Stellenbosch University

Registering a smart device and installing the eduroam CAT tool -Android

Basic user guide – Internal use only

IT Department 12-8-2021

Table of Contents

Intended Audience	2
Disclaimer	2
Getting your device registered and connected to eduroam using the eduroam configuration assistant tool	3
Password Changes	31

Intended audience

This guide is intended to assist students and staff in registering an android device for connectivity to the campus wifi network namely "Eduroam".

Disclaimer

The steps in this guide are intended to assist users as best as possible who are using Samsung or Huawei devices running Android 10 or 11. We have, however noted that even though two devices may have the same Android version or are made by the same manufacturer they differ slightly in how you connect to wifi networks which may affect the accuracy of this guide such as the MAC address randomisation feature which some Huawei phones do not have. In such instances you may apply logical judgement where possible in selecting the relevant settings and if you are still unable to successfully register your device then contact IT at <u>help@sun.ac.za</u> and log a request to be assisted further.

Getting your device registered and connected to eduroam using the eduroam configuration assistant tool.

Step 1: At the Home screen swipe down from the top



Step 2: From the screen that appears below tap and hold on the wifi icon





Step 3: Tap and hold on RegisterMe until the context menu appears and tap Connect to network.

Step 4: Tap on Advanced



Step 5: Tap MAC address type and then select Phone MAC

8:34	al 🟛	8:34		al 🚔
Auto reconnect	0	Auto reconnect		
Advanced	^	Advanced		^
IP settings DHCP		IP settings DHCP		
Proxy None		Proxy None		
Metred network Detect automatically		Metred network Detect automatically		
MAC address type Randomised MAC		Randomised MAC	~	
Connect		Co	onnect	
				,
		111	0	

Step 6: Tap on Connect



Step 7: You can minimise the screen below if you are presented with it.



Installing the Eduroam CAT tool from the Google Play Store

Step 8: From your device go to the Play Store. This step may differ based on your device. It is the user's responsibility to know how to perform this but as a guideline the Play Store App may be illustrated as outlined in red below.

Note: Newer Huawei devices do not support Google Mobile Services so the Play Store cannot be accessed – In this instance you will use the Huawei App Gallery, scroll down to page 14 below for steps to install the Eduroam CAT tool from the Huawei App gallery.



Step 9: Search the Play Store for "eduroam cat" and tap on the search result that appears as outlined in red below.

2:41		أ الر بي
\leftarrow	eduroam cat	×
uunii)	eduroam CAT	
Q	eduroam cat	
Q	eduroam cat application	Г
Q	eduroam cat app	
Q	eduroam cat tool	
Q	eduroam cat geant	



Step 10: Tap Install once presented with the below screen. Once installed you can close the Play Store.





Installing the Eduroam CAT tool from the Huawei App Gallery

Step 8: From your Huawei device go to the Huawei App Gallery. This step may differ based on your device. It is the user's responsibility to know how to perform this but as a guideline the Huawei App Gallery may be accessed as illustrated below.



Step 9: In the search field type "eduroam cat" and then tap SEARCH as outlined in red below.



Step 10: From the search results, tap "Get" alongside the eduroam CAT result. You will then be redirected to a screen as shown to the right below.



You will need to wait a few seconds for a prompt to appear as shown below. Once the prompt appears tap Download. You should then see the download progress at the bottom of your screen as shown to the right below. Wait for the download to complete.





Once the download completes you will automatically be presented with the below message on screen. If you are presented with the screen on the right tap SETTINGS

Tap Allow app installs to turn on the feature as shown below. Then tap the back arrow as outlined below.



your device and personal data more vulnerable to security threats.

 \triangleleft 0 \Box

 \triangleleft \bigcirc

security threats.

Tap INSTALL, the installation should take a few minutes. Your device should display a confirmation message once the installation is complete. To verify if the eduroam CAT tool is installed you can navigate through your list of apps until you see an icon for the eduroam CAT tool as shown below.





Step 11: Go back to your Home screen and open a web browser such as Google Chrome as outlined in red below.



Step 12: Go to the following web url – https://registerme.sun.ac.za





Step 13: Enter your username and password then tap Sign in. (Do not append @sun.ac.za to your username at this screen). Once signed in, tap the button that indicates your preferred language.

8;19 ବି: ଓ No internet connection	8:19 කි 🖎 No internet connection	<u>ا</u> ا ن <u>ن</u>	
☆ ⑦ registerme.sun.ac.za		1	•
Sign in https://registerme.sun.ac.za requires a username and password. Username Username	Gaan voort in Afrikaans		
Password Cancel Sign in	Proceed in English		
Image:			
q w e r t y u i o p			
asdfghjkl			
☆ z x c v b n m <			
!#1 ? English (US) . Next			
		<	

Step 14: Select the checkbox and click on Confirm.



Step 14: Tap the combo box in the Device Type row and select the option that applies to your device.



Step 15: Enter the serial number of your device if available or if not then tap the button below it to automatically populate this field. It will automatically populate with your US number, if you choose to use this option then append a few digits to the end to avoid any conflicts should you be registering multiple devices eg. Append a 00 for your first device then a 01 for your next device and so forth.



Step 16: You will then need to enter your contact number, choose your location/building that you are based in and select your room number. See below screen shots summarising this.





	III O	<
	8:35 জ	(하.d)
	Gebou? / Building?	0
	AANKOPE EN VOORSIENINGSDIENSTE	0
1444	ACADEMIA BLOCK 01	0
	ACADEMIA BLOCK 02	0
M (2	ACADEMIA BLOCK 03	0
M	ACADEMIA BLOCK 04	0
re IP D	ACADEMIA BLOCK 05	0
Se	ACADEMIA BLOCK 06	
ot	ACADEMIA BLOCK 07	0
10	ACADEMIA BLOCK 08	0
	ACADEMIA BLOCK 09	0
	ACADEMIA BLOCK 10	0
	ACADEMIA BLOCK 11	0
	III 0	<

8:35 🗟		କି 🗐 🛔
Kamer? / Ro	om?	0
0001		0
0002		0
0003		0
0009		0
0010		0
1000		۲
1001		Oria
1002		0
1003		0
1004		0
1011		0
10113		0
	0	<

Step 17: Supply a hostname then tap Register Me and wait a few seconds after this for the details to process. If there is a problem with any of the fields in which you entered details then you will be prompted as to which field you need to rectify. If there's no issue then wait a few moments for your details to process after which you will be automatically redirected to the next screen.

8:36 🤅			ار (ج	
	Ճ No internet connection			
1 🔒 regis	terme.sun.ac.za	1)	:
MAC address b0:6f:e0:cd:00:12				
You have registered 269 IP address(es)				
Device Type	Phone Android 🔻			
Serial Number	23136928001 Click here if your device does r	ıot ha۱	/e a s	erial
Cellular or other contact number	0218084367			
Choose your location	INFORMATION AND COMMUN	ICATIO	N TE	CHN
Choose your room	1000 •			
Supply a hostname for your device,				
letter and consisting only	samsung-A80-test			
and hyphens	Register Mel	1		
111	0	<		

Step 18: At the below screen, Tap on Eduroam Configuration Assistant Tool which is underlined.

8:36 ຈີ & No internet State St	হা ,ıl 🛔
ou IP is 10.110.102.145 Welcome Mr MJ Pillay (23136928) NAC ost MAC address hotof.ebr.dc.doi:12 You have registered 269 IF address(es) Device Type Serial Numher Cellular or other contact numher Choose your location Choose your location Choose your room Supply a hostname for your device, starting with a letter and consisting only of letters, digits and hyphens	Phone Android • 21134/20001 Click here if your device does not have a serial number 0218084357 1000 • 1000 • samsung aBD test
 Download the Eduroam CAT at Eduroam Configuration Assistant Tool Forget the eduroam network Execute the downloaded CAT to properly configure your device for eduroam access to Stellenbosch University Connect to eduroam in order to use the network. Use your email address (xyz@sun.ac.za) as username! Alternatively you can download and install the following certificate to do a manual setup of the 	
Connection <u>eduroamca</u>	0 (

Step 19: You will be automatically redirected to the cat.eduroam.org webpage which automatically detects your specific operating system. In the below screen it is Android 11, however yours may differ. Simply click on the button that states the Android version as outlined in red below, then tap Continue from the menu that appears as outlined in red below.



Step 20: Once the download completes tap on Open, outlined in red below.



Step 21: Tap Install on the screen that appears. Then tap Yes in the subsequent window that prompts for profile installation.

8:22 ज़ि	∎ اا' ن	8:22			ار بنج الار بنج
السيبية Install Configuration File		K same	nstall Configura	ation File	
Configuration File Summary		Con	figuration F	ile Sun	nmary
Provider Name:Stellenbosch University Description:Stellenbosch University		Provio	der Name:<mark>Stelle</mark>nl ription:Stellenbos	<mark>oosch Univ</mark> ch Universi	ersity ity
Authentication Method #1		Auth	nentication M	ethod #1	l –
EAP Method Type: 25/PEAP Inner EAP Method Type: 26/MSCHAPv2 Authentication Server: eduroam0.sun.ac.za Authentication Server: eduroam1.sun.ac.za CA Certificate CN: CN=eduroam.sun.ac.za		EAP M Inner Authe Authe CA Ce	Method Type: 25/ EAP Method Type entication Server: entication Server: ertificate CN: CN=	PEAP e: 26/MSC eduroam0 eduroam1 eduroam.s	HAPv2 .sun.ac.za .sun.ac.za sun.ac.za
Support Information		s	nstall Profil	е	
Email Address:help@sun.ac.za Phone Number: Terms of Use: Web Address:http://infoteg.sun.ac.za/netcon /eduroam.htm	L	E P T A W p	re you sure yo rofile?	ou want	to install the
			No		Yes
Discard	11	l	Discard		Install
Discaru			Discard		Install
III O <			Ш	0	<

Step 22: In the username field enter your Stellenbosch University email address (ensure that there are no spaces in this field), then enter your login password associated with your email account. Then tap Install. You should see a message stating "Profile installed"



Step 23: Close or minimise the Eduroam CAT app and go back to your Home screen and swipe down from the top of the screen. Then tap and hold the wifi icon until the settings window appears.

	🛢 lii. 🗟 🍳
•	Stellenbosch
<u>~</u> 10	6° 🌧 🌧 🟯 Thu Fri Sat
05/	/05, 8:08 am 🕐
Instagram Exce	
$\mathbf{\rho}$	
Pinterest Facebo	ook Windfinder EskomSePu <mark>s</mark> h
111	0



Step 24: Tap the gear icon alongside eduroam. Then tap on Advanced.



Step 25: Tap Mac address type and select Phone MAC. Then tap the back arrow at the top left of the screen.



Step 26: At the below screen tap eduroam to connect it if your device has not already connected to it.



Final Step: You should see the below screen verifying that you are connected to eduroam.



Password Changes

Very Important

Password Changes: When your login password does change which is around every 90 days then your device will need the new password in order to connect to Eduroam again. To do this open up the eduroam CAT application that was installed in earlier steps. You should see the same window as in step 22 of this guide. Simply input your email address and new password here and tap Install then repeat steps 23 to 26 of this guide.