

Set up and use a YubiKey on Mac or Linux (non-Windows devices)

Multi-Factor Authentication

Updated: 22 June 2022

Multi-Factor Authentication (MFA) is a requirement to access UNSW single sign-on (SSO) applications. MFA provides an additional layer of security to protect the University and your zID account from unauthorised access.

Use this guide to set-up a YubiKey for MFA using your Mac or Linux computer after you have received your YubiKey. There is also a section to help you use your YubiKey going forward.

For help with MFA call the **IT Service Centre on 02 9385 1333** or alternatively drop into one of the many [IT Walk-In Service Centres on campus](#). Please have ID verification with you. Visit the [MFA website](#) to access all information such as [FAQs for staff](#).

Note: YubiKey considerations

- You will be required to carry your YubiKey when accessing UNSW SSO applications.
- The Yubico Authenticator application will need to be configured on every computer used.
- Do not uninstall the Yubico Application from your computer. It will be needed to authenticate when prompted by MFA. Un-installing Yubico will require you to follow these instructions again.
- Please check that your operating system supports the Yubico Authenticator application.

To complete this task, you will need

- A YubiKey (options shown).
- Your zID@ad.unsw.edu.au account and password
- A computer with internet connection.
- Approximately 5 minutes to complete the set up.

Note: Screenshots in this guide may vary slightly depending on the computer used.



USB-A

USB-C

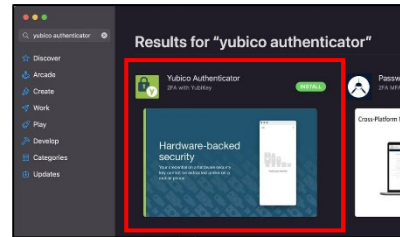
Instructions to set up the YubiKey

Follow these instructions, once only, on every computer used to access UNSW single sign-on applications. If using two monitors, please use your primary monitor during this instruction.

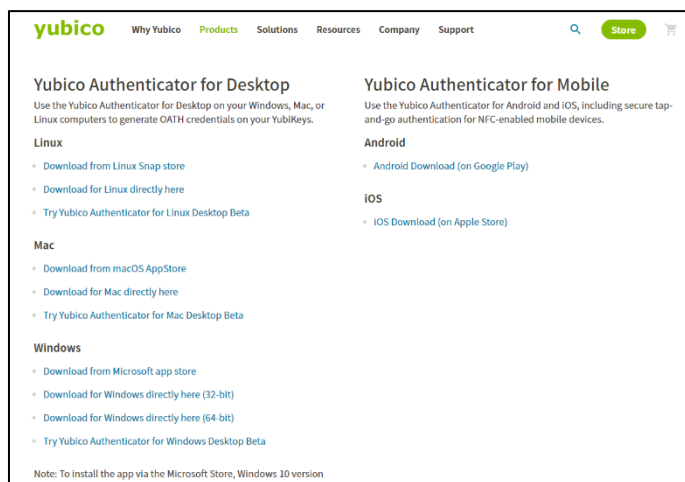
1. On your computer, download the **Yubico Authenticator app**



- a) For Mac, visit the Apple app store

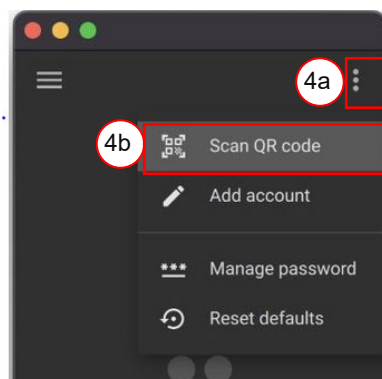
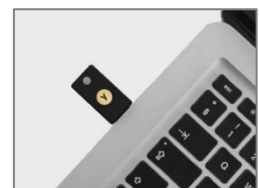


- b) Otherwise, open your browser (E.g., Chrome) and go to:
<https://www.yubico.com/products/yubico-authenticator/#h-download-yubico-authenticator> and select a download option for your operating system.

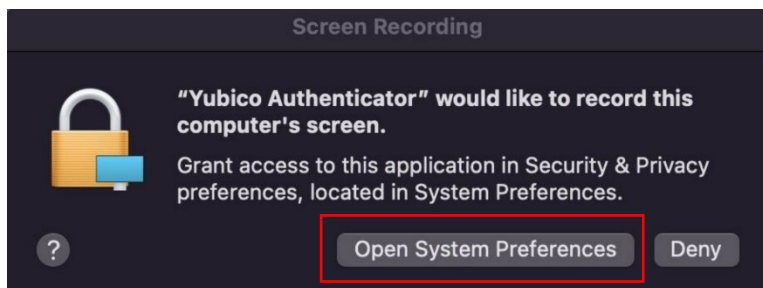


Note: Do not uninstall the Yubico Application from your computer. It will be needed to authenticate when prompted by MFA. Un-installing Yubico will require you to follow these instructions again.

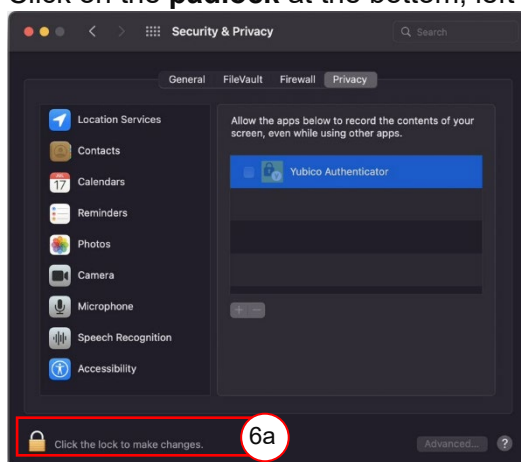
2. Once downloaded, double-click it to start the *Yubico Authenticator Setup Wizard* and follow the prompts.
3. Open the *Yubico Application* and leave it open. Insert the YubiKey into your computer.
4. Within the *Yubico* application,
 - a) select the **three dots**
 - b) select **scan QR code**



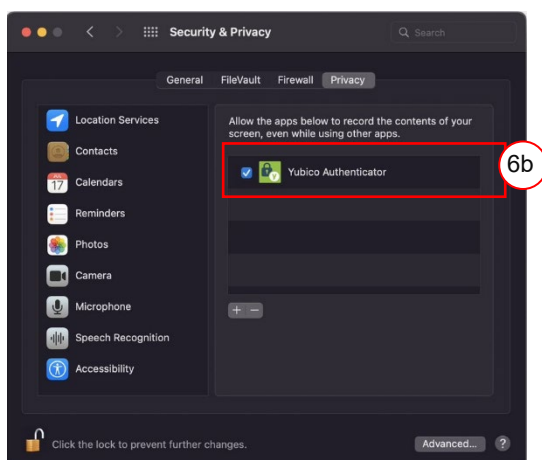
5. Your computer will then prompt you to grant access to record the computer screen, select **open system preferences**.



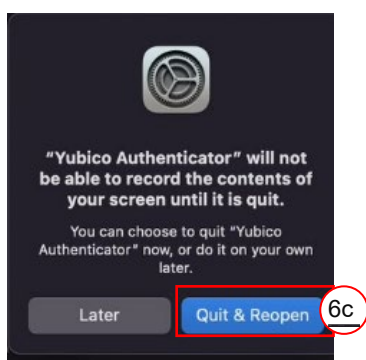
6. Within the system preference screen,
a) Click on the **padlock** at the bottom, left of the screen



- b) Tick the **Yubico Authenticator**



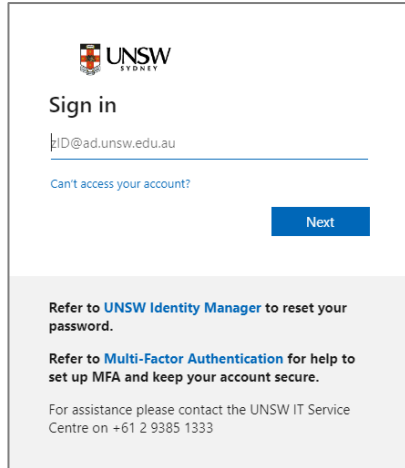
- c) Allow for Yubico Authenticator to **quit and reopen**.



7. Open an *Incognito browser* (E.g., Chrome) window (Ctrl+Shift+N). Close any other active browser windows leaving only the Incognito window open.

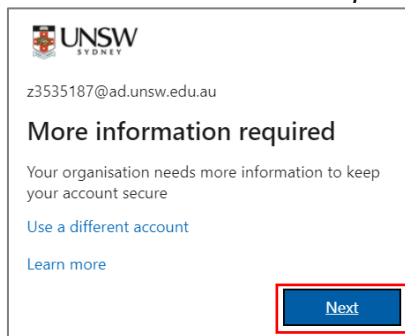
Enter url: **aka.ms/mfasetup** and press the **Enter** key.

Sign in, using your zID and password.



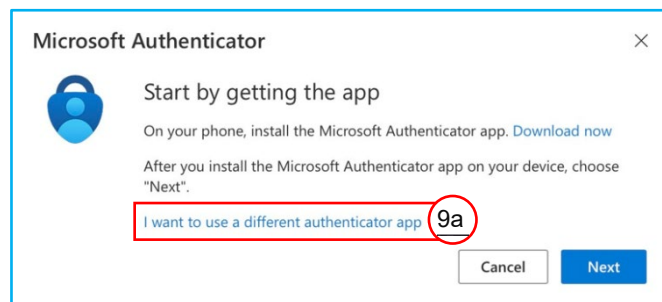
The image shows the UNSW Sydney 'Sign in' page. At the top is the UNSW Sydney logo. Below it, the text 'Sign in' is followed by a text input field containing 'zID@ad.unsw.edu.au'. A link 'Can't access your account?' is below the input field. A blue 'Next' button is to the right. A grey box at the bottom contains instructions: 'Refer to UNSW Identity Manager to reset your password.', 'Refer to Multi-Factor Authentication for help to set up MFA and keep your account secure.', and 'For assistance please contact the UNSW IT Service Centre on +61 2 9385 1333'.

8. At the *More information required* window, click **Next**.



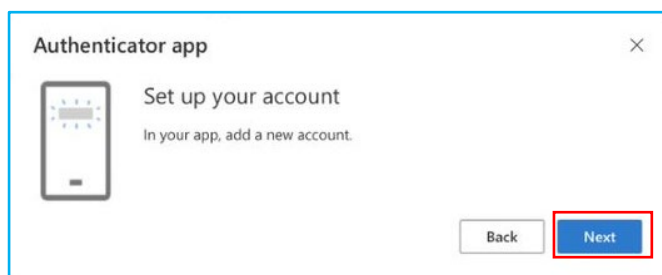
The image shows the UNSW Sydney 'More information required' page. It features the UNSW Sydney logo and the email 'z3535187@ad.unsw.edu.au'. The title 'More information required' is followed by the text 'Your organisation needs more information to keep your account secure'. There are two links: 'Use a different account' and 'Learn more'. A blue 'Next' button is at the bottom right, highlighted with a red rectangle.

9. At the Start by getting the app screen:
 - a. Click **I want to use a different authenticator app**.

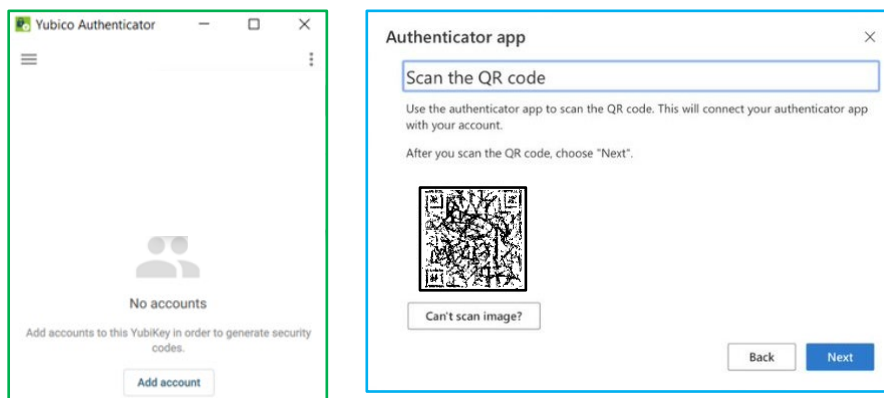


The image shows the Microsoft Authenticator 'Start by getting the app' screen. It has a blue header with the Microsoft Authenticator logo and the title 'Start by getting the app'. The text says 'On your phone, install the Microsoft Authenticator app. Download now' and 'After you install the Microsoft Authenticator app on your device, choose "Next"'. A link 'I want to use a different authenticator app' is highlighted with a red rectangle and a red circle with '9a' next to it. At the bottom are 'Cancel' and 'Next' buttons.

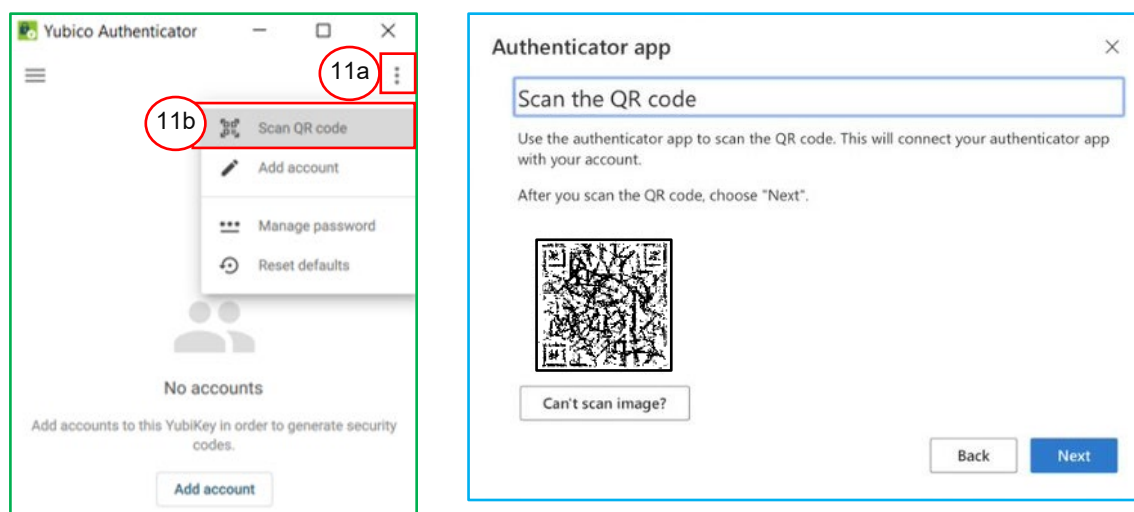
10. At the *Set up your account* screen, click **Next**.



11. On your computer, ensure your two windows, *Yubico Authenticator* and *Authenticator app*, are side by side on your primary monitor.

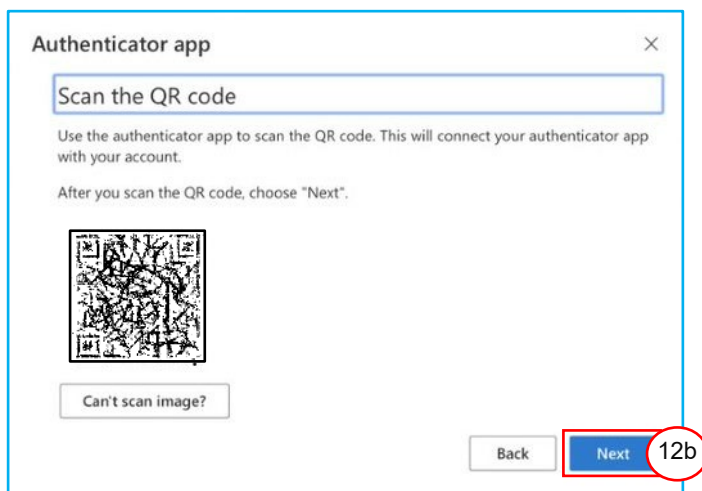
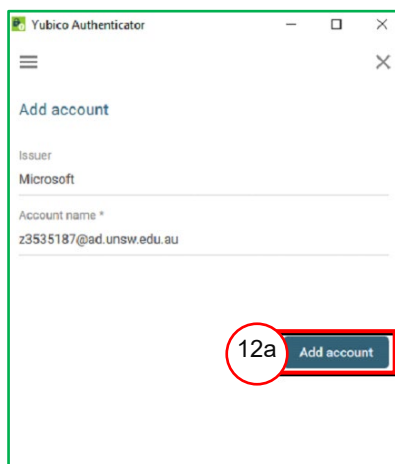


- a) In the *Yubico Application* (that you installed in Step 1) window, click **the three dots**.
- b) Then in the *Yubico Application* window, click **Scan QR code**.



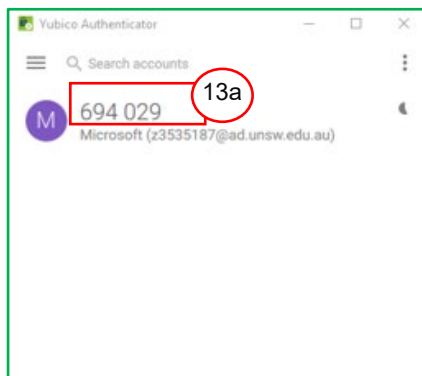
12. Once scanned,

- a) your account should appear in the *Yubico Authenticator window*. Click **Add account**.
- b) In your *Authenticator app window*, click **Next**.

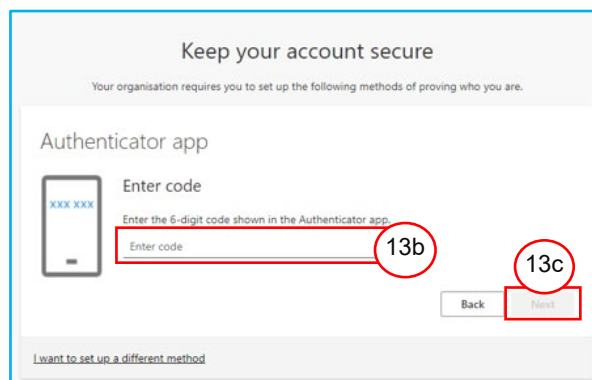


13. Copy the detail:

- a) In the *Yubico Authenticator screen*, copy the 6-digit number, and
- b) **Paste** (or manually enter) the 6-digit number into the *Code* section of your *Enter code* window.
- c) Click **Next**.

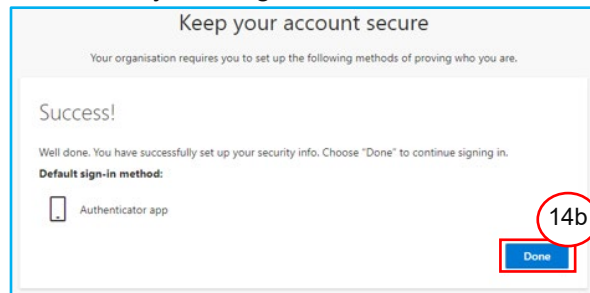
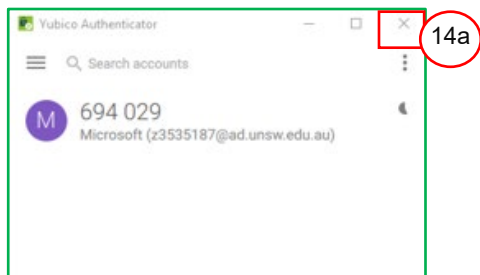


Note: The rolling 6-digit number will refresh every 30 seconds.

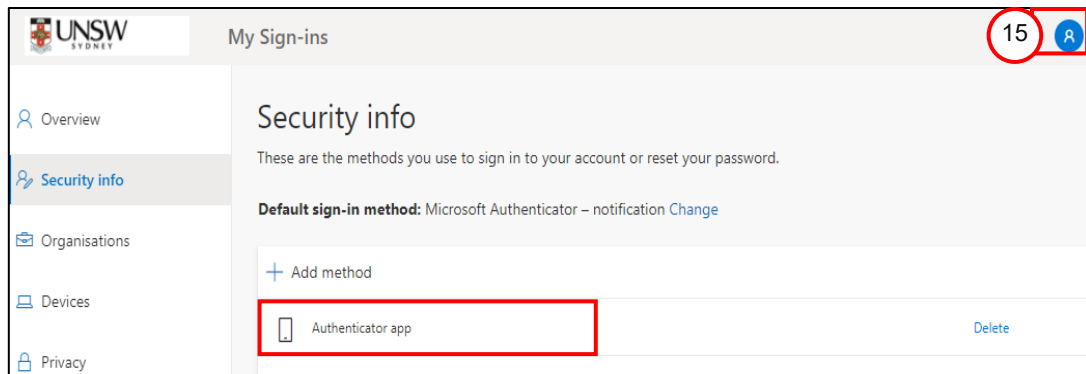


14. Finalise the process;

- a) In the *Success* window, click **Done**.
- b) In the Yubico Authenticator window, close the window by clicking the X.



15. You will be taken to your *My Sign-ins* window. The YubiKey set up is shown as **Authenticator app**. Click *My Account* and **Sign out** or simply close the browser window.



Congratulations, you have now successfully installed the (Yubico) Authenticator application and configured your YubiKey for use on this computer.

How to use the YubiKey

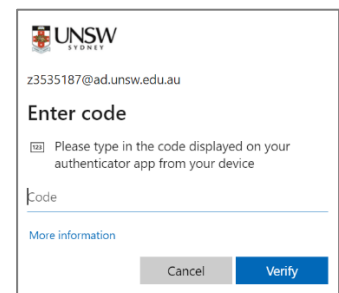
Follow these instructions to use a Yubico YubiKey to verify your log in to UNSW single sign-on applications on a computer which you have the Yubico Application installed.

A verification will be required every 60 days per device. You won't be asked to verify again **unless**;

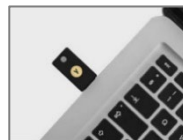
- you use another computer such as one on a Lectern,
- you use a new browser,
- you have cleared your internet browser cache/cookies,
- you log in from a new location/country, or
- our MFA solution considers that a risk-based event may have occurred.

1. Access a UNSW single sign-on application. If prompted, sign-in using your zID account and password.

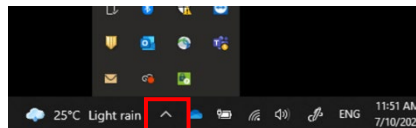
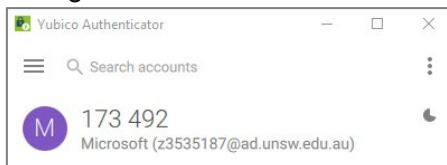
2. If MFA is triggered you will be presented with the *Enter code* window asking you to verify using your YubiKey, *Yubico Authenticator* application and the 6-digit code within.



3. Connect your YubiKey to your computer.



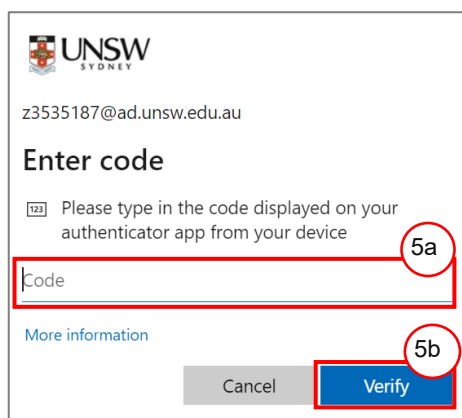
4. Open your *Yubico Application* and look at the rolling 6-digit code. This 6-digit code will change 30 seconds.



Note: If the Yubico Application does not open, open it in the Systems Tray (up arrow).

5. In the *Enter code* screen:

- a) **Paste** or (manually enter) the 6-digit code into the *Enter code* screen.
- b) Click **Verify**.



Congratulations, you have just verified your log in, and the UNSW application has opened.

