

# Overview

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### What do I need to do?

By 26 Sep 2023 Set up MIMS 2-Factor Authentication (2FA)

(Refer to **Pages 6 to 19** of this guide for instructions)

From 27 Sep 2023 Log in to Staff iCON via MIMS with 2FA-enabled

(Refer to <u>Pages 20 to 24</u> of this guide for instructions)

## Overview of MIMS 2-Factor Authentication (2FA) Set-up & Staff iCON Login

#### iCON is now accessible via:

- 1. MIMS Portal Recommended Method
- 2. Google Workspace Alternative Method



# What is MIMS 2FA?

MIMS 2-Factor Authentication (2FA), which replaces Google 2-Step Verification (2SV), allows authentication to MIMS with an additional layer of authentication aside from your MIMS password when logging into iCON. Your mobile device Your password is what you is what you VERIFY **HAVE KNOW** OTP/CODE LOGIN USER \*\*\*\*\*

# Prior to MIMS 2FA Set-up: Download & Install Authenticator App

#### Pre-requisite:

Please ensure that you have **ONE** of the following authenticator applications installed in your personal device in order to proceed with the 2FA enrolment.



Google Authenticator (Internet Link)



Microsoft Authenticator (Internet Link)



NetIQ Authenticator (Internet Link)



Note to Generic iCON account users:

Refer to FAQ section pg. 43 & 44 for MIMS login credentials information.

Refer to pg. 42 to 44 for more FAQs.

When setting up 2FA for generic iCON account (e.g. schoolname@moe.edu.sg), all staff who require access to the account will need to individually download and install the Authenticator App on their personal devices and scan the same QR code at the same time (refer pg. 13) so as to receive the OTP/Code when logging in.

Staff to set up and test 2FA upon first login to MIMS Portal

Log on to MIMS Portal

https://mims.moe.gov.sg/

Enter your MIMS login ID and password For School Staff:

MIMS Login ID ends with @schools.gov.sg

For HQ Staff:

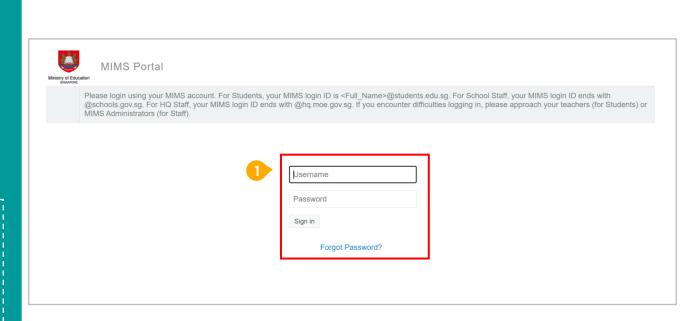
when logaing in.

MIMS Login ID ends with @hq.moe.gov.sg

Note to Generic iCON account users: Refer to FAQ section pg. 43 & 44 for MIMS login credentials information.

Refer to pg. 42 to 44 for more FAQs.

When setting up 2FA for generic iCON account (e.g. schoolname@moe.edu.sg), all staff who require access to the account will need to individually download and install the Authenticator App on their personal devices and scan the same QR code at the same time (refer pg. 13) so as to receive the OTP/Code

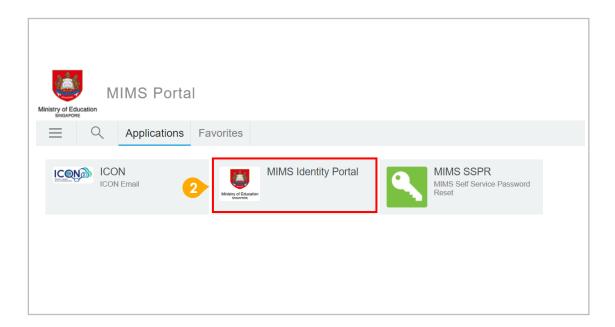


Staff to set up and test 2FA upon first login to MIMS Portal

Log on to MIMS Portal

https://mims.moe.gov.sg/

Under the 'Applications' tab, Click on 'MIMS Identity Portal'



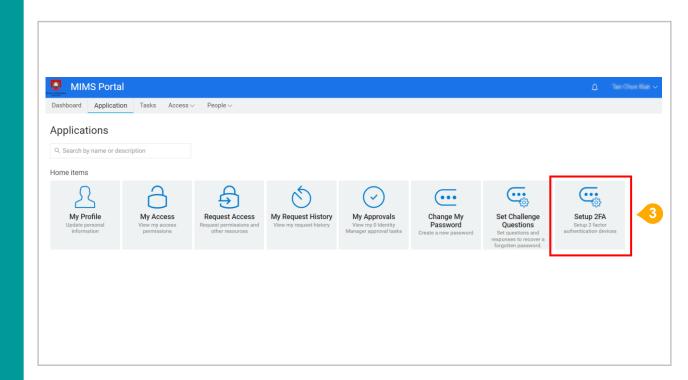
Staff to set up and test 2FA upon first login to MIMS Portal

#### **Enroll Authenticator App**

Applications will be listed.

Staff will have to set up 2-Factor Authentication (2FA) upon first login.

Click on 'Setup 2FA'



Staff to set up and test 2FA upon first login to MIMS Portal

#### **Enroll Authenticator App**

4 Enter your MIMS Login ID and click 'Next'

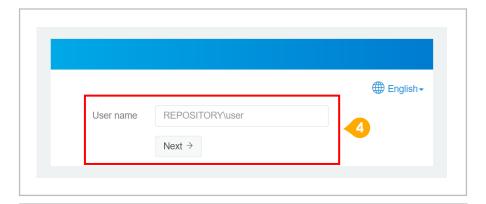
#### For School Staff:

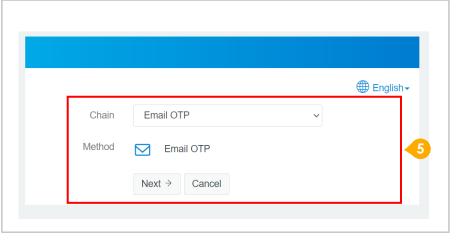
MIMS Login ID ends with @schools.gov.sg

#### For HQ Staff:

MIMS Login ID ends with @hq.moe.gov.sg

Click 'Next' to get the One-Time Password (OTP) via your work email (e.g. Classified Email System (CES), Singapore Government-Mail (SG-Mail), etc.)





Staff to set up and test 2FA upon first login to MIMS Portal

#### **Enroll Authenticator App**

Enter OTP which was sent to your work email (e.g. CES, SG-Mail, etc.) (email address where OTP is sent is indicated\*) and click 'Next'.



are accessing.

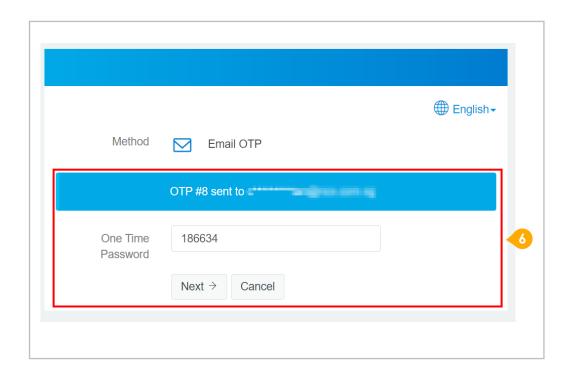
#### \* Note on Email OTP to

#### iCON users & MIMS LAs:

Should the email address indicated on the screen (where the OTP is being sent to) is different from the intended email address (e.g. CES or SG-Mail), you will need to seek assistance from your school's MIMS Local Administrator (LA) to update the email address that is tagged to the MIMS account that you

Refer to **Intranet link here** for information on your school's MIMS LA.

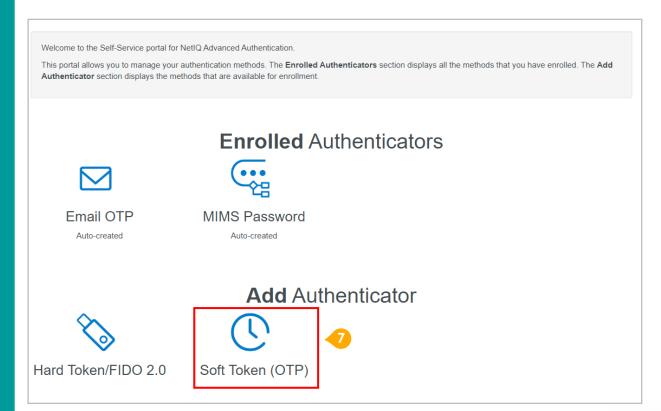
MIMS LAs to refer to Section 5 of the MIMS LA Guide here to update the email address.



Staff to set up and test 2FA upon first login to MIMS Portal

#### **Enroll Authenticator App**

Click on 'Soft Token (OTP)'



Staff to set up and test 2FA upon first login to MIMS Portal

#### **Enroll Authenticator App**

From Page 6, you should have downloaded and installed one of the three authenticator applications below on your personal device.

Launch the relevant Authenticator App installed in your personal device to scan the QR code.

#### **Authenticator Apps:**

- Google Authenticator (Internet Link)
  - Microsoft Authenticator (Internet Link)
- NetIQ Authenticator (Internet Link)

#### Note to Generic iCON account users:

Refer to FAQ section pg. 43 & 44 for MIMS login credentials information.

Refer to pg. 42 to 44 for more FAQs.

When setting up 2FA for generic iCON account

(e.g. schoolname@moe.edu.sg), all staff who

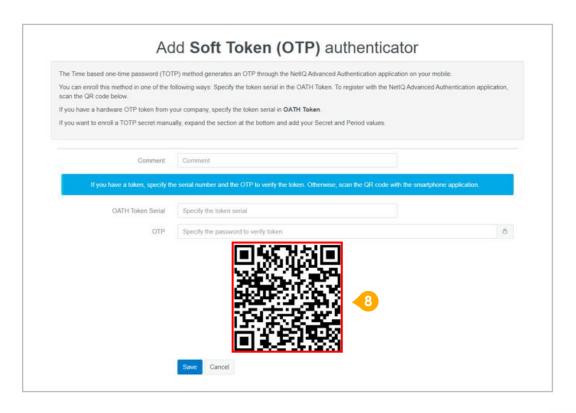
require access to the account will need to

individually download and install the

Authenticator App on their personal devices

and scan the same QR code at the same time

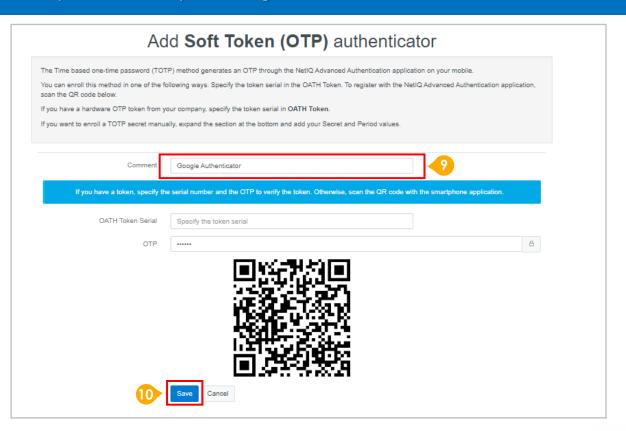
so as to receive the OTP/Code when logging in.



Staff to set up and test 2FA upon first login to MIMS Portal

#### **Enroll Authenticator App**

- Insert a comment in the 'Comment' field e.g. 'Google Authenticator'
- Click 'Save'

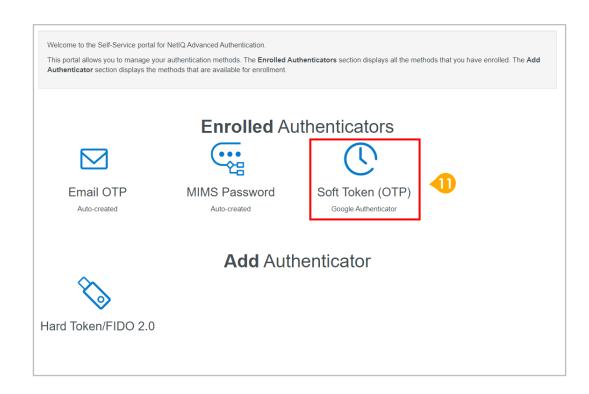


Staff to set up and test 2FA upon first login to MIMS Portal

#### **Test Enrolled Authenticator App**

'Soft token (OTP)' will be added to the 'Enrolled Authenticators'.

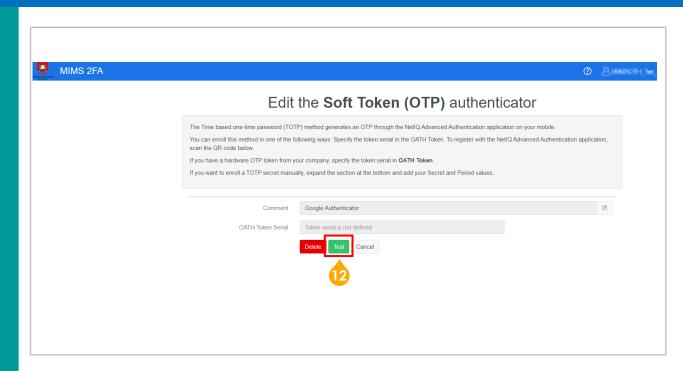
To test its functionality, click on the 'Soft Token (OTP)'



Staff to set up and test 2FA upon first login to MIMS Portal

#### **Test Enrolled Authenticator App**

Click on the '**Test**' button



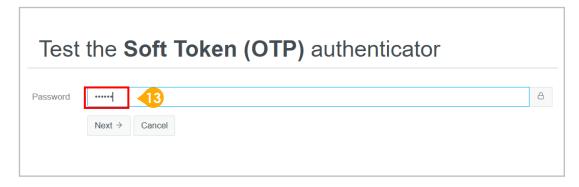
Staff to set up and test 2FA upon first login to MIMS Portal

#### **Test Enrolled Authenticator App**

Under 'Password'

Key in the OTP/Code from the **Authenticator App** 

Click 'Next'





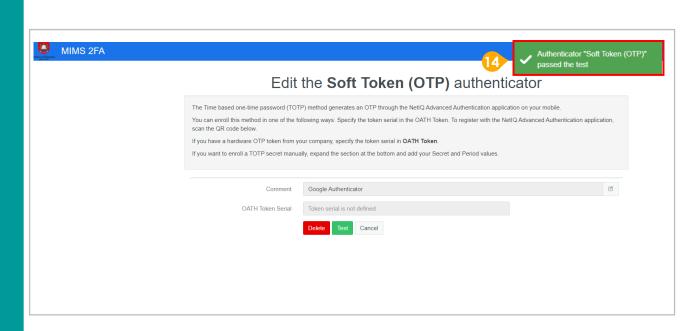
Staff to set up and test 2FA upon first login to MIMS Portal

#### **Test Enrolled Authenticator App**

If the enrolled Authenticator App is working successfully, you will receive this notification:

'Authenticator "Soft Token (OTP)" passed the test'

You have successfully completed the MIMS 2FA set-up.



Staff to set up and test 2FA upon first login to MIMS Portal

15 Please log out of MIMS Portal as well by clicking on the arrow icon

From the drop-down menu,

Click on 'Logout'



# Section 2: Login to Staff iCON via MIMS Portal (from 27 Sep 2023)

(Recommended Method)

#### Login to iCON with 2FA-enabled

Log on to MIMS Portal

https://mims.moe.gov.sg/

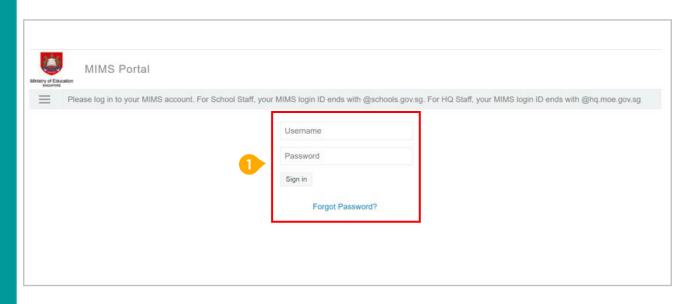


#### For School Staff:

MIMS Login ID ends with @schools.gov.sg

#### For HQ Staff:

MIMS Login ID ends with @hq.moe.gov.sg

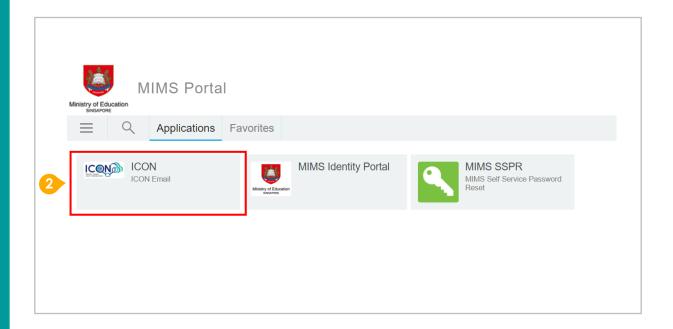


# Section 2: Login to Staff iCON via MIMS Portal (from 27 Sep 2023)

(Recommended Method)

#### Login to iCON with 2FA-enabled

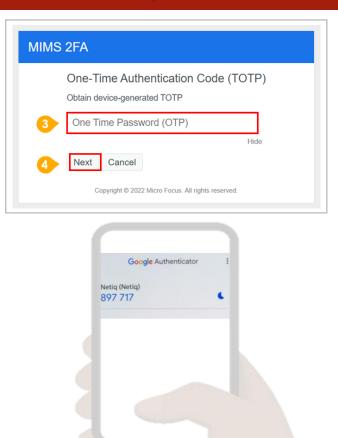
2 Under 'Applications' tab, Click on 'iCON'



# Section 2: Login to Staff iCON via MIMS Portal (from 27 Sep 2023) (Recommended Method)

#### Login to iCON with 2FA-enabled

- Key in the OTP/Code from your **Authenticator App**
- Click 'Next'

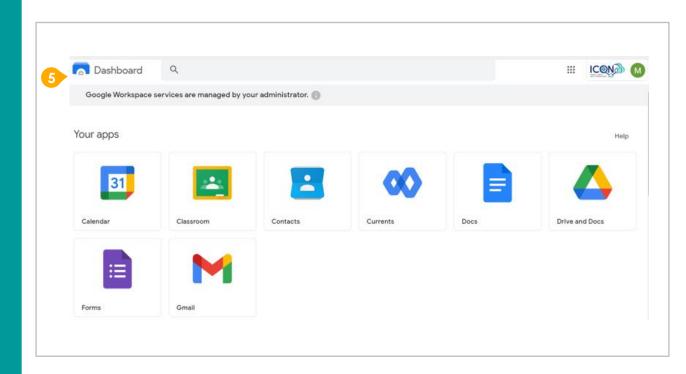


# Section 2: Login to Staff iCON via MIMS Portal (from 27 Sep 2023) (Recommended Method)

#### Login to iCON with 2FA-enabled

5 Success!

Now you are able to access your Google Workspace Dashboard.



# Section 2: Login to Staff iCON via MIMS Portal (from 27 Sep 2023) (Recommended Method)

#### Login to iCON with 2FA-enabled

6 To log out of iCON,

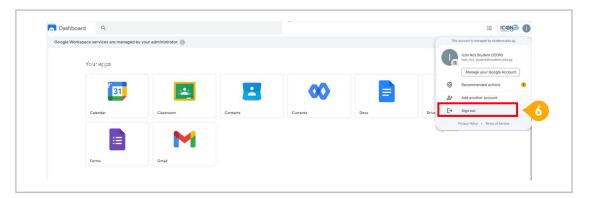
Click on this icon on your Google Workspace Dashboard

Click on 'Sign out'

Please log out of MIMS Portal as well by clicking on the arrow icon

From the drop-down menu,

Click on 'Logout'





# Section 3: Login to Staff iCON via Google Workspace (from 27 Sep 2023)

(Alternative Method)

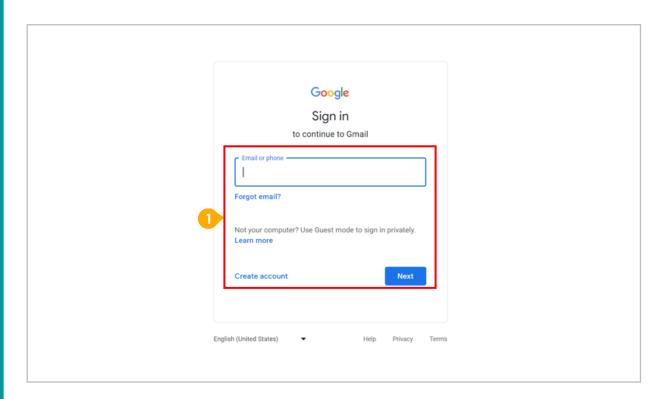
#### Login to iCON with 2FA-enabled

Navigate to Google Workspace Dashboard URL:

https://workspace.google.com/dashboard

1 Enter your **iCON email address** ending with @moe.edu.sg

Click 'Next'

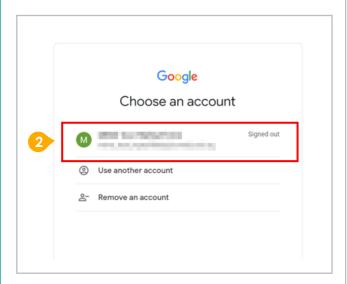


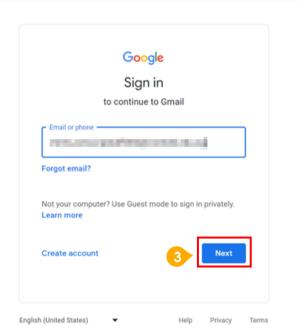
#### Login to iCON with 2FA-enabled

If you have not logged in before with your device, please proceed to Step 4.

If have logged in before with your device, continue with Step 2.

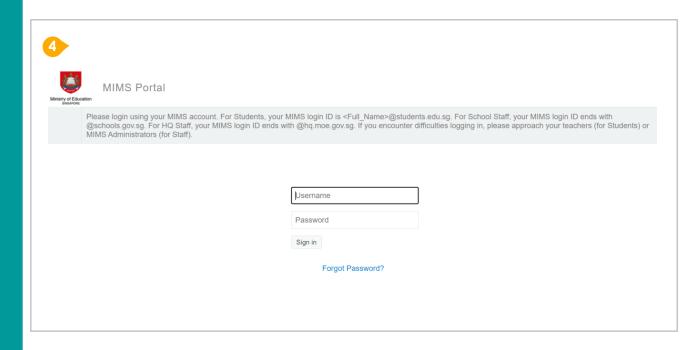
- Select your iCON account.
- Click 'Next'





#### Login to iCON with 2FA-enabled

You will be redirected to MIMS Portal sign in page



#### Login to iCON with 2FA-enabled

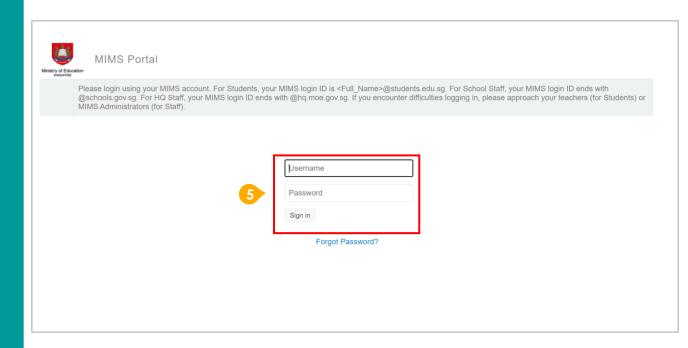


#### For School Staff:

MIMS Login ID ends with @schools.gov.sg

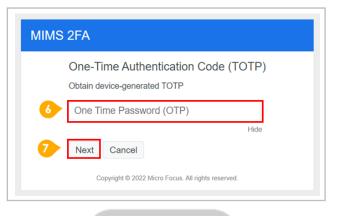
#### For HQ Staff:

MIMS Login ID ends with @hq.moe.gov.sg



#### Login to iCON with 2FA-enabled

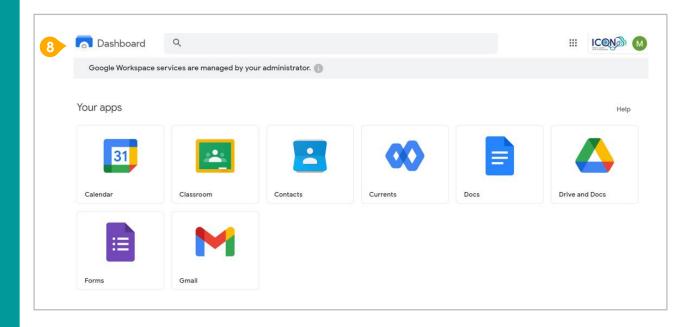
- in the OTP/Code from your **Authenticator App**
- Click 'Next'





#### Login to iCON with 2FA-enabled

Now you are able to access your Google Workspace Dashboard.



#### Login to iCON with 2FA-enabled

To log out of iCON,

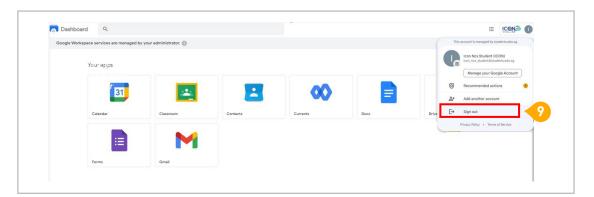
Click on this icon on your Google Workspace Dashboard

Click on 'Sign out'

10 Please log out of MIMS Portal as well by clicking on the arrow icon

From the drop-down menu,

Click on 'Logout'

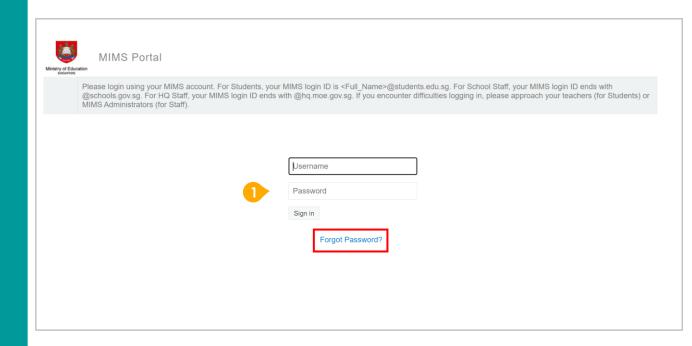




Access MIMS Portal at:

https://mims.moe.gov.sg/

**1** If you have forgotten your password, Click 'Forgot Password?'.



Enter your MIMS Login ID.

Click 'Search'.

#### For School Staff:

MIMS Login ID ends with @schools.gov.sg

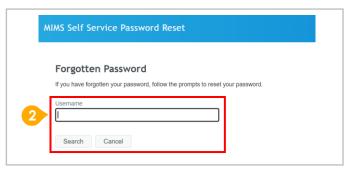
#### For HQ Staff:

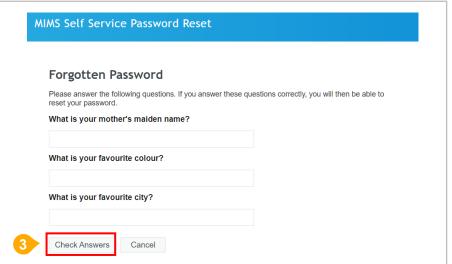
MIMS Login ID ends with @hq.moe.gov.sg

You will be prompted to answer three security questions that you have set earlier in order to perform a self-service password

Enter your answers to the questions correctly and click 'Check Answers'



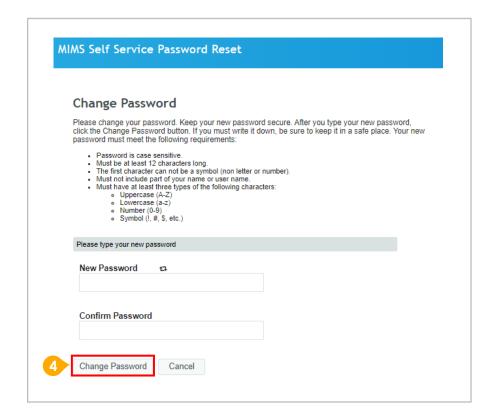




You will then be prompted to change your password.

Enter and confirm your new password, following the password requirement guidelines on the screen.

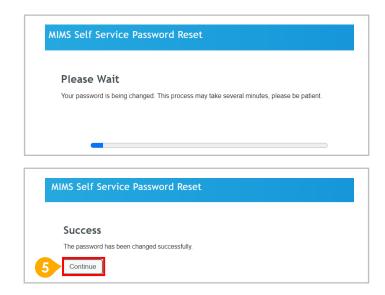
Click 'Change Password'.



5 Your password change will take some time to be completed.

Once password change is successful,

Click 'Continue'.



Upon successful password reset, please attempt to login again by entering your MIMS login ID and new password.

Click 'Sign in'.

#### For School Staff:

MIMS Login ID ends with @schools.gov.sg

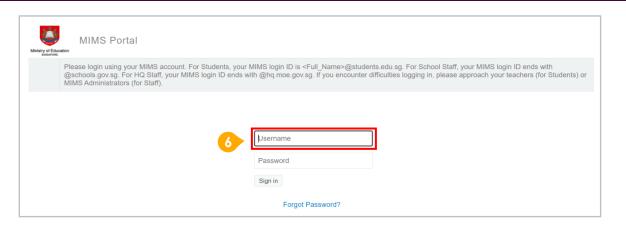
#### For HQ Staff:

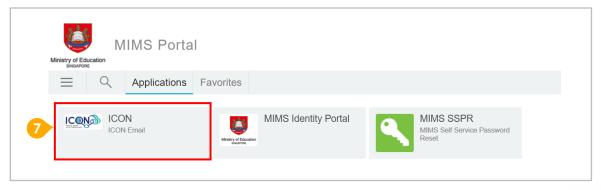
MIMS Login ID ends with @hq.moe.gov.sg

7 Success!

You will arrive at this MIMS Portal Applications page upon successful login.

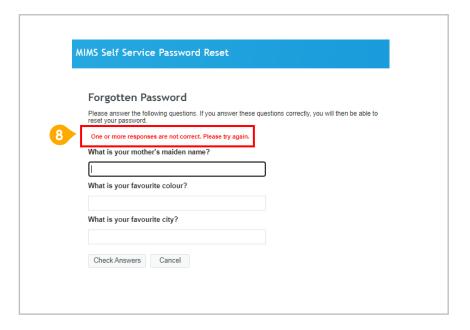
Select '*ICON*' to access your Google Workspace Dashboard.





If you are unable to perform self-service password reset as you have forgotten the answers to your MIMS Security Challenge Questions, your password reset must be performed by your school's MIMS Local Administrator (LA).

Refer to **Intranet link here** for information on your school's MIMS LA.



#### MIMS 2FA & General iCON Matters

What is MIMS 2-Factor Authentication (2FA)?

MIMS 2FA, which replaces the Google 2-Step Verification (2SV), allows authentication to MIMS with an additional layer of authentication required aside from your MIMS password. This provides an **extra layer of security** when logging in iCON via MIMS.

2. Since MIMS 2FA replaces Google 2SV, can I remove my mobile/phone number which I have provided during the setting up of Google 2SV?

You are advised to maintain your mobile/phone number (which you had provided during the 2SV set-up) in the event that 2SV may be required.

3. Where can I download the Authenticator App (e.g. Google or Microsoft Authenticator)?

Authenticator apps can only be downloaded on personal devices such as mobile phones or tablets. Refer to <u>Page 6 of this guide</u> for more details.

4. When managing both <u>individual and generic iCON accounts (on behalf of school/Language Centre/HQ division)</u>, what is the recommended authenticator app for configuring multiple MIMS 2FA profiles on iOS devices?

When configuring more than one MIMS 2FA profile on iOS devices, you are recommended to **download and install Google Authenticator app** instead of Microsoft Authenticator app for optimal user experience.

5. When will I need to set up MIMS 2FA?

You are advised to set up your MIMS 2FA by 26 Sep 2023.

From 27 Sep 2023, you will need to login to iCON via MIMS Portal with your MIMS 2FA enabled.

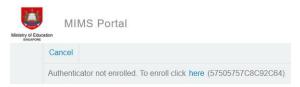
6. Will I be prompted to set up MIMS 2FA?

No. You will be required to follow <u>Section 1 in this guide</u> to set up your MIMS 2FA by 26 Sep 2023. From 27 Sep 2023, you will need to login to iCON via MIMS with your MIMS 2FA-enabled.



7. Will I still be able to access my iCON account from 27 Sep 2023 if I have not set up my MIMS 2FA?

No. You will not be able to access your account and will be prompted with the error screenshot below. You will need to follow Section 1 in this guide to set up your MIMS 2FA before you can login iCON.



8. What will happen to my existing iCON emails & documents?

Existing iCON emails and documents uploaded to the various Google apps (Drive, Classroom, etc.) will not be affected.

9. Will MIMS 2FA be required for Student iCON as well?

No. MIMS 2FA is not required for Student iCON.

10. Prior to Staff iCON onboarding MIMS before 27 Sep 2023, what should I do if I am not able to receive the MIMS email OTP when attempting to set-up MIMS 2FA (or enrol Authenticator app)?

Refer to Page 11 of this guide for more information. Should staff have verified that the email address in MIMS Portal is correct and have still not received the email OTP, please email SSOE 2 Service Desk at 1800 7663 663 or email help@schools.gov.sg for assistance.

11. After Staff iCON onboard MIMS from 27 Sep 2023, what should I do if I am not able to receive the MIMS email OTP when attempting to set-up MIMS 2FA (or enrol Authenticator app)?

Note that with Staff iCON onboarding MIMS from 27 Sep 2023, MIMS 2FA will be required for login to Staff iCON via MIMS Portal. As such, staff would not be able to receive the MIMS email OTP should the email address indicated in MIMS Portal is their Staff iCON email address (ending with @moe.edu.sg). Staff will also need to update their email address in MIMS Portal if they no longer have access to the email address or if their Staff iCON email address is indicated in MIMS Portal.

Staff should approach their school MIMS Local Administrator to update their email address to another work/personal email address (e.g. CES) to receive this one-time MIMS email OTP during the setting up of MIMS 2FA and reverting back to the previous work email address if necessary. Refer to <u>Page 11 of this guide</u> for more information.

Should staff have verified that the email address in MIMS Portal is correct and have still not received the email OTP, please email SSOE 2 Service Desk at 1800 7663 663 or email help@schools.gov.sg for assistance.

12. What should I do if I do not have a mobile phone or tablet to download the authenticator app for the setting up of MIMS 2FA? Refer to the following MIMS Intranet link and follow the Step A & Step B below for the request and enrollment of hard token respectively:

https://intranet.moe.gov.sg/itd/Pages/mims/MIMS 2FA Guide.pdf

- Step A Refer to Section 4 (pg. 20 to 26) of the above Intranet link (Hard Token Registration) to request/register for hard token
- Step B For the enrollment of hard token, refer to the process below.
  - i. Refer to this guide (pg. 7 to 11; Step 1 to 6) to start enrolling hard token ("Hard Token/FIDO 2.0") and;
  - ii. Continue with Section 5 (pg. 27 to 38) of the above Intranet link to complete the enrollment of hard token.

Should you require further assistance, please email:

- MOE OPA@moe.gov.sq for issues on request of hard token and;
- MOE ITD MIMS@moe.gov.sa for issues on enrollment of hard token.



- 13. What should I do if I encounter an error message when setting up MIMS 2FA and my 2FA set-up is unsuccessful?

  Please proceed to logout of MIMS Portal and try logging in again to restart the process of setting up MIMS 2FA.
- 14. How do I perform MIMS password change or password reset?

For password change, please refer to Section 6 in MIMS End User Intranet Guide here.

For password reset, please refer to <u>Page 32 in this guide</u> for self-service password reset.

Note that you should have set up MIMS Challenge Security Questions previously to be able to use the self-service password reset feature. Refer to <u>Section 5 in MIMS End User Intranet Guide here</u> for the setting up of challenge security questions. Should you be unable to remember the answers to your challenge security questions, please contact your school's <u>MIMS Local Administrator</u> (<u>LA</u>) for password reset. Refer to Intranet link <u>here</u> for information on your school's MIMS LA.

#### 15. If I have technical issues or other queries, where can I seek assistance?

You can reach out to your school's Desktop Engineer (DE) or log a case with **SSOE 2 Service Desk** at **1800 7663 663** or email <a href="mailto:help@schools.gov.sg">help@schools.gov.sg</a> for assistance.

#### **Generic iCON accounts**

1. When managing both <u>individual and generic iCON accounts (on behalf of school/Language Centre/HQ division)</u>, what is the recommended authenticator app for configuring multiple MIMS 2FA profiles on iOS devices?

When configuring more than one MIMS 2FA profile on iOS devices, you are recommended to **download and install Google Authenticator app** instead of Microsoft Authenticator app for optimal user experience.

2. For generic iCON accounts, how should users of the generic iCON account set up MIMS 2FA?

All the users who require access to the same generic iCON account will need to scan the QR code at the same time for MIMS 2FA set-up when enrolling their Authenticator apps. Refer to <a href="Page 13">Page 13</a> of this guide for more details.

3. For <u>generic iCON accounts</u>, what do existing users need to do should they no longer require access to the account? How about new users who require access to the account?

**Existing users** who do not need to access the generic account would need to delete their previously enrolled mobile/hard token on MIMS Portal and perform removal of the profile from their authenticator app. Refer to <a href="Page 19">Page 19</a> of the MIMS 2FA Intranet guide here. for the deletion of <a href="mailto:mobile token">mobile token</a> process. For <a href="mailto:hard token">hard token</a> users, refer to <a href="mailto:Page 39">Page 39</a> of the MIMS 2FA Intranet guide here.

For **new users** who would like to access the generic account, all existing users would need to delete their previously enrolled mobile/hard token on MIMS Portal and remove their respective profiles from their authenticator apps and repeat the whole process of setting up MIMS 2FA (in <u>Section 1 of this guide</u>) for the generic iCON account as described in above FAQ #1.

Refer to <u>Page 19 of the MIMS 2FA Intranet guide here</u> for the deletion of <u>mobile token</u> process. For <u>hard token</u> users, refer to <u>Page 39 of the MIMS 2FA Intranet guide here</u>.

4. For existing school generic iCON accounts, where can school users obtain MIMS login credentials to access iCON via MIMS Portal? Users should check in with school's HOD ICT or ICT Manager/Associate for the MIMS login credentials, which is available via the ITD iCollaborate folder Intranet link here under the iCON sub-folder (accessible only by HOD ICT or ICT Manager/Associate).

HOD ICT or ICT Manager/Associate can refer to Intranet guide here on how to access the MIMS login credentials for the generic iCON accounts.

School's MIMS Local Administrator (LA) (Intranet link) will need to request via MIMS Portal to transfer the location of the MIMS account (tagged to the generic iCON account) from "ICON" to school location (refer screenshot from MIMS Portal below). MIMS LA can refer to Section 8 of the MIMS LA Intranet guide here for the process. After the approval of the transfer request by MIMS Approving Officer (AO), MIMS LA can proceed to reset the password of account.



For password reset of MIMS account, approach your school's MIMS Local Administrator (LA). Refer to Intranet link here for information on your school's MIMS LAs.

Note that new account login credentials will no longer be sent to the generic school/HQ Division's Messaging SPOC iCON mailbox (admin school name@moe.edu.sg) created previously for schools/HQ Divisions. As shared in ITD's circular on 17 Oct 2023 (Intranet link), schools/HQ divisions should have retained the use of this generic account for various administrative purposes (e.g. school-managed software/app subscriptions) by 10 Nov 2023.

5. For existing MOE HQ generic iCON accounts, where can HQ users obtain MIMS login credentials to access iCON via MIMS Portal?

An email will be sent to the generic iCON email address containing MIMS login credentials and other information. Please refer to the email sent for details.

The relevant HQ division/branch MIMS Local Administrator (LA) (Intranet link) will need to request via MIMS Portal to transfer the location of the MIMS account (tagged to the generic iCON account) from "ICON" to school location (refer screenshot from MIMS Portal below). MIMS LA can refer to Section 8 of the MIMS LA Intranet guide here for the process. After the approval of the transfer request by MIMS Approving Officer (AO), MIMS LA can proceed to reset the password of account.



For password reset of MIMS account, approach your <u>MIMS Local Administrator (LA)</u>. Refer to Intranet link <u>here</u> for information on your MIMS LAs.

6. For newly-created school & HQ generic iCON accounts, how will users obtain the account login credentials?

The account login credentials will be sent to the requestor/custodian's work email address indicated in the application form for the generic iCON account (refer <a href="Intranet link here">Intranet link here</a> for the application form).

Note that new account login credentials will **no longer be sent to the generic school/HQ Division's Messaging SPOC iCON mailbox (admin\_school name@moe.edu.sg) created previously for schools/HQ Divisions**. As shared in ITD's circular on 17 Oct 2023 (Intranet link), schools/HQ divisions should have retained the use of this generic account for various administrative purposes (e.g. school-managed software/app subscriptions) by 10 Nov 2023.

#### Newly-created Staff iCON accounts

 For newly-created Staff iCON accounts, how will users obtain the account login credentials? For school staff, the account login credentials will be sent to the school's Primary & Secondary Messaging Single Point of Contact (SPOC)'s registered work email address (refer to iCON Google link here for schools' Messaging SPOCs information).

For MOE HQ staff, the new account login credentials will be sent to MOE OPA who will share with the relevant staff user. You can contact MOE OPA at MOE\_OPA@moe.gov.sg if necessary.

Note that new account login credentials will **no longer be sent to the generic school/HQ Division's Messaging SPOC iCON** mailbox (admin\_school name@moe.edu.sg) created previously for schools/HQ Divisions. As shared in ITD's circular on 17 Oct 2023 (Intranet link), schools/HQ divisions should have retained the use of this generic account for various administrative purposes (e.g. school-managed software/app subscriptions) by 10 Nov 2023.

# **Revision History**

Version	Date	Description
1.0	29-Aug-2023	Initial version published on <u>Intranet link</u> in Aug 2023.
1.1	14-Feb-2024	1.Inserted FAQ Q4 to "MIMS 2FA & General iCON" FAQ section 2.Inserted FAQ Q1 to "Generic iCON accounts" FAQ section 3.Minor updates to Slide 40 to 42 Section/pg no. of MIMS 2FA & MIMS End User Intranet guides 4.Updates to Slide 43 to 45 on the Messaging SPOC account with reference to 17 Oct 2023 circular (Intranet link) sent to schools 5.Inserted Slide 46 on "Revision History" of guide