GCC 2.0 Tech Talks



- AWS GA is targeted at 4th May 2022.
- If and when we talk about Native Services, we will probably cite AWS only as these are gearing towards AWS GA preparation.
- Information on Azure will be shared in coming months (to recap, Azure GA will be by Q3 2022).
- All slides will be shared and most of the documentation will also be translated to either Developers Portal (accessible by everyone) or Docs Portal (only accessible by for TechPass account holders).
- All the slides can be shared with existing contractors who are required to manage Projects on GCC as deemed fit by Agencies.
- The series of "Brown Bag" lunch time tech talk is arranged so as to ensure more people can join us in view that some will clash with your meetings. Please feel free to have your lunch while you join us.



- You will be put on mute by default.
- Video should be turned off.



Q&A Segment



- Type in message box when you want to ask a question.
- Wait to be acknowledged by the presenter before speaking.
- Unmute your microphone and state your name and agency clearly.



Session Recording

- Please note that the series of GCC 2.0 Tech Talks will be recorded.
- The video recordings will be made available (in SharePoint).



Let Us Know Your Feedback!





https://form.gov.sg/625cbd578a621f0012fa9bac

- Let us know what went well and how we can improve.
- We want to ensure that we are bringing the right contents to you so as to help Agencies.
- If you have any questions, please reach out to us at Ask_CODEX@tech.gov.sg





Self-service Onboarding SEED and TechPass for Public Officers and Vendors

Kellyn, Kok Pin GDS Central

Date: 4th May 2022

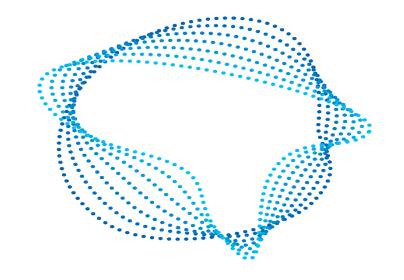


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- 2. Onboarding Flow
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- 3. Offboarding Process
- 4. Incident Support
- 5. TIPS on How to have a smooth onboarding journey to SEED
- 6. DEMO
- 7. Q&A



Why You Should Onboard to SEED







SEED (Security Suite for Engineering Endpoint Devices)

- Identity and Access Management (IAM) platform for the GCC2.0 environment

SEED comprise of the following components:

- 1. **TechPass** Identity Service to allow single set of credentials for SG Tech Stack/GCC2.0 services.
- 2. CloudFlare Teams Enforces Zero trust network access. Comprises of Cloudflare WARP, Cloudflare Gateway and Cloudflare Access.
- 3. **DEEP (Development Environment Endpoint Posture)** DEEP is the device management layer of the MDM. It manages the following:
 - **Microsoft Intune** Provides device and application management, including remote application deployment and selective device wipe.
 - MDATP (Microsoft Defender Advanced Threat Prevention) Enterprise class vulnerability management, threat detection and response security solution.
 - **Tanium** Endpoint assets and posture management. Works with Cloudflare to ensure posture based conditional access.



Why You Should Onboard to SEED



Security Suite for Engineering Endpoint Devices (SEED) is a suite of tools consisting of **Cloudflare Teams**, **TechPass**, and **Developers' Environment Endpoint Posture (DEEP)**, which will be used to protect against unauthorised access to Government engineering resources.

Benefits of SEED

- Full Self-Service signup process.
- Visibility on onboarded personnel, their device(s) and their compliance status.
- Access DEEP Dashboard (via Cloudflare WARP) to update your Internet Devices' security.
- SEED Single Sign-On coverage for other SGTS products and Developer Services.
- Onboarding to SEED now allows you to have a smother transition when migrating to GCC2.0 in future, as your device will already have the access prerequisites for GCC2.0.

Budget and Cost of SEED

Licenses for Intune, Defender, Tanium and Cloudflare will be centrally procured. Agencies do not need to put up purchase for these licenses. The associated costs will be recovered by GovTech via SMF. However, Agency may need to budget and procure internet machines to be onboarded as Government Managed Devices for access of GCC2.0.

SEED

Real-time periodic posture checks with capability to terminate only individual services

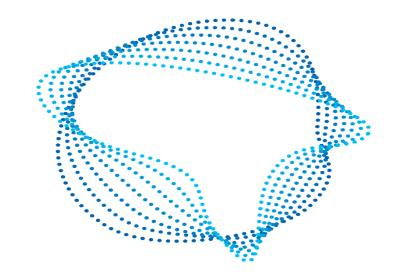
Real-time secured identity (with MFA) and device posture through an encrypted channel to access apps

A single identity, streamlined on/off boarding and simplified access to apps and services

If you use GMD (internet device) to access GCC or some of the SGTS products, using SEED is MANDATORY



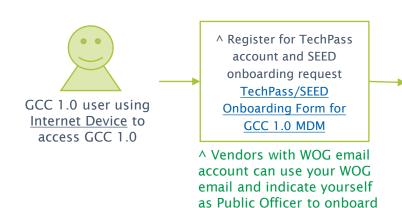
Onboarding Flow





GCC 1.0 MDM Onboarding Flow





Receive TechPass invite email either on Tuesdays of Fridays

* Accept invitation and proceed to onboard to TechPass. (Invitation will be invalid after 30 days)

* If you do not see the invitation email in your inbox, check if it is the same email address you provided during sign up, and if a spam filter or email rule moved it to other folders, Junk Email, Deleted Items or Archive folder.

refer to step-by-step instructions in DevPortal documentation. TechPass Onboarding as Public Officer (PO) [Note: From Step 2 onwards1 TechPass Onboarding as Vendor

[Note: From Step 2 onwards]

Receive the email invite from SEED support with the subject "TechPass Notification: SEED Onboarding."

You need to complete the onboarding for BOTH TechPass and SEED in order to be deemed as onboarded to GCC MDM. Agencies that have not onboarded to GCC MDM will not be able to connect to GCC 1.0 via their internet devices from 01 Aug **2022**. Once the onboarding to GCC MDM is done for GCC 1.0, you need not repeat the onboarding step again if you are using the same Internet Device to access GCC 2.0 in the future.

TechPass and SEED.

^^ If your internet device is currently onboarded with pre-existing MDM, you need to offboard the device from the pre-existing MDM and Antivirus solutions before onboarding to SEED. Agencies are to take note that only 1 device may be onboarded per User, and Virtual machines (VMs) are currently not supported. For more details, please refer to the Prerequisites for SEED onboarding.

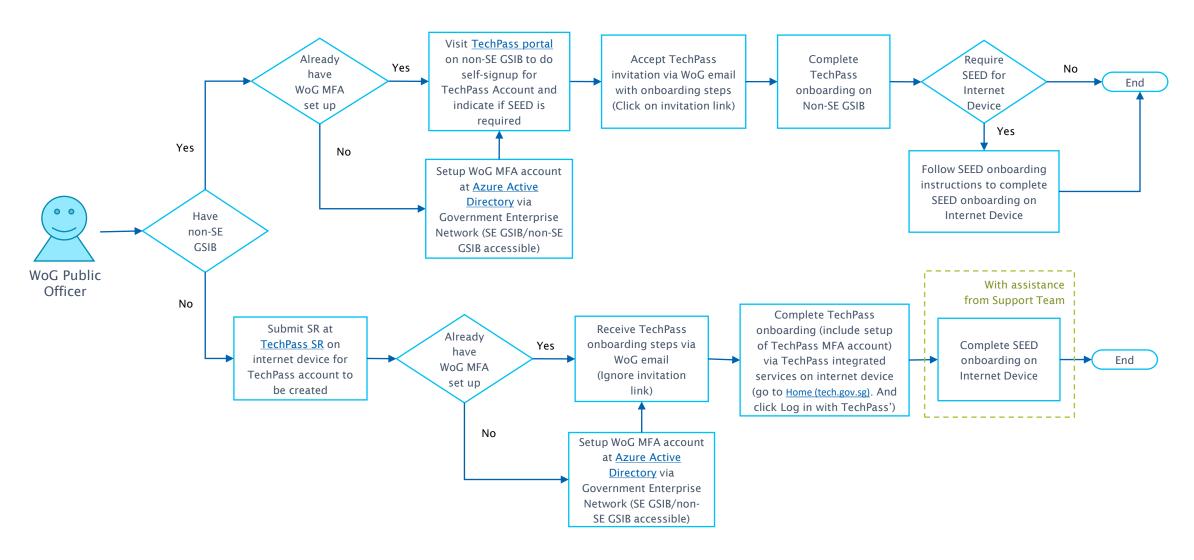
^^ Setup SEED in non-GSIB devices with the email address registered following the guides: For Mac User For Windows User

Perform verification following the steps Seed Post Onboarding Verification For GCC 1.0



Typical Onboarding Flow < Public Officer >

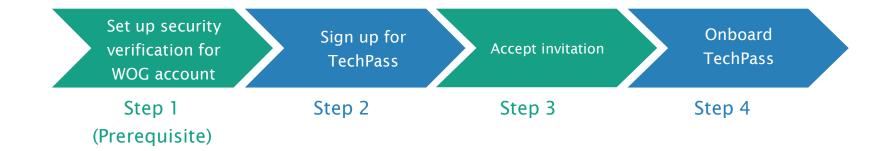




Onboarding to TechPass < Public Officer >



Public Officers



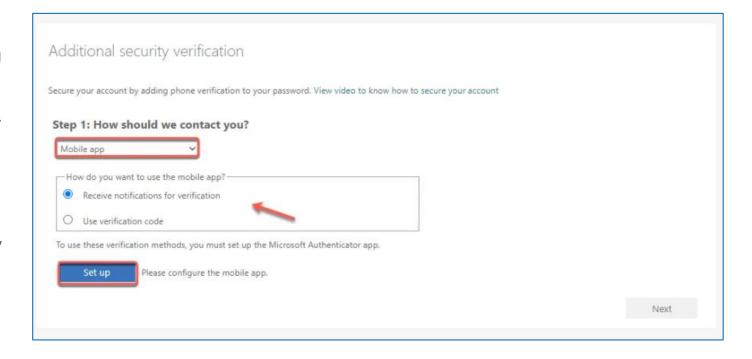
Public Officer with WOG email account (ie. gov.sg) Who are considered **Public Officers** Vendors with WOG email account (ie. gov.sg)



1a. Set up Security Verification for WOG Account < Public Officer>



- This step is mandatory for public officers who will be accessing SGTS services using their GMD and whose SG Govt M365 profile is not displayed in their Microsoft Authenticator app. Others may skip this and proceed to Step 2. Sign Up for a TechPass Account.
- Public officers need to set up security verification (multi-factor authentication) for their Whole-of-Government (WOG) account to access Singapore Government Technology Stack (SGTS) services and tools from their GMD device.
- To set up security verification for WOG account, go to <u>Azure Active Directory</u> in the non-SE GSIB device.
- If you are prompted to sign in, use your organisation email address and GSIB device password.
- Select Mobile app as the preferred authenticating method, and we strongly recommend you to choose Receive notifications for verification.
- · Click Set up.

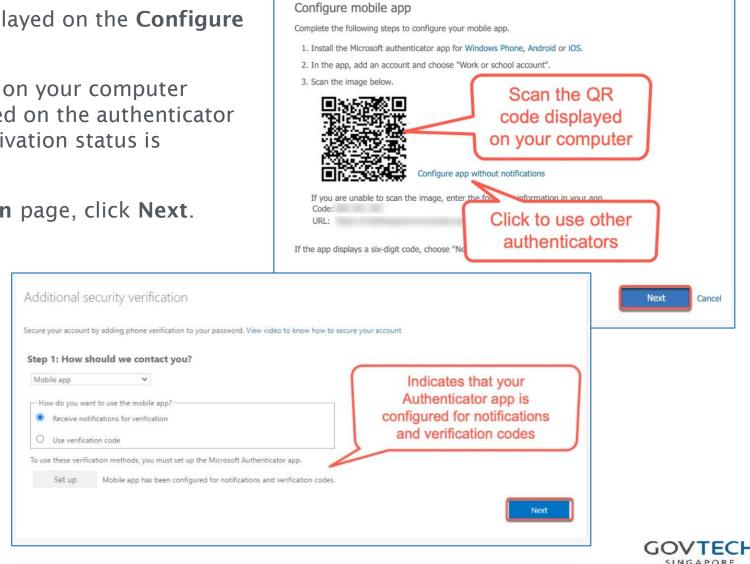




1b. Set up Security Verification for WOG Account < Public Officer> ...



- Follow the on-screen instructions displayed on the Configure **mobile app** page.
- Once you scan the QR code displayed on your computer screen, your WOG account will be listed on the authenticator app and when you click **Next** your activation status is confirmed.
- In the Additional security verification page, click Next.
- To verify that you are reachable on your mobile device, a notification is sent to your mobile app. Approve sign-in on the **Authenticator** app.

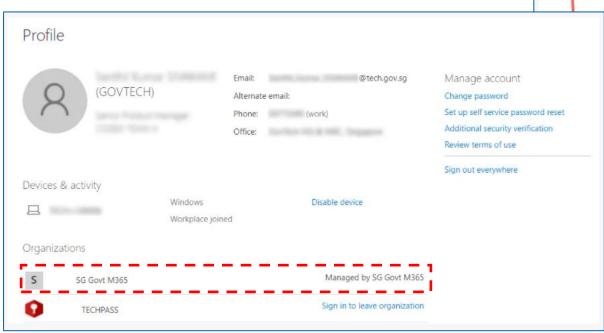


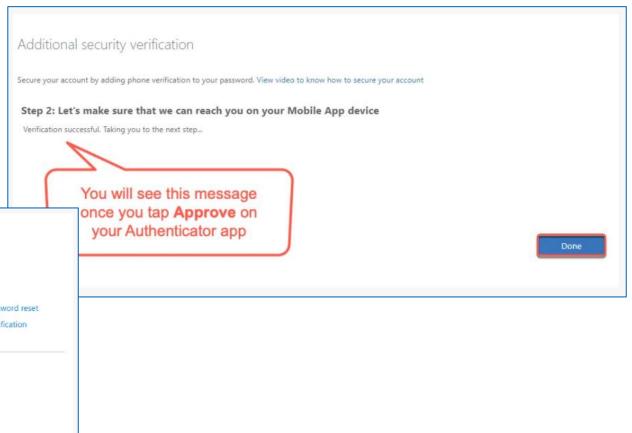


1c. Set up Security Verification for WOG Account < Public Officer> Commercial Clou



- Click Done.
- Your **Profile** page is displayed.





2a. Sign Up for a TechPass Account < Public Officer >



Public Officers Using Non SE Machines

Non SE Machines uses Bitlocker for encryption

- 1. Go to <u>TechPass portal</u> and click Sign Up.
- 2. Enter your organisational email address. (Format shall be your_name@agency.gov.sg or your_name@tech.gov.sg)
- 3. Indicate if you would require to onboard to SEED (only for non-GSIB device or Internet Device)
- 4. Select I'm not a robot.
- 5. Click Submit.
- 6. An invitation will be sent to this email address. Receive SEED onboarding instructions via WoG email for Internet Device if SEED is required.
- 7. Click on Invitation link.
- 8. Complete TechPass onboarding.
- 9. Complete SEED onboarding on Internet Device.

Public Officers Using Secure Email GSIB Devices

SE GSIB devices uses PSCard for encryption

- 1. Raise a <u>service request</u> to request for TechPass account on an Internet Device.
- 2. Select Service Request for ticket request type, Create TechPass account for Secure Email GSIB users and confirm that you are a SE GSIB user before submitting the ticket.
- 3. It takes <u>3 business days</u> for to provision the TechPass Account.



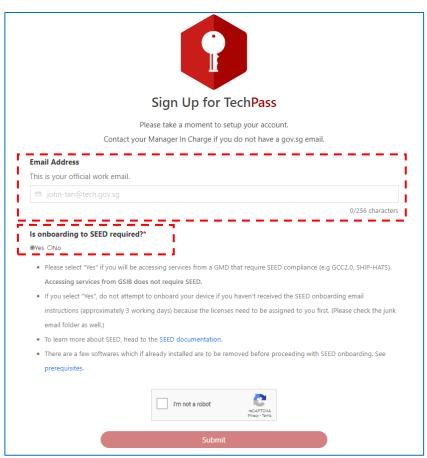
2b. Sign Up for a TechPass Account < Public Officer >



Public Officers Using Non SE Machines







Public Officers Using Secure Email GSIB Devices

2. Ticket Request Type

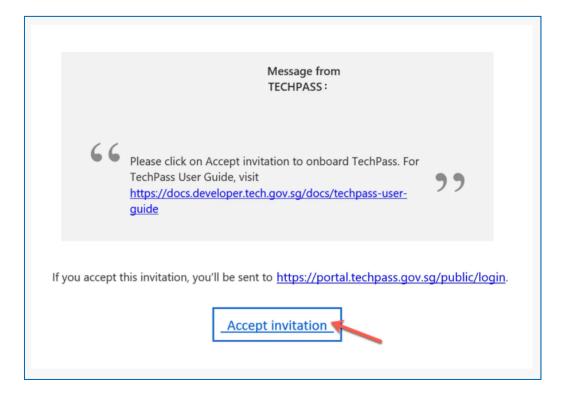
Please select the type of support ticket you like to raise			
•	Service Request		
	Incident Request		
3. Service Requests			
Please select the issue that best describes the assistance you needed.			
	Reset Multi Factor Authentication (MFA)		
•	Create TechPass account for Secure Email GSIB users		
4. Are you a Secured Email (SE) GSIB user?			
SE GSIB user would be holding onto a SE card which is required to access your GSIB			
	× NO	✓ YES	



3. Accept Invitation < Public Officer >



- Search for the email with the invitation link in your inbox.
- If you do not see this email in your inbox, check if it is the same email address you provided during sign up, and if a spam filter or email rule moved it to other folders, Junk Email, Deleted Items or Archive folder.
- Click Accept invitation and proceed with Onboarding to TechPass.



Note:

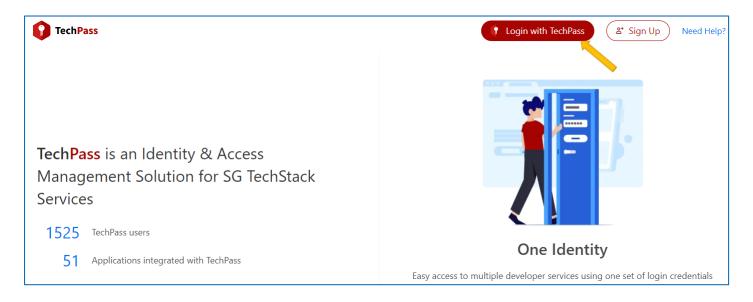
- Public officer has to accept this invitation within 30 days to onboard to TechPass. Invitation is not valid after 30 days and you need to sign up again for a TechPass account.
- Once you've started the TechPass onboarding process, it is important to complete it within the same session.

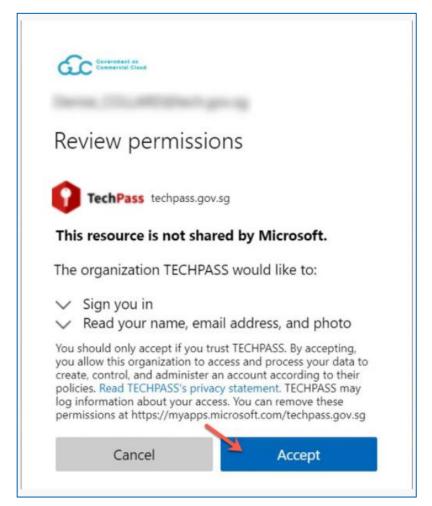


4a. Onboard TechPass < Public Officer >



- If you are already signed in to your WOG account, when you accept the TechPass invitation, you will be directed to **Review** Permissions. Click Accept.
- If you are not signed in to your WOG account while accepting the invitation, you will be prompted to sign in before proceeding further
- Click Log in with TechPass.



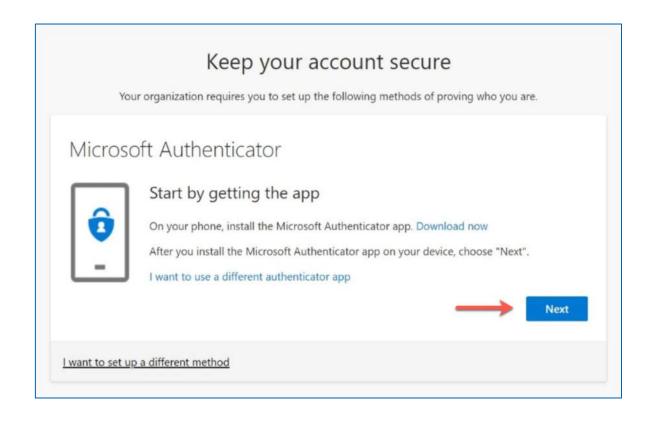




4a. Onboard TechPass < Public Officer >



- Click Next.
- Ensure that the email address which you used to sign up for TechPass account is displayed as username.
- Choose one of the following options and click
 Next.
 - If you do not have Microsoft Authenticator app(recommended) on your mobile phone, download and install it on your <u>Microsoft</u> <u>phone</u>, <u>Android</u> or <u>iOS phone</u> and complete the wizard.
 - To use other authenticators, click I want to use a different authenticator app.
 - To use other methods, click I want to setup a different method.

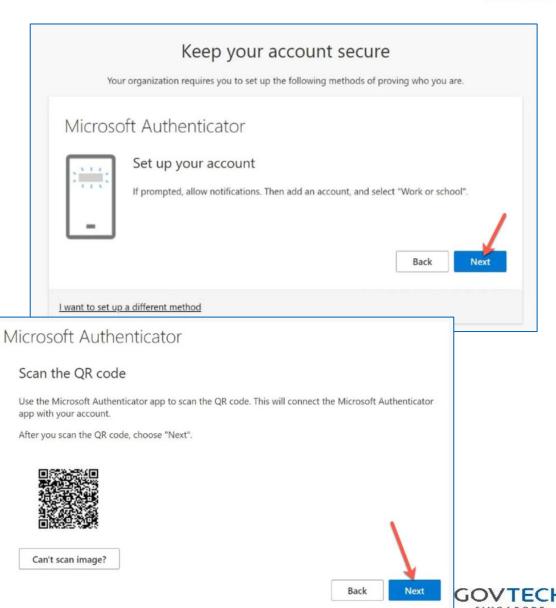




4b. Onboard TechPass < Public Officer >



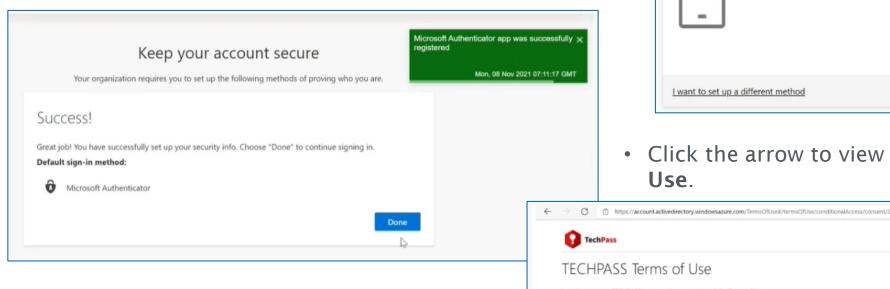
- As we recommend Microsoft Authenticator, we will provide guidance for you to set up multi-factor authentication for your TechPass account using that. For other authenticators, refer to the respective help resources.
- In your mobile device, open Microsoft Authenticator and tap + Add account > Work or School account.
- Go back to your computer and click Next.
- Scan the QR code displayed on your computer screen and click Next. Your TechPass account gets activated and linked to the authenticator app.
- Authenticator will send a notification for you to approve and confirm if this verification was set up correctly.
- Tap APPROVE on your mobile device and on your computer, you will see that you have approved your sign-in.

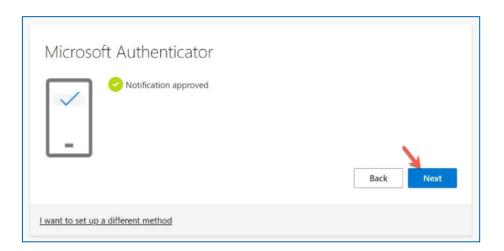


4c. Onboard TechPass < Public Officer >



- Click Next.
- When you see the success message, click **Done**. You will now be directed to the Terms of Use page.





 Click the arrow to view the TechPass Terms of Use.





4d. Onboard TechPass < Public Officer >



- Read the TechPass Terms of Use and click Accept.
- Click the arrow to view the TechPass Privacy Policy.



discontinue linking to or framing of any part of the Service.

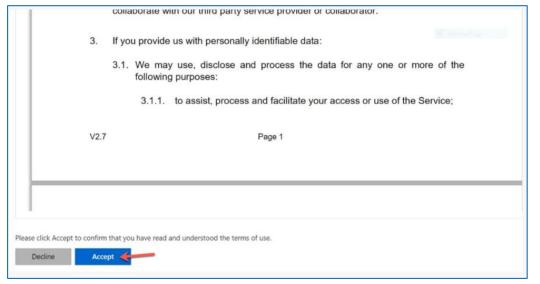
7.3. GovTech reserves all rights:

7.3.1. to disable any links to, or frames of, any materials which are unauthorised (including without limitation materials which imply endorsement by or association or affiliation with GovTech, materials containing inappropriate, profane, defamatory, infringing, obscene, indecent or unlawful topics, names, or information that violates any written law, any applicable intellectual property, proprietary, privacy or publicity rights); and

V3.5.1 Page 6

Please click Accept to confirm that you have read and understood the terms of use.

 Read the TechPass Privacy Policy and click Accept.

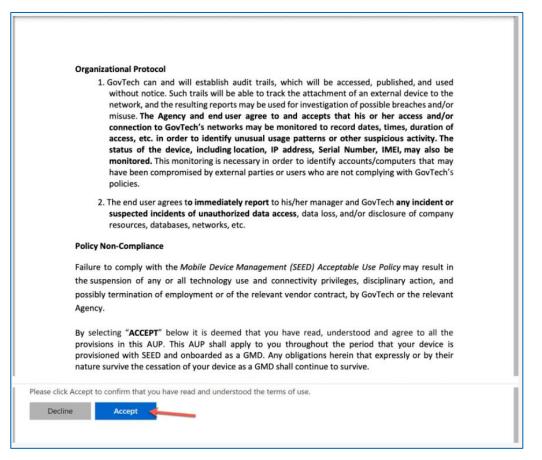




4e. Onboard TechPass < Public Officer >



- Click the arrow to view the TechPass MDM AUP Policy.
- Read the policy details and click Accept.





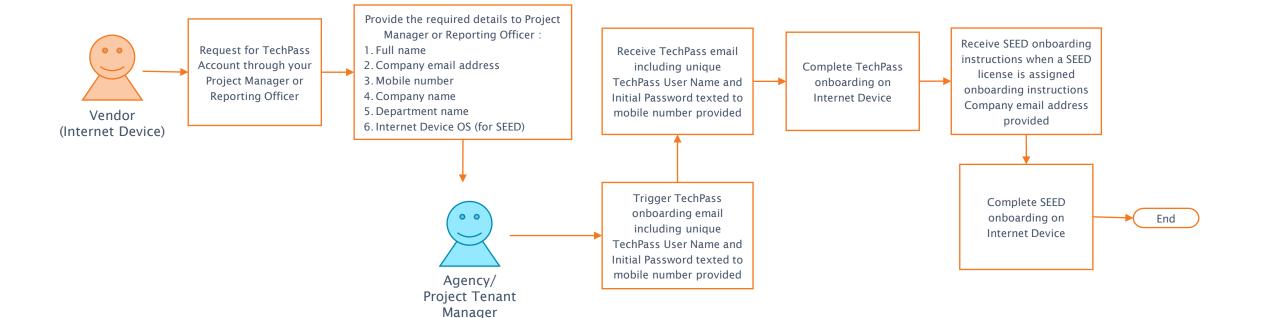
You have now successfully onboarded to TechPass.
 You may now proceed to onboard your non-GSIB device to SEED.





Typical Onboarding Flow < Vendor >







Onboarding to TechPass < Vendor >



Vendors



Who are considered Vendors

Public Officer with non-WOG email account (eg. edu.sg, etc.)

Vendors with Vendor company email



1. Sign Up for a TechPass Account < Vendor >



Vendors Using Non SE Machines

- 1. Go to <u>TechPass portal</u> and click Sign Up.
- 2. Enter your organisational email address. (Format shall be your_name_from.vendor@agency.gov.sg or your_name_from.vendor@tech.gov.sg)
- 3. Indicate if you would require to onboard to SEED (only for non-GSIB device or Internet Device)
- 4. Select I'm not a robot.
- 5. Click Submit.
- 6. An invitation will be sent to this email address. Receive SEED onboarding instructions via WoG email for Internet Device if SEED is required.
- 7. Click on Invitation link.
- 8. Complete TechPass onboarding.
- 9. Complete SEED onboarding on Internet Device.

Vendors Using Internet Devices

- Request for TechPass Account and SEED license through your Project Manager or Reporting Officer.
- 2. Provide the required details to Project Manager or Reporting Officer:
 - Full name
 - Company email address
 - Mobile number
 - Company name
 - Department name
 - Internet Device OS (for SEED)
- 3. Receive TechPass email including unique TechPass User Name and Initial Password texted to mobile number provided.
- 4. Receive SEED onboarding instructions when a SEED licence is assigned onboarding instructions Company email address provided.
- 5. Complete SEED onboarding on Internet Device.

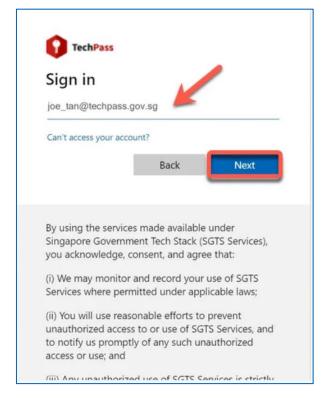


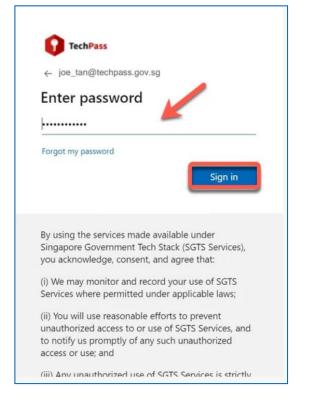
2. First-time Sign in Using Initial Password < Vendor >



- Go to the web address(url) provided by your project manager or reporting officer to sign in to SGTS service using your TechPass account.
- Enter your TechPass username and click Next.

Enter the initial password and click Sign in. You will now be directed to configure MFA for your TechPass
account.



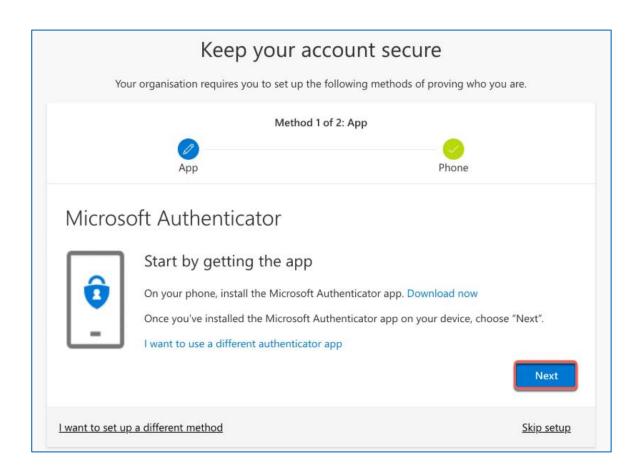




3a. Configure and Verify MFA for TechPass Account < Vendor >



- Install an authenticator on your mobile device. If you do not have Microsoft Authenticator app(recommended) on your mobile phone, download and install it on your Microsoft phone, Android or iOS phone and complete the wizard.
- As we recommend Microsoft Authenticator, we will provide guidance for you to set up multifactor authentication for your TechPass account using that. For other authenticators, refer to the respective help resources.
- On your mobile device, open Microsoft
 Authenticator and tap + Add account > Work
 or School account.
- Tap Scan a QR code.

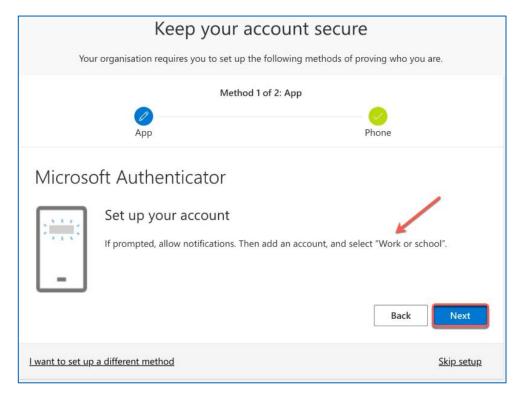


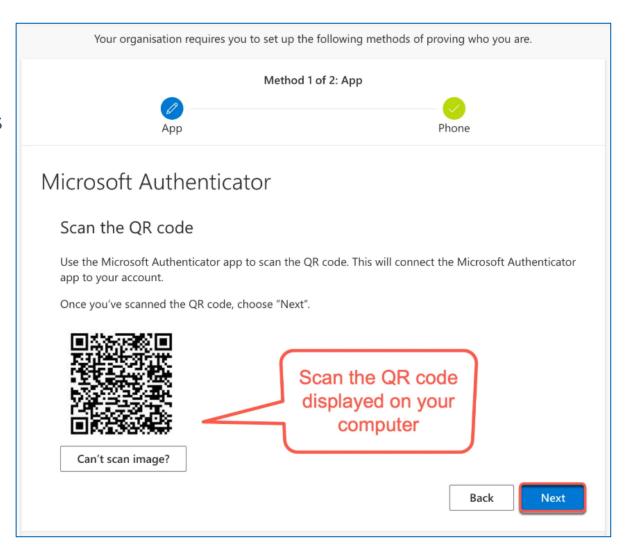




3b. Configure and Verify MFA for TechPass Account < Vendor >

- Go back to your computer and click Next.
- Scan the QR code displayed on your computer screen and click Next. Your TechPass account gets activated and linked to the authenticator app.



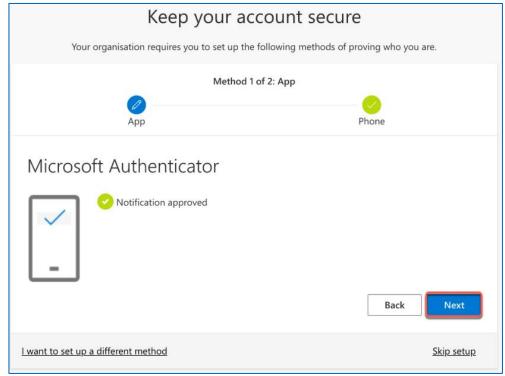




3c. Configure and Verify MFA for TechPass Account < Vendor >



- To confirm if this verification process was set up correctly, the Authenticator sends a notification to your mobile device.
- Tap APPROVE on your mobile device and on your computer, you will see that you have approved your sign-in.



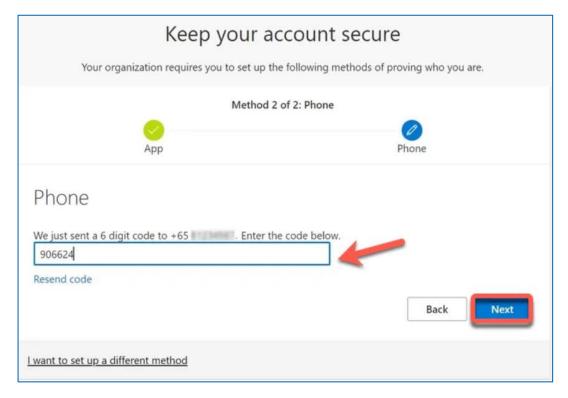


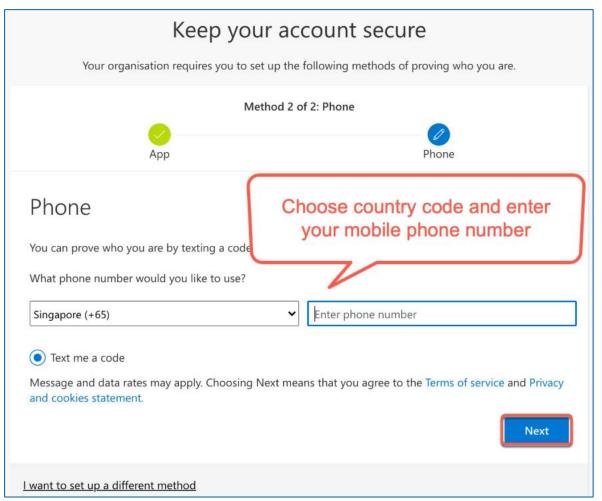


3d. Configure and Verify MFA for TechPass Account < Vendor >



- On your computer, click Next.
- Choose the country code and enter your handphone number.
- You will receive a six-digit code on this phone number. Enter the six-digit code and click Next.



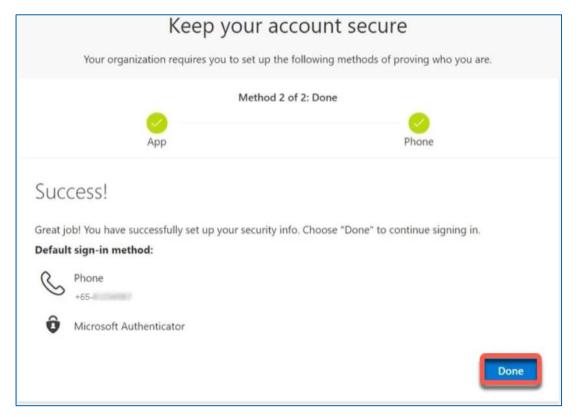




3e. Configure and verify MFA for TechPass account < Vendor >



- Click Next.
- When you see a success message, click **Done**.
- Now you will be prompted to reset your initial password.



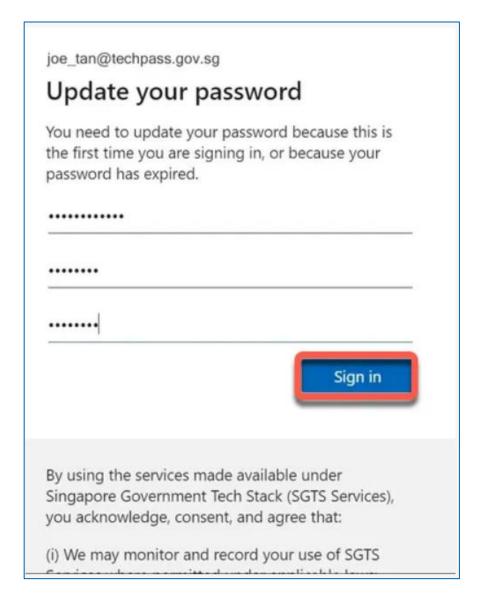




4. Reset Your Initial Password < Vendor >



- 1. Enter your **initial password**, **new password** and retype the new password to confirm.
- 2. Click **Sign in** to proceed with Terms of Use.

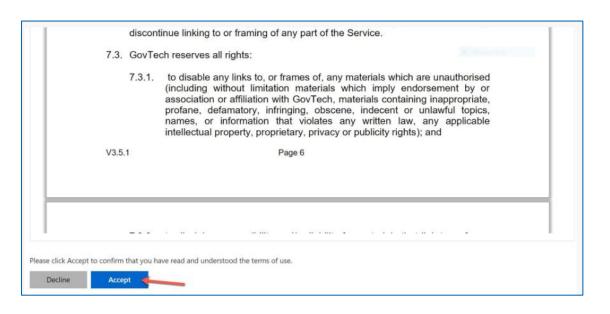


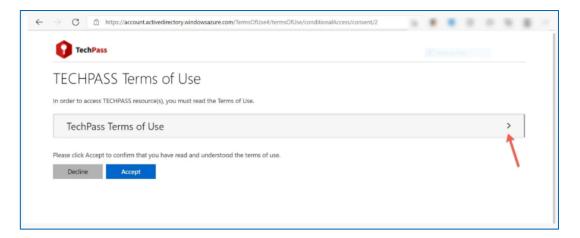




5a. Accept Terms of Use, Privacy Policy and Mobile Device Management-Acceptable Use Policy < Vendor >

- Click the arrow to view the TechPass Terms of Use.
- Read the TechPass Terms of Use and click **Accept**.





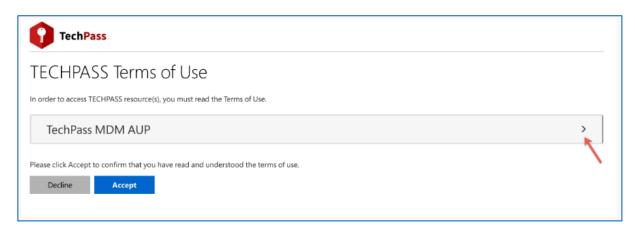
 Click the arrow to view the TechPass Privacy Policy.

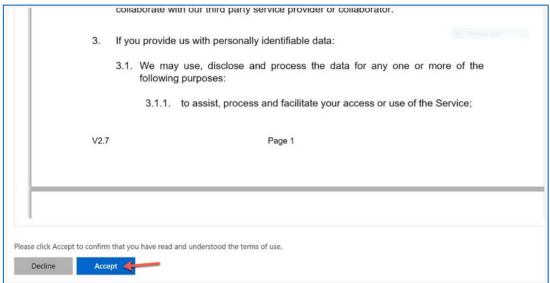




5b. Accept Terms of Use, Privacy Policy and Mobile Device Managemen Acceptable Use Policy < Vendor >

- Read the TechPass Privacy Policy and click Accept.
 If SEED licence is assigned, you will be prompted to accept the TechPass Mobile Device
 Management(MDM) Acceptable Use Policy(AUP).
- Click the arrow to view the TechPass MDM AUP Policy.







5c. Accept Terms of Use, Privacy Policy and Mobile Device Management Acceptable Use Policy < Vendor >

- Read the policy details and click **Accept**.
- You have now successfully onboarded TechPass. You may now proceed to onboard your non-GSIB device to SEED.



Organizational Protocol

- 1. GovTech can and will establish audit trails, which will be accessed, published, and used without notice. Such trails will be able to track the attachment of an external device to the network, and the resulting reports may be used for investigation of possible breaches and/or misuse. The Agency and end user agree to and accepts that his or her access and/or connection to GovTech's networks may be monitored to record dates, times, duration of access, etc. in order to identify unusual usage patterns or other suspicious activity. The status of the device, including location, IP address, Serial Number, IMEI, may also be monitored. This monitoring is necessary in order to identify accounts/computers that may have been compromised by external parties or users who are not complying with GovTech's policies.
- 2. The end user agrees to immediately report to his/her manager and GovTech any incident or suspected incidents of unauthorized data access, data loss, and/or disclosure of company resources, databases, networks, etc.

Policy Non-Compliance

Failure to comply with the Mobile Device Management (SEED) Acceptable Use Policy may result in the suspension of any or all technology use and connectivity privileges, disciplinary action, and possibly termination of employment or of the relevant vendor contract, by GovTech or the relevant Agency.

By selecting "ACCEPT" below it is deemed that you have read, understood and agree to all the provisions in this AUP. This AUP shall apply to you throughout the period that your device is provisioned with SEED and onboarded as a GMD. Any obligations herein that expressly or by their nature survive the cessation of your device as a GMD shall continue to survive.

Please click Accept to confirm that you have read and understood the terms of use.

Decline



SEED - Prerequisites



Before you onboard your device to SEED, there are few things which you need to start the onboarding and few things to ensure a successful onboarding.

You will need:

- 1. An active TechPass account.
- 2. SEED provisioning for you to onboard your device.
- 3. Device with supported operating systems and the required permissions.
 - A non-GSIB or a non-DWP device that runs on Windows 10 Pro/Enterprise versions or on macOS Big Sur 11 and later versions.
 - You must have Administrator rights on the device.

To ensure a successful onboarding:

a) Remove existing softwares on your device.

Note: We will not be able to extend support for devices that have not offboarded from your company MDM and/or Antivirus solutions before onboarding to SEED.

- b) If you are onboarding a macOS device, verify if System Integrity Protection (SIP) is enabled.
- c) Encrypt your hard disk drive to protect your data at rest.
- d) Refer to **Best practices** to know about the supported browsers.



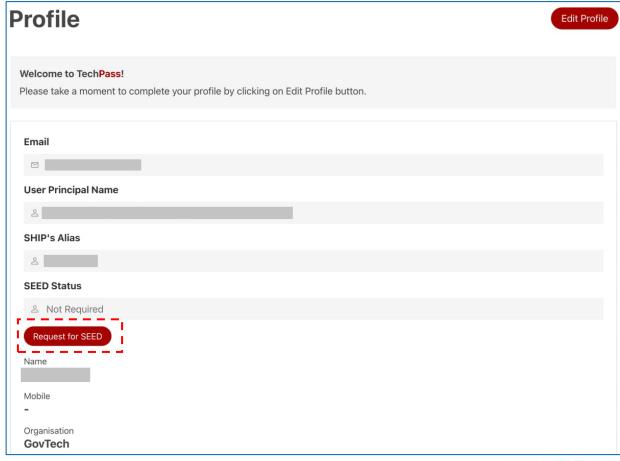
SEED Licence Request < Public Officer >



• If you have already onboarded to TechPass and requires SEED onboarding, please log in to your TechPass account at https://portal.techpass.gov.sg/ and select "Request for SEED".



- Once you have submitted your Request for SEED, you will need to complete the onboarding following the instructions provided and register the Intune ID under your account on the TechPass Portal.
- The device will be enrolled within the next 30 minutes.

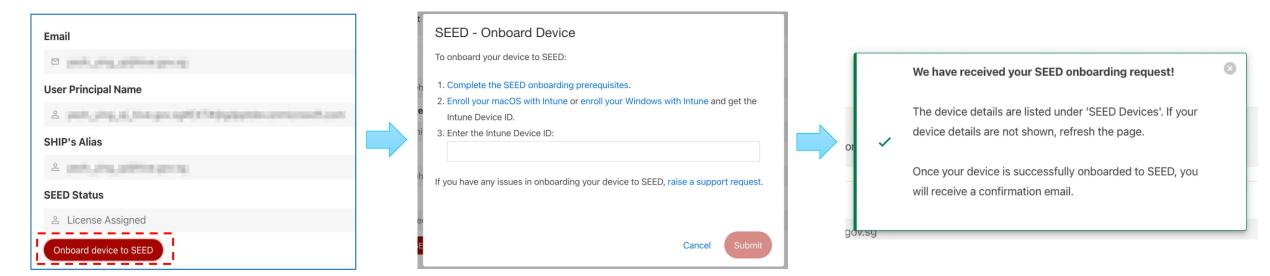




SEED Licence Request < Public Officer >



- Note: If you have already been provisioned with SEED, instead of Request for SEED, the Onboard device to SEED button is displayed.
- The **SEED Onboard Device** dialog is displayed. Follow the instructions on this dialog.
- Enter the Intune device ID (Refer to <u>slide 42</u> & <u>43</u>) in this dialog and click **Submit**. Ensure there are no spaces at the beginning and at the end of the Intune device ID.
- During this time, the device onboarding status is **Pending**. Once the device is updated with all the required softwares and configurations, the device onboarding status changes to **Onboarded** and you will receive a successfully onboarded email.





To get the Intune device ID <Mac>



- This step is applicable only for *public officers* to get the required applications and device configurations on their device.
- If you are a public officer; your TechPass ID will be your official email address such as your_name@agency.gov.sg or your_name@tech.gov.sg. Ignore this step if your TechPass ID format is your_name@techpass.gov.sq.
- 1. Open **Terminal** and run the following commands:

```
intune_id="$(security find-certificate -a /Library/Keychains/System.keychain | egrep -B 4 '\"issu\"<blob>=.+MICROSOFT INTUNE MDM DEVICE
CA' | grep alis | cut -d "" -f 4)"
if [ -z "$intune_id" ]
then
  echo "\nIntune ID not found\n"
else
  echo "\n$intune_id\n"
```

2. Take note of the Intune device ID that will be displayed on the Terminal window.



To get the Intune device ID <Windows>



- This step is applicable only for *public officers* to get the required applications and device configurations on their device.
- If you are a public officer; your TechPass ID will be your official email address such as your_name@agency.gov.sg or your_name@tech.gov.sg. Ignore this step if your TechPass ID format is your_name@techpass.gov.sg.
- 1. Open **PowerShell** and run the following commands:

```
$rootKey = [Microsoft.Win32.RegistryKey]::OpenBaseKey(
[Microsoft.Win32.RegistryView]::LocalMachine,
[Microsoft.Win32.RegistryView]::Registry64
)
$enrolImentsKey = $rootKey.OpenSubKey("Software\Microsoft\EnrolIments")
$intune_id = "Intune ID not found"
foreach ($name in $enrolImentsKey.GetSubKeyNames()) {
    $enrolImentIdKey = $enrolImentsKey.OpenSubKey($name)
    if ($enrolImentIdKey.GetValue("ProviderID") -ieq "MS DM Server") {
        $intune_id = $enrolImentIdKey.OpenSubKey("DMClient\MS DM Server").GetValue("EntDMID", "Intune ID not found")
        break
}
Write-Output $intune_id
```

2. Take note of the Intune device ID that will be displayed on the Powershell window.



SEED Onboarding Guide for MacOS Users



MacOS Users

- Based on your device settings, while onboarding, you may be prompted to **restart your device** a couple of times and **reset device password**.
- For a smooth onboarding journey, make sure to link your Apple ID to your device.
- Make sure to have your recovery keys ready in the event of you facing issues with resetting your password or logging in to your device.

NOTE:

- If you do not receive the successfully onboarded email, <u>check if Microsoft Defender is configured correctly</u> and also check if Tanium and Cloudflare are installed. If Tanium or Cloudflare is not installed, <u>raise a support request</u>.
- Shortly after this email, you will receive a desktop notification informing you that your device has been renamed and will automatically restart in the next five minutes. When you log in again, you will be prompted to reset your password. This is to enforce a strong password policy.
- If you had reset your password while onboarding, you will not be prompted to reset password when your device automatically restarts.
- Refer to **Best practices** to know about the supported browsers.



SEED Onboarding for MacOS Users



Onboarding your Mac device to SEED

- a. Set up Microsoft Intune to get the required applications and device configuration.
- b. If you are a **public officer**, submit the Microsoft Intune device ID for your macOS device. (refer to <u>slide 40</u>)

If your onboarding is successful, you will receive a successfully onboarded email to your organisational email address within an hour.

Post onboarding instructions

- i. Enable Full Disk Access(FDA) for the applications installed for SEED.
- ii. Enrol on Cloudflare using WARP client to connect to protected engineering resources.







Windows Users

• Based on your Windows settings, you may be prompted to restart or reset your password while onboarding.

NOTE:

- If you do not receive the successfully onboarded email, <u>check if Microsoft Defender is configured</u> <u>correctly</u> and also check if Tanium and Cloudflare are installed. If Tanium or Cloudflare is not installed, <u>raise a support request</u>.
- Shortly after this email, when you receive a desktop notification informing about the device name change and about the device being restarted, do the following:
 - Save your current work and restart your device.
 - If prompted to specify your password, enter it.
- Refer to Best practices to know about the supported browsers.







Onboard your Windows device to SEED

- a. Enrol your device in Microsoft Intune.
- b. If you are a public officer, submit the Microsoft Intune device ID for your Windows device. (refer to slide 41)

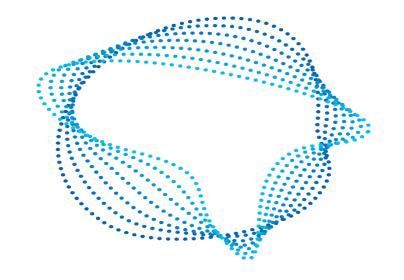
If your onboarding is successful, you will receive a successfully onboarded email to your organisational email address within an hour.

Post onboarding instructions

i. Enrol on Cloudflare using WARP client to connect to protected engineering resources



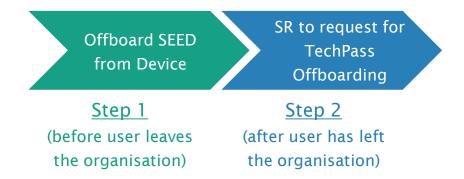
Offboarding Process





Offboarding Process





- Users should ensure that they offboard their devices from SEED before they leave the organization.
- You <u>should always</u> offboard device from SEED before requesting for TechPass account termination.



1. Offboarding Process - SEED



Offboarding Your Device for SEED

- a. Remove your device from Microsoft Intune.
- b. Remove Tanium Client.
- c. Remove Cloudflare WARP client.
- d. Remove Microsoft Defender for Endpoint.



2. Offboarding Process - TechPass



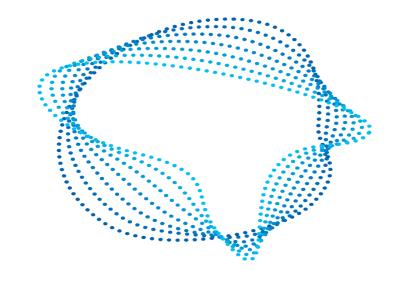
- a. Raise a <u>service request</u> to request for TechPass account offboarding on an Internet Device.
- b. Select Service Request for ticket request type, User has left the organization, I would like to terminate his account, provide the necessary details (user email/TechPass ID) and submit the ticket.

2. Ticket Request Type
Please select the type of support ticket you like to raise
Service Request
Incident Request
3. Service Requests
Please select the issue that best describes the assistance you needed.
Deart Multi Freter Authorities (MFA)
Reset Multi Factor Authentication (MFA)
Create TechPass account for Secure Email GSIB users
User has left the organisation, I would like to terminate his account

4. Details	
Please describe the problem that you are facing. (Eg. Include the name of the tenant an application you are working on) or the reason you are contacting us.	d/or
	/



Incident Support





Incident Support for TechPass



Account management



For account-related issues such as password or MFA issues, refer to <u>Account Management FAQ</u> for more information.

Signing in issues



For issues related to signing into SG TechStack applications using your TechPass account, refer to <u>Problems with Onboarding and Signing In</u>.

Need more help?



Submit a <u>service request</u>. We will get back to you within three business days.



Incident Support for SEED



Raise an incident support request with your respective <u>SGTS service or product</u> if you experience:

- Uninformed service interruption or degraded service.
- Issues with Cloudflare WARP, Tanium, Defender or Intune.
- Connectivity issues while accessing GCC 2.0 CMP or SGTS services.

Support Channels

- TechPass
- SHIP-HATS service desk
- If you are a GCC 1.0 user, raise an incident ticket from your Cloud Management Portal's service management.
- If you are a GCC 2.0 user, raise an incident ticket via ITSM.

Notes:

- To troubleshoot Cloudflare WARP, Tanium, Defender or Intune issues, attach diagnostics information for <u>Cloudflare Access</u> and <u>Cloudflare WARP</u> to the service request.
- To troubleshoot connectivity issues for GCC 2.0 CMP or SGTS services, Generate HAR file and attach it to the service request.





Does SEED support mobile devices?

No. Phones and Tablets (Android and IOS) as well as GoMAX devices are currently not supported.

Will I need to onboard to MDM again to access GCC 2.0 in the future?

No. Once this is done for GCC 1.0, you need not repeat the onboarding step again if you are using the same Internet Device to access GCC 2.0 in the future

I am using GSIB for remote administration of GCC 1.0, do I need to onboard?

No. There is no need to onboard your GSIB to GCC MDM. Only Internet Devices used to access GCC 1.0 are required to onboard GCC MDM.

Due to different project requirements (or possibly the need to support multiple Agencies), can my contractor onboard SEED using more than one account through different emails?

Contractors are not encouraged to do that. It is strongly suggested that the contractor seek support and approval from the sponsor of the SEED account to support multiple projects or Agencies. Unless absolutely necessary, the contractor is not encouraged to create multiple accounts and onboard SEED multiple times using different identities on different internet devices.



FAQ



5. My laptop is already enrolled to my company's MDM and/or Antivirus solution. Can they onboard to SEED?

Unfortunately, endpoints are not able to support 2 different MDMs or Antivirus solutions. Therefore, it is a requirement to offboard the company MDM or antivirus solution before onboarding to SEED. Note that we will not be able to extend support for devices that have not offboarded from your company MDM and/or Antivirus solutions before onboarding to SEED.

6. Will onboarding to SEED cause my internet device to slow down?

Common things that may cause your internet device to slow down;

- You have installed more than one antivirus solution;
- HDD space of your internet device is reaching capacity;
- Your internet device has an outdated OS.

7. Can overseas vendors onboard to SEED?

Agencies can onboard overseas vendors to SEED subjected to Agencies' risk assessment. However, there will be minimum/no support provided.



FAQ



Does TechPass support LiteMail?

LiteMail are not supported and we require users to upgrade to standard mailbox before applying for TechPass accounts.

Will vendor's device be managed and controlled by GovTech after onboarding to SEED?

Vendors' devices that have onboarded to SEED are not joined to WOG AD, and the asset will not be managed and controlled by GovTech.

Do I still have admin access once device has been onboarded to SEED?

You will still have admin access to the GMD and can install any required developer tools.

11. How do I receive notifications about maintenance or status updates for downtime?

Subscribe to the SEED broadcast channel to receive notifications on maintenance and status updates https://t.me/+m_lkrOEUMpViN2Rl

For any other technical Frequently Asked Questions when enrolling your Internet Device with Microsoft Endpoint Manager, you may refer to this FAQ link.



TIPS on How to have a smooth onboarding journey to SEED + DEMO





TIPS on How to have a smooth onboarding journey to SEED

- Please take time to read the onboarding guide <u>https://docs.developer.tech.gov.sg/docs/security-suite-for-engineering-endpoint-devices/#/</u>

- Make sure the device meets all the prerequisites
- Have your appleID linked to your device if it's MAC, also recovery key ready (just in case)
- Dedicate some time to be spent on the onboarding
- Be patient





Summary of onboarding steps: credit to Ying Qi from TechPass team

- https://govtechgds.sharepoint.com/:v:/s/DEN/ETZvAA3_mMtAo8XZhJp2H54B2n-CB7UeWNI5jNUhRMtdAw?e=vskVyN
- 9 mins- What happens when you close the status menu?
- 12 Mins profile propagating
- 12.15 Mins CF client deployed (observe the icon appearing on the top right corner)
- 15.20 Mins Defender client deployed
- 17.15 Mins Defender completed
- https://govtechgds.sharepoint.com/:v:/s/DEN/ET00hptow3VBh6ffFDdjpwEBw8iW2KwAlsL5jxb ufzJ3xA?e=sTcAm2



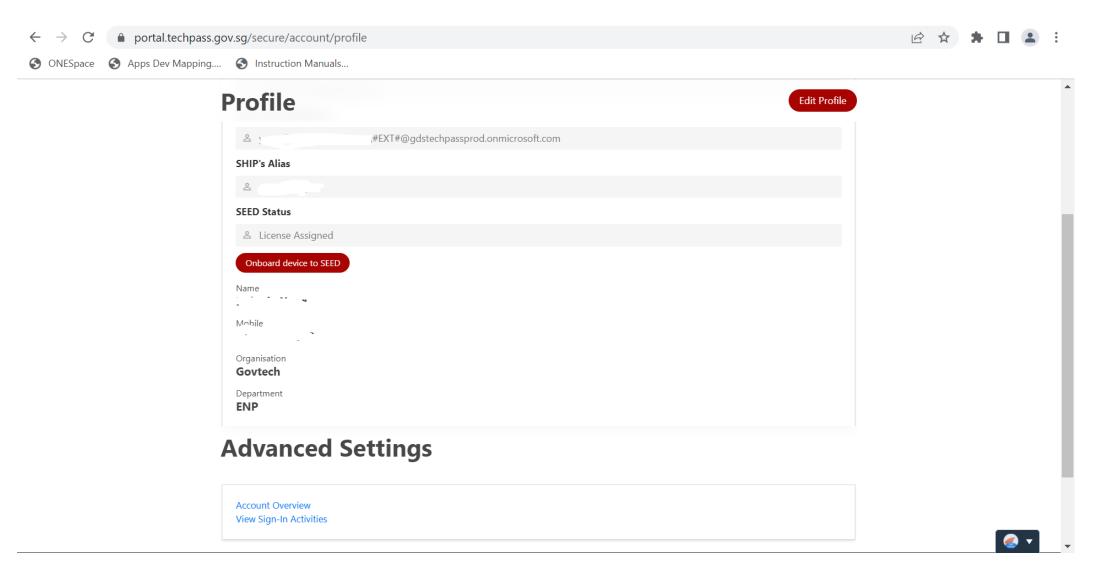


Full Onboarding to WOG - MAC

https://govtechgds.sharepoint.com/:v:/s/DEN/EZfHYFQeKXZJksgGYOnlOyoBB5fsWjyDy6jkioXMVbp1w?e=x6WOCZ

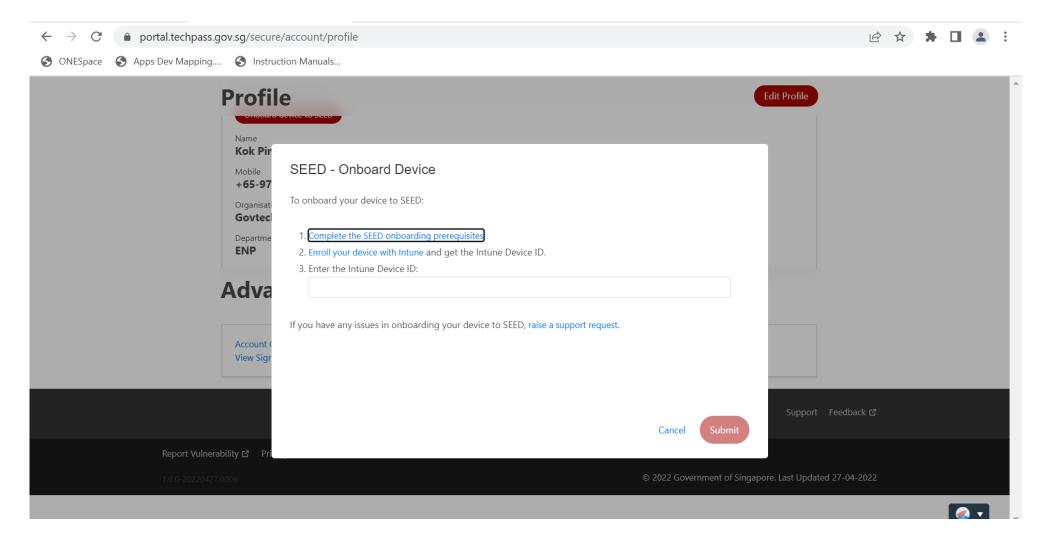






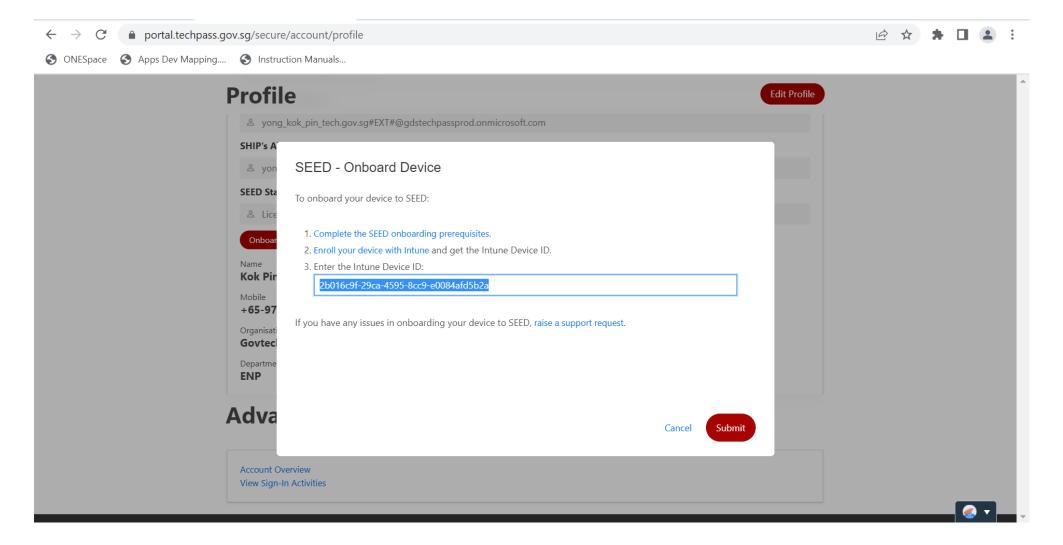






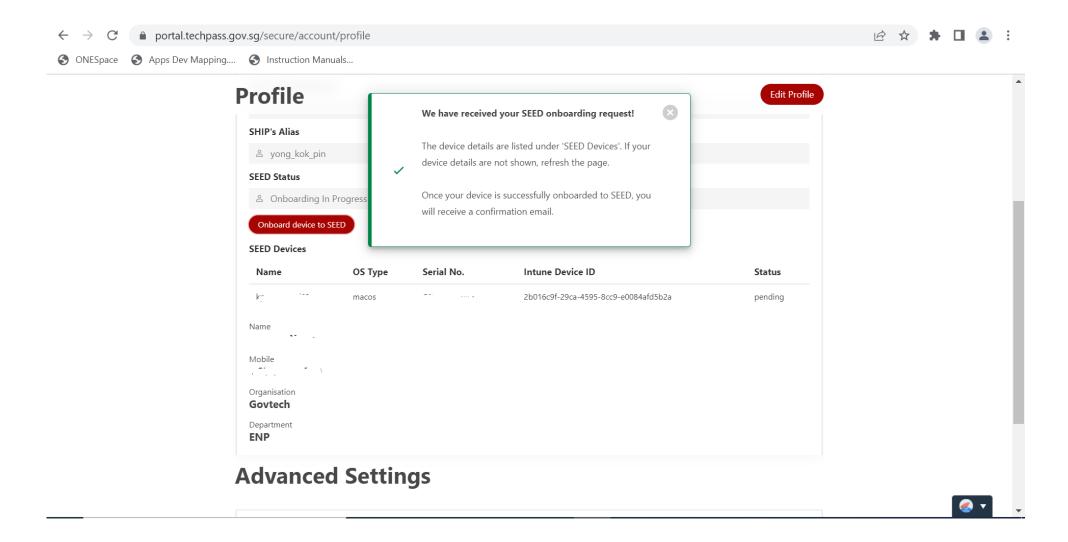
















From: DEEP Team <no-reply@deep.techpass.gov.sg>

Sent: Thursday, 28 April 2022 4:46 pm

Subject: [DEEP] Attn: Your device has been successfully onboarded

Your macOS device with serial number has been successfully onboarded to DEEP (Developers' Environment Endpoint Posture). Please visit the DEEP Dashboard for more information. Additionally, please take note of the following:

- 1. In order to access protected engineering resources, you will need to configure and connect your Cloudflare WARP client to the Cloudflare network. Please follow the instructions provided in the onboarding email to complete this step if you have not already done so.
- 2. In a while, you may receive a desktop notification that your device has been renamed according to convention, and that a timed restart will occur in 10 minutes. This is completely expected, and you should save any existing work to prevent data loss. Instead of waiting for the timer, you can also opt to manually restart your device to speed up the process. As the naming convention is required for administrative purposes, please refrain from renaming your device thereafter.





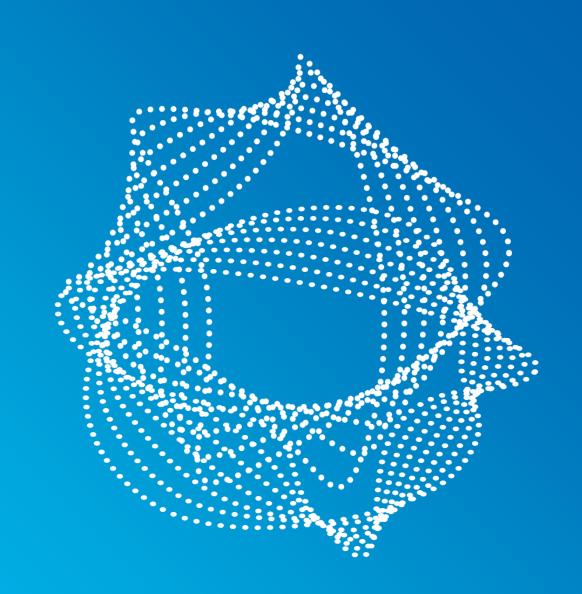
Onboarding to SEED - Windows

https://govtechgds.sharepoint.com/:v:/s/DEN/ERNPGcHn5OtOnLtF6thKT7IBQM2eoLJmEj9y5M SE256giQ?e=ExuZVw



THANK YOU

Questions and Answers



We Want to Hear Your Feedback!





https://form.gov.sg/625cbd578a621f0012fa9bac

- Let us know what went well and how we can improve.
- We want to ensure that we are bringing the right contents to you so as to help Agencies.
- If you have any questions, please reach out to us at Ask_CODEX@tech.gov.sg

