep 1: Install Local Configuration Store   Installs local configuration store and populates with data from Central Management Store,   Prerequisites >   Help >   2: Setup or Remove Lync Server Components Install and activate, or deactivate and uninstall Lync Server Components based on the topology de Prerequisites > Help > 3: Request, Install or Assign Certificates This step starts the Certificate Wizard. Create certificate request for local system. Install, and assign system based on the topology definition. Prerequisites > Help > 2: 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 "Service Status" step in the Deployment UI. Not Available: Not all certificate usages have been assigned. Prerequisites > Help >	omplete Run
Installs local configuration store and populates with data from Central Management Store. Prerequisites  Help  Setup or Remove Lync Server Components Install and activate, or deactivate and uninstall Lync Server Components based on the topology de Prerequisites  Help  Request, Install or Assign Certificates This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition. Prerequisites  Help  Yerequisites  Help  Yerequisites  Help  Yerequisites  Help  Help	omplete Run
Prerequisites > Help > Yep 2: Setup or Remove Lync Server Components Install and activate, or deactivate and uninstall Lync Server Components based on the topology de Prerequisites > Help > Yep 3: Request, Install or Assign Certificates This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition. Prerequisites > Help > Yep 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 "Service Status" step in the Deployment UI. Not Available: Not all certificate usages have been assigned. Prerequisites > Help >	omplete Run
Help •       •         Setup or Remove Lync Server Components       Install and activate, or deactivate and uninstall Lync Server Components based on the topology de Prerequisites •         Help •       •         Request, Install or Assign Certificates       •         This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition.         Prerequisites •       •         Help •       •         Request, Install or Assign Certificates         This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition.         Prerequisites •         Help •         Request, Install or Assign Certificates         This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition.         Prerequisites •         Help •         Request, Install or Assign Certificates         Note: This step does not verify that the services have actually started. To do so, launch the Service "Service Status" step in the Deployment UI.         Not Available: Not all certificate usages have been assigned.         Prerequisites •         Help •	omplete Run
Rep 2: Setup or Remove Lync Server Components         Install and activate, or deactivate and uninstall Lync Server Components based on the topology de         Prerequisites >         Help >         Request, Install or Assign Certificates         This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition.         Prerequisites >         Help >         Rep 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 "Service Status" step in the Deployment UI.         Not Available: Not all certificate usages have been assigned.         Prerequisites >         Help >	
Install and activate, or deactivate and uninstall Lync Server Components based on the topology de Prerequisites  Help  Request, Install or Assign Certificates This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition. Prerequisites  Help  Rep 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 "Service Status" step in the Deployment UI. Not Available: Not all certificate usages have been assigned. Prerequisites  Help	
Prerequisites  Help  Request, Install or Assign Certificates This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition. Prerequisites  Help  Rep 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 "Service Status" step in the Deployment UI. Not Available: Not all certificate usages have been assigned. Prerequisites  Help	nition.
Help >         Request, Install or Assign Certificates         This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition.         Prerequisites >         Help >         Request, Install or Assign Certificate wizard. Create certificate request for local system. Install, and assig system based on the topology definition.         Prerequisites >         Help >         Request 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 "Service Status" step in the Deployment UI.         Not Available: Not all certificate usages have been assigned.         Prerequisites >         Help >	
Request, Install or Assign Certificates         This step starts the Certificate Wizard. Create certificate request for local system. Install, and assig system based on the topology definition.         Prerequisites >         Help >         Request, Install or Assign Certificate vizard. Create certificate request for local system. Install, and assig system based on the topology definition.         Prerequisites >         Help >         Request 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 "Service Status" step in the Deployment UI.         Not Available: Not all certificate usages have been assigned.         Prerequisites >         Help >	Run
Prerequisites  Help Help 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 "Service Status" step in the Deployment UI. Not Available: Not all certificate usages have been assigned. Prerequisites Help Help	certificates for this
Help Help 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 "Service Status" step in the Deployment UI. Not Available: Not all certificate usages have been assigned. Prerequisites Help	(
<ul> <li>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 "Service Status" step in the Deployment UI.         Not Available: Not all certificate usages have been assigned.         Prerequisites .         Help .     </li> </ul>	Run
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 "Service Status" step in the Deployment UI. Not Available: Not all certificate usages have been assigned. Prerequisites Help	
Not Available: Not all certificate usages have been assigned. Prerequisites  Help	s MMC tool through the
Prerequisites  Help	
Help +	1
	Run
Service Status (Ontional)	22
Starts the Services MMC tool, which displays the status of all Lync Server services.	



4. Select External Edge Certificate and click Request button

Assign Remove
Remove
 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	e External Edge cer ernal) Lync Server	tificate (public int usages.	ernet) (SIP Acces	s Edge external,W	eb Conferencing
						1
Help				Back	Next	Cancel



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

🗟 Lync :	Server 2010 - Deployment Wizard		×
	Lync Server 2010 Welcome to Lync Server deployment.		
Deploy			-
	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.</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 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

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



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

🖗 Certificate Request		×
Specify Alternate Certificate Temp	plate	
By default a Lync Server certificate request will use the WebServer box in order to specify a different certificate template.	certificate template. Select the	following check
Use alternate certificate template for the selected certification a	authority	
Certificate template name:		
Note: The custom template must be installed on the certification a Lync Server certificates. For details about custom certificate templa	uthority, and must meet the req ates, see the product document:	uirements for ation.



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 a	and Security Settin	igs	
Type a name for the ne	ew certificate. The name should	d be easy for you to refer to and remember.	
Note: The friendly nam based on the certificate	e should not be confused with a's usages on this machine.	the Subject Name which will be determined autor	natica <mark>ll</mark> y
Friendly Name:			
My Edge Server			
Bit length:			
2048	•		
Mark the certificate Note: If there are multi same certificate on all t	's private key as exportable iple machines in the edge clust the machines in the cluster	ter you must obtain an exportable certificate and i	nstall the
Help		Back Next	Cancel



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

🛜 Certificate 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	<u>×</u>
Geographical Informatio	n
Country/Region:	
State/Province:	
Ontario	
City/Locality:	
Ottawa	
State/Province and City/Locality must be completed.	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 (SAN)
Subject Name:	
sip.entrust.com	
Subject Alternate Name:	
sip.entrust.com webconf.entrust.com	
Help Back	lext 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.

Ö 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 config 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	ured SIP
✓ 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

<b>4</b> 7				
cify any additional Subject Alterna	te Names (SANs) to b	be added to the exi	sting list of SANs.	- 11
				Add
				Remove
				Clear A



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

Property     Value       Exportable     True       Organization     Entrust Inc.       Organizational     ECS Dept	<b>_</b>
Exportable True Organization Entrust Inc. Organizational ECS Dept Unit	
Organization Entrust Inc. Organizational ECS Dept	
Unit	
Subject Name (SN) sip.entrust.com	1
Subject Alternate sip.entrust.com	
webconf.entrust.com	
sip.entrust.local CA Account Template	
File Name C:\csr.bxt	•



16. Click next on the Executing Command window.

Certificate Request				×
Executing Comma	ands			
C:\csr.bxt -Country CA -State Ontario PrivateKeyExportable \$True -Organizati Verbose -Report "C:\Users\Administrato [13_01_42].html" Creating new log file "C:\Users\Adminis ef78-4f54-ba71-ca19dfec9759.xml".	o -City Ottawa -Frier ion "Entrust Inc." -OU " or\AppData\Local\Temp strator\AppData\Local\T	naiyiName My Eage TECS Dept " -Domai NRequest-CSCertifi Temp\Request-CSC	s Server -ĸeysize 2 nName "sip.entrust cate-[2011_05_30] ertificate-c651e309-	u48 - 🔺
Create a certificate request based on L Offline request generated for use "Acce No changes were made to the Central I Creating new log file "C:\Users\Adminis [13_01_42].html". "Request-CSCertificate" processing has Detailed results can be found at "C:\Us [2011_05_30][13_01_42].html".	ync Server configuration essEdgeExternal,DataEd Management Store, strator\AppData\Local\T completed successfully ers\Administrator\AppD	n for this computer IgeExternal,AudioVi Femp\Request-CSC , , )ata\Local\Temp\Re	deoAuthentication". ertificate-[2011_05_ equest-CSCertificate	.30] 
Task status: Completed.			-	View Log
Help		Back	Next	Cancel



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.

📕 csr - Notepad	_ 🗆 🗙
File Edit Format View Help	
BEGIN NEW CERTIFICATE REQUEST MIIEcjCCA1oCAQAwdjELMAkGA1UEBhMCQ0ExEDAOBgNVBAgMB09udGFya BgNVBACMB090dGF3YSAXFTATBgNVBA0MDEVudHJ1c3QgSW5jLjESMBAGA RUNTIER1cHQgMRgwFgYDVQQDDA9zaXAuZW50cnVzdC5jb20wggEiMA0GC DQEBAQUAA4IBDwAwggEKA0IBAQChg6LGRNK0ZD0Pd8+wPmtVYQR4nF8H- 54RFwgAdPM0nVqnAMMuP8YnCB+s8dfGKIaV17PMQIZ3j5bzwfKcPur5s ZH0/1v+G7Be/JS6Tv4AkWBLLokYGjqC47bFtwL6Zr6+rwwPd94iRJ0tP9 UDewdxmbfhHzffo/2cuvCbnW4ntCVkZT1I5HHGNZ0vw0/7RT7Ch98T2P1 9tywSE/+gUCDKA763kdLq101fsi8C8+CEwfNVBIUEKdekItt/jw5+Tq20 uXoSQV6E0CYQcLdw9fyMmQfWZKMNQ42v1JUAFx48oL0g8pF7AgMBAAGgg CisGAQQBgjcNAgMXDBYKNi4xLjc2MDEuMjBWBgkrBgEEAYI3FRQXSTBH/ WU5DTEFCMUVER0UUZW50cnVzdC5sb2NhbAwaTF10Q0XBQjFFREdFXEFKI CmF0b3IMckR1cGxveS51eGUwcgYKKwYBBAGCNw0CAjFKMGICAQEewgBN/ AG8AcwBvAGYAdAAgAFIAUwBBACAAUwBDAGgAYQBUAG4AZQBSACAAQwBy/ AG8AcwBvAGYAdAAgAFIAUWBBACAAUwBDAGgAYQBUAG4AZQBSACAAQWBy/ AG8AcWByAGEAcABoAGkAYwAgAFAAcgBVAHYAaQBKAGUAcgMBADCBygYJ AQkOMYG8MIG5MA4GA1UdDWEB/wQEAWIE8DBCBgNVHREE0ZA5ghFzaXAUZ dC5sb2NhbIIPc21wLmVudHJ1c3QuY29tghN3ZWJjb25mLmVudHJ1c3QuY A1UdEwEB/wQCMAAWIQYJKWYBBAGCNXQCBBQEgBXAGUAYgBTAGUAcgB2/ BgNVHSUEDAKBggrBgEFBQCDATAdBgNVHQ4EFgQUKD1XfdWntfJUZ3UH jqswDQYJKoZIhvcNAQEFBQADggEBABJ1DeG8ciGYfnvoBHK6w830NhjdM ygjf88pp2g/dSTYMthGezWzmQYPIgjoK1vrQJJdx5TpEa5waW7kqGHYwc dWT1/IDwfP12MqBRZFA4HHvbH7tb+CbwQI8ivWPAyISGsgAa200ieo7ir nkpRvNhRAd9zi1ET22IYMXRLbI/3/67Hb2cQkt8Crn8bGZnU04013Ifvc 56UDdDa0ZIBcWaecKA0g6Zausic90Ijrxsep1YF21nI74gr9QzanZkJM zVNrBjWSJcqtaIFRMEWH0XNQx2R9IEEg4kyx0brcMVv0XbLOEUA= END NEW CERTIFICATE REQUEST	AW8xEDAO AluECwwJ SqGSIb3 FYAMbwRL 3Gtc+pSo 9L3yp974 LmZaMtEz 5CUxhJWg ggG1MBoG AgEFDBpM bwluaXNO AGkAYWBy AHKACABO KOZIhVCN ZW50CNVZ Y29tMAWG AGUACjAT F89P8irs 4laPIjVd GMM8lLys mUZ0L1Lt DH4BABpC 3T80gZRN
	▶ //.