SIM Wireless Network Guide

Student/Associate/Member SIMGE/SIMPD



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Version History

Version	Date	Changed By	Operation
1.0	21 January 2015	Mark Anthony Rebuldad	Creation
2.0	22 May 2018	Mark Anthony Rebuldad	Revised guide for Windows
2.1	23 January 2019	Giovanni Arensol	Update guide for Android
2.2	17 June 2019	Giovanni Arensol	SIM_WiFi Password Update
2.3	18 January 2023	Giovanni Arensol	SIM Logo Update and Remove Windows 7 and XP

Important Note: When password changed, personal wireless devices and non-domain computers password has to be updated manually.

Before changing your passwords, please "forget" SIM_WiFi on all your wireless network devices first. Connect to SIM_WiFi again after you have changed your password.

Explanation: Non-domain computers are those computers which do not require your SIM account to logon (ie, personal laptop, SIM macbook, PCs issued to SIM partner universities).

Windows 8/10

1) Click on the wireless network icon

on the lower right of your screen.



2) From the list of Wireless Network Connections, choose SIM_WiFi and click on Connect.



3) You will be prompted for username and password. Key in the Credentials. Example: username: "johnho": username should be: simstudent\johnho



Note: Username and password is the same with SIMCONNECT account.

Windows 8/10 – Manual WiFi Connection

1) Right-click the network icon on the bottom right of your screen and select Open Network and Sharing Center.



2) Click on "Set up a new connection or network" and choose "Manually connect to a wireless network" then "Next".



2a) Use the settings below then click **NEXT** >>> Click on "Change Connection Settings"

 Manually connect to a wireless network 	
Enter information for the wireless network you want to add	 Manually connect to a wireless network
Network name: SIM_WiFi	Successfully added SIM_WiFi
Security type: VPA2-Enterprise V	
Encryption type: Vertical AES V	Change connection settings Open the connection properties so that I can change the settings.
Security Key: Hide characters	
✓ Start this connection automatically	
Connect even if the network is not broadcasting Warning: If you select this option, your computer's privacy might be at risk.	
Next Cancel	

3) Go to the **Security** tab.

Under "Choose a network authentication method" make sure "Microsoft: Protected EAP" is selected and Click on "Settings"

Second Second		
S <u>e</u> curity type:	WPA2-Enterprise	¥
Encryption type: Choose a network a	AES	~
Microsoft: Protecte ✓ <u>R</u> emember my cr time I'm logged c	d EAP (PEAP) <u>Setti</u> redentials for this connection each on 	ings
A <u>d</u> vanced setting	js	

4) Uncheck "Verify the server's identity..." Then click on the "Configure" button as shown below.

When connecting: Werify the server's identity by validating the certificate Connect to these servers (examples:srv1;srv2;.*srv3\.com): Trusted Root Certification Authorities: AddTrust External CA Root AGATE Baltimore CyberTrust Root CA Certum CA Certum Trusted Network CA Class 3 Public Primary Certification Authority < Xotifications before connecting: Tell user if the server name or root certificate isn't specified Secured password (EAP-MSCHAP v2) Enable East Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV	Protected EAP Properties	
Verify the server's identity by validating the certificate Connect to these servers (examples:srv1;srv2;.*\.srv3\.com): Trusted Root Certification Authorities: AddTrust External CA Root AGATE Baltimore CyberTrust Root CA Certum CA Certum Trusted Network CA Certum Trusted Network CA Cass 3 Public Primary Certification Authority < Notifications before connecting: Tell user if the server name or root certificate isn't specified Secured password (EAP-MSCHAP v2) Configure Canada Cana	When connecting:	
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Notifications before connecting: Tell user if the server name or root certificate isn't specified Secured password (EAP-MSCHAP v2) Configure Enable East Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy	< >	
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Select Authentication Method: Secured password (EAP-MSCHAP v2) ✓ Configure ✓ Enable Fast Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy		
Secured password (EAP-MSCHAP v2) Configure Enable East Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy OK	Select Authentication Method:	
Enable Fast Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy	Secured password (EAP-MSCHAP v2) V Configure.	
Enforce <u>N</u> etwork Access Protection Disconnect if server does not present cryptobinding TLV Enable <u>I</u> dentity Privacy OK	Enable East Reconnect	-
Enable Identity Privacy	Enforce Network Access Protection	
	Disconnect if server does not present cryptobinding TLV	
OK Correl		
OK Canad		
UK Cancel	OK Cancel	I

5) Make sure the below Option is **Unchecked**: Then "**OK**" and "**OK**"

EAP MSCHAPv2 Properties
When connecting:
Automatically use my Windows logon name and password (and domain if any).
OK Cancel

6) Then Click "Advanced Settings"

SIM_Wi	Fi Wireless Network Pr	operties ×
Connection Security		
Security type:	WPA2-Enterprise	~
Encryption type:	AES	~
Choose a network aut	hentication method:	
Microsoft: Protected	EAP (PEAP) V	Settings
Remember my creative time I'm logged on time I'm logged on	dentials for this connect	ion each
Advanced settings		
		OK Cancel

7) Tick on "Specify Authentication mode:" and choose "User authentication" Then Click "Save credentials"

Advanced settings	×
802.1X settings 802.11 settings	
Specify authentication mode:	
User authentication Y Save gredentials	
Delete credentials for all users	11
Enable single sign on for this network	
Perform immediately before user logon	
Perform immediately after user logon	
Maximum delay (seconds):	
✓ Allow additional dialogs to be displayed during single sign on	
This network uses separate virtual LANs for machine and user authentication	
	1
OK Cancel	

 Key in the Credentials. Example: username: "johnho": username should be: simstudent\johnho

Windows Security	<
Save credentials Saving your credentials allows your computer to connect to the network when you're not logged on (for example, to download updates).	
simstudent\johnho	
OK Cancel	

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Macbook

1) Click on the wireless network icon on the upper right of your screen. Click SIM_WiFi to connect.



You will be prompted for username and password. Key in "simstudent\" followed by your username and password. Click Join.
 Example for username "johnho": username should be: simstudent\johnho

The Wi-F enterpris	i network "SIM_WiFi" requires WPA2 se credentials.	?	The Wi-Fi enterprise	network "SIM_WiFi" requires WPA2 credentials.
Username Password			Username: Password:	simstudent\ <username></username>
1 400 1010	Show password Remember this network			 Show password Remember this network
?	Cancel Join	?		Cancel Join

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3) A certificate warning might pop up after you key in your credentials. Click on "**Continue**".



4) There will be another prompt to key in your macbook username and password to make changes on your computer. Key in your macbook username and password and click on "Update Settings".

You are ma Settings. Ty	king changes to your Certificate Trust pe your password to allow this.
Username:	<your macbook="" username=""></your>
Password:	<your macbook="" password=""></your>

5) You are now connected to SIM_WiFi.



Android

1) Got to settings. >> Tap Wi-Fi to see the options available.



2) Look for the network named "SIM_WiFi" and connect.

	🕕 🛱 🛱 📶 🖅 4:43 pm
< Wi-Fi	
SIM_Staff Connected	(i)
CPPM-Guest Saved	(ŀ.
SIM_Student/Associat	te 🤅
UniSIM_Staff Saved, secured with WP	A2
SIM_WiFi Secured with 802.1x	A
Member/Guest	((i·

3) Use the below settings to logon to "SIM_WiFi"; key in "simstudent\" followed by your username and password. Click OK. Example for username "johnho": username should be: simstudent\johnho



***to some android phone, MSCHAPV2 is found in advanced and tap on Phase 2 Authentication.

- *** If there is a field for "Anonymous Identity", please leave it blank***
- 4) You should be connected to "SIM_WiFi" now.

iPhone

1) Got to **WiFi settings** >> tap on **SIM_WiFi** to connect.



 Key in "simstudent\" followed by username and password then tap on "Join". Ex: for username "johnho": username should be: simstudent\johnho

-		
Cancel	Enter Password	Join
Username	simstudent\ <user< td=""><td>name></td></user<>	name>
Password	•••••	

 A certificate warning might pop up after you key in your credentials. Tap on "Accept".

	Certificate	
S G	ecurelogin.arubanet	wo
N	ot Verified Ac	cept
Description	Client Authentication	
Expires	Aug 11, 2017, 12:40:59	
More Detai	ls	

4) You are now connected to "SIM_WiFi".



Windows Phone

1) On your Wi-Fi settings page, tap on **SIM_WiFi** to connect.



 Key in "simstudent\" followed by username and password.
 Ex: for username "johnho": username should be: simstudent\johnho
 Then Follow Settings as below then Tap "done"

onow Settings as below	and the done
	10:33
SIGN IN	
Connecting to the secure WiFi	network Unified.
Connect using	
username+password	
Username	
simstudent\ <username></username>	
Password	
•••••	
Show password	
Server certificate validation	
always ask me	
EAP method	
PEAP MS-CHAP v2	
done	cancel

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3) In some cases, a certificate warning might pop up after you key in your credentials. Tap on "**Accept**".

Accept certificate and connect?
This certificate helps ensure that you're connecting to the genuine Unified network and not a different one with the same name.
If the names below aren't what you expect, tap Cancel.
Issued to: ILUge2fRPkWcJe7boLSVdsKOFK8wv3MF, US, securelogin.arubanetworks.com, GT28470348, See www.geotrust.com/resources/cps (c)11, Domain Control Validated - QuickSSL(R) Premium, securelogin.arubanetworks.com
Issued by: GeoTrust DV SSL CA
accept cancel

4) You are now connected to **SIM_WiFi**.



SIM_WiFi Password Update for Windows 8/10

- Make sure to Forget the current/existing connection of SIM_WiFi for all devices.
 - a. Click the Wifi Status and point the mouse cursor to **Properties** Then Right Click.





SIM_WiFi Password Update for Android

4)

4:52

- 1) Go to settings.
- 2) Tap Network & Internet or Wireless & networks whichever is available on your phone.



Mobile network

~	Network details	/ < 0	← Wi-Fi	
	SIM_WiFi		Wi-Fi	
	Connected		AVAILABLE NETWORKS	
			SIM_WiFi Connected	
	Forget		SCAQExam Saved, encrypted	
$\overline{\mathbf{v}}$	Signal strength	Good	SIM GE Graduation Saved, encrypted	
Ŕ	Frequency	5 GHz	eduroam Encrypted	
â	Security	802.1x EAP	DIRECT-EYRICKTAYmsPG Encrypted (WPS available)	
\$	Metered Detect automatically		SIM_Guests Open	
	Network details		Status	
	MAC address	58:cb:52:29:ca:3c	Signal strength	
	IP address	10.31.67.69	Link speed	
	Gateway	10.31.64.1	Frequency	
	Subnet mask	255.255.0.0	Encryption type	
	DNS	10.10.50.73	CANCEL	
	<	10.10.30.74	~ < 0 [

Tap SIM_WiFi and Forget. Just select whichever available on your

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5) Connect to SIM_WiFi with new password.

StarHub Data usage

3.66 GB of data used

0

SIM_WiFi Password Update for iPhone

1) Go to settings.



3) Tap SIM_WiFi



Tap Forget .		
III Singtel 🗢	10:46 AM	7 0 65% 💻
< Wi-Fi	SIM_WiFi	
Forget This N	etwork	
Auto-Join		
IF V4 ADDRESS		
Configure IP		Automatic >
IP Address		10.31.234.243
Subnet Mask		255.255.0.0
Router		10.31.64.1
Renew Lease		
DNS		
Configure DN	S	Automatic >
HTTP PROXY		

5) Connect to SIM_WiFi with new password.

4)

SIM_WiFi Password Update for MacBook

1) Click on the wireless network icon on the upper right of your screen. Click Open Network Preferences.

🗞 🔁 🔇 🚯 🕚 🕴 🛜 🛋 10% 🖓 Mon 2:09 PM : Looking for Networks... Turn Wi-Fi Off Personal Hotspot Jon's iPhone Xs Max •0000 4G D ✓ SIM_WiFi () (1: DIRECT-EYRICKTAYmsPG (eduroam (MERMC2019 SCAQExam ((SIM_Guests Device PD148271A4204Name48270C0001... 0 00 Join Other Network... Create Network Open Network Preferences...

2) Click Advanced...

Loc	ation: Automatic		
Wi-Fi	Status:	Connected	Turn Wi-Fi Off
Bluetooth PAN Not Connected		Wi-Fi is connected to SIM address 10.31.8.33.	
• ThundeIt Bridge	Network Name:	SIM_WiFi	
		🗹 Automatically jo	in this network
		Ask to join new networks	
		Known networks wil no known networks to manually select a	I be joined automatically. If are available, you will have network.
	802.1X:	Default	Disconnect
		Authenticated via EAF Connect Time: 00:07	P-PEAP (MSCHAPv2) 26
+ - &-	Show Wi-Fi status	in menu bar	Advanced

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3) Select **SIM_WiFi** then click Remove button – and click **OK**



4) Connect to **SIM_WiFi** with new password.