

[Home](#)

[How to use the
guide](#)

[What is MFA?](#)

[What must I
do?](#)

[Microsoft
Authenticator
Application](#)

[Google
Authenticator
Application](#)

[Hardware
Token](#)

[FAQ](#)

Multi-Factor Authentication

User guide

January 2024



[ICT Partner portal](#)



021 8084367



Stellenbosch
UNIVERSITY
IYUNIVESITHI
UNIVERSITEIT

forward together
sonke siya phambili
saam vorentoe

[Home](#)

How to use the guide

[How to use the guide](#)

1. Select the topic (on the left)
2. Complete the steps as required

If you can't find a topic log a call on our [ICT Partner portal](#)

[What is MFA?](#)

[What must I do?](#)

[Microsoft Authenticator Application](#)

[Google Authenticator Application](#)

[Hardware Token](#)

[FAQ](#)



[ICT Partner portal](#)



021 8084367

What is Multi-Factor Authentication (MFA)?

When you sign into your account (a process we call "authentication") you're proving to the service e.g. SUNFin or SUNStudent that you are who you say you are.

Traditionally that's been done with a username and a password. Unfortunately, that's not a very good way to do it and that is why Microsoft 365 has added a way for your account to be more secure called Multifactor Authentication.

When you sign into your account you will need a second factor to prove who you are. A factor in authentication is a way of confirming your identity when you try to sign in. The three most common factors are:

Something you know – like a password.

Something you have – like a smartphone and authenticator application or a secure USB key (hardware token).

Something you are – like a fingerprint or facial recognition.

Multifactor Authentication therefore gives you access to applications, services or products and secure you and the University against username and password theft.



1. Connect to the Wi-Fi or to mobile data on your mobile device
2. Have a Smart Mobile devices where you can download the Authenticator Application
3. A mobile number belonging to you and is not shared with anybody
4. Select an authentication method:
 - a. An Authenticator Application (preferred method)
 - b. Hardware Token
 - Requires motivation from your Departmental Head
 - You will have to purchase the hardware token

NB: You only need to register once to use MFA for SU services requiring MFA



Microsoft Authenticator Application

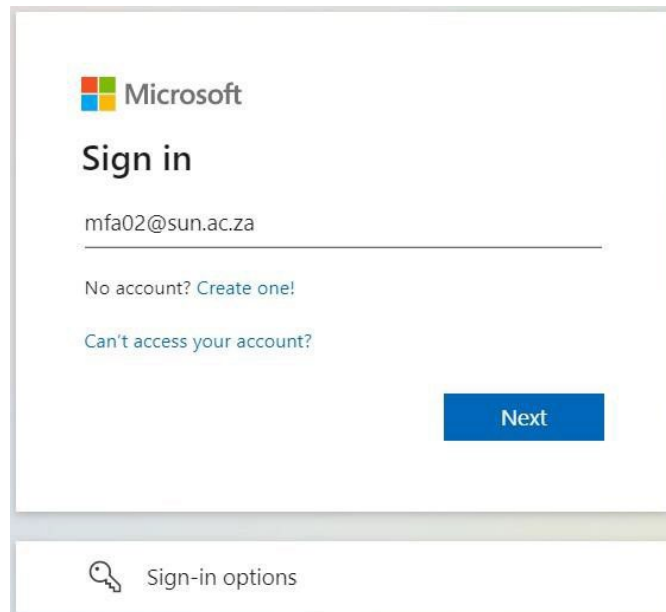
1/15

30 Easy steps

IMPORTANT: Some of the Huawei cell phones are incompatible with the Microsoft Authenticator Application. If the Microsoft Authentication application is not available on the Huawei App Gallery, you will have to use the Google Authenticator Application as your method of authentication.

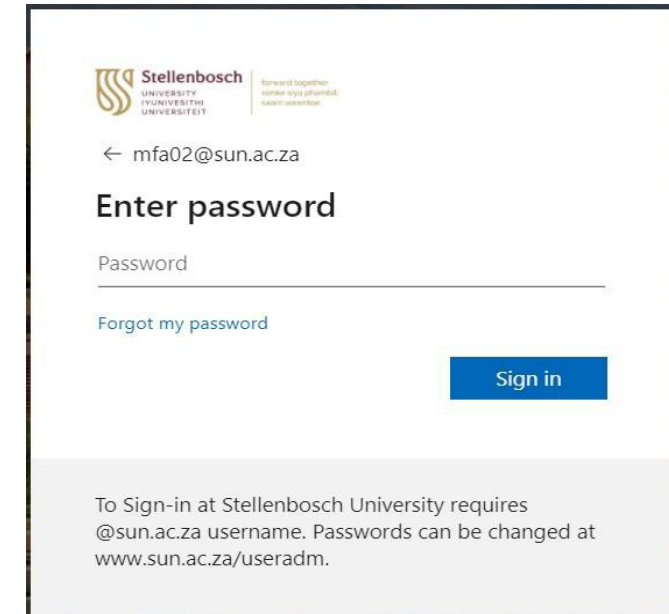
1.

On your computer, open [MFA Setup](#). You will be prompted to sign in with your Stellenbosch University credentials. First type in your email address and click Next.

A screenshot of the Microsoft Sign in page. At the top is the Microsoft logo. Below it is the text "Sign in". There is a text input field containing "mfa02@sun.ac.za". Below the input field are two links: "No account? Create one!" and "Can't access your account?". At the bottom right is a blue "Next" button. At the bottom left is a link icon followed by the text "Sign-in options".

2.

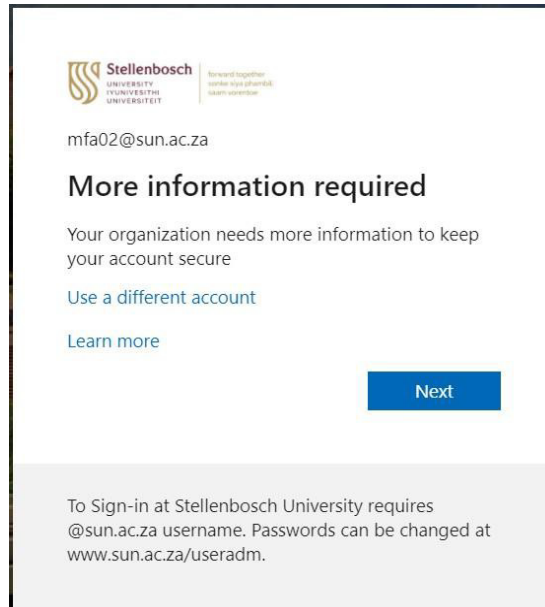
Enter your password and click **Sign in**.

A screenshot of the Stellenbosch University Sign in page. At the top is the Stellenbosch University logo and the tagline "forward together make your phd! make your sun!". Below the logo is a back arrow followed by the email address "mfa02@sun.ac.za". The main heading is "Enter password". There is a text input field for the password. Below the input field are two links: "Forgot my password" and a blue "Sign in" button. At the bottom, there is a grey box containing the text: "To Sign-in at Stellenbosch University requires @sun.ac.za username. Passwords can be changed at www.sun.ac.za/useradm."

3.

You will be requested to enable additional security on your account. Click **Next** to proceed.

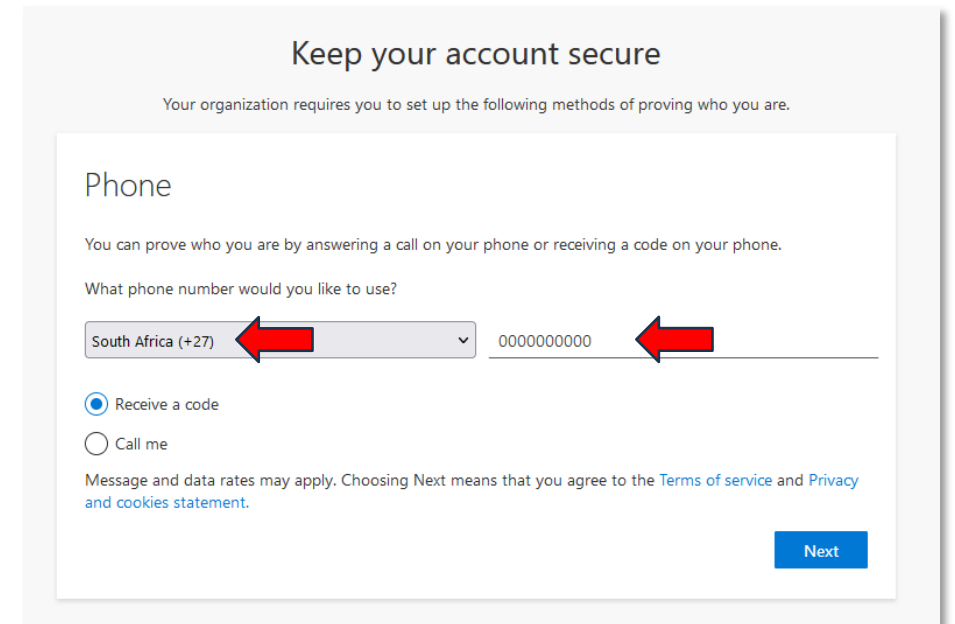
If you don't see the screen below, you are already registered for MFA and don't need to do anything further.



4.

Select the correct country and type in the cell phone number of the mobile device you will be using for MFA authentication and click on **NEXT**.

A SMS with a Code will be sent to the cellphone number you have indicated in the below image.



5.


Enter the code that was received via SMS in the space provided and click on **Next**.

Keep your account secure

Your organization requires you to set up the following methods of proving who you are.

Phone

We just sent a 6 digit code to +27 0722267377. Enter the code below.

Enter code 

[Resend code](#)

[Back](#) [Next](#)


6.

The verification of your mobile device is completed. Click on **Next**.

Keep your account secure

Your organization requires you to set up the following methods of proving who you are.

Phone

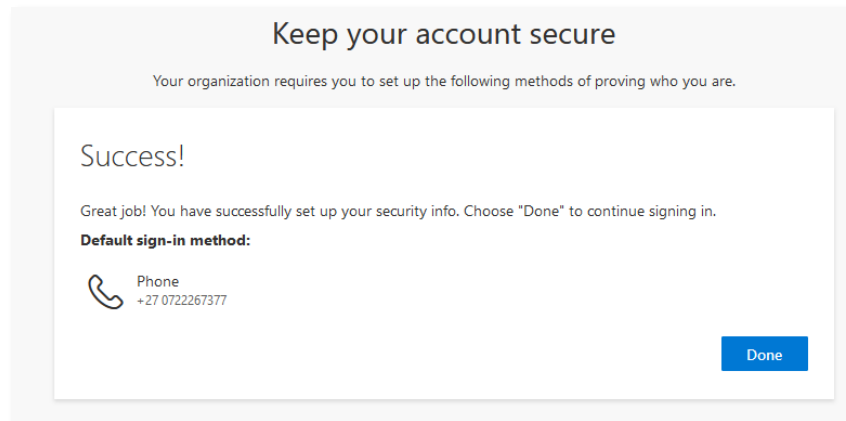
 Verification complete. Your phone has been registered.

[Next](#)



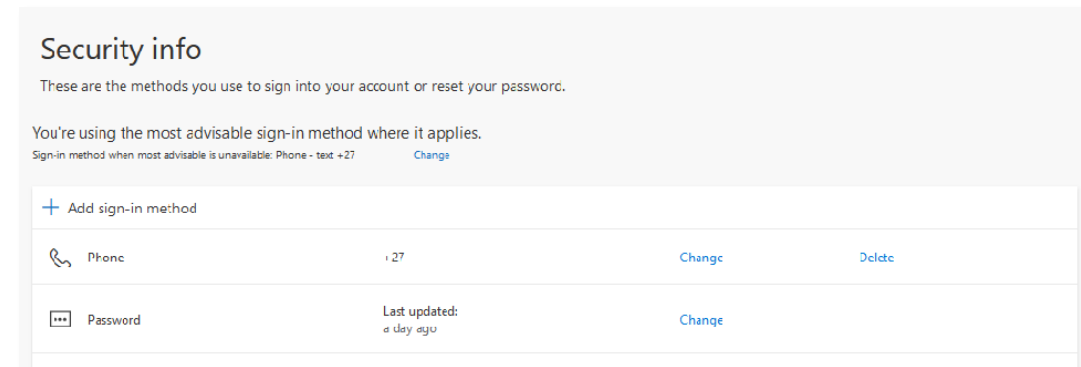
7.

Your mobile device is now registered for MFA. Click on **Done**.

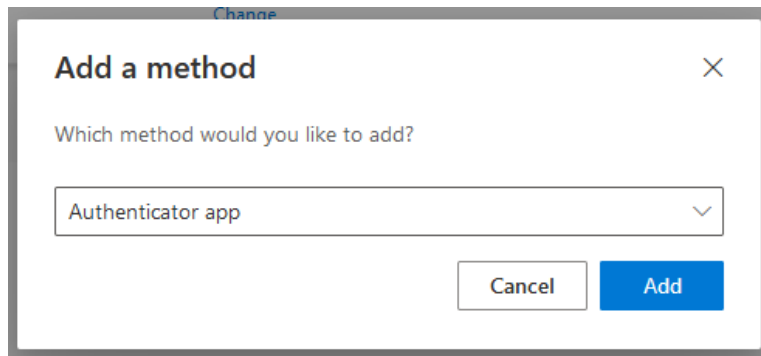


8.

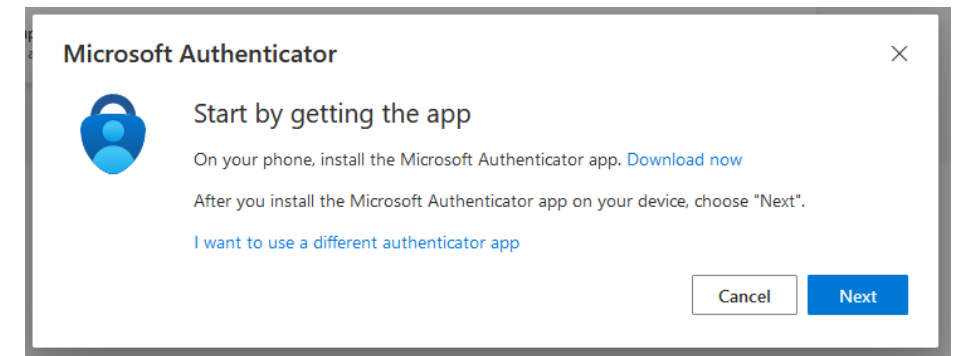
Your internet browser will display the below security info. You will now have to click on **Add sign-in method** to add the Microsoft Authenticator Application as a method.



9. Select the Authenticator app method and click on **Add**.



10. You are now requested to download and install the Microsoft Authenticator application on your cellphone. Follow the installation steps on the next slides.



Microsoft Authenticator Application

6/15

30 Easy steps

11.

Open the relevant Application store on your mobile device and search for the Microsoft Authenticator Application. Huawei devices incompatible with the Microsoft Authenticator Applications can use Google Authenticator.

Android Phone

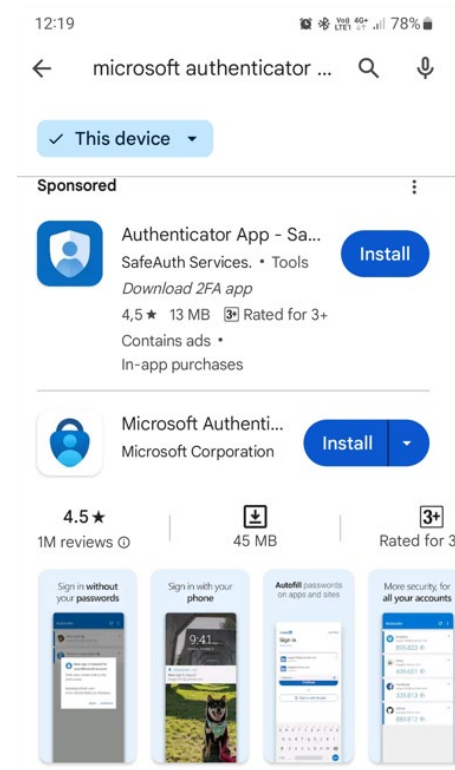


iPhone



12.

Please make sure that you select the correct application: Microsoft Authenticator Application. Tap on **Install**.



NOT THIS ONE

THIS IS THE
APP TO
INSTALL



[ICT Partner portal](#)



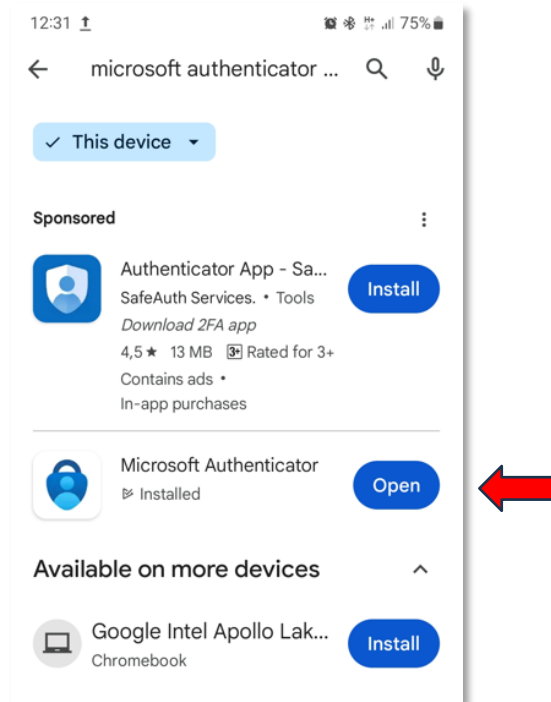
021 8084367

10

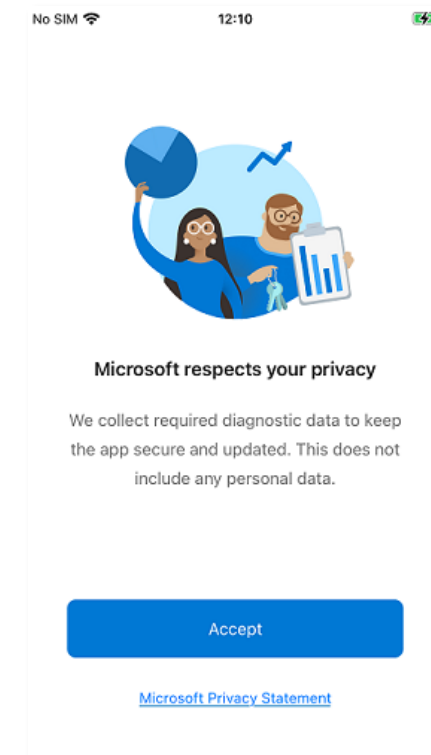
For next steps click here



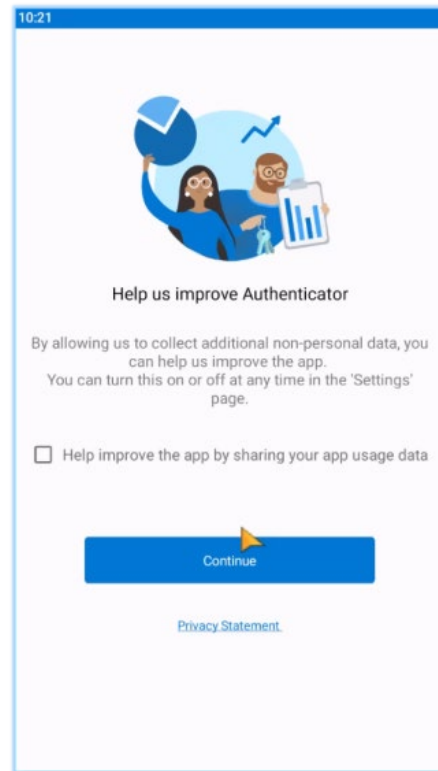
13. Once the application installation is completed, tap on **Open**.



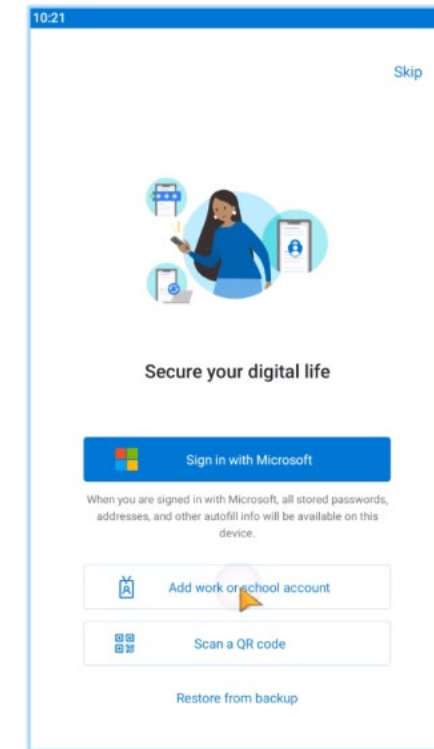
14. Allow the app to send notifications and click on **Accept** at the Privacy statement.



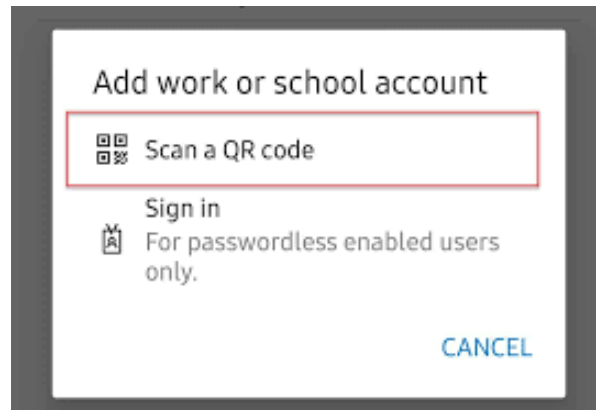
15. Click on **Continue**.



16. Click on **Add work or school account**.



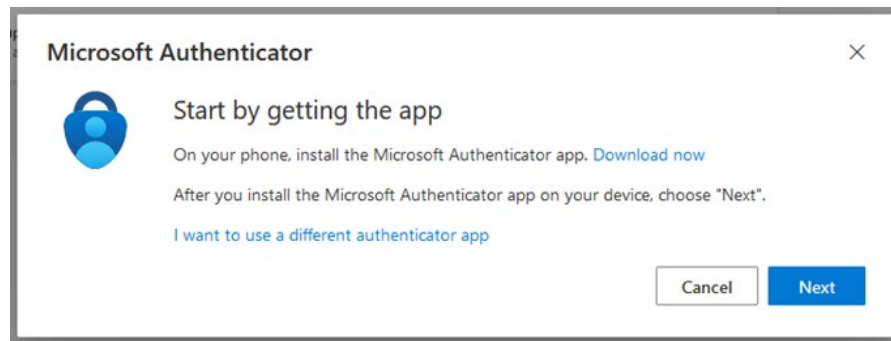
17. Select **Scan a QR code**.



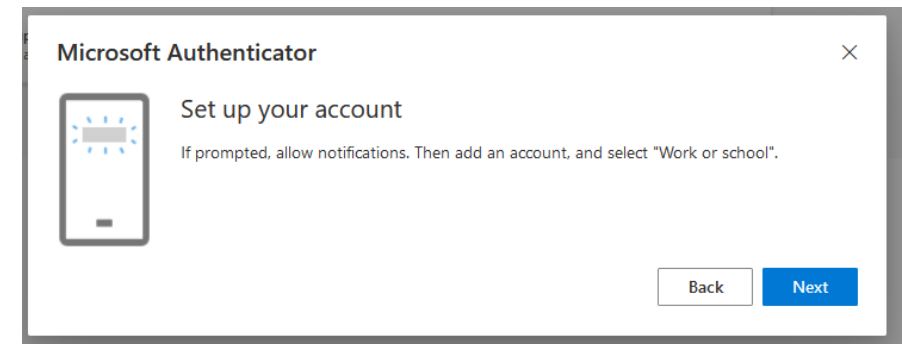
18. Click on **While using this app**. Your mobile device is now ready to scan the QR code.
Now go back to your browser.



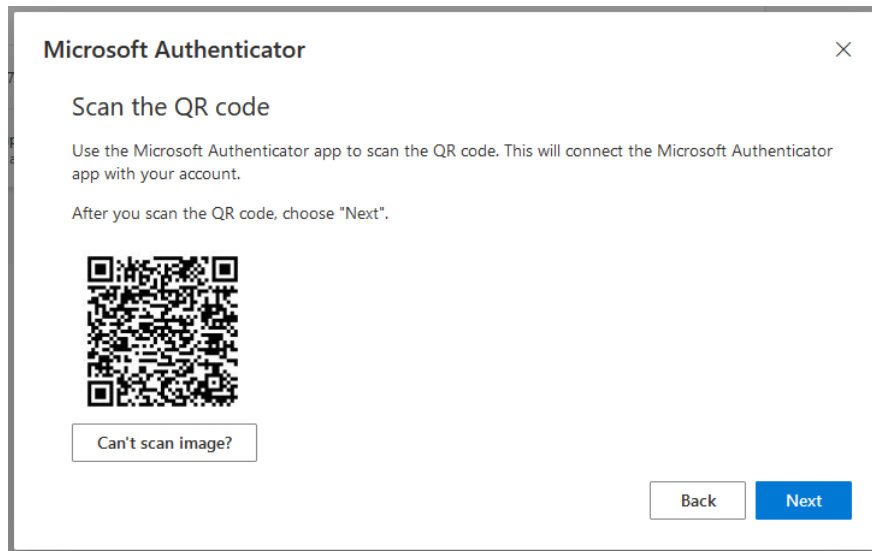
19. Go back to the browser and click on **Next**.



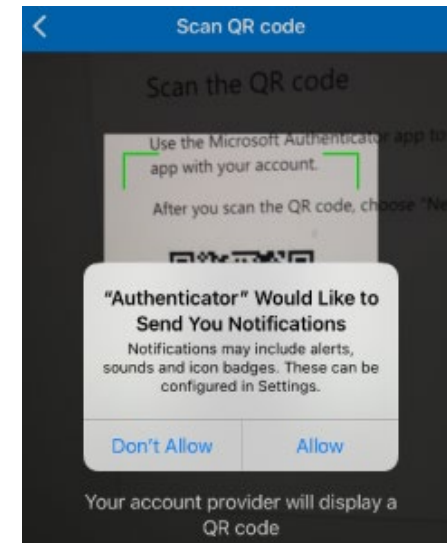
20. Click on **Next** to setup your account.



21. A QR code will display on your computer.
Do not click on **Next** yet.



22. Position the camera of your mobile device over the QR code displaying **on your desktop**.
Click on **Allow** to be able to receive the next notifications.

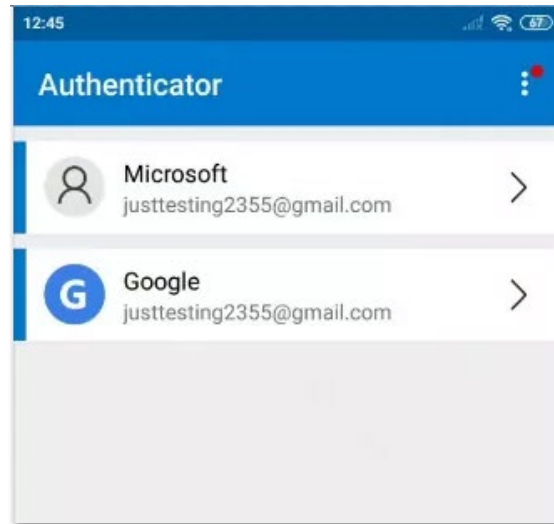


Microsoft Authenticator Application

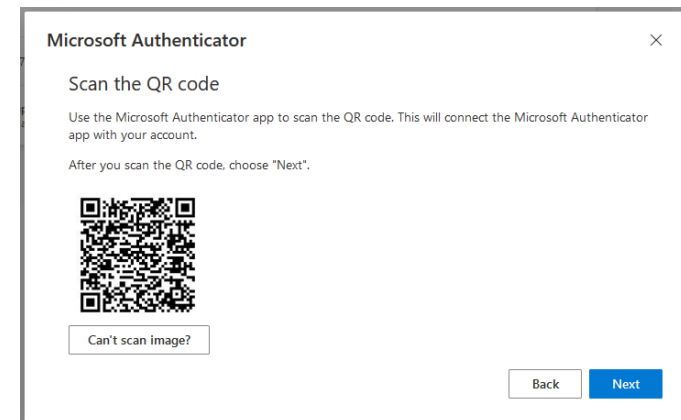
12/15

30 Easy steps

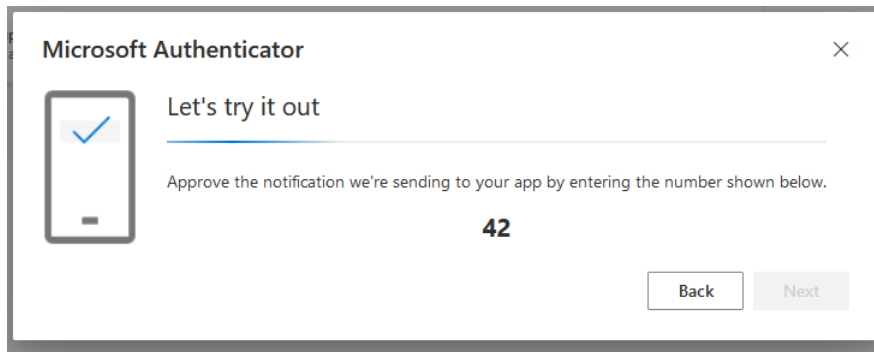
23. Your account will now show in the Microsoft Authenticator Application.



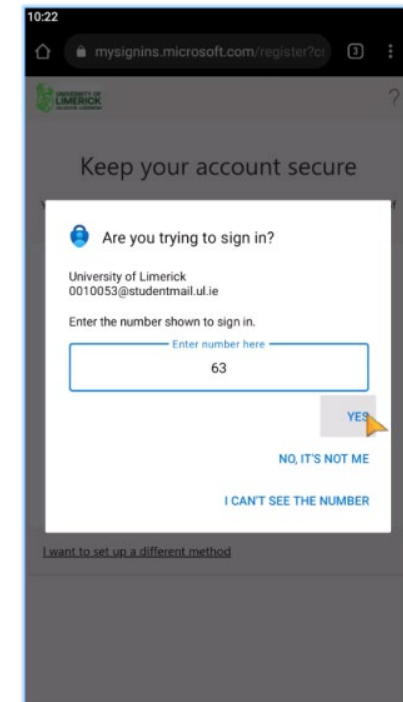
24. Go back to your browser and click on **Next**.



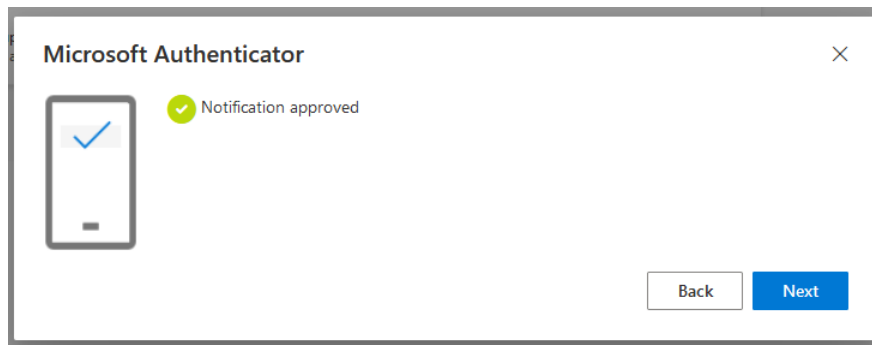
25. A notification is sent to your cell phone.



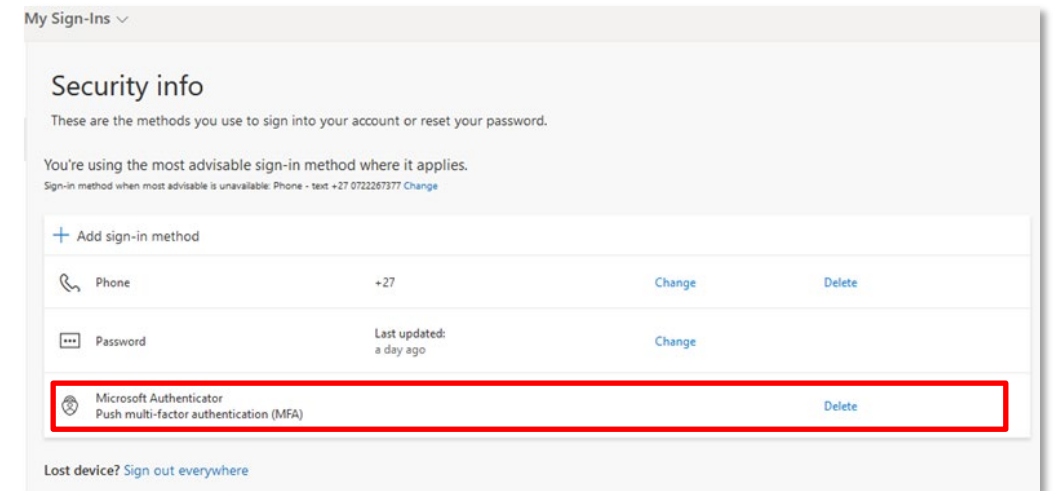
26. Enter the number on your cell phone that was send from the browser and click on **Yes** to sign in.



27. The notification was approved, click on **Next**.

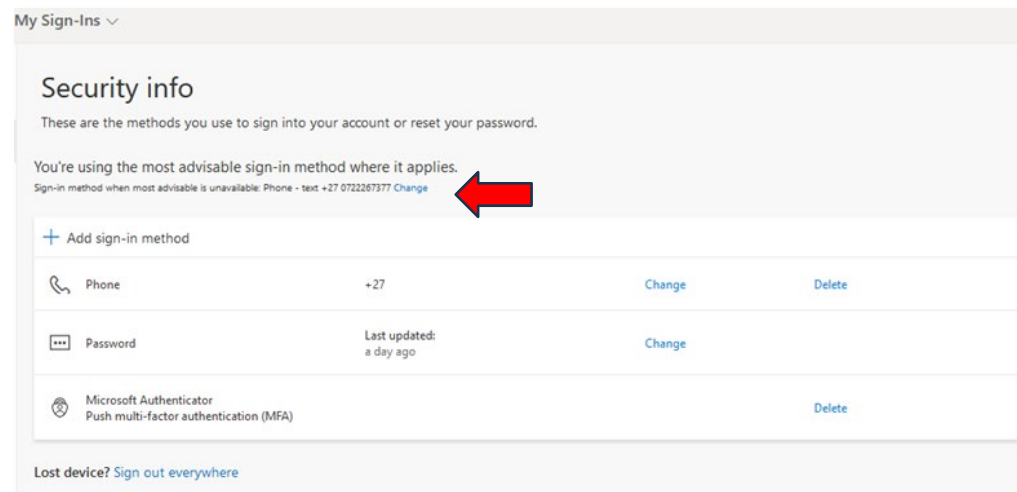


28. The Microsoft Authenticator Application is now added as a method as shown in your browser.



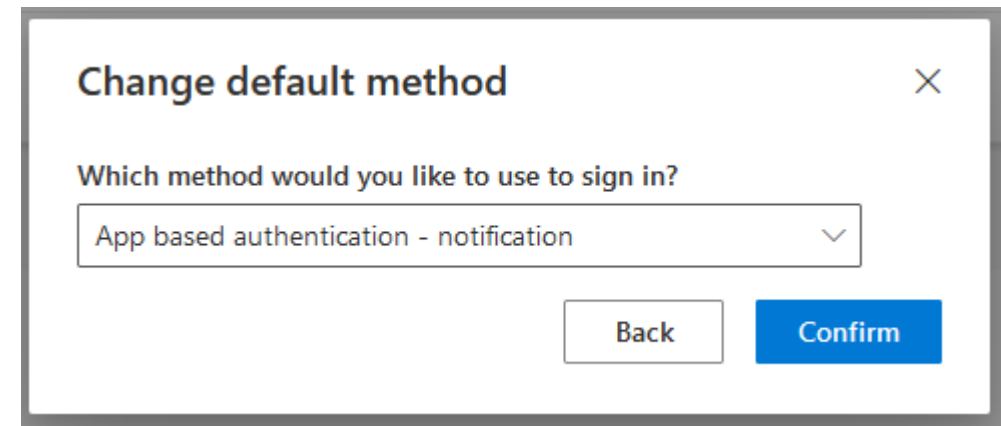
29. The last step is to make the Microsoft Authenticator Application your default method of authentication.

In your browser where your methods shows, Click on **Change**.



30. Select the **App based authentication – notification**, click on **Confirm** close the browser.

You are now ready to authenticate with the Microsoft Authenticator Application when requested.



Prerequisites to the Google Authenticator Application

1. An active Gmail address (Google Account). Follow the link to [create a new Google Account](#).
2. Have the GBox application already downloaded from the app store and installed on your smart mobile device.



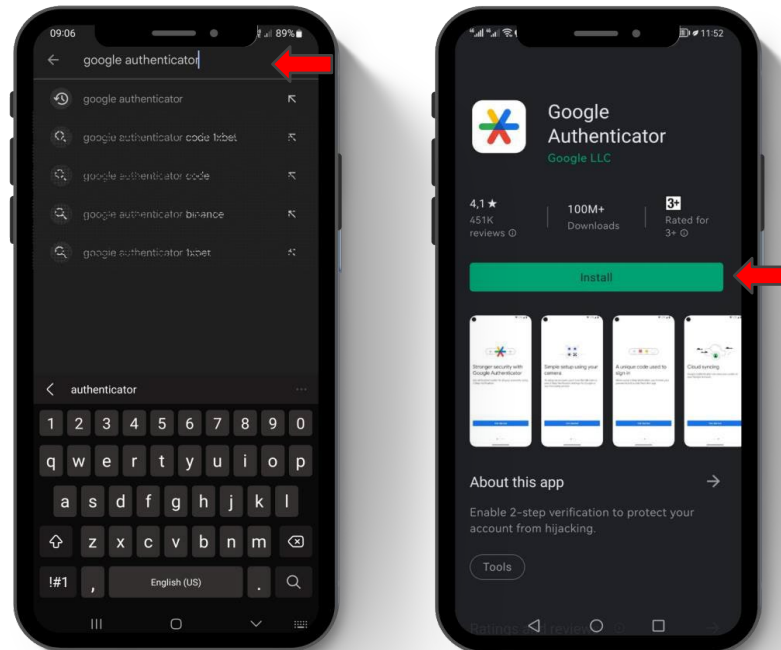
Google Authenticator Application

1/8

16 Easy steps

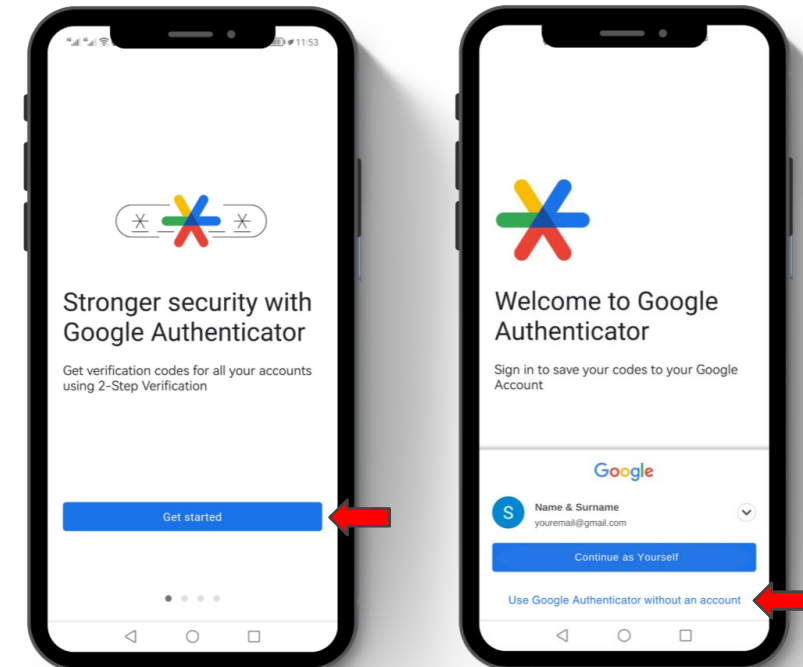
1.

Google Authenticator app can be found in the app store on the relevant phone. Click on install.
(If you cannot find Google authenticator on the app store, install [GBox](#) first.)



2.

Click on **Get started** and select **Use Authenticator without an account**.



Google Authenticator Application

2/8

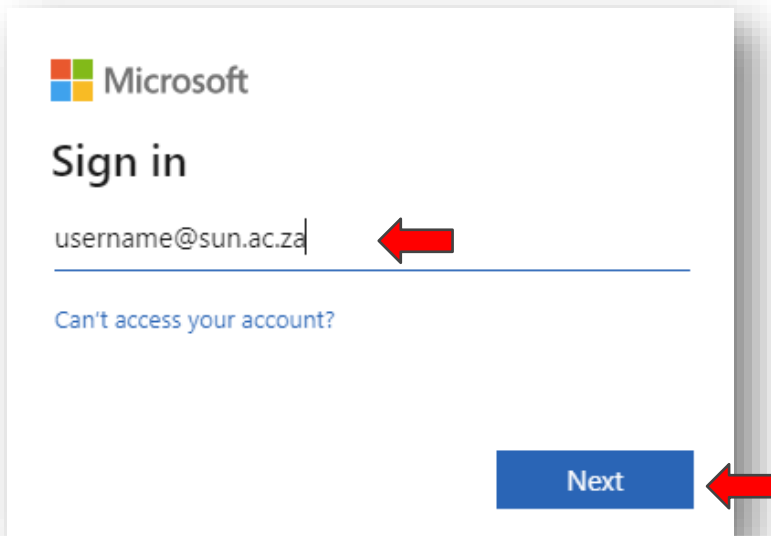
16 Easy steps

Your app is not complete, verify via your old method of authentication.

3.

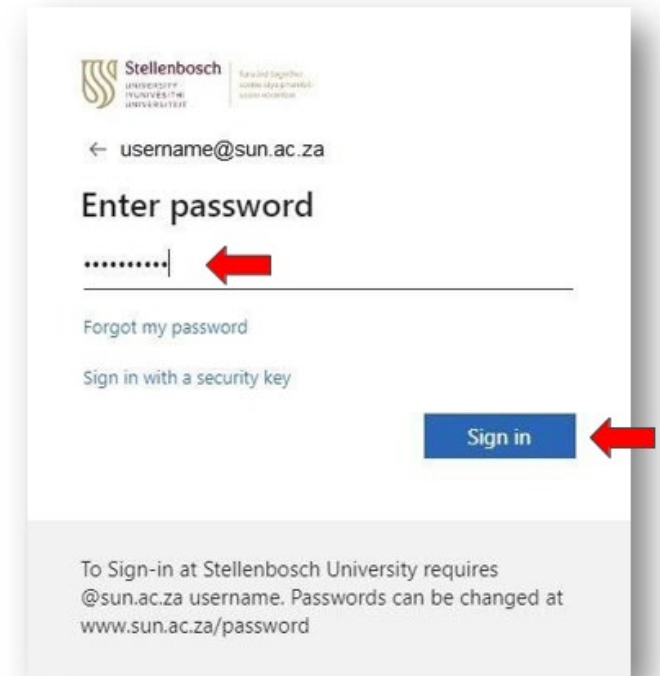
On your computer, open the browser and go to <https://mysignins.microsoft.com>.

You will be prompted to Sign in with your Stellenbosch University credentials. First type in your email address and click on **Next**.

A screenshot of the Microsoft Sign in page. At the top is the Microsoft logo. Below it is the text "Sign in". There is a text input field containing "username@sun.ac.za" with a red arrow pointing to it. Below the input field is a link that says "Can't access your account?". At the bottom right is a blue button labeled "Next" with a red arrow pointing to it.

4.

You will then be prompted to enter your password and click on **Sign in**.

A screenshot of the Stellenbosch University "Enter password" screen. At the top is the Stellenbosch University logo and tagline "Growth together". Below is a back arrow and the email "username@sun.ac.za". The main heading is "Enter password". There is a password input field with dots and a red arrow pointing to it. Below the input field are links for "Forgot my password" and "Sign in with a security key". At the bottom right is a blue button labeled "Sign in" with a red arrow pointing to it. At the very bottom, a grey box contains text: "To Sign-in at Stellenbosch University requires @sun.ac.za username. Passwords can be changed at www.sun.ac.za/password".

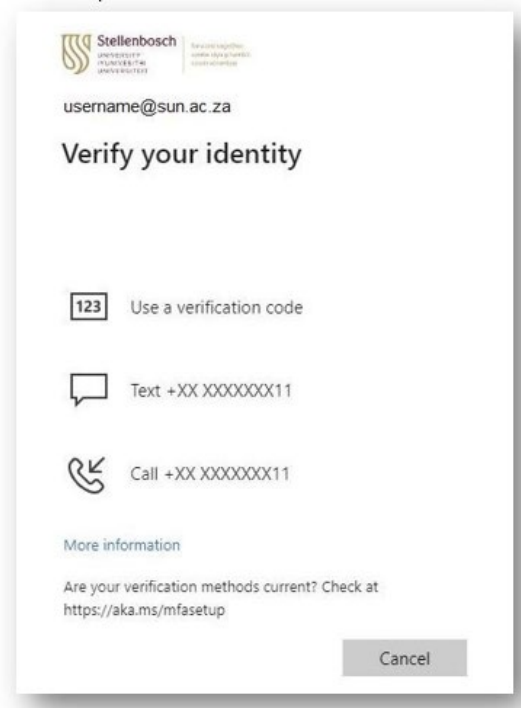
Google Authenticator Application

3/8

16 Easy steps

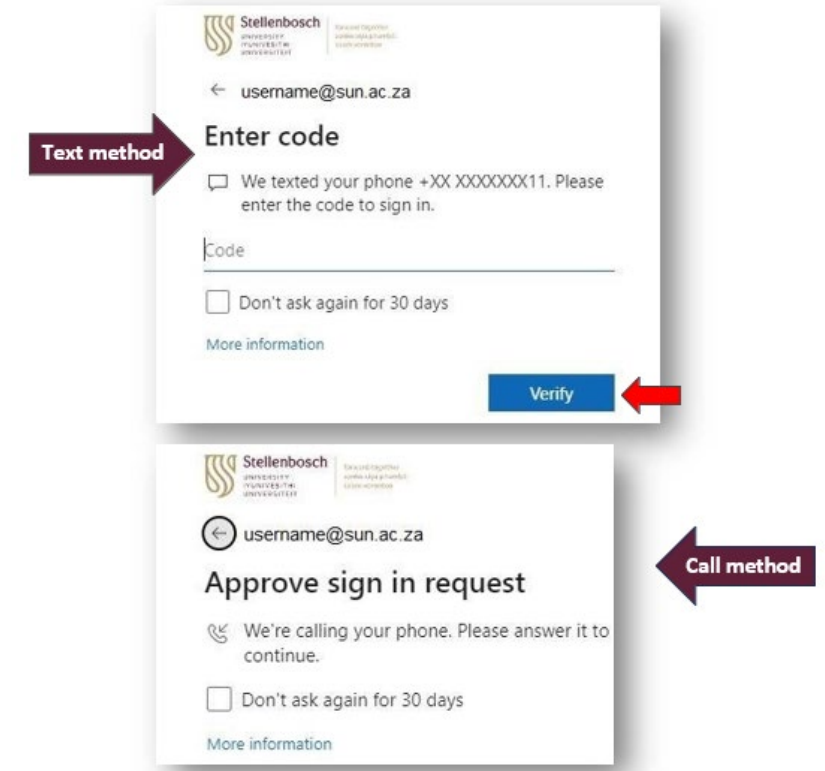
5.

You will now be requested to verify your identity via Text or Call. Use your current method.



6.

Below is the result if you either choose the **Text or Call** method.



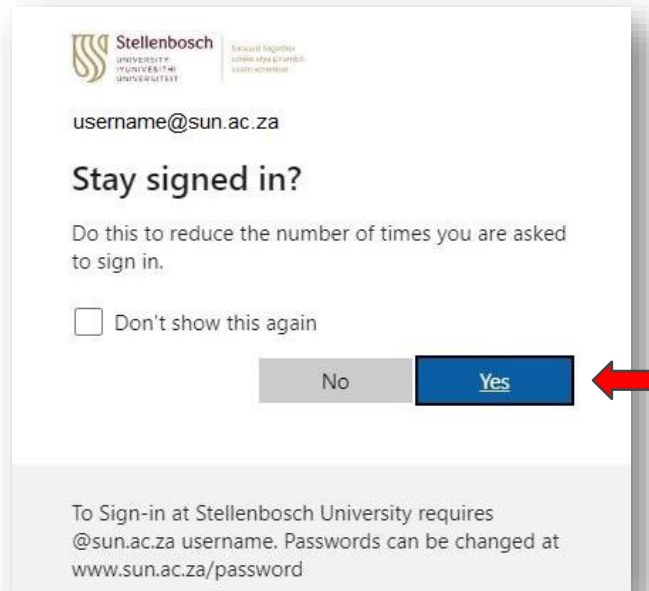
Google Authenticator Application

4/8

16 Easy steps

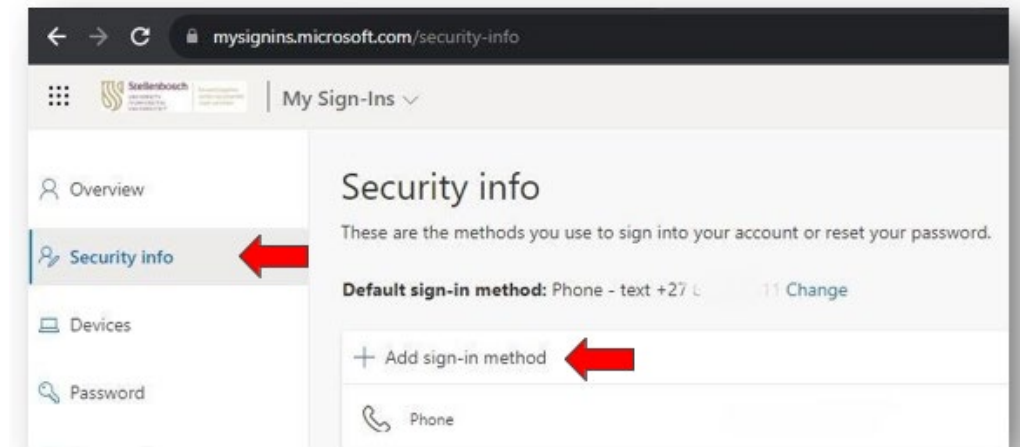
7.

Select **Yes** if it is your OWN device .



8.

In the left menu, select **Security info**. Click on **+ Add sign-in method**.



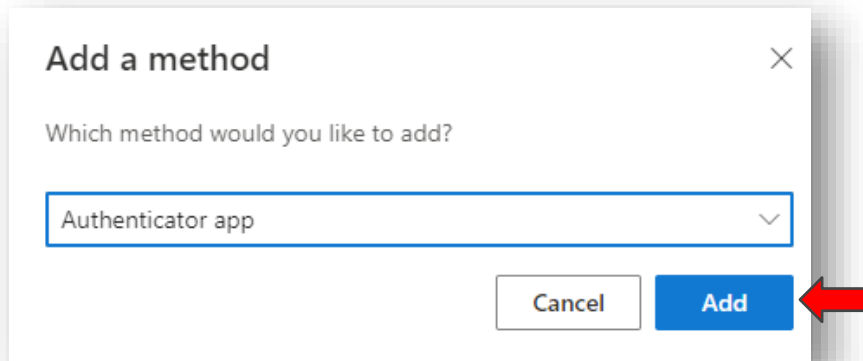
Google Authenticator Application

5/8

16 Easy steps

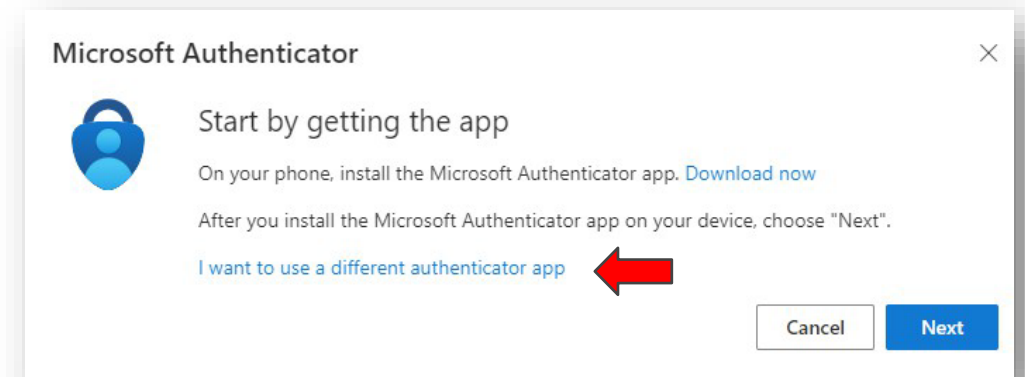
9.

Choose Authenticator app and click on **Add**.



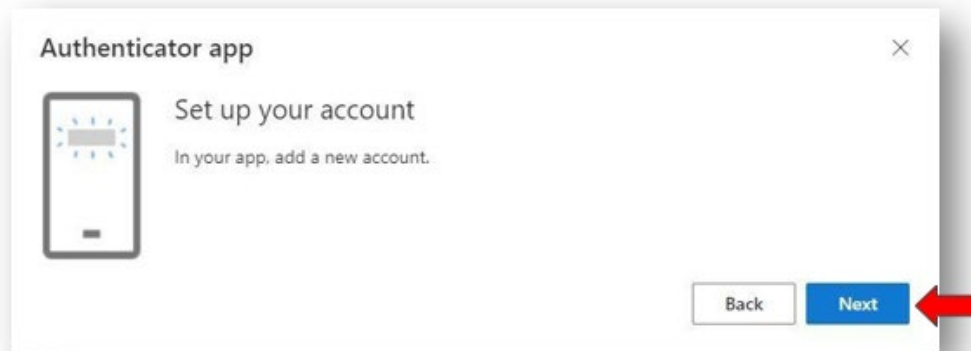
10.

Click on **I want to use a different authenticator app**.



11.

Select **Next**.

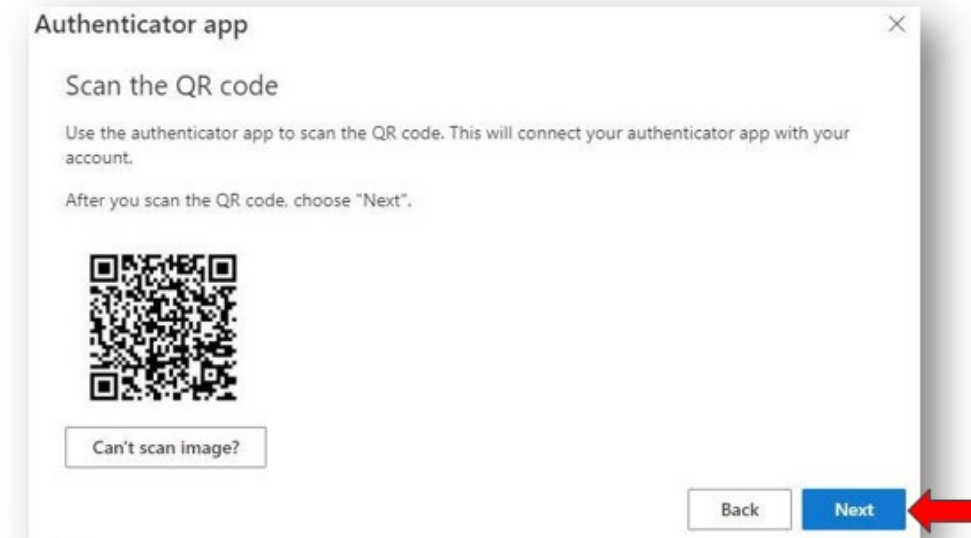


12.

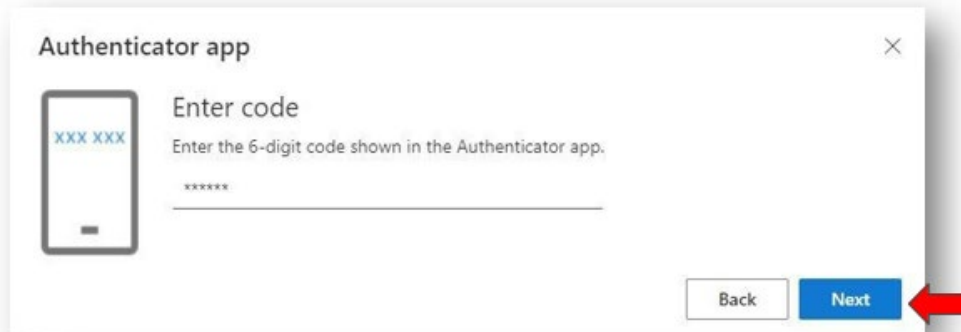
Open the Google Authenticator app on your phone and use your phone to scan the QR code shown on your computer.

On your mobile device, click on + to add an account and scan the QR code with Google Authenticator.

Select **Next** on your computer.



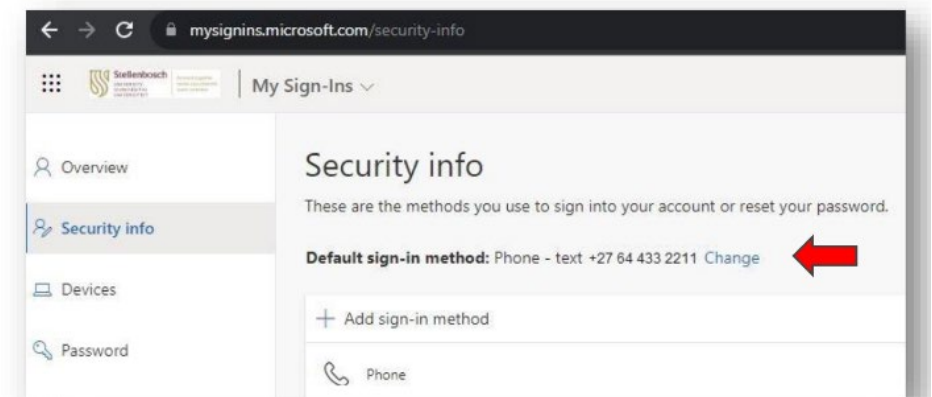
13. Enter the 6-digit code from the Google Authenticator app and click **Next**.



14. *Although you added the authentication method, you still must change the default sign-in method.*

Go back to the Security Information on the <https://mysignins.microsoft.com> page to change your sign in method.

Next to Default sign-in method, click on **Change**.



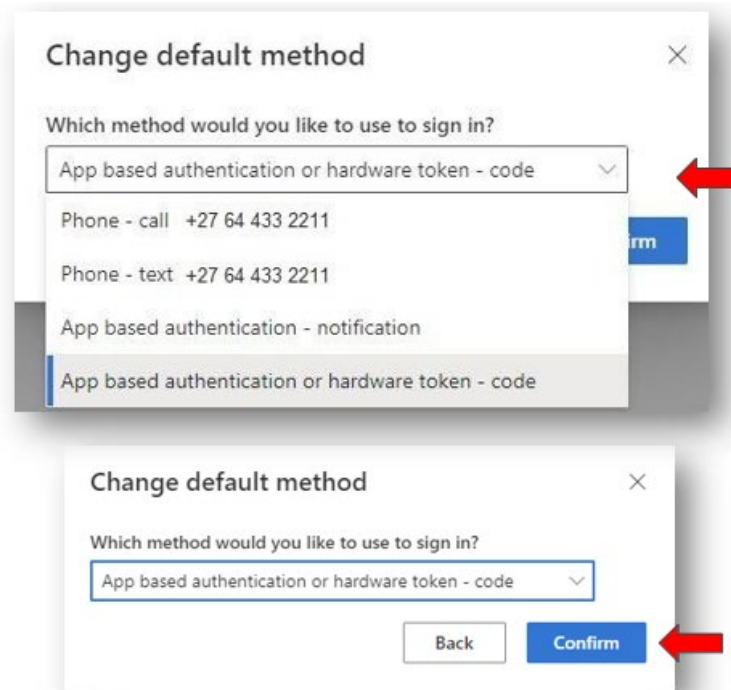
Google Authenticator Application

8/8

16 Easy steps

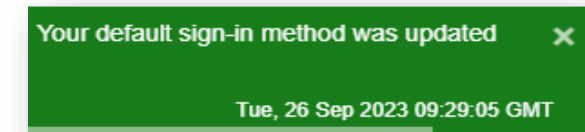
15.

Left click on the drop-down menu and see all the available methods.
Select **App based authentication or hardware token - code** and click Confirm.

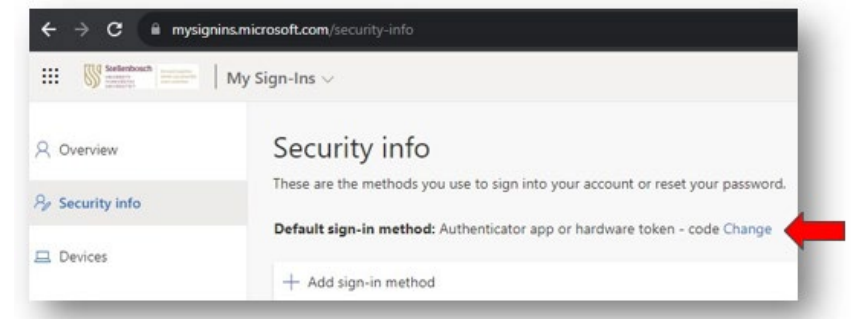


16.

You will see a notification in the top right corner of your computer screen to confirm the change of the default sign-in method.



The default sign-in method has changed to the Authenticator application or hardware token - code



Your MFA should now be successfully setup using the Authenticator application.



Hardware Token

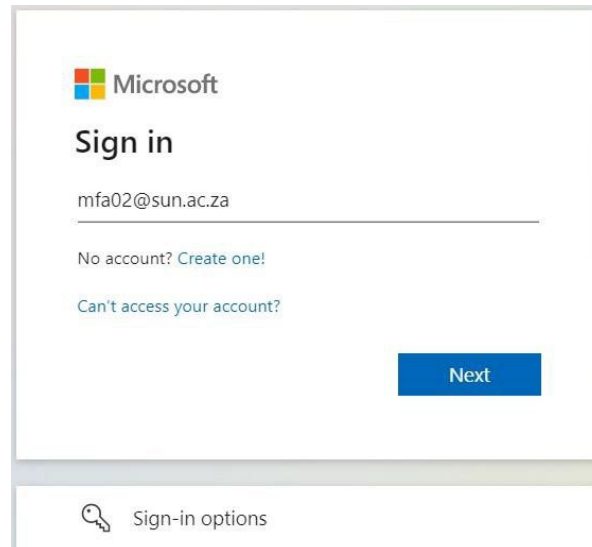
1/12

24 Easy steps

IMPORTANT: You must be enabled to use a FIDO key with your university credentials. Log a request on the [ICT Partner Portal](#) to be enabled.

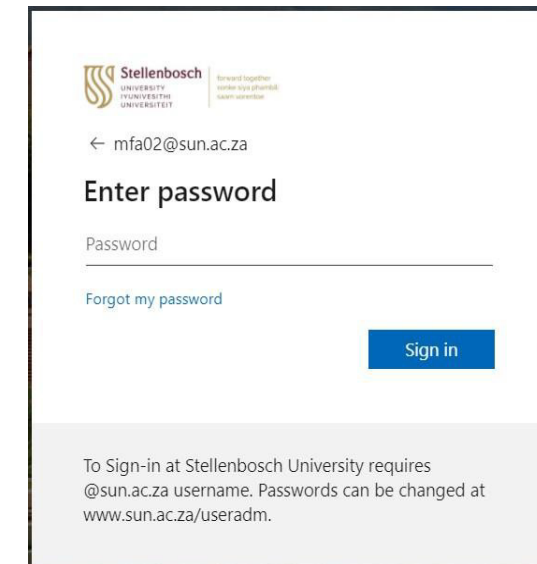
1.

On your computer, open the [MFA Setup](#).
You will be prompted to sign in with your Stellenbosch University email address and click on **Next**.

A screenshot of the Microsoft Sign in interface. At the top is the Microsoft logo. Below it, the text "Sign in" is displayed. A text input field contains the email address "mfa02@sun.ac.za". Below the input field, there are two links: "No account? Create one!" and "Can't access your account?". A blue "Next" button is positioned to the right of the input field. At the bottom, there is a section titled "Sign-in options" with a magnifying glass icon.

2.

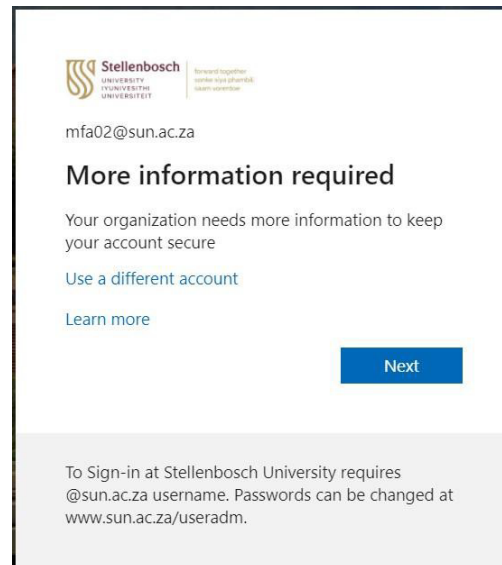
Enter your password and click **Sign in**.


A screenshot of the Stellenbosch University "Enter password" screen. At the top is the Stellenbosch University logo and tagline "Forward together". Below this, the email address "mfa02@sun.ac.za" is displayed with a back arrow. The main heading is "Enter password". There is a "Password" input field. Below it is a link "Forgot my password". A blue "Sign in" button is on the right. At the bottom, a grey box contains the text: "To Sign-in at Stellenbosch University requires @sun.ac.za username. Passwords can be changed at www.sun.ac.za/useradm."

3.

You will be asked to enable additional security on your account. Click **Next** to proceed to step 4.

If you do not see the below screen, you are already registered for MFA and do not need to do any further steps.



 Stellenbosch UNIVERSITY
mfa02@sun.ac.za

More information required

Your organization needs more information to keep your account secure

[Use a different account](#)

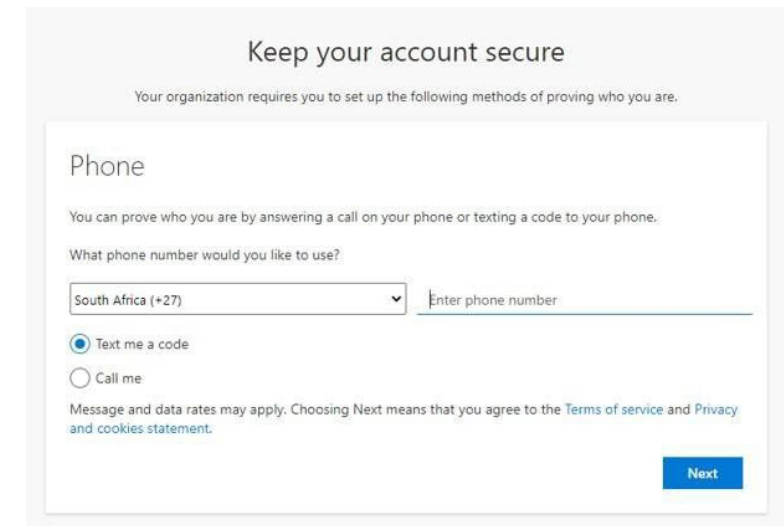
[Learn more](#)

[Next](#)

To Sign-in at Stellenbosch University requires @sun.ac.za username. Passwords can be changed at www.sun.ac.za/useradm.

4.

Enter your mobile number and click **Next**.



Keep your account secure

Your organization requires you to set up the following methods of proving who you are.

Phone

You can prove who you are by answering a call on your phone or texting a code to your phone.

What phone number would you like to use?

South Africa (+27)

☒ Text me a code

☐ Call me

Message and data rates may apply. Choosing Next means that you agree to the [Terms of service](#) and [Privacy and cookies statement](#).

[Next](#)



5.

A verification code will be sent to your mobile device. Enter the code and select **Next**.

Keep your account secure

Your organization requires you to set up the following methods of proving who you are.

Phone

We just sent a 6 digit code to +27 Enter the code below.

421193

Resend code

Back Next

6.

Click **Next** when the code has been verified.

Keep your account secure

Your organization requires you to set up the following methods of proving who you are.

Phone

✓ SMS verified. Your phone was registered successfully.

Next



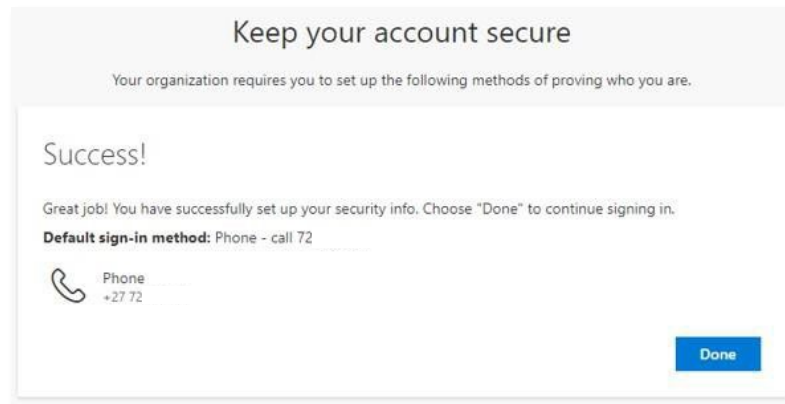
Hardware Token

4/12

24 Easy steps

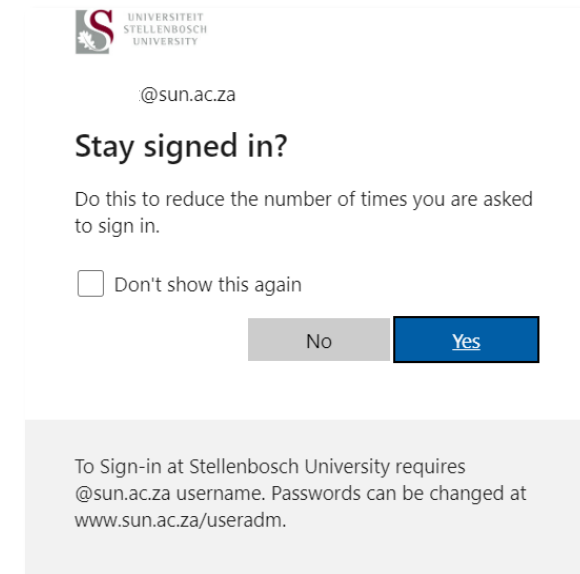
7.

Your mobile number has been successfully added as an authentication method. Click **Done**.



8.

When asked if you want to stay signed in, click **No**.



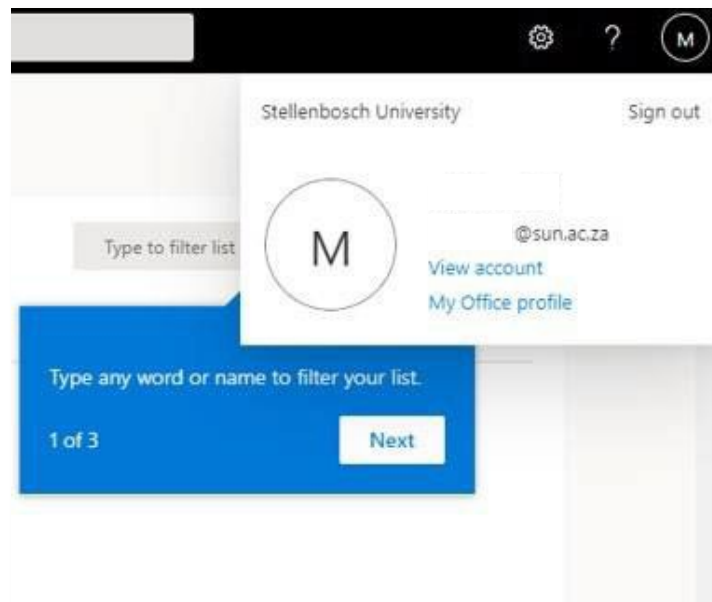
Hardware Token

5/12

24 Easy steps

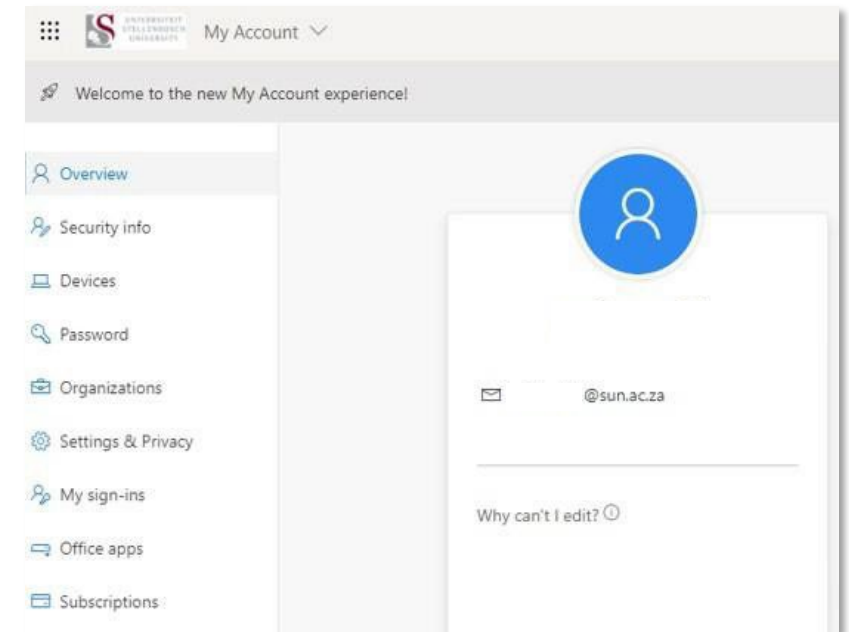
9.

Once signed into your Stellenbosch University account, Select the icon in top right-hand corner and select **View account**.



10.

You will be directed to <https://myaccount.microsoft.com>. Select **Security Info**.



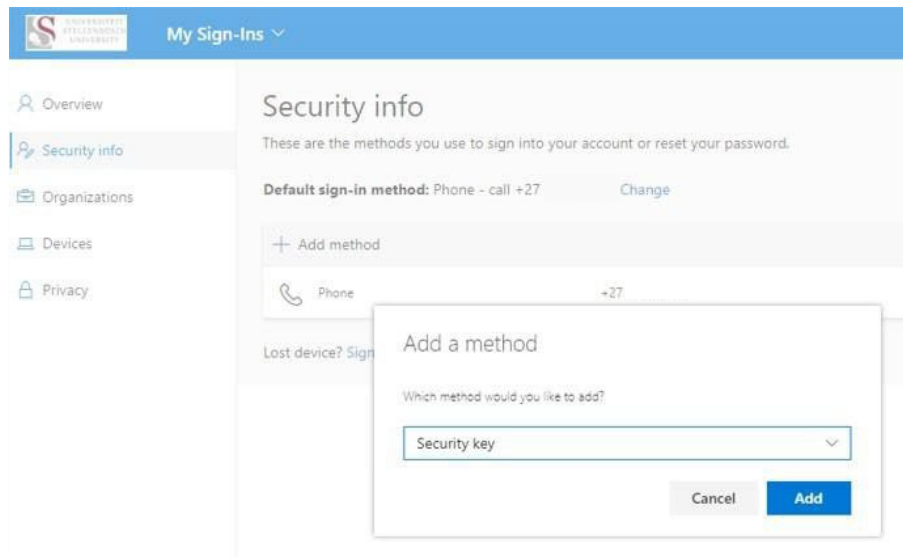
Hardware Token

6/12

24 Easy steps

11.

Select **Add a Method** and select **Security Key** from the drop- down menu. Click Add.



12.

You will be prompted again to authenticate. Depending on your method, you will either receive a phone call or a SMS. Follow the prompts.

Security key

To set up a security key, you need to sign in with two-factor authentication.

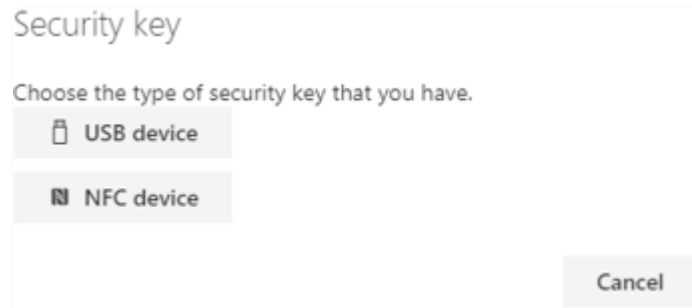
Cancel

Next



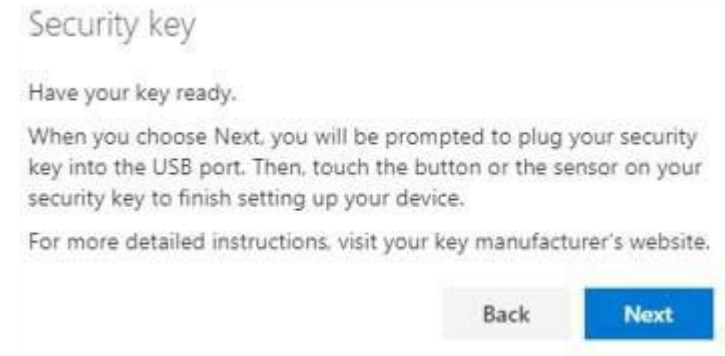
13.

Select your type of security key.
In this example we will use a USB device option.



14.

Have your key ready and click **Next**.



Hardware Token

8/12

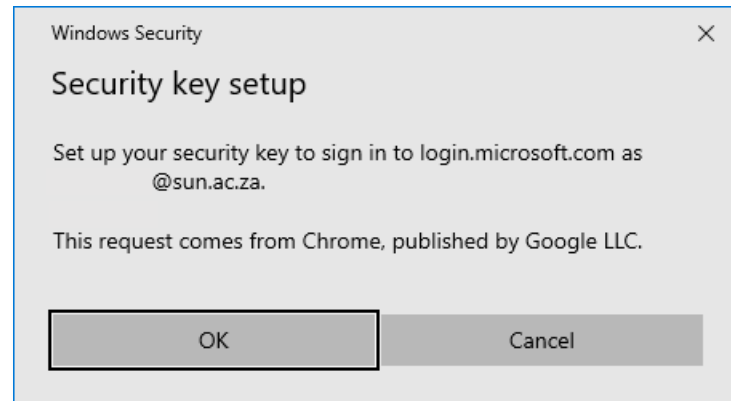
24 Easy steps

15.

Follow the prompts and click **OK** when prompted.

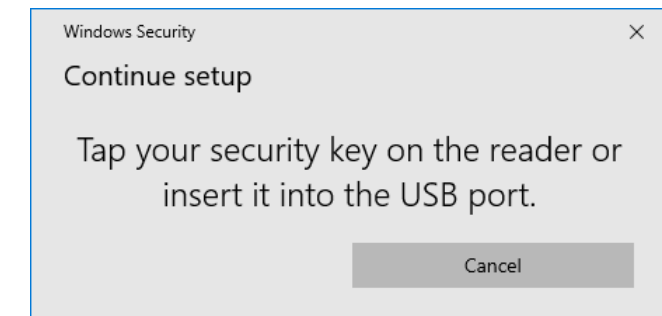
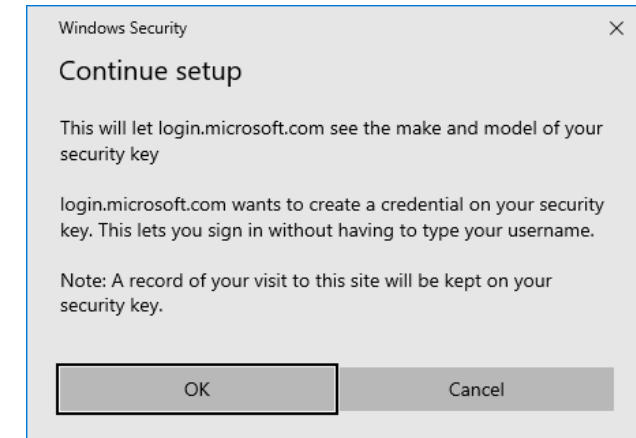
Security key

Your PC will redirect you to a new window to finish setup.



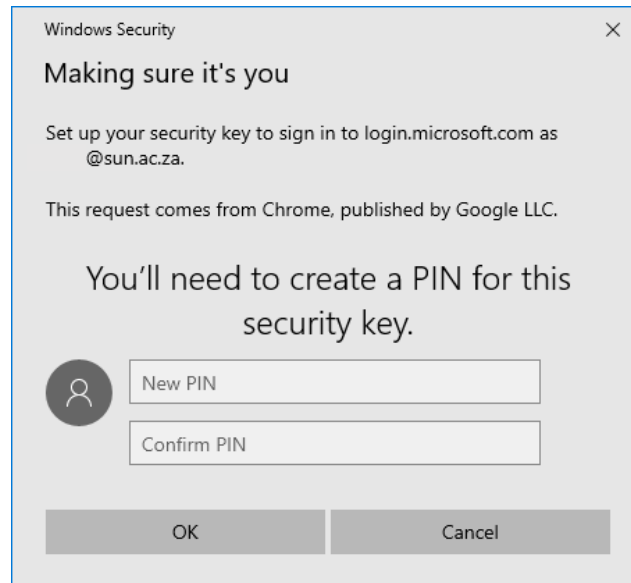
16.

You will need to create a PIN for the security key. Enter one and click **OK**.



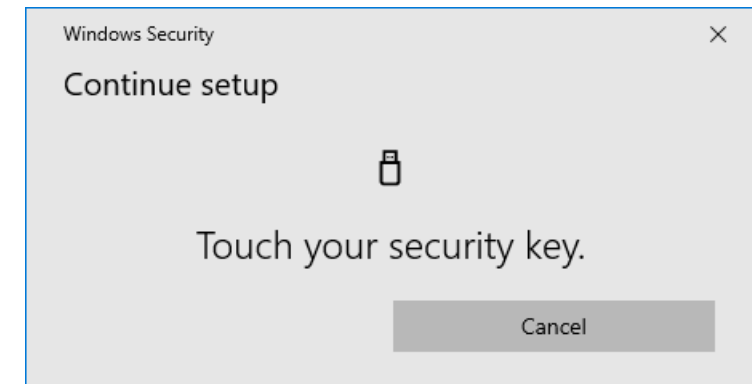
17.

You will need to create a PIN for the security key. Enter one and click **OK**.



18.

You will be requested to touch the security key.



19.

Once the device has been verified, you will be prompted to give your key a name.

Security key

Name your security key. This will help distinguish it from other keys.

Yubikey

Cancel

Next

20.

You're all set. Click **Done**.

Security key

You're all set!

You can use your security key instead of a username and password the next time you sign in.

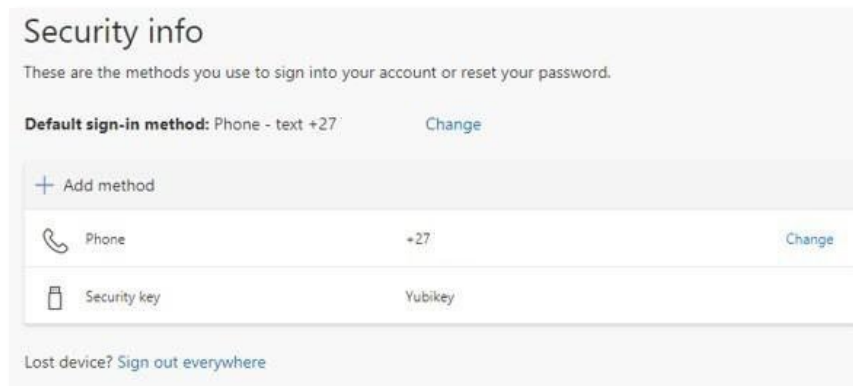
Be sure to follow your security key manufacturer's guidance to perform any additional setup tasks such as registering your fingerprint.

Done



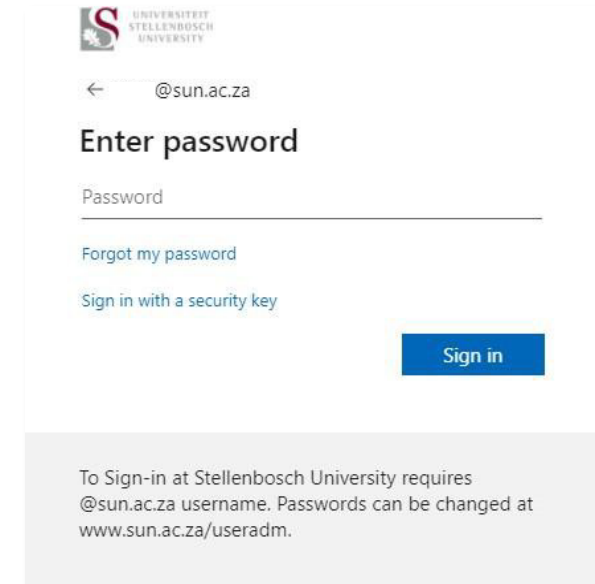
21.

The newly added security key will be listed among your allowed sign-in methods.

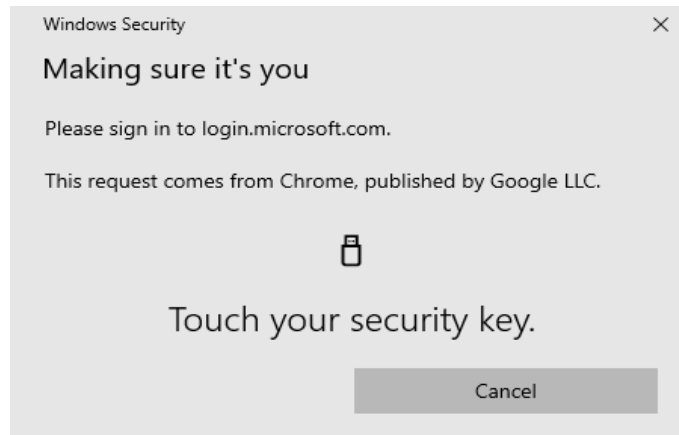


22.

When you are prompted to enter the password, you can simply insert the hardware token (security key) in the USB port and click on **Sign in**.



23. Touch the key on the allocated spot as before.



24. All set, you are now signed in using a security key!



[Home](#)

Frequently Asked Questions

[How to use the guide](#)

1. How do I add a second authentication method?
2. How do I change my default sign-in authentication method?
3. How do I install GBox?

[Click here](#)

[Click here](#)

[Click here](#)

[What is MFA?](#)

[What must I do?](#)

[Microsoft Authenticator Application](#)

[Google Authenticator Application](#)

[Hardware Token](#)

[FAQ](#)



[ICT Partner portal](#)



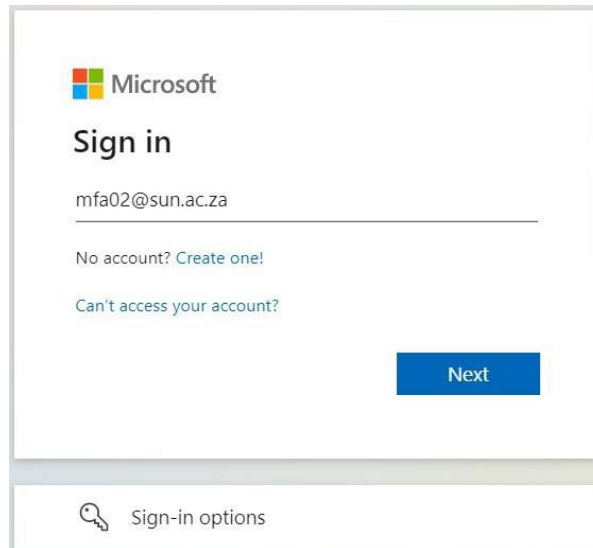
021 8084367

How do I add a second authentication method?

1.

On your desktop, open your browser and type the following address: <https://mysignins.microsoft.com>.

You will be prompted to sign in with your Stellenbosch University email address. Click **Next**.



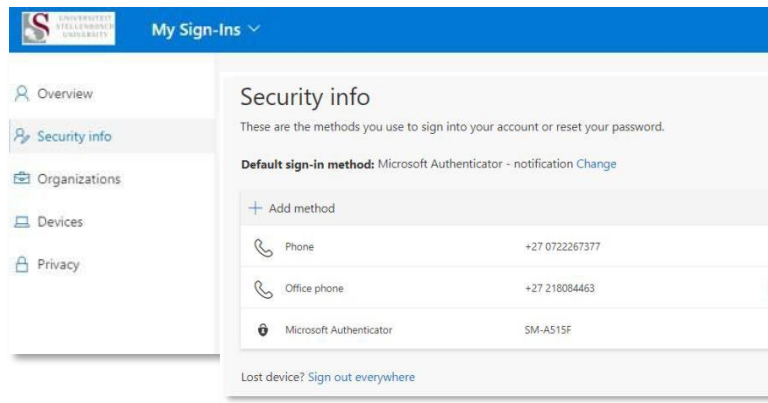
2.

Enter your password and click **Sign in**.



3.

Once signed in, your Security Info will display with all the authentication methods you have registered. Left click on **Add method**.



4.

Left click on the drop-down menu, select the method you want to add and click on **Add**.

We recommend the Microsoft Authenticator Application as a method.

Follow the steps for the chosen method as indicated in the steps provided in this document.

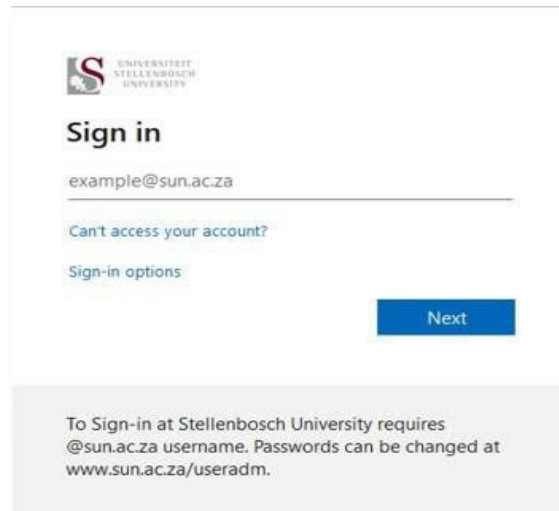


How do I change my default authentication method?

1.

On your desktop, open your browser and type the following address: <https://mysignins.microsoft.com>.

You will be prompted to sign in with your Stellenbosch University email address. Click **Next**.



The screenshot shows the Microsoft Sign in page for Stellenbosch University. At the top is the university logo. Below it, the text "Sign in" is displayed. A text input field contains the email address "example@sun.ac.za". Below the input field are two links: "Can't access your account?" and "Sign-in options". A blue "Next" button is positioned to the right of the input field. At the bottom, a grey box contains the text: "To Sign-in at Stellenbosch University requires @sun.ac.za username. Passwords can be changed at www.sun.ac.za/useradm."

2.

Enter your password and click **Sign in**.

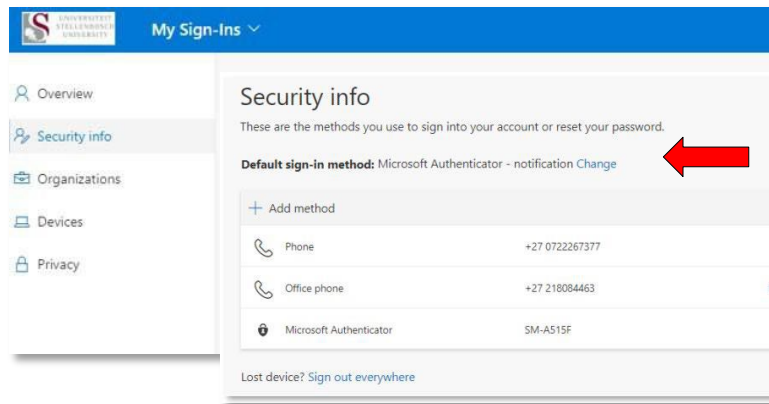


The screenshot shows the Microsoft Enter password page for Stellenbosch University. At the top is the university logo. Below it, the text "Enter password" is displayed. A text input field is labeled "Password". Below the input field is a link: "Forgot my password". A blue "Sign in" button is positioned to the right of the input field. At the bottom, a grey box contains the text: "To Sign-in at Stellenbosch University requires @sun.ac.za username. Passwords can be changed at www.sun.ac.za/useradm."



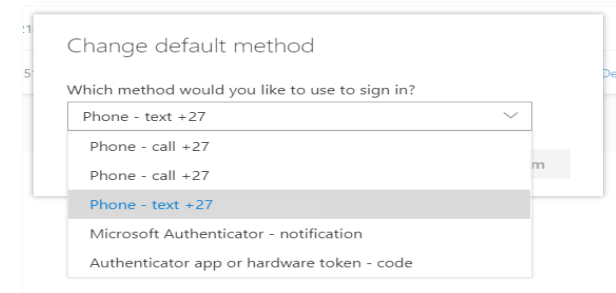
3.

Once signed in, your Security Info will display with all the authentication methods you have registered. Left click on **Change**.

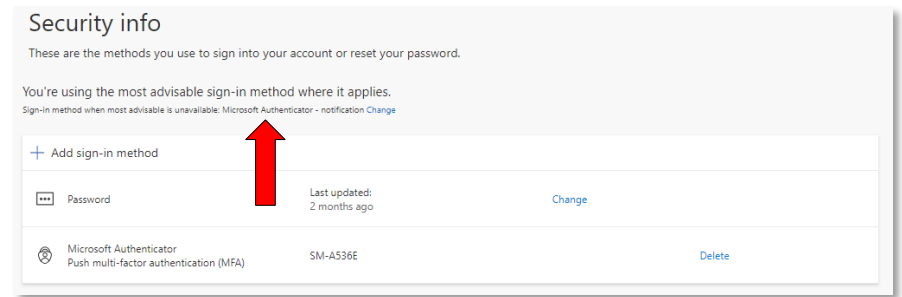


4.

Left click on the drop-down menu and see all the available methods. Select the method of your choice and click **Confirm**.



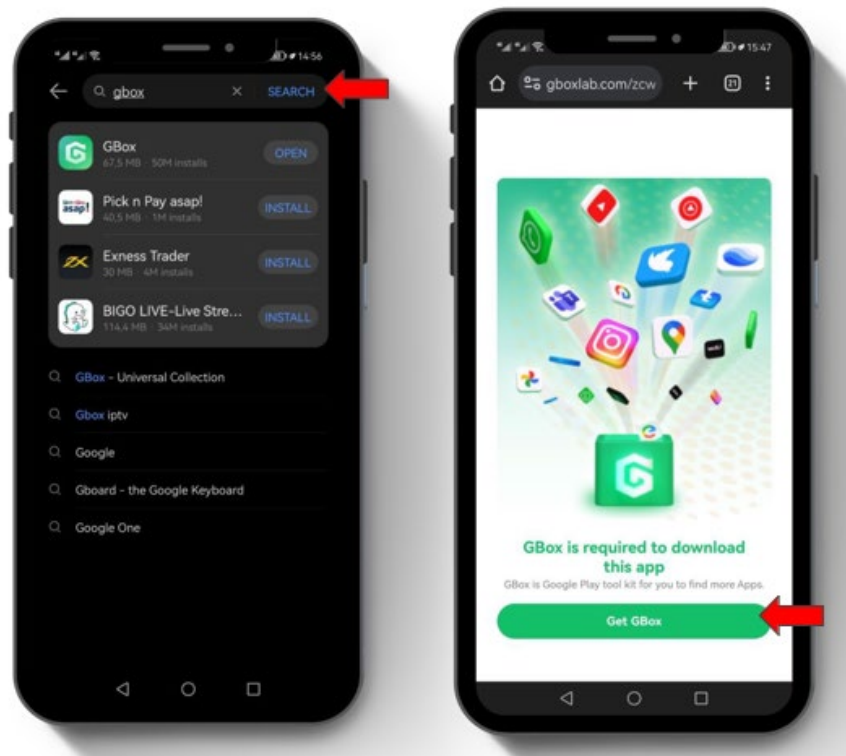
Your new default method will display here:



How do I install GBox?

1.

In your app store, search for Gbox and click on **Get Gbox**.



2.

Select **Install** and click on **Agree**



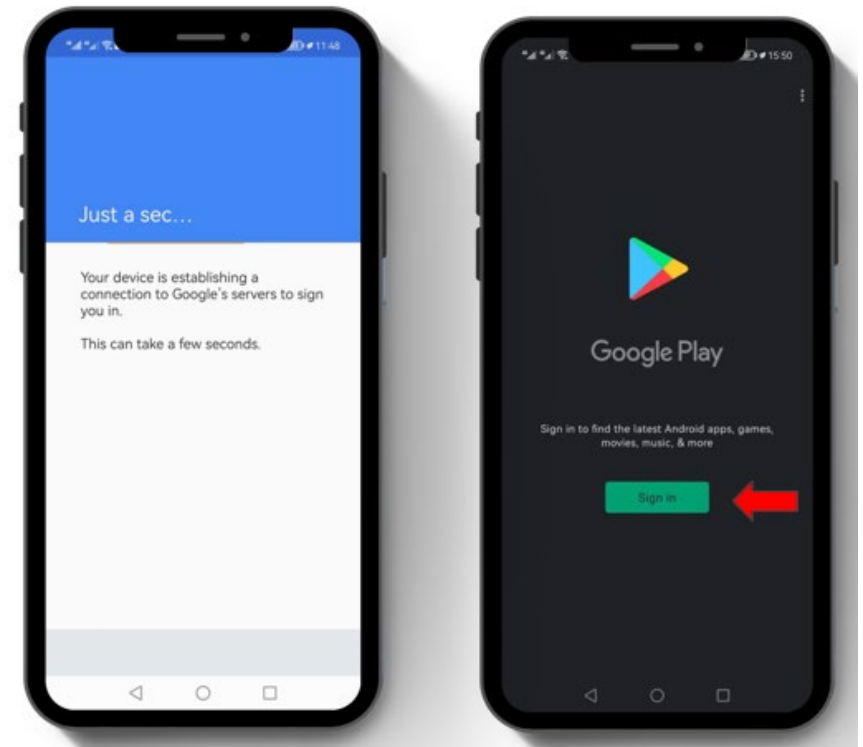
3.

Go to the magnifying glass icon and search google authenticator.



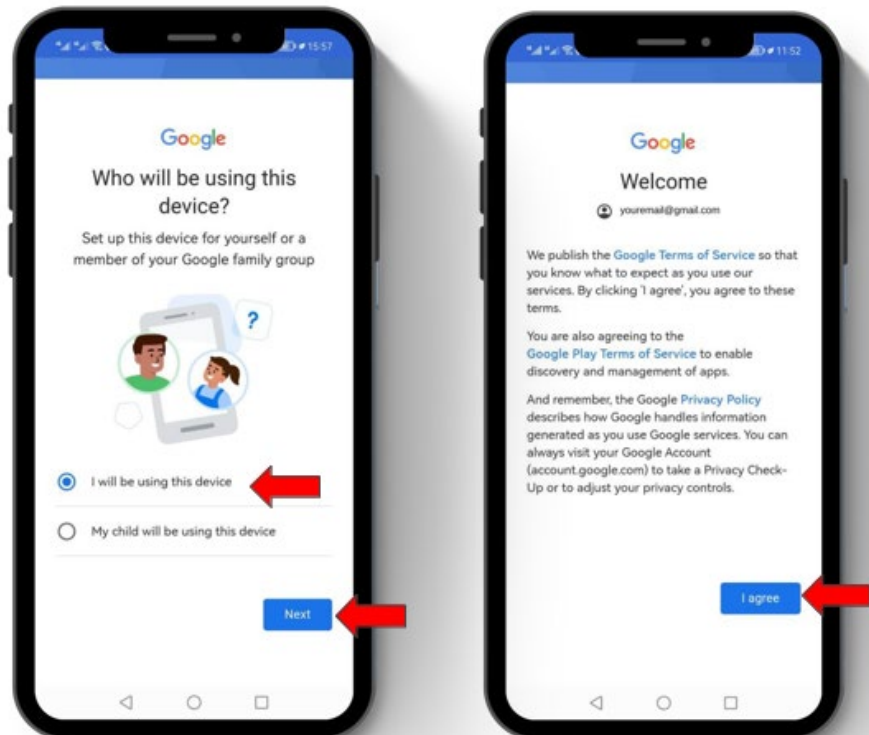
4.

Click on **Sign in**.



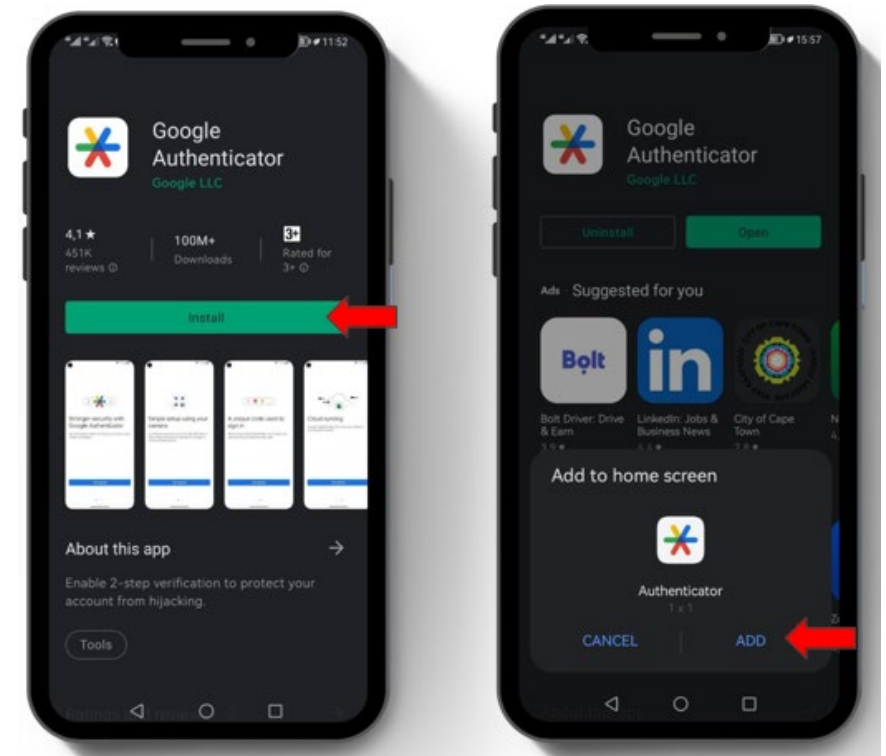
5.

Select **I will be using this device** (if you are using your OWN device) and click **Next**. Then select **I agree**.

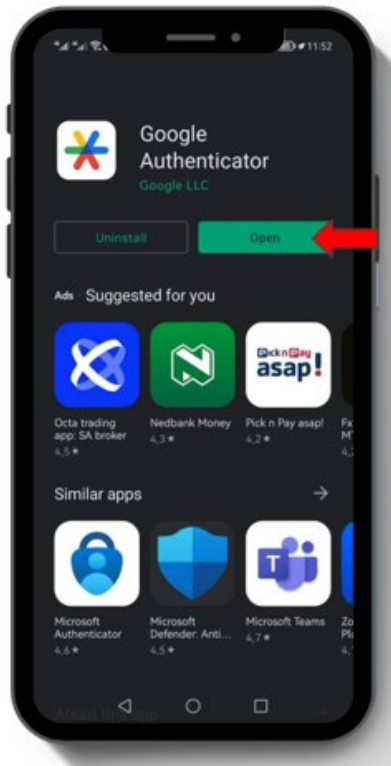


6.

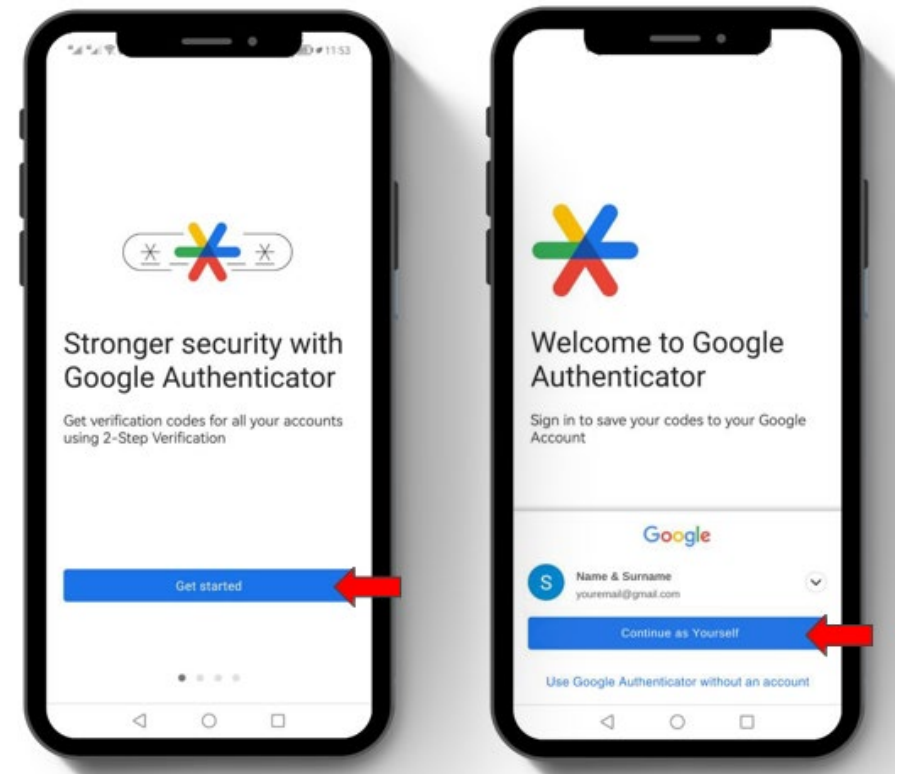
Click on Install and select **ADD**, to add the Authenticator app to your home screen.



7.

Select **Open**.

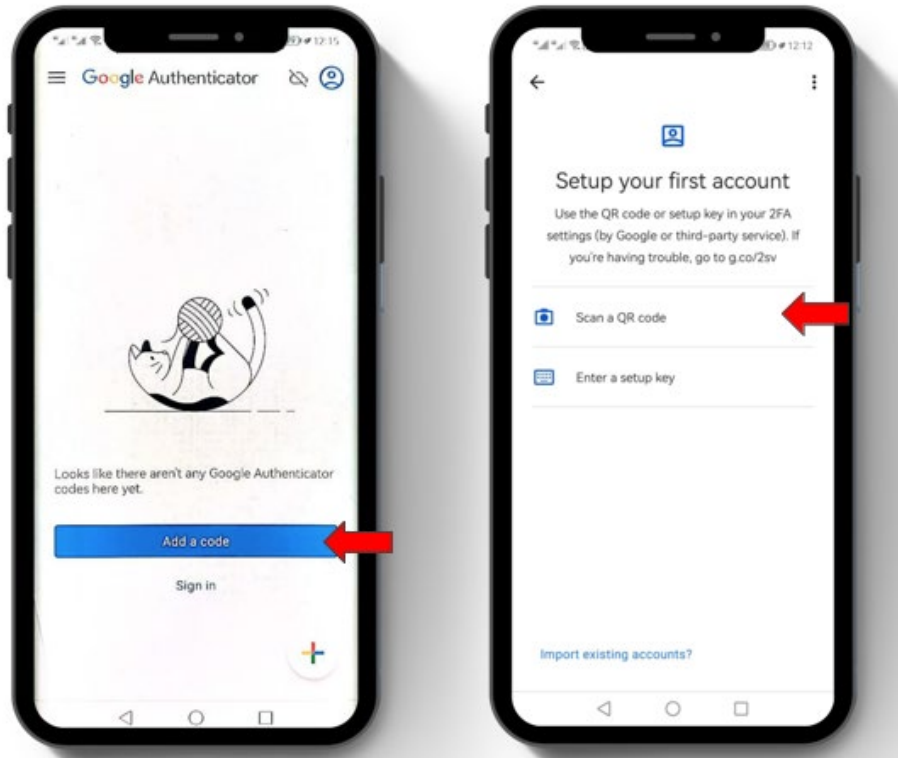
8.

Click on **Get Started** and choose **Continue as...**

NB! Every time you want to authenticate you need to open GBox

9.

Click on **Add a code**, then select **Scan a QR code**.



10.

A code will now appear that you can use to authenticate with when signing onto a Microsoft product or service. This code changes every few seconds.

