## 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.

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• • •				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".

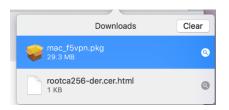
🙁 😑 🔇		Root CA 256				
Certificate Gent Cont Trust	Root CA 256 Root certificate authorit Expires: Wednesday, 31 This root certificate is an using this certificate:			-	-	e System Certificate sword to allow this.
	re Sockets Layer (SSL) Secure Mail (S/MIME) e Authentication (EAP)	743	Username: Password:	EDB	Cancel	Update Settings
	IP Security (IPsec) iChat Security Kerberos Client	Always Trust Always Trust	<b>≎</b>			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			_		_					
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👘 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			
<b></b>	System Roots										
		Name				Ki	nd	Date Modified	Expires	<ul> <li>Keychain</li> </ul>	
		20	Apple V	Vorldw	tification	Authority ce	rtificate		8 Feb 2023, 5:48:4	47 AM System	
		<b>1</b>	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	' <b>A second second second</b> ' <b>Can't be opened because</b> Apple cannot check it for malicious software.
	This software needs to be updated. Contact the developer for more information.
	ок

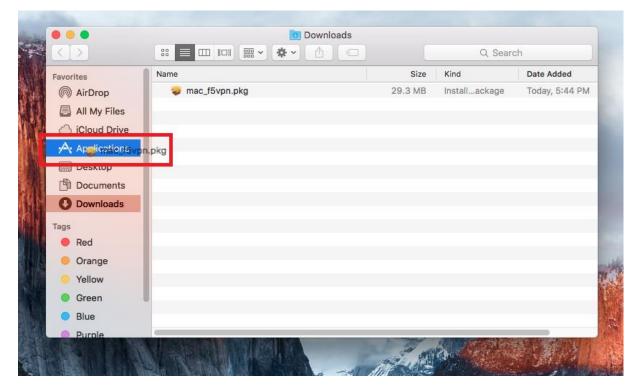
4. Click "Open in Finder"



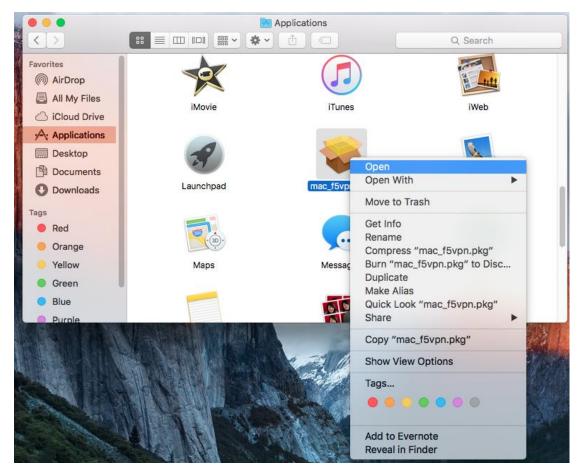
#### 5. Go to "Download"

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$\langle \rangle$			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"

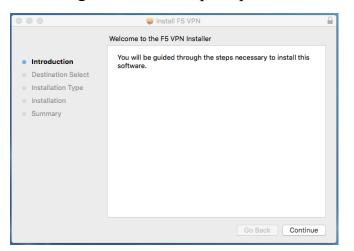


7. Right click "mac\_f5vpn.pkg" and then click "open"

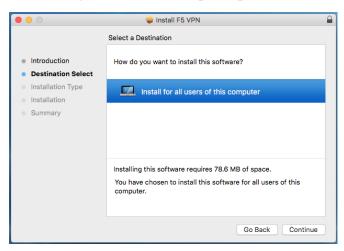


- Applications ... < > Favorites () AirDrop 4.4 All My Files iWeb iTunes Movie iCloud Drive Applications Desktop Documents Mail O Downloads Launchpad mac f5vpn.pkg Tags Red "mac\_f5vpn.pkg" is not from the Mac App Store. Are you sure you want to open it? Orange Opening "mac\_f5vpn.pkg" will always allow 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

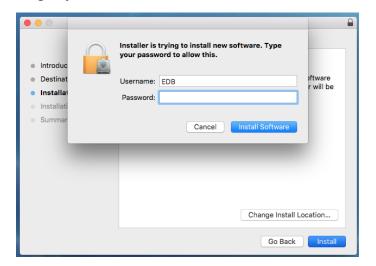
9. Following screen will be prompted. Click "Continue"



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



11. Login your Mac and click "Install"

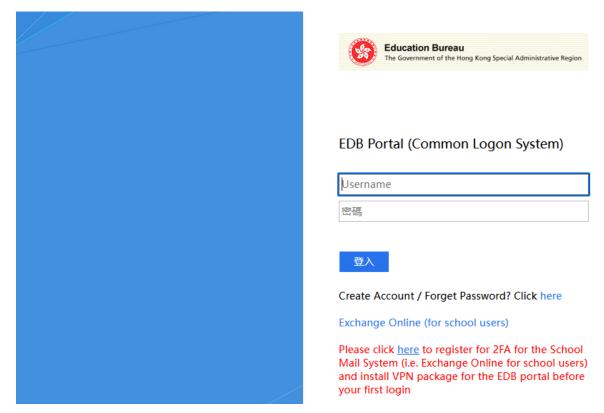


12. The installation was successful. Click "Close".

• • •	🥪 Install F5 VPN 🔒
<ul> <li>Introduction</li> <li>Destination Select</li> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	The installation was completed successfully. <b>The installation was successful</b> . The software was installed. <b>Go Back</b>

# 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.



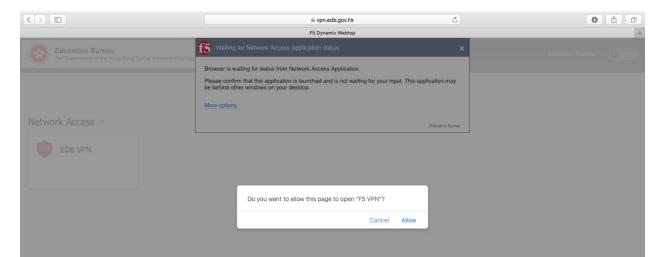
2. Sign in your EDB Portal account.

(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					
<ul> <li>Network Tunnel</li> </ul>	164 B	0%	164 B	0%	
<ul> <li>Optimized Applications</li> </ul>	0 B	0%	0 B	0%	
Total	164 B	0%	164 B	0%	

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

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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
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				Catalogue of Research Projects by EDB
		Page		