

Notice, the new network name is "LSUHEALTH" and is case-sensitive. The old network name was "LSUHSCS."

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# **Automatic Setup**

- 1. Click on the Wireless icon in your system tray that looks like ......
- 2. You will see a list of available networks.



- 3. Click on "LSUHEALTH", be sure the *Connect Automatically* box is checked and click *Connect*.
- 4. You should receive a Windows Security Alert. Click Connect.





- 5. You may receive the Windows Security Alert twice. Click Connect both times.
- 6. Once this is done, you should be successfully connected to the "LSUHEALTH" network.

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## **Manual Setup**

- 1. Download the Wireless Certificate file from the Information Technology website.
- 2. Click on *Start* then search for **certmgr.msc** from the *Search programs and files* box in the bottom-left corner of the Start menu.



3. Open certmgr.msc.





🖀 certmgr - [Certificates - Current User\Trusted Root Certification Authorities]			
File Action View Help			
Certificates - Current User     Personal     Enterprise Trust     Intermediate Certification Au     Intermediate Certification Au     Intermediate Certification Au     Intermediate Certificates     Intrusted Publishers     Intrusted Certificates     Third-Party Root Certificatior     Intrusted People     Other People     Ipcu     Certificate Enrollment Requee     Smart Card Trusted Roots	Object Type Certificates		
< <u>ااا</u> ۲	4 <u> </u>		
Trusted Root Certification Authorities store contains 366 certificates.			

4. Right-click on *Trusted Root Certification Authorities* and choose *All Tasks* and then choose *Import*.

📸 certmgr - [Certificates - Current User\Trusted	Root Certification Authorities]				
File Action View Help					
🗢 🌳 🞽 📰 📋 🗟 📑	⇔ ⇒   2 🗊 🗈   0 🔒   🛛 🖬				
Certificates - Current User  Personal  Trusted Post Certification A  Certific  Find Certificates	/pe icates				
▷ ☐ Interm All Tasks →	Find Certificates				
▷ ☐ Truste View ▶	Import				
Third-Refresh					
Truste Export List					
P ipcu Help					
<ul> <li>Certificate Enrollment Reque:</li> <li>Smart Card Trusted Roots</li> </ul>					
· · · · · · · · · · · · · · · · · · ·	4				
Add a certificate to a store					

5. Click Next.



	Welcome to the Certificate Import Wizard
<i>.</i>	This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store. A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where
	certificates are kept. To continue, dick Next.

6. Click *Browse* and locate the **wirelesscertchain.p7b** file you downloaded and click *Next*.

Certificate Import Wizard	<u> </u>
File to Import	
Specify the file you want to import.	
File name:	
Browse	
Note: More than one certificate can be stored in a single file in the following format	s:
Personal Information Exchange- PKCS #12 (.PFX,.P12)	
Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)	
Microsoft Serialized Certificate Store (.SST)	
Learn more about <u>certificate file formats</u>	
< Back Next > Ca	incel



ertificate Import Wizard
Certificate Store
Certificate stores are system areas where certificates are kept.
Windows can automatically select a certificate store, or you can specify a location for the certificate.
$\bigcirc$ Automatically select the certificate store based on the type of certificate
Place all certificates in the following store
Certificate store:
Trusted Root Certification Authorities Browse
Learn more about <u>certificate stores</u>
< Back Next > Cancel

8. Click Finish.

Certificate Import Wizard		×	
	Completing the Certificate Import Wizard		
	The certificate will be imported after	er you click Finish.	
You have specified the following settings:			
	Certificate Store Selected by Use	r Trusted Root Certifica	
	Content	PKCS #7 Certificates	
	File Name	\\psf\Home\Download	
	۲ III		
	< Back	Finish Cancel	

9. Click Yes.

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Security W	/arning	3
	You are about to install a certificate from a certification authority (CA) claiming to represent: Trusted Root CA G2 Windows cannot validate that the certificate is actually from "Trusted Root CA G2". You should confirm its origin by contacting "Trusted Root CA G2". The following number will assist you in this process: Thumbprint (sha1): E1D35085 BD1EA8A1 2F4373BF 599B664C E0072104 Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk. Do you want to install this certificate?	3
	Yes No	

## 10. Click Yes again.

arning	J
You are about to install a certificate from a certification authority (CA) claiming to represent: LSU Health System CA Windows cannot validate that the certificate is actually from "LSU Health System CA". You should confirm its origin by contacting "LSU Health System CA". The following number will assist you in this process: Thumbprint (sha1): C84683FB FAC60E9F DBDBE8F1 783C3D30 8EB06041 Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk. Do you want to install this certificate?	
Yes No	
-	You are about to install a certificate from a certification authority (CA) claiming to represent: LSU Health System CA Windows cannot validate that the certificate is actually from "LSU Health System CA". You should confirm its origin by contacting "LSU Health System CA". The following number will assist you in this process: Thumbprint (sha1): C84683FB FAC60E9F DBDBE8F1 783C3D30 8EB06041 Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk. Do you want to install this certificate?



Security Wa	arning
<u>^</u>	You are about to install a certificate from a certification authority (CA) claiming to represent: shv-SH-CA1
	Windows cannot validate that the certificate is actually from "shv-SH-CA1". You should confirm its origin by contacting "shv-SH-CA1". The following number will assist you in this process:
	Thumbprint (sha1): 114CA481 DE6B9D39 A2218ED3 FD91D236 177D0B92
	Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk.
	Do you want to install this certificate?
	Yes No

### 12. Click OK.



- 13. Close the certmgr window.
- 14. Click Start and then Control Panel.





15. Click Network and Internet.



16. Click Network and Sharing Center.

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- 17. Click Manage wireless networks on the left.
- 18. Click Add at the top.



19. Click Manually create a network profile.

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			x I
G 💷 Manually connect to	a wireless network		
Enter information	for the wireless network you want to add		
Network name:	LSUHEALTH		
Security type:	WPA2-Enterprise		
Encryption type:	AES		
Security Key:	Hide characters		
📝 Start this connect	✓ Start this connection automatically		
📝 Connect even if t	he network is not broadcasting		
Warning: If you s	Warning: If you select this option, your computer's privacy might be at risk.		
	Next		Cancel

- 20. Enter LSUHEALTH as the Network Name. LSUHEALTH must be in all capital letters.
- 21. Select **WPA2-Enterprise** as the *Security Type* and **AES** as the *Encryption Type*.
- 22. Check both boxes labeled: Start this connection automatically and Connect even if the network is not broadcasting.
- 23. Click Next.



	_ <b>_</b> ×
Manually connect to a wireless network	
Successfully added I SUHEALT H	
Change connection settings	
Open the connection properties so that I can change the settings.	
	Close
	Close

24. Click Change connection settings.



LSUHEALTHWireless Network Properties
Connection Security
Name: LSUHEALTH
SSID: LSUHEALTH
Network type: Access point
Network availability: All users
Connect automatically when this network is in range
Connect to a more preferred petwork if available
Connect even if the network is not broadcasting its name (SSID)
Connect events are network is not broadcasting its name (bab)
OK Cancel

- 25. Be sure the following checkboxes are checked: *Connect automatically when this network is in range* and *Connect even if the network is not broadcasting its name (SSID)*.
- 26. Click on the Security tab.



LSUHEALTH Wireless Network Properties		
Connection Security		
Security type:	WPA2-Enterprise 🔹	
Encryption type:	AES 🔻	
Choose a network aut	thentication method:	
Microsoft: Protected	EAP (PEAP)    Settings	
Remember my creatine I'm logged on	dentials for this connection each	
Advanced settings		
	ОКС	ancel

- 27. Be sure **WPA2-Enterprise** is set as the *Security Type* and **AES** is set as the *Encryption type*.
- 28. Be sure **Microsoft: Protected EAP (PEAP)** is selected under *Choose a network authentication method* and the box labeled *Remember my credentials for this connection each time I'm logged on* is checked.
- 29. Click the *Settings* button.



Protected EAP Properties
When connecting: Validate server certificate Connect to these servers:
Trusted Root Certification Authorities:
Go Daddy Class 2 Certification Authority GTE CyberTrust Global Root http://www.valicert.com/ http://www.valicert.com/ LSUHSC-S CA LSUHSC-S CA
Do not prompt user to authorize new servers or trusted certification authorities.
Select Authentication Method:
Secured password (EAP-MSCHAP v2)  Configure Configure
Enforce Network Access Protection
Disconnect if server does not present cryptobinding TLV     Enable Identity Privacy
OK Cancel

- 30. Validate server certificate should be checked at the top.
- 31. Under *Trusted Root Certification Authorities* (listed in alphabetical order check all references to *GlobalSign* and *Trusted Root* and *LSU Health System* and finally *shv-SH-CA1*. If you do not see these in the list, click *Cancel* all the way out and please refer to the section below to install this certificate. Click here to jump to that section.
- 32. Be sure Secured password (EAP-MSCHAP v2) is selected for Select Authentication Method.
- 33. Click the *Configure* button.



EAP MSCHAPv2 Properties	<u> </u>
When connecting:	
Automatically use my Windows logon nam	e and
password (and domain if any).	
OK Cancel	

- a. If you logon to your computer using your UHSYSTEM\username and password, be sure this check box is checked for Automatically use my Windows logon name and password (and domain if any).
- b. If you use a different username and password to logon to your computer, uncheck the box for Automatically use my Windows logon name and password (and domain if any). Please note, this will require you to authenticate using your UHSYSTEM\username and password, once the computer is started up, to connect to the "LSUHEALTH" wireless.
- 34. Click OK.
- 35. Click OK.



LSUHEALTH Wireless Network Properties		
Connection Security		
Security type:	WPA2-Enterprise	
Encryption type:	AES 🔻	
Choose a network aut	thentication method:	
Microsoft: Protected	EAP (PEAP)	
Remember my creative I'm logged on	dentials for this connection each	
Advanced settings		
	ОК Са	ncel

36. Click the *Advanced Settings* button.



Advanced setting:	s	×
802.1X settings		
Specify a	uthentication mode:	
User or o	computer authentication 🔻	Save credentials
Delete	e credentials for all users	
Enable sir	ngle sign on for this network	
Perfor	rm immediately before user logo	on
Perfor	rm immediately after user logor	1
Maximum	delay (seconds):	10 *
Allow sign o	additional dialogs to be display n	ed during single
This n and u	etwork uses separate virtual L ser authentication	ANs for machine
		OK Cancel

- 37. Check the box labeled *Specify authentication mode* and make sure *User or computer authentication* is selected.
- 38. Click OK.
- 39. Click Close.
- 40. Close the Manage wireless networks window.
- 41. You should now be successfully connected to the "LSUHEALTH" network.
- 42. If your computer doesn't automatically connect, click on the Wireless icon in the system tray that looks
- 43. You will see a list of available networks.
- 44. Click on "LSUHEALTH", be sure the *Connect Automatically* box is checked (if present) and click *Connect*.



Currently connected to: Isuhsc-s.edu Internet access	49	
Wireless Network Connect	tion 🔺	
LSUHEALTH	Connected	
LSUHSCS		
Open Network and	Sharing Center	
- 🍽 🗑	.atl 🔥 1:32 PM	

45. If you logged onto your computer using your UHSYSTEM\username and password, you should now be successfully connected to the "**LSUHEALTH**" network. If you used a different username and password, your computer should prompt you for your UHSYSTEM\username and password. Be sure to enter your username in the following format: UHSYSTEM\username.

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## **Installing the Wireless Certificates**

Please refer to this section only if one or more of the certificates from step 18 are missing.

- 1. Download the Wireless Certificate file from the Information Technology website.
- 2. Click on *Start* then search for **certmgr.msc** from the *Search programs and files* box in the bottom-left corner of the Start menu.

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3. Open certmgr.msc.





4. Right-click on *Trusted Root Certification Authorities* and choose *All Tasks* and then choose *Import*.



a certmgr - [Certificates - Current U	🖀 certmgr - [Certificates - Current User\Trusted Root Certification Authorities]		
File Action View Help	File Action View Help		
🗢 🤿 🖄 🗊 📋 🗟 😖			
Certificates - Current User Personal	Object Ty	/pe	
Trusted Poot Confication Au     Find Certification Au     Find Certificates.		lates	
▷ ☐ Interm All Tasks ▷ ☐ Active	•	Find Certificates	
Truste View Untru:	•	Import	
Third- Refresh			
▷ ☐ Truste Export List			
▷ Other ▷ <sup>□</sup> ipcu Help			
Certificate Enrollment Reques			
Smart Card Trusted Roots			
4 III +	•		
Add a certificate to a store			

#### 5. Click Next.



6. Click *Browse* and locate the **wirelesscertchain.p7b** file you downloaded and click *Next*.

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File to Import		
Specify the file you want to import.		
File name:		
		Browse
Note: More than one certificate can b	e stored in a single file in the fo	llowing formats:
Personal Information Exchange- Pl	<cs #12="" (.pfx,.p12)<="" td=""><td></td></cs>	
Cryptographic Message Syntax Sta	andard- PKCS #7 Certificates (.F	?7B)
Microsoft Serialized Certificate Stor	re (.SST)	
earn more about certificate file formats		
commore about <u>certificate nie formata</u>		
	< Back Next 3	> Cance

7. Click Next.

Certificate Import Wizard
Certificate Store
Certificate stores are system areas where certificates are kept.
Windows can automatically select a certificate store, or you can specify a location for the certificate.
$\bigcirc$ Automatically select the certificate store based on the type of certificate
Place all certificates in the following store
Certificate store:
Trusted Root Certification Authorities Browse
Learn more about <u>certificate stores</u>
< Back Next > Cancel

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8. Click Finish.

Certificate Import Wizard		×
	Completing the Certifi Wizard	cate Import
	You have specified the following set	tings:
	Certificate Store Selected by User Content	Trusted Root Certifica PKCS #7 Certificates
	< <u> </u>	•
		(
	< Back F	inish Cancel

9. Click Yes.

Security Wa	arning
<u>^</u>	You are about to install a certificate from a certification authority (CA) claiming to represent: Trusted Root CA G2 Windows cannot validate that the certificate is actually from "Trusted Root CA G2". You should confirm its origin by contacting "Trusted Root CA G2". The following number will assist you in this process:
	Thumbprint (sha1): E1D35085 BD1EA8A1 2F4373BF 599B664C E0072104 Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk. Do you want to install this certificate?
	Yes No

10. Click Yes again.

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Security Warning		
<u>^</u>	You are about to install a certificate from a certification authority (CA) claiming to represent: LSU Health System CA Windows cannot validate that the certificate is actually from "LSU Health System CA". You should confirm its origin by contacting "LSU Health System CA". The following number will assist you in this	
	Thumbprint (sha1): C84683FB FAC60E9F DBDBE8F1 783C3D30 8EB06041 Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk.	
	Do you want to install this certificate?	
	Yes No	

### 11. Click Yes again.

Security Warning		
<u>^</u>	You are about to install a certificate from a certification authority (CA) claiming to represent: shv-SH-CA1 Windows cannot validate that the certificate is actually from "shv-SH-CA1". You should confirm its origin by contacting "shv-SH-CA1". The following number will assist you in this process:	
	Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk. Do you want to install this certificate?	
	Yes No	

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12. Click OK.



- 13. Close the certmgr window.
- 14. Proceed to the Manual Setup instructions above.

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