Installation Guide

of

VPN for MAC

Education Bureau (EDB)

Version: 1.5

Feb 2025

For Mac users, you must logon the VPN before you can access EDB Portal via Internet.

Use your browser to access <u>https://portal.edb.gov.hk</u>, then you will redirect to VPN logon page: <u>https://vpn.edb.gov.hk/2fa</u>

Alternatively, you can directly access the VPN link: <u>https://vpn.edb.gov.hk/2fa</u>

It is required to install the VPN by the following installation:

- Certificate Installation
- VPN Client Installation

Certificate Installation

1. Right click and download the 2. Root CA certificate under the following link:

https://intranetsup.edb.gov.hk/irooms/help/2faforschuser.html

Or click the circled link under the logon page

| Education Bureau The Government of the Hong Kong Special Administrative Region |
|--|
| |
| |
| EDB Portal (Common Logon System) |
| Username |
| 密碼 |
| |
| 登入 |
| Create Account / Forget Password? Click here |
| Exchange Online (for school users) |
| Please click here to register for 2FA for the School Mail System (i.e. Exchange Online for school users) and install VPN package for the EDB portal before your first login |
| |

2. Double click the Root CA 256.

| 🗯 Keychain Acc | ess File Edit View Windo | ow Help | | | | 33% 🕙 🛞 | 🤶 🔹 🕅 🔛 | Fri 12:28 PM | Q ≔ |
|---|--|------------------------|---------------------------|------------------------|----------|---------|---------|--------------|-----|
| • • • | | | | Keychain Access | | | | | |
| Click to unlock the | System keychain. | | | | | | | Q, Search | |
| Keychains login Local Items System System Roots | Root CA 256 Root certificate authori Expires: Wednesdey, 31 © This root certificate l | July 2024 at 4:00:08 F | M Hong Kong Standard Time | | | | | | |
| | Name | Kind | Date Modified | Expires | Keychain | | | | |
| | Apple Worldwtification Authority | certificate | | 8 Feb 2023, 5:48:47 AM | System | | | | |

3. Click "Trust" and select "Always Trust".

| Root CA 256 | |
|--------------------------------|---|
| Root certificate author | 1 July 2024 at 4:00:08 PM Hong Kong Standard Time |
| When using this certificate: | ✓ Use System Defaults ? |
| Secure Sockets Layer (SSL) | Always Trust Never Trust |
| Secure Mail (S/MIME) | no value specified |
| xtensible Authentication (EAP) | no value specified |
| IP Security (IPsec) | no value specified |
| iChat Security | no value specified |
| Kerberos Client | no value specified |
| Kerberos Server | no value specified |
| Code Signing | no value specified |
| Time Stamping | no value specified |

4. Close the tab.

| ••• | | Root CA 256 |
|-------------|---|---|
| Certificate | Root CA 256 Root certificate authority Expires: Wednesday, 31 This root certificate is | July 2024 at 4:00:08 PM Hong Kong Standard Time |
| wh | en using this certificate: | Always Trust |
| Secu | re Sockets Layer (SSL) | Always Trust |
| | Secure Mail (S/MIME) | Always Trust |
| Extensibl | e Authentication (EAP) | Always Trust |
| | IP Security (IPsec) | Always Trust |
| | iChat Security | Always Trust |
| | Kerberos Client | Always Trust |
| | Kerberos Server | Always Trust |
| | Code Signing | Always Trust |
| | Time Stamping | Always Trust |
| | | ··· - · - |

5. Login your Mac and Click "Update Settings".

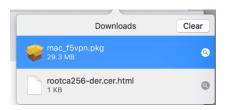
| 🙁 😑 🔇 | | Root CA 256 | | | | |
|-----------------------------------|--|--|------------------------|-----|--------|--|
| Certificate Gent Cont Trust | Root CA 256 Root certificate authorit Expires: Wednesday, 31 This root certificate is an using this certificate: | | | - | - | e System Certificate sword to allow this. |
| | re Sockets Layer (SSL) Secure Mail (S/MIME) e Authentication (EAP) | 743 | Username: Password: | EDB | Cancel | Update Settings |
| | IP Security (IPsec) iChat Security Kerberos Client | Always Trust Always Trust | ≎ | | | System |
| | Kerberos Server Code Signing Time Stamping | Always Trust Always Trust Always Trust | © | | | |

6. The Root CA Certificate will be added to your Mac.

| Ś | Keychain Acc | ess | File | Edit | View | Window | Help | | | | MEM 33% |
|---------|---------------------|-------------|----------|--------|-------------|------------------|------------------|-------------------------|---------------------|------------------------------|------------|
| • | • | | | | | | | | Keychain Ac | ccess | |
| | Click to unlock the | System | keycha | ain. | | | | | | | |
| | Keychains | | | _ | | _ | | | | | |
| 🚽 👘 🛛 | ogin | | dificate | | t CA 25 | 6 e authority | | | | | |
| 👘 ເ | Local Items | Rei -550 | | | | | y 2024 at 4:00: | 08 PM Hong Kong Standar | d Time | | |
| - 🔒 s | System | | - | O Th | is certific | ate is marke | as trusted for a | all users | | | |
| | System Roots | | | | | | | | | | |
| | | Name | | | | Ki | nd | Date Modified | Expires | Keychain | |
| | | 20 | Apple V | Vorldw | tification | Authority ce | rtificate | | 8 Feb 2023, 5:48:4 | 47 AM System | |
| | | 1 | Root C | | | Ce | rtificate | | 31 Jul 2024, 4:00:0 | | |

VPN Client Installation

1. Firstly, go to download the VPN package from the following link: https://intranetsup.edb.gov.hk/irooms/help/mac_f5vpn.pkg



- 2. Double click the download package file for installation.
- 3. If the following error message is popup: "mac_f5vpn.pkg" can't be opened", please go through from step 4 to step 8. Otherwise, please go directly to step 9.

| 0 | "mac_f5vpn.pkg" can't be opened because it was not downloaded from the Mac App Store. |
|---|--|
| | Your security preferences allow installation of only apps from the Mac App Store. |
| | Safari downloaded this file today at 5:50 PM from www.edb.org.hk. |
| ? | ОК |
| | |
| | |
| Ó | ' A second second second ' Can't be opened because Apple cannot check it for malicious software. |
| | This software needs to be updated. Contact the developer for more information. |
| | |
| | ок |

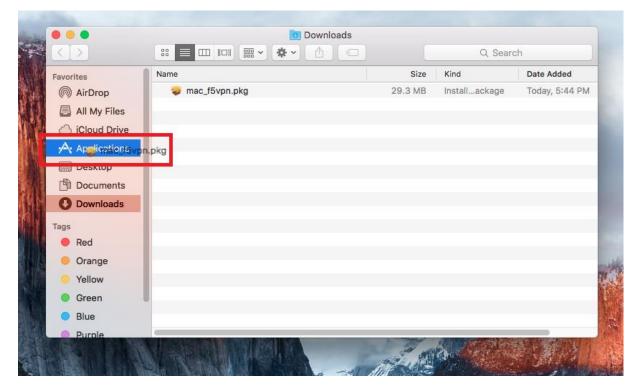
4. Click "Open in Finder"



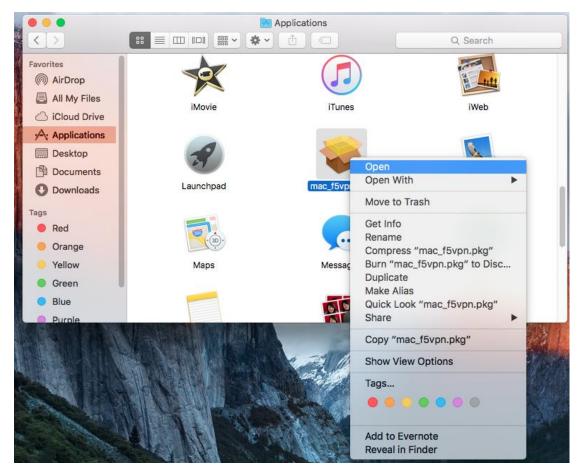
5. Go to "Download"

| | 📴 Downloads | | | |
|-------------------|-----------------|---------|---------------|----------------|
| $\langle \rangle$ | | | Q Searc | |
| Favorites | Name | Size | Kind | Date Added |
| AirDrop | 😺 mac_f5vpn.pkg | 29.3 MB | Installackage | Today, 5:44 PM |
| All My Files | | | | |
| iCloud Drive | | | | |
| Applications | | | | |
| 🔜 Desktop | | | | |
| Documents | | | | |
| Downloads | | | | |
| Tags | | | | |
| Red | | | | |
| Orange | | | | |
| Yellow | | | | |
| Green | | | | |
| Blue | | | | |
| Purple | | | | |

6. Select "mac_f5vpn.pkg" and then drag to "Application"

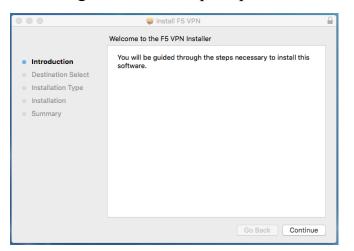


7. Right click "mac_f5vpn.pkg" and then click "open"

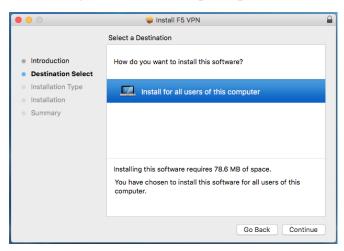


- Applications ... < > Favorites () AirDrop 4.4 All My Files iWeb iTunes Movie iCloud Drive Applications Desktop Documents Mail O Downloads Launchpad mac f5vpn.pkg Tags Red "mac_f5vpn.pkg" is not from the Mac App Store. Are you sure you want to open it? Orange Opening "mac_f5vpn.pkg" will always allow it to run on this Mac. Yellow ontrol Green Safari downloaded this file today at 5:44 PM from www.edb.org.hk. 0 Blue ? Open
- 8. Click "Open" to install it

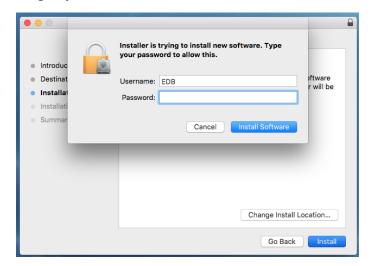
9. Following screen will be prompted. Click "Continue"



10. Following screen will be prompted. Click "Continue"



11. Login your Mac and click "Install"

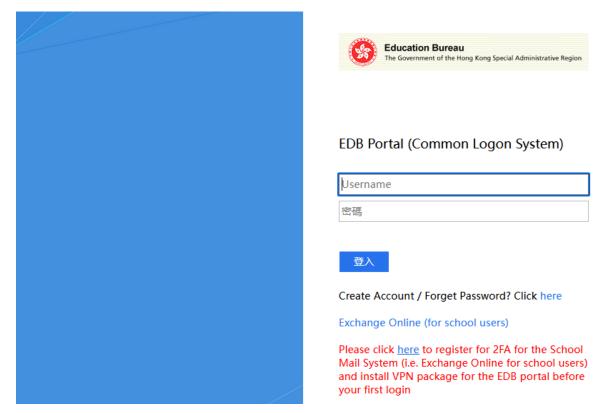


12. The installation was successful. Click "Close".

| • • • | 🥪 Install F5 VPN 🔒 |
|--|---|
| Introduction Destination Select Installation Type Installation Summary | The installation was completed successfully. The installation was successful . The software was installed. Go Back |

Your first time VPN logon experience via MAC

1. You are required to connect VPN when you are required to access EDB Portal via Internet. You can simply go to <u>https://portal.edb.gov.hk</u> and will redirect to the VPN logon page.



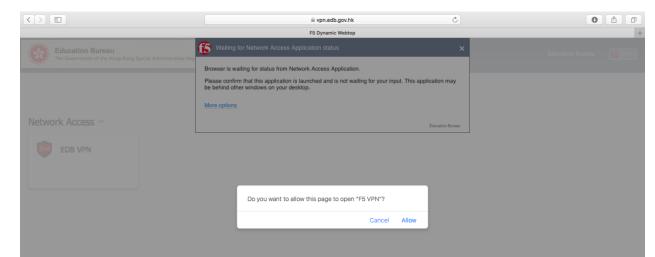
2. Sign in your EDB Portal account.

(P.S. Username is EDB login ID (without "@edb.gov.hk"))

3. Then you are required to logon with the one-time password on your Microsoft Authenticator at that moment.

| 12:36 | Education Bureau The Government of the Hong Kong Special Administrative Region |
|--|---|
| Authenticator Authenticator @EDB @EDB 258 568 (13) | Secure Logon for F5 Networks One time password code |
| : | —— Page 9 ———— |

4. Click "Allow" when the following message prompt.



5. The following dialog box is prompted for your first time logon. Click "Add allow VPN connection from this site", then this will NOT prompt again for your next time logon.

| F5 VPN - Security Warning |
|--|
| The site https://vpn.edb.gov.hk is attempting to start a Virtual Private Network (VPN) connection from your system. This site is not on your trusted site list. |
| Always allow VPN connection from this site |
| Allow VPN connection only for this session |
| Do not allow VPN connection |
| |

6. VPN will be connected after a few seconds.

| Connected | | | | | Disconne |
|--|-------|-------------|----------|-------------|----------|
| Traffic Type | Sent | Compression | Received | Compression | |
| Network Access | | | | | |
| Network Tunnel | 164 B | 0% | 164 B | 0% | |
| Optimized Applications | 0 B | 0% | 0 B | 0% | |
| Total | 164 B | 0% | 164 B | 0% | |
| | | | | | |

7. This shows that your VPN client is successfully connected.

| S Dynamic Webtop X | vork_access_vpn&webtop=/Common | /webtop_vpn&webtop_type= 👻 🖴 🖒 🛛 |
|---|--------------------------------|----------------------------------|
| Education Bureau The Government of the Hong Kong Special Administrative Region | | |
| | Search | Q |
| Network Access 🗸 | | |
| network_access_vpn | | |
| | | |

8. Once the VPN connection is established successfully, an icon will appear in the system tray and



9. You can now access DP applications such as e-Payroll, e-Leave and CCGO Portal. Remember to sign out at the top right corner of EDB Portal and don't forget to close all the browser windows after successful logout.

| 繁體 | My Sites | My Links 🕞 | ø | • |
|----|----------|---|-----------|--|
| | | | | Sign Out |
| | | S | earch thi | is site My Settings |
| | | | | Personalize this Page |
| | | | [| Change My Password |
| | 😕 в | Vinning Entries 3asic Law Pop- w Design Compe | up | Hot Spots |
| | | | | Catalogue of Research Projects by EDB |
| | | Page | | |