

New	Exchange Certificate
Introduction Domain Scope Certificate	Domain Scope Enter a parent domain name below if you would like to apply this certificate to all its sub-domains automatically using wildcards. This is useful when you want to add sub-domains later but don't want to update an existing certificate.
Configuration	Enable wildcard certificate
Completion	Root domain for wildcard (for example, contoso com or * contoso.com):
Help	< Back Next > Cancel

Step 2:

Assign the required Services for your $\mathsf{Exchange}$, Give a $\mathsf{Tick}\,\mathsf{Mark}$

New E	change Certificate
Introduction	Exchange Configuration Use this page to describe your Microsoft Exchange configuration and domain information. If the wizard does not automatically provide this information, you can enter it yourself.
Exchange Configuration	Sharing ¥
Certificate Domains	Client Access server (Outlook Web App)
Certificate Configuration	Outlook Web App is on the Intranet Domain name you use to access Outlook Web App internally: exchange2010 careexchange in Outlook Web App is on the Internet
	Domain name you use to access Outlook Web App (example: mail.contoso.com): mail.careexchange.in
	Client Access server (Exchange ActiveSync) Exchange Active Sync is enabled Domain name you use to access Exchange ActiveSync (example mail contoso com): mail careexchange in
	Client Access server (Web Services, Outlook Anywhere, and Autodiscover) C Exchange Web Services is enabled Outlook Anywhere is enabled
Help	External host name for your organization (example: mail contoso com):

You will opt for it if you are planning for Coexistence in OWA in Exchange 2003 and Exchange 2010

Legacy Exchange S	erver			*
Use legacy don	nains			
Domain name to us	e for legacy servers	s:		
legacy.careexchan	ge.in			F
	Reset	< Back	Next >	Cancel

Step 3:

You will see the collection for URL's



FireShot Capture 7 - How to Use a Self Signed Certificate i_ - http___www.careexchange.in_how-to-u

Help	<back next=""> Cancel</back>
tep 4:	
ill out the Form – And set	the location for the Cert Request file
New E	xchange Certificate
Introduction	Organization and Location Use this page to enter the name of your organization, organizational unit, location, and certificate request file path.
Exchange Configuration	Organization:
Certificate Domains	CareExchange
Organization and Location	Organization unit: Exchange Team Location
Certificate Configuration	Country/region:
Completion	United States
	City/ocality:
	New York
	State/province:
	New York Certificate Request File Path
	Specify the name of the request file in the text box below. Use the Browse button to select the folder where you want the request file to be created. The name must end with the extension "req".
	C:\Users\administrator.CAREEXCHANGE\Desktop\Exchange Cert.reg Browse
Help	< Back Next > Cancel
	change Certificate
Introduction	Completion
Domain Scope	The wizard completed successfully. Click Finish to close this wizard. Elapsed time: 00:00:03
Exchange Configuration	Summary: 2 item(s), 2 succeeded, 0 failed. rewr-bccararge-centracter -metrupmanter bccararge-cent-sceneraternequess. -PrivateKeyExportable Strue -KeySter 2048'-SubjectName C=US,S='New
Certificate Domains	York:".[="New York:".0="CareExchange".OU="Exchange Team".CN-careexchange.in'-DomainName
Organization and Location	"exchange2010.careexchange.in", "analicareexchange.in", careexchange.in", 'autodi scover.careexchange.in", legacy.careexchange.in 'Server 'EXCHANGE2010'
Certificate Configuration	Bapsed Time: 00:00:03
Completion	Write file Of Completed *

Introduction	Completion The wizard completed successfully. Click Finish to close this wizard.
Domain Scope	Elapsed time: 00:00:03
Exchange Configuration	Summary: 2 item(s). 2 succeeded, 0 failed. New-ExcitaingeCerunicate -mienturymanie Excitainge Ceru-Genieratemequest.
Certificate Domains	-PrivateKeyExportable \$true -KeySize '2048' -SubjectName 'C=US,S="New York'',L="New York'',D="CareExchange'',OU="Exchange Team",CN=careexchange in -DomainName Team",CN=careexchange in -DomainName
Organization and Location	'exchange2010.careexchange in','mail.careexchange in','careexchange in','autodi scover.careexchange in',legacy.careexchange in' -Server 'EXCHANGE2010'
Certificate Configuration	Elapsed Time: 00:00:03
Completion	Write file Completed Completed: Write binary atteam into the file C:\Ubers\administrator.CAREEXCHANGE\Desktop\Exchange Cert.req'. Bapsed Time: 00.00.00 Step 1: Based on the information you provided, you must use a <u>Unified</u> <u>Communications certificate</u> . Please get the certificate from a certification authority. Step 2: Use the Complete Pending Request wizard to map the certificate to the certificate request created on the server.
	Step 3: Assign the Exchange services to the certificate using the Assign Services to Certificate wizard.
	To copy the contents of this page, press CTRL+C.
Help	< Back Finish Cancel

Step 5:

Your request file would look like this



Open it via Notepad , because we need this content to generate a Certificate

📕 Exchange Cert - Notepad File Edit Format View Help

The Edit Format View Help File Edit Format View CRTIFICATE REQUEST-----MIIEnTCCAULCAQAM FORMEYCALLEANNY22F2xW442hhbmdllmlMRWFAYDVQQL DAIFeGNOVWS725BUZWFTMRUNEWYDVQQKDAXDYX17RXh1aGFUZ2UETAPEgNVBACM VR8ZDITV/XRGEaEOULCS6n7Q5EB2ZtQNZaQLWMPMRFBV+PEBMCVMWggETMAOG CSGGSIB3DQEAQUAA4IBDNAWggEXADIBAQDRdw3QHH39OPUTjwQ1NDD9YTeybXM VYR8ZDITV/XRGEaEOULCS6n7Q5EB2ZtQNZaQLWMPMRFBV+PEFEACKSUVCPAIZY/L VyhSP2B19y1ETTxudA+D+XwI1EPGEBAICfH0fB6WOHSg1tob3020UMOPhjWaA5VUU VyhSP2B19y1ETTxudA+D+XwI1EPGEBAICfH0fB6WOHSg1tob3020UMOPhjWaA5VUU VyhSP2B19y1ETTxudA+D+XwI1EPGEBAICfH0fB6WOHSg1tob3020UU/YE+ RFXQpWK5311R1fjWq+yx2LUAZBKKr51dyhg311HsebsccrrvZ/JYULWhmR3rHz5 eoa3D0TjWdAXPX50/PqT2yXKN50VqKKCg00C99tcpB01LqW6/mdrhfAgNBAAG ggHAMBOGC1SGAQQBg1CM4gMYDBYKN14K1[c2NDEUM]BWBgkrBgEAT33RQX72Bh AgEFDBXFeGNOV%DCITUMTAUY2F2VW42/bhbmd1Lm1uDgDFCR05VCAUgB5 ZTBVBg07BgEAT33DCIMQ6WYGBRA53aE0Aa3GJAHIAbWSCR68A2802B0ACAUgBT AE6LABTAEMAABhAGA4DgB1AGWA1ABDAH1A2QBWAHQAbWBnAHIAYQBWAGAA3AB ACAUABYAG8AdgBpAGAZ2B3AVEM1HVBSqKht169WBC4X2ccwgCQW00P0NP0 AQH/BAQDagWgM1GEBgUVHBEETFB7ghX1EGNOV%D7TIMTAU72FyZW442/bhbmd1Lm1UghAtMXRV ZG12Y292ZXIU72F2W44Y2hbbmd1Lm1Ugh25Sb0DFY2FXW342Chbmd1Lm1UghAtMXRV ZG12Y292ZXIU72FyZW44Y2hbbmd1Lm1Ugh25Sb0DFY2FXW342bhbmd1Lm1UghAtMXRV ZG12Y392ZXIU72FyZW44Y2hbbmd1Lm1Ugh25Sb0DFY2FXW342bhbmd1Lm1UghAtMXRV ZG12Y392ZXIU72FyZW44Y2hbbmd1Lm1Ugh25Sb0DFY2FXW342bhbmd1Lm1UghAtMXRV ZG12Y392ZXIU72FyZW44Y2hbbmd1Lm1Ugh25Sb0DFY2FXW342bhbmd1Lm1UghAtMXRV ZG12Y392ZXIU72FyZW44Y2hbbmd1Lm1Ugh25Sb0DFY2FXW342bhbmd1Lm1UghAtMXRV ZG12Y392ZXIU72FyZW44Y2hbbmd1Lm1Ugh25Sb0DFY2FXK38BG32X1EHABK17DD22L4bHeMA06 CSGGSTb3DQEBBQUAA4BAQA5G7J10W3J1WAFYK1qKXV3YC5G7Q3UFYd2B4U29H MZXWME7Cm44DCANA902V9DYTYTEWJ1M3R9Fd09H1L772ZWD97UFC9UFXU9UHMA4MXRV ZG12Y392ZXIU72FYZW44Y2hbbmd1Lm1Ugh75MA2BGU9J3H1XD4EYSABGU9J4UKKYgNVYSaerW JIAWSA1UGH253410XXV29DYT1KW7J1MA2FYZW44Y2hbbmd1LT72ZWQ9G7SU5JU92B4 MZZWME7Cm44DCAN4902V7V60YJ1MXF5MA2LRMND5SSB

Step 6:		
	ole installed to have a Certificate Authority , It c	an be DC or Exchange it self
Private Key Carthage base Values Carthage bases Carthage bases Car	r Roles Select one or inverrides to install on this server. Roles Active Directory Conflicts Services Active Directory Rolman Services Bridge Server Bridge Server Bridge Server Bridge Services Remote Decktog Services Remote Decktog Services Remote Decktog Services Remote Decktog Services Windows Service Services Windows Server Update Services Windows Service Leduate Services Remote Decktog Services Windows Service Services Remote Decktog Services Windows Service Leduate Services Remote Decktog Services Remote Services Remote Decktog Services Remote Servic	Description: Active Disable Configurations (Active Services Active Disable Services aduptive Services and related or services the allow you to issue and manage certifications.

Step 7:

 $\label{eq:choose} Choose: Certification authority , Certification Authority Web Enrollment$

Select Role Services	Add Roles Wizard	×
	Select Role Servi	vices
Before You Bagin Server Roles Sort Roles Role services to install for Active Directory Certificate Services: Description Role Services Role services: Description: Sock Progress Role revision: Description: Confination Certification Authority Description: Provider Description: Certification Authority Confination Description: Certification Authority Provider Description: Certification Authority Provider Description: Certification Authority Confination Certificate Evolument Policy Web Service Certificate: Provider Certificate Evolument Policy Web Service Certificate: More about role services More about role services	Server Roles AD CS Role Services Setup Type CA Type Private Key Cryptography CA Name Validity Period Contificate Database Confirmation Progress	Description: Description: V Certification Authority: View Index a simple with the foreithment provides and the foreithment provides a simple with provides a simple with the foreithment provides a si

Step 8:

Choose Enterprise

Add Roles Wizard Specify Setup Ty	pe
Before You Begin Server Roles AD CS Belas Services Example CA Type Proyectory CA Type Proyectory CA Name Catalog Debabase Confirmation Progress Results	Certification Authonities can use data in Active Directory to singlify the issuance and management of certificates. Specify inhether you want to set up an Enterprise or Standakone CA.
	Note about the differences between enterorise and standalone setup
	<previous next=""> Instal Cancel</previous>
Step 9: Choose Root CA	
Add Roles Wizard	2
Specify CA Type	
Before You Begin Server Roles AD CS	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-agned cartificate. A subordinate CA receives its certificate from another CA. Specify whether you want to set up a root or subordinate CA.
Role Services	Root CA

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Setup Type	Select this option if you are installing the first or only certification authority in a public key infrastructure.
CA Type	C Subordinate CA
Private Key	Select this option if your CA will obtain its CA certificate from another CA higher in a public key
Cryptography	Infrastructure.
CA Name	
Validity Period	
Certificate Database	
Confirmation	
Progress	
Results	
	More about public key infrastructure (PKI)
	Hore about public key minastructure (PNL)
	< Previous Next > Install Cancel

Step 10:

Create a new Private key

Add Roles Wizard	× ×
Set Up Private K	ey
Before You Begin Server Roles AD CS Role Services Setto Type CA Type CA Type CA Type CA Table Validity Perod Certificate Database Confirmation Progress Results	Control and table certification to don'ts, a CA must have a private key. Specify whether you want to create a new whole key or use an existing one. (*) (*)
	<pre>chrestood.com.cmumser.html </pre>

Step 11:

Have this Default with 2048 key Character length

Add Roles Wizard		×
Configure Crypto	graphy for CA	
Before You Begin Server Roles AD CS Role Services Setto Type CA Type Private Key Crystops soly Cartificate Database Confinatio Certificate Database Confinatio Progress Results	To oreate a new private key, you must first select a contraction and a selection a subject on the certificates that you issue. Selecting a bigle operation.	
	More about cryptographic options for a CA	
	< Previous Next > Install Cancel	
Step 12:		

Click Next







Step 15:

Now if you Open IIS manager , you will see "CertSrv" a Virtual Directory Created ,

Use the right side column "Browse *.443(https)

Internet Information Services (IIS) Manager	reb Site 🕨 CentSirv 🕨	· (이 (이 (이 (이 (이 (이 (이 (이 () () () () () () () () () () () () ()
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 Bindback CAR CAR CAR CAR Car Car Promotive Promotive Promotive Pack Pack Pack Pack Pack Pack 	Nachree Key Appended Providers Session State (PATP E-mail Controls)	Advanced Settings

Step 16:

You would see a page like this , Choose Request a Certificate

🕒 🕘 🗢 👔 https://localhost/cerl	tsrv/Default.asp 💌 😵 Certificate Error	🖻 🔄 🗶 🔎 Bing	P
Favorites 🛛 🍰 🙋 Suggested Site	es 🔹 💋 Web Sice Gallery 🔹		
🗧 🔹 🌈 Certificate Error: Navigation	n 🏽 🏀 Microsoft Active Director 🗙	💧 • 🖻 • 🖻 🖶 •	Page • Safety • Tools • 👔
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Welcome			

chrome-extension://mcbpblocgmgfnpjjppndjkmgjaogfceg/fsCaptured.html

FireShot Capture 7 - How to Use a Self Signed Certificate i_ - http__www.careexchange.in_how-to-u

	u can verify your identity to people you communicate with over the Web, sign and encrypt id, depending upon the type of certificate you request, perform other security tasks.
	use this Web site to download a certificate authority (CA) certificate, certificate chain, or ocation list (CRL), or to view the status of a pending request.
For more inf Documentat	rmation about Active Directory Certificate Services, see <u>Active Directory Certificate Services</u> ID-
Select a tas	:: certificate
View the	econocation a CA certificate, certificate chain, or CRL
tep 17:	
lick on Adva	ced Certificate Request
Microsoft Acti	Directory Certificate Services careexchange-EXCHANGE2010-CA Home
Request a C	ertificate
Select the ce User Cert	
Or, submit ar	advanced certificate request.
tep 18:	
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tep 18: hoose the S ubmit a cert <i>Microsoft Act</i>	cond one icate request by using a base-64-Encoded CMC • Directory Centificate Services – careexchange-EXCHANGE2010-CA Hom
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tep 18: hoose the S ubmit a cert Microsoft Act Advanced (The policy of <u>Create ar</u> Submit a	cond one icate request by using a base-64-Encoded CMC e Directory Certificate Services – careexchange-EXCHANGE2010-CA <u>Hom</u> ertificate Request
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tep 18: hoose the S ubmit a cert Microsoft Act Advanced (The policy of <u>Create ar</u> Submit a	cond one icate request by using a base-64-Encoded CMC e Directory Centificate Services — careexchange EXCHANGE2010-CA Hom ertificate Request the CA determines the types of certificates you can request. Click one of the following options I submit a request to this CA. ertificate request by using a base-64-encoded CMC or PKCS #10 file, or submit a renewal

NOTE _ BELOW SCREEN SHOT _ CHOOSE TEMPLATE _ WEB SERVER

C Hicrosoft Active Directory Certificate Services - Windows Internet Explorer
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👷 Pavarites 👍 @ Suggested Sites * @ Web Sice Galery *
😥 🔹 🌈 Certificate Error: Navigation 🥻 Microsoft Active Director 🗙 🥼 🐑 🖸 👘 🐑 Page 🔹 Safety 🐑 Tools • 🚯
Microsoft Active Directory Certificate Senices - careexchange-EXCHANGE2010-CA Home
Submit a Certificate Request or Renewal Request
To submit a saved request to the CA, paste a base-64-encoded CMC or PKCS #10 certificate request or PKCS #7 renewal request generated by an external source (such as a Web server) in the Saved Request box.
Saved Request:
Base-64-arcodd: Hax1e+H2C34KPVpH2v4*C+m2AVBA2BH2D centificate request LatSH=12-24KPVpH2v4*C+m2AVBA2BH2D LatSH=12-24KPVpH2v4*C+m2AVBA2BH2D pHCSS #10 or PHCSS #10 or PHCSS #71.
Certificate Template:
Additional Attributes:

Step 20:

Choose "Base 64 encoded"



16/5/2017

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Server Configurati	on – Complete Pending request
Exchange Hanagement Conso Ple Acton View Help	*
	Server Configuration Server Configuration Configuration Configuration Configuration Server Configuration Server Configuration 5
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Choose the Certifica	te :
	omplete Pending Request
0 <u>9</u>	
Completion	Introduction This wizard will help you to import a certificate issued from the certification authority to your Exchange server. Before the import occurs, the certificate will be mapped to the certificate
	request that already exists on the server. Select a certificate to map to this certificate request:
	C:\Users\administrator.CAREEXCHANGE\Desktop\cetnew.cer Browse Example: C:\cetflicates\mport.cer
Help	< Back Complete Cancel
Step 23:	
Now Assign Services	
Fie Action View Help	
Microsoft Exchange Microsoft Exchange On-Premis Microsoft Exchange On-Premis Microsoft Exchange On-Premis	Create Pitter
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FireSho		to Use a Self Signed Certificate
Select Services Assign Services Completion	Assign the appropriate services	ol (SMTP)
Hep Now the Server Part is re:	ady	< Back Next > Cancel
Step 24:		
Double Click on the Certif Click Install Certificate -		
Certificate	×	
General Details Certificate Information This certificate information This certificate is intended for •Enures the identity of a rem Issued to: endunge2010 Issued to: endunge2010 Valid from 2/ 22/ 2012 to	areexchange.in	T Weard Welcome to the Certificate Import Wizard The weard helps you copy certificates, certificate trust law, and certificate removation last from you dak is a certificate with its issued by a certificate trust in the flattate, with its issued by a certification authority, it and its protect data or to residue more network certificate are kapt. To centrue, click Next.
Learn more about <u>certificates</u>	Certificate	< Rest > Cance
Windows can automatic the certificate. Ĉ Automatically sel	vstem areas where certificates a ally select a certificate store, or ect the certificate store based o tes in the following store :	you can specify a location for
, Learn more about <u>certificate</u>	stores < Back	Next > Cancel
Click Next And Import will b Now Do the Same Process	e Successful ficate	

Certificate Import Wiz	zard
	s are system areas where certificates are kept.
Windows can auto the certificate.	tomatically select a certificate store, or you can specify a location for
	ally select the certificate store based on the type of certificate
 Place all ce Certificate 	ertificates in the following store
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	< Back Next > Cancel
Double Click on the (Certificate
ick Install Certifica	ate – Click Next – Choose Intermediate Certification Authorities:
Certificate Import Wiza	zard
Certificate Store Certificate stores	s are system areas where certificates are kept.
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the certificate.	tomatically select a certificate store, or you can specify a location for
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Learn more about <u>certi</u>	tificate stores
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Step 25: Before	Informet Espinoer
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					Reply
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Graha	.m				Reply
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	Can you check Issued to : "We and the URL yo	bmail.Dor		m/owa"	
	The above "Iss webmail.doma	in.com	id the URL		
	should be the : If it differs you		e error		
					Reply
	Graha		hows as issued to 'ma		mber 14, 2012 at 8:04 a
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FireShot Capture 7 - How to Use a Self Signed Certificate i_ - http___www.careexchange.in_how-to-u

from

http://social.technet.microsoft.com/Forums/en-US/exchangesvrgenerallegacy/thread/4bd74114-d146-

44ad-8594-c6b581fef1a1 Graham November 15, 2012 at 8:52 am In addition I have now exported the {org}-{server}-CA from the Trusted Root CA of the server and imported that to the Trusted Root CA of the (non-domain) client. Now OWA works as you describe, as there is a path to a trusted authority. For domain clients they may probably automatically trust the server as it is in the same domain The failure on OA has also changed - I am now now seeing an 'untrusted certificate error', just an issue with authentication. I will track that down and post the results. Conclusions so far: Both OA and OWA should work with a INTERNALLY GENERATED certificate. OWA works with self-signed, OA doesn't. The title of this article is wrong – it's not about using a self-signed certificate but an internal CA one – and it's a very comprehensive guide to that. Graham November 20, 2012 at 3:45 am Final Update: all working now. The authentication issue appears to have been down to switching to Kernel mode authentication for the various exchange processes at some point. So to summarise – this detailed guide works for both OWA and OA by using an internal CA certificate, with the proviso that for non-domain member PCs you need to import the issuing server's CA certificate to the Trusted Root CA store, in addition to the Exchange certificate generated as described here. Thanks Satheshwaran for creating this guide initially and for our exchange (pardon the pun!) regarding the differences between self-signed and internal CA generated certificates. I hope the clarification will be of value to all readers of this blog. Regards, Graham Satheshwaran Manoharan November 20, 2012 at 5:07 am You are most welcome !! November 15, 2012 at 4:19 pm Satheshwaran Manoharan Hi Graham Have Emailed you on this ! Issued by Windows CA will work with Outlook anywhere But not a Self Sign Cert Thank you ! Reply adatmentés November 29, 2012 at 10:00 pm Hi there, I found your web site via Google at the same time as searching for a related subject, your site came up, it looks great. I've bookmarked it in my google bookmarks. Reply January 15, 2013 at 4:49 am Mohammed You are very helpfull. Keep doing the good work. It inspires the junior admis like me. Reply Satheshwaran Manoharan January 15, 2013 at 8:12 am Sure I Will Mohammed. Thank you for your Comments Reply adatmentés January 28, 2013 at 1:18 pm Asking questions are in fact good thing if you are not understanding something completely, except this article provides good understanding even. Reply January 28, 2013 at 6:10 pm Satheshwaran Manoharan Thank Man ! Reply January 29, 2013 at 8:40 pm Jaison Joseph Samuel Hi Satheshwaran, Thank you for sharing the knowledge. I was looking for such informative articles. I am trying all sorts of tests to master the Exchange Server domain in my lab environment. Once again Thankx bro! Reply January 30, 2013 at 5:58 am Satheshwaran Manoharan Thank you for your comments Jaison ! You are always welcome ! Reply

February 1, 2013 at 1:22 pm

Reply

On step:3 You have domain mail.careexchange.in but the OWA url doesn't point to the same address. Rather then it's the FQDN of your exchange server, which is not correct. You should be able to login to OVA using https://mail.careexchange.in/owa

Gulab

FireShot Capture 7 - How to Use a Self Signed Certificate i_ - http___www.careexchange.in_how-to-u

	Gulab	February 1, 2013 a	
	On step:3 You have domain mail.careexchange.in but the OWA url address. Rather then it's the FQDN of your exchange server, which	n is not correct.	
	Aren't you able to login to https://mail.careexchange.in/owa or yo server fqdn?		ne
	You should be able to login to OWA using https://mail.careexchar	ige.in/owa	Reply
	Satheshwaran Manoharan	February 2, 2013 a	
	Hi Gulab, I Understand. But the internal URL of my server is the FQI Cert has both the entries.		
	So both should work right ?		Reply
	check website	February 12, 2013 a	t 8:35 am
	This unique material you presents in this article is a top-notch and strategy and also structure in composition. Keep writing this kind		vating
			Reply
1	Satheshwaran Manoharan Thank you !	February 15, 2013 a	t 3:31 am
	A 1/4770/A		Reply
	yasir	February 21, 2013 a	t 7:29 am
	My cert is working on Server but I got an error on client PC i hav Personal,Trusted Root Certification Authorities,Intermediate Certif		
	Authoritiesbut still got an error with internet expl		
			Reply
	yasir Same the Issue facing like Grahamemail me	February 21, 2013 a	t 7:45 am
			Reply
	Satheshwaran Manoharan	February 22, 2013 at	
	Satheshwaran Manoharan Use MMC and trying importing the Cert and let me known	-	10:30 am
	Use MMC and trying importing the Cert and let me known	what happens	10:30 am Reply
	Use MMC and trying importing the Cert and let me known Terence AGius	what happens March 5, 2013 a	10:30 am Reply t 6:14 am
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