

# HYPERPKI™

## HYP2003 USB TOKEN User Guide



# HYP2003 User Guide for Mac Operating system



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# Document History

Version	Release Date	Description of Changes	Document Owner	Approved By
1.0.0	2025-09-06	Original document	NB	JL

# Getting Started

## Requirements

Before installing HYP2003 be sure, the following requirements are fulfilled:

- ❖ The latest version of the HYP2003 drivers for macOS  
Download from <https://taxpro.co.in/hyp2003-drivers>
- ❖ At least one available supported USB port
- ❖ HyperPKI HYP2003 USB token

## Installing the HYP2003 Token Drivers

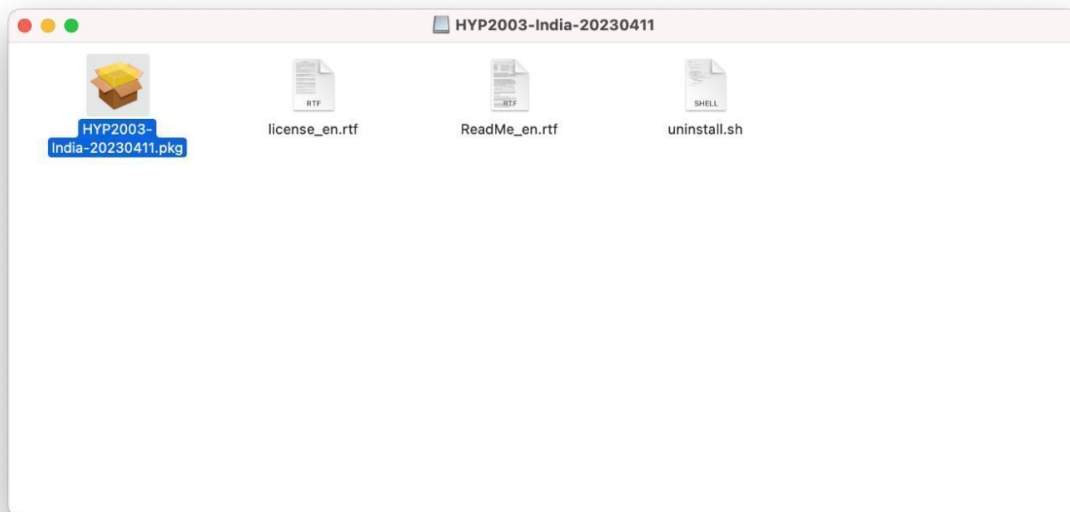
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Path to the PKCS#11 library file after driver installation: `/usr/local/lib/libcastle_v2.1.0.0.dylib`

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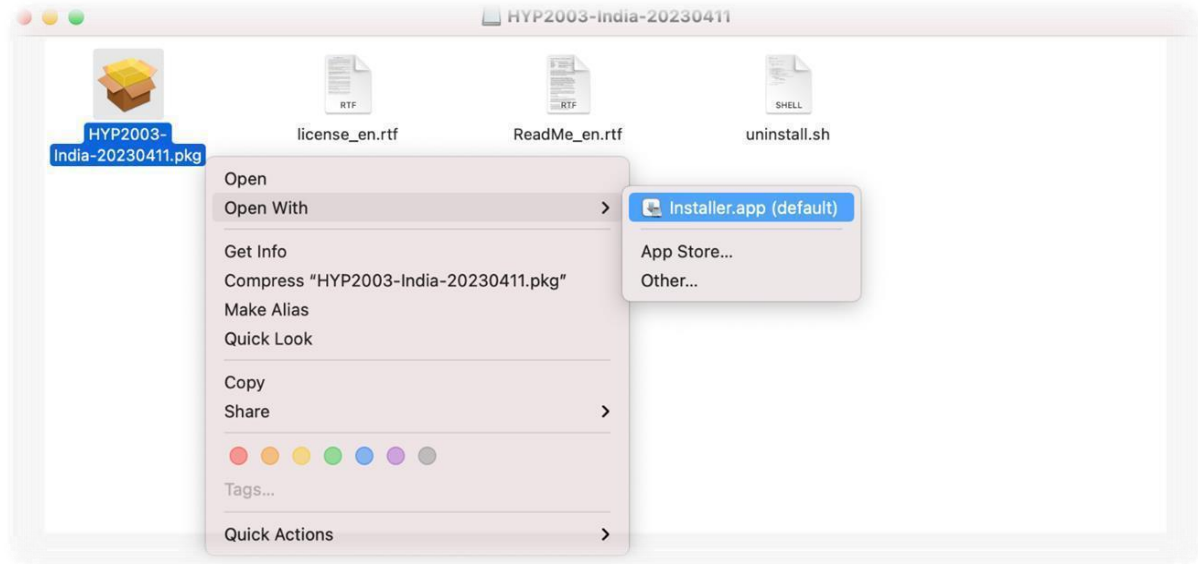
1. Extract the downloaded zip archive, and then locate HYP2003-India\_20250213.dmg

Double-click the file to open it and view the contents inside the disk image file:

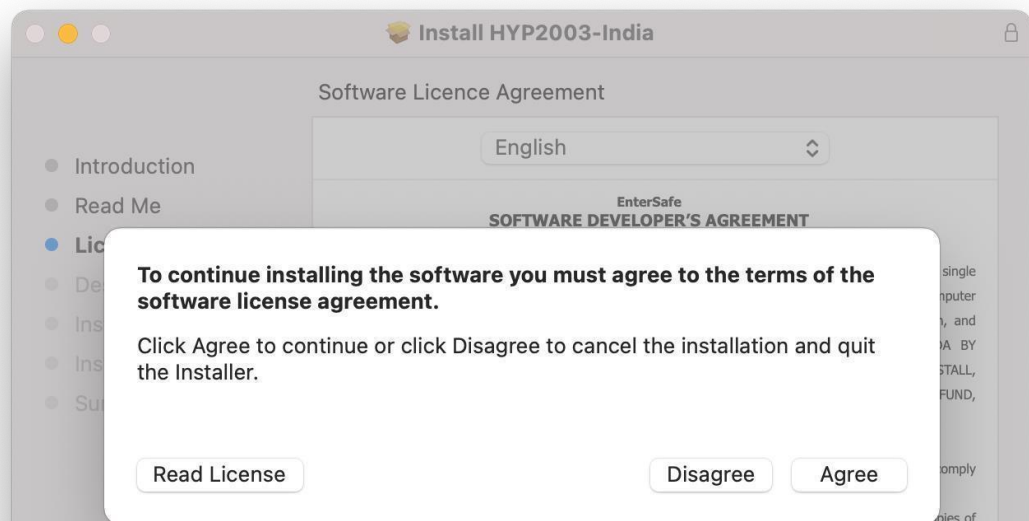


- ❖ HYP2003-India\_20250213.pkg: Installs HYP2003 middleware, HyperPKIMgr.app, HYPSmartToken.app
- ❖ License Agreement
- ❖ ReadMe.rtf: Readme document
- ❖ uninstall.sh: Uninstalls Castle Mac

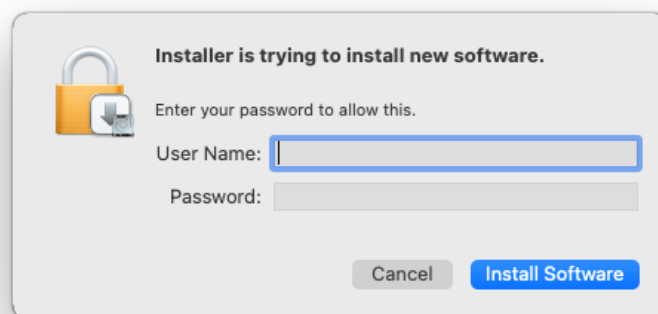
2. Executing the Package file by Open with Installer and Select Open or Double Click on it.



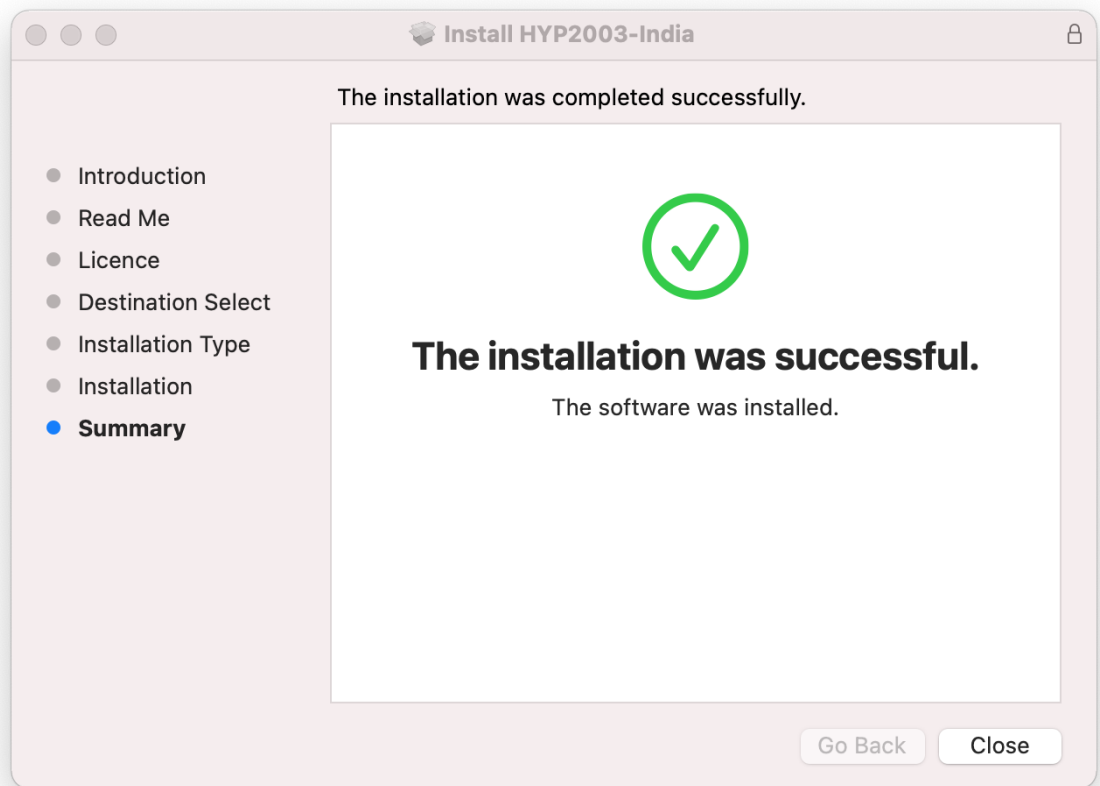
3. Click **Continue** and you will be guided through the steps necessary to install this software
4. Click **Agree** to begin the installation.



5. Click **Install**, then enter your user name and password if prompted and click **Install Software**.



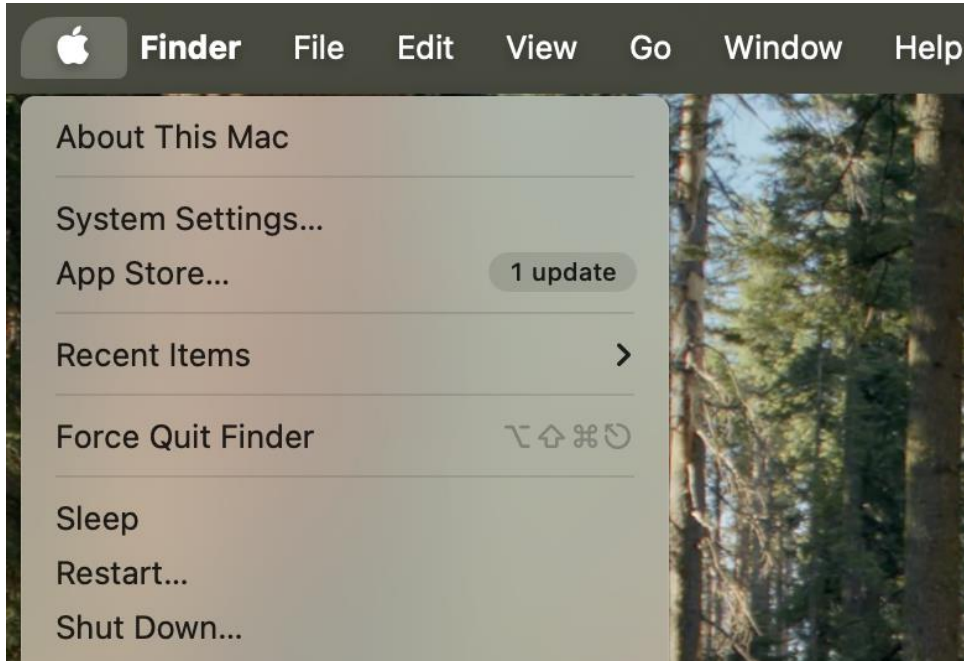
6. Click **Close** and restart the system to complete the installation.



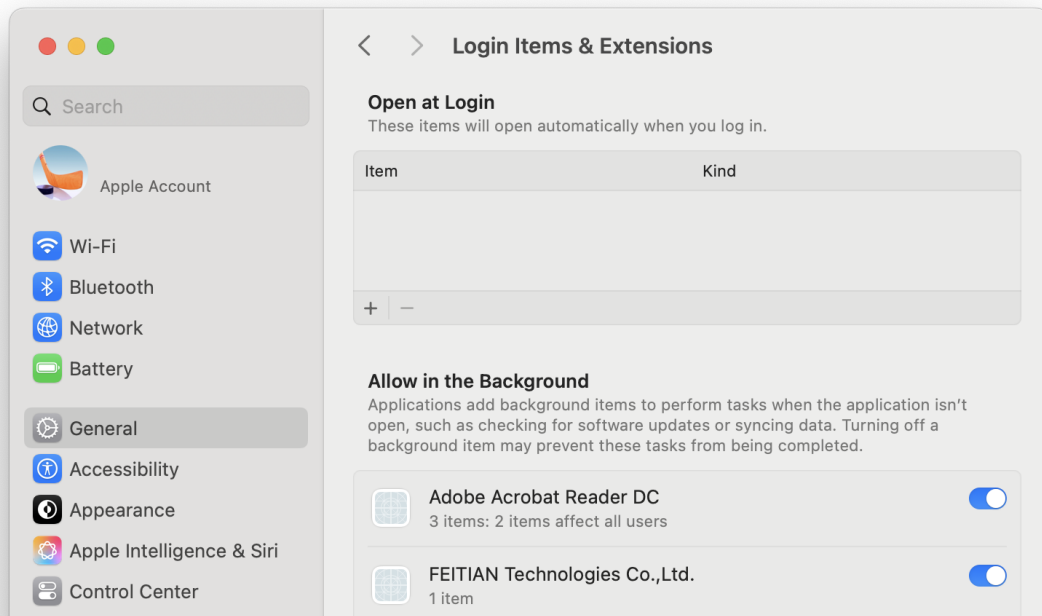
# Add HYPSToken in startup

## For macOS Ventura and later

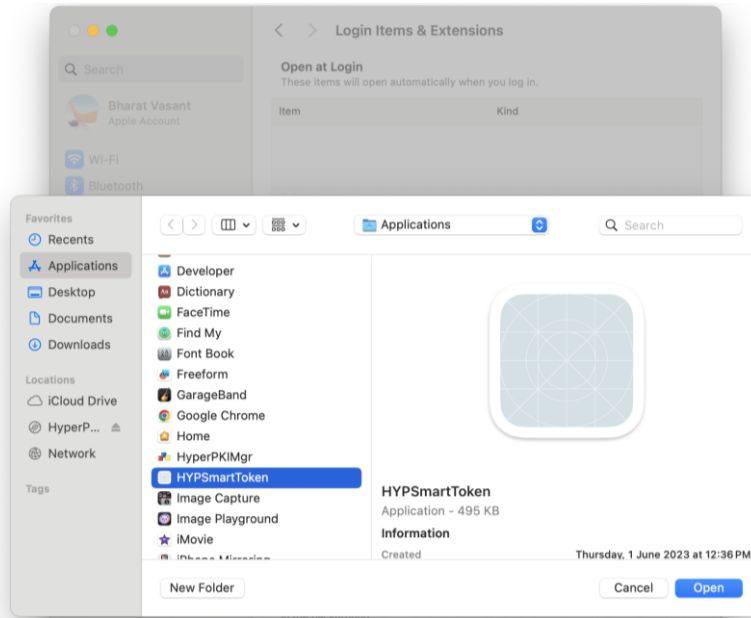
1. Click the Apple menu in the top-left corner of your screen.
2. Select System Settings.



3. Click General in the sidebar, then select Login Items.
4. Under the "Open at Login" list, click the plus (+) button.



5. In the Finder window that appears, navigate to your Applications folder, select the app HYPsSmartToken to add, and click Open.



## For macOS Monterey and earlier

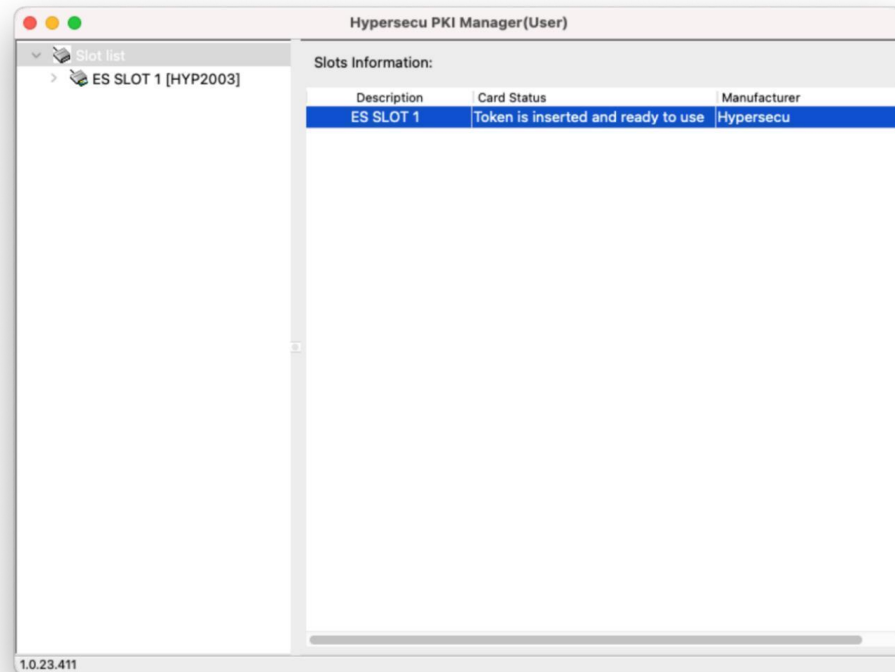
For older macOS versions (macOS Monterey and earlier), the process is slightly different.

1. Click the Apple menu and select System Preferences.
2. Click Users & Groups.
3. Select your user account and then click the Login Items tab.
4. Click the plus (+) button below the list and select the application HYPsSmartToken to add.

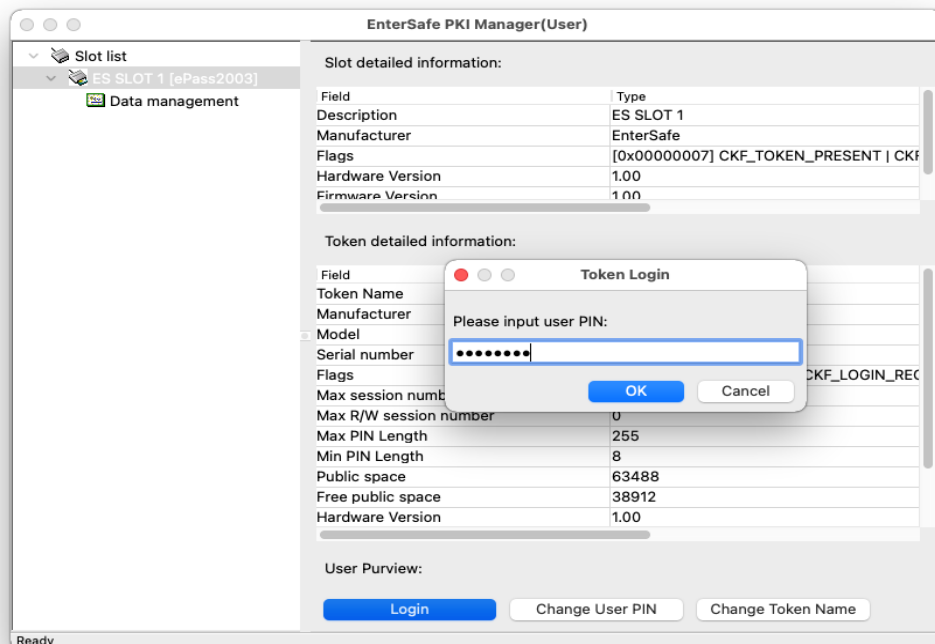


# Logging In

1. Open HyperPKIMgr from applications and connect the HYP2003 token.
2. If connected correctly, the HYP2003 token will appear on the Slot list.



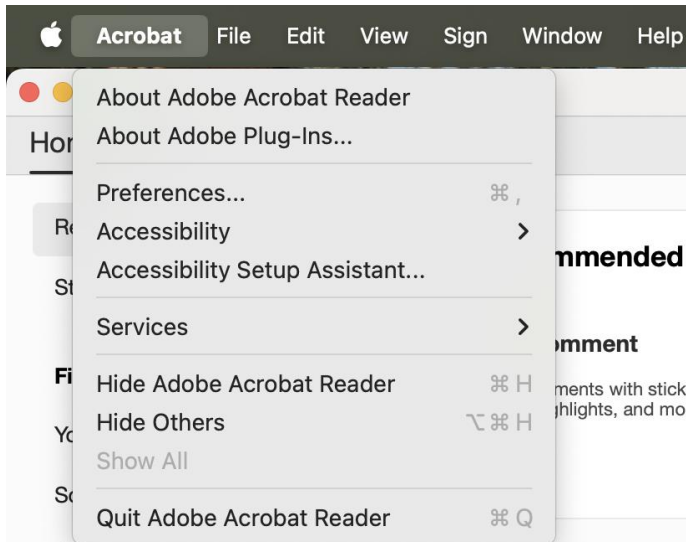
3. Select the HYP2003 you inserted, and then click Login.
4. Enter the user PIN and click OK.



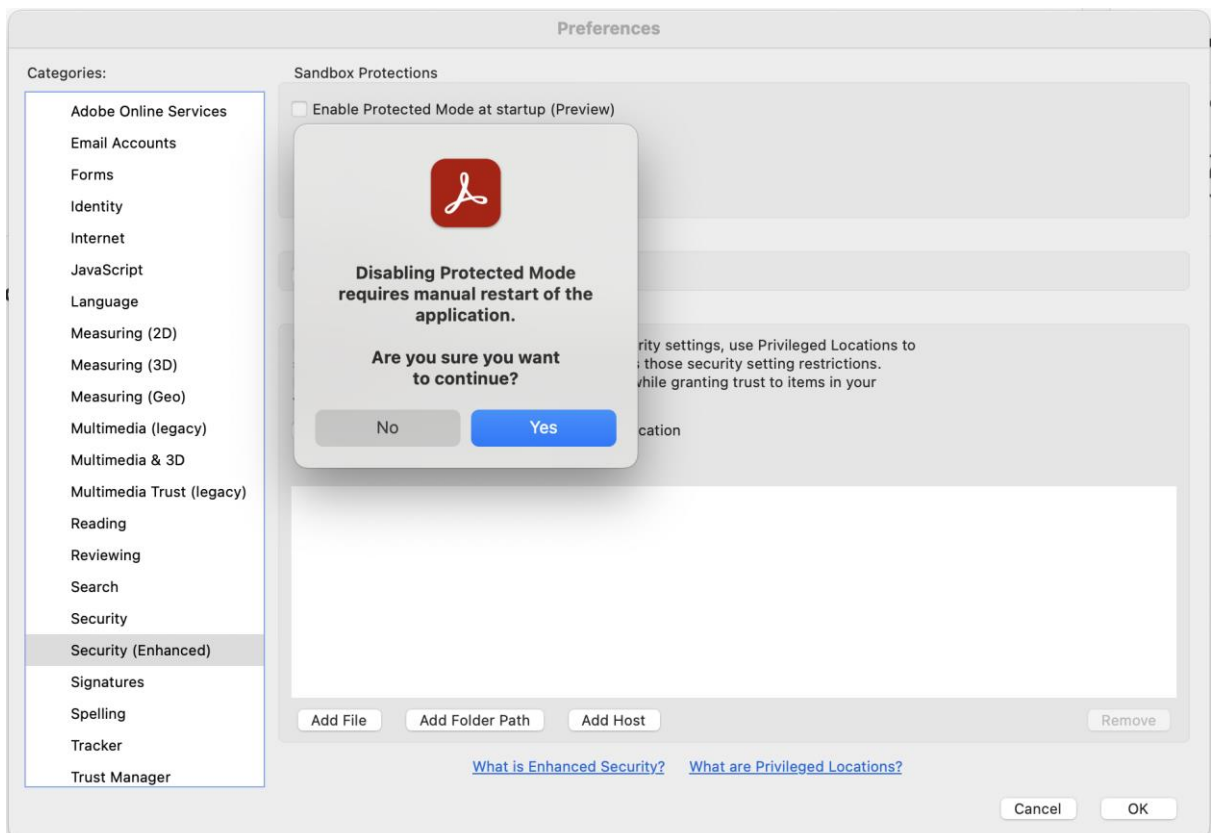
# Digital Signing

## Loading the PKCS#11 Module in Acrobat Reader DC for Digital Signing

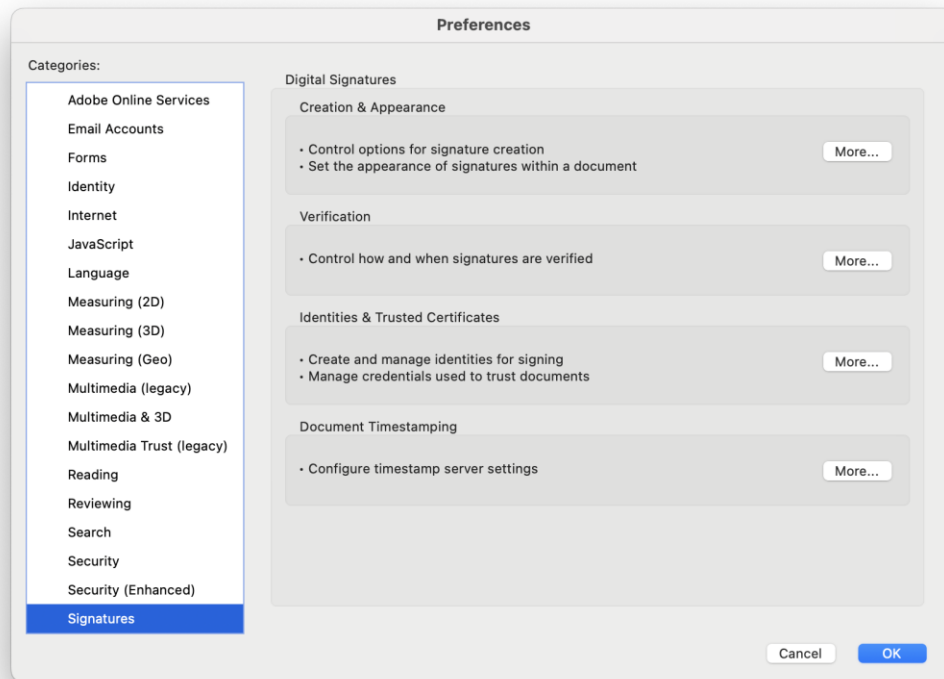
1. Open Preferences: Launch Adobe Reader, then open the Preferences dialog box by going to Adobe Reader > Preferences (or by pressing ⌘ + ,).



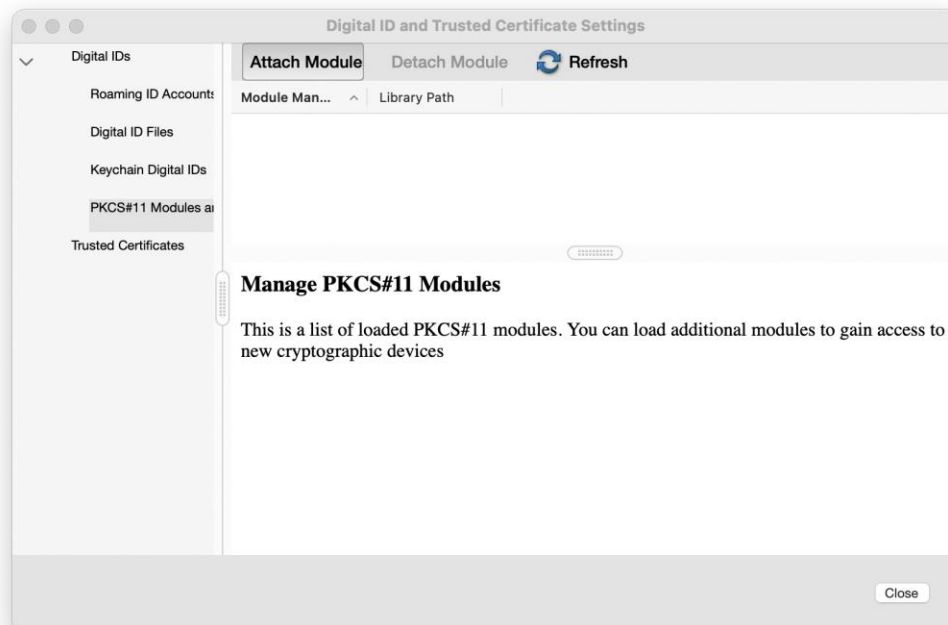
2. Navigate to Security (Enhanced): In the left-hand navigation **Enable Protected Mode at startup (Preview)**.
3. Uncheck the checkbox and select Yes.



4. Quit the Adobe Reader and open again. Again Launch Adobe Reader, then open the Preferences dialog box by going to Adobe Reader > Preferences (by pressing ⌘ + ,).
5. Navigate to Signatures: In the left-hand navigation pane, select Signatures.
6. Access Digital IDs: Under the Identities & Trusted Certificates section, click the More.button.

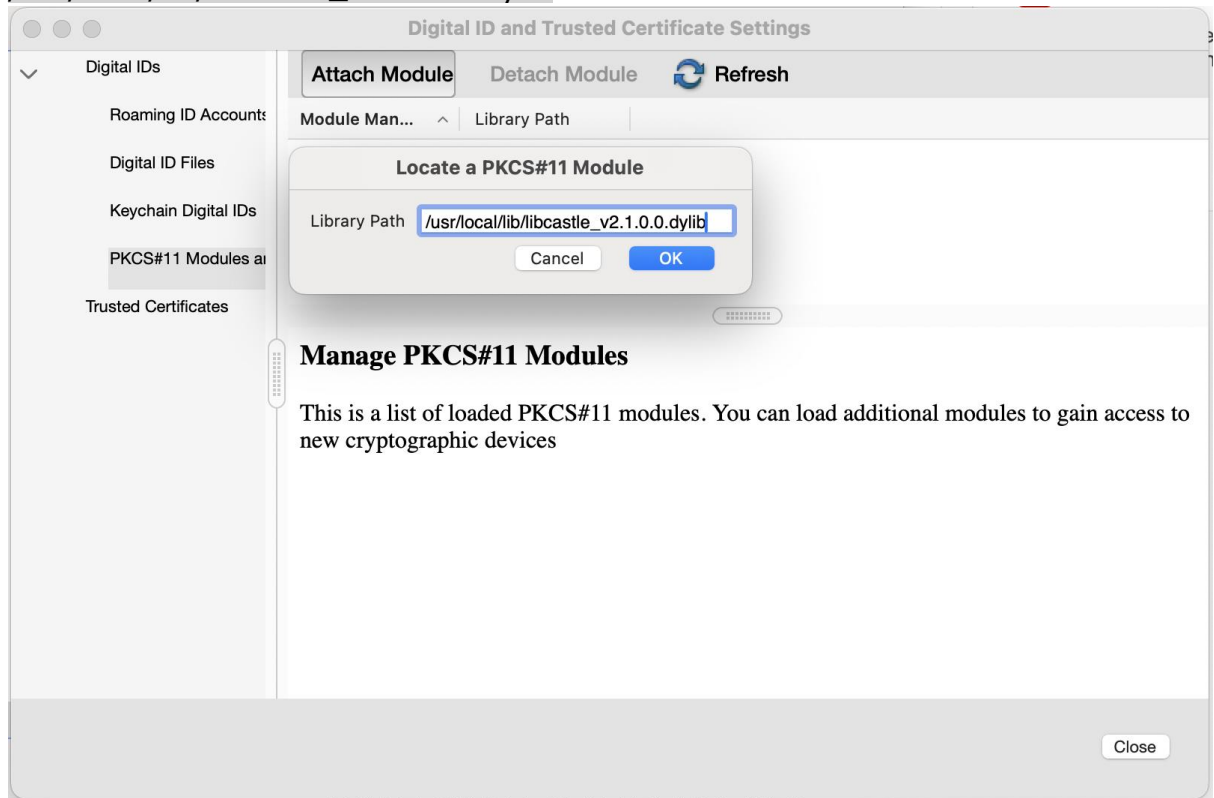


7. Manage PKCS#11 Modules: Select the PKCS#11 Modules and Tokens option from the list.
8. Link the module: Click the Attach Module button.

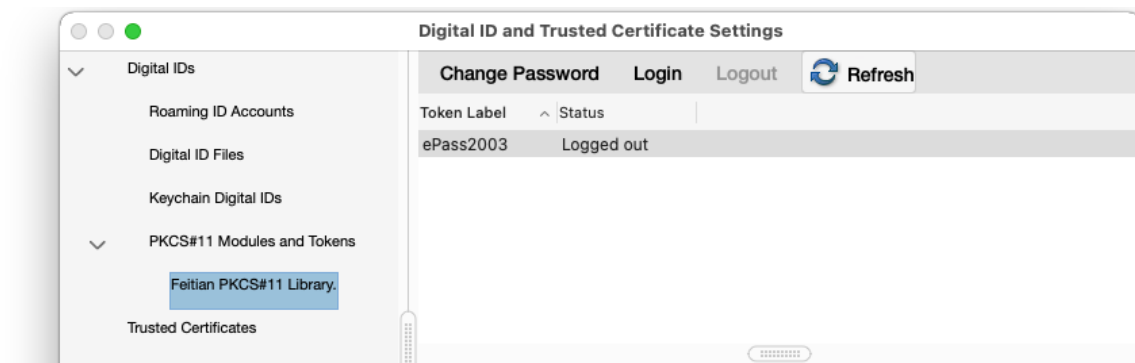


9. Enter the module path: In the pop-up window, copy and paste the path below and click on OK.

`/usr/local/lib/libcastle_v2.1.0.0.dylib`



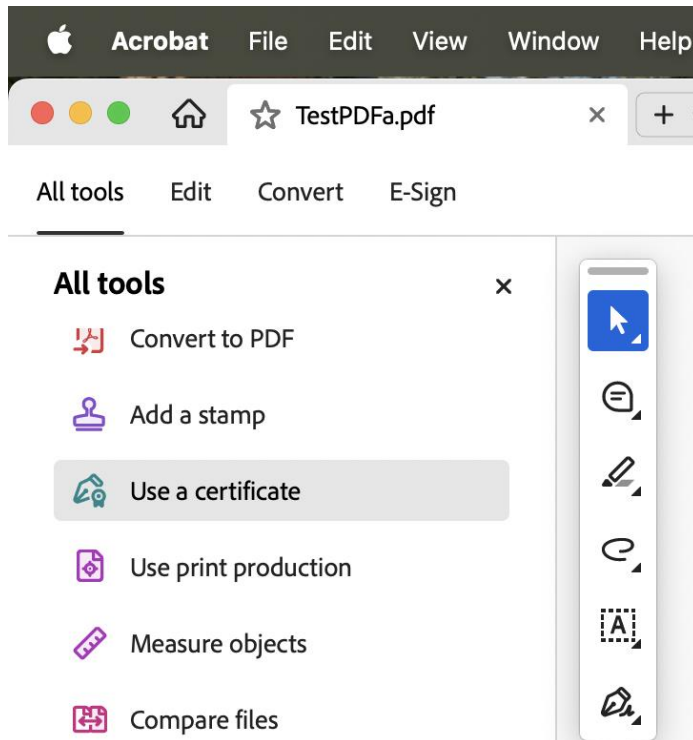
10. Expand the PKCS#11 Modules and Tokens menu. Select the token, then click Login. If the Login button is not highlighted, click Refresh (Make sure token is connected into the USB port correctly)



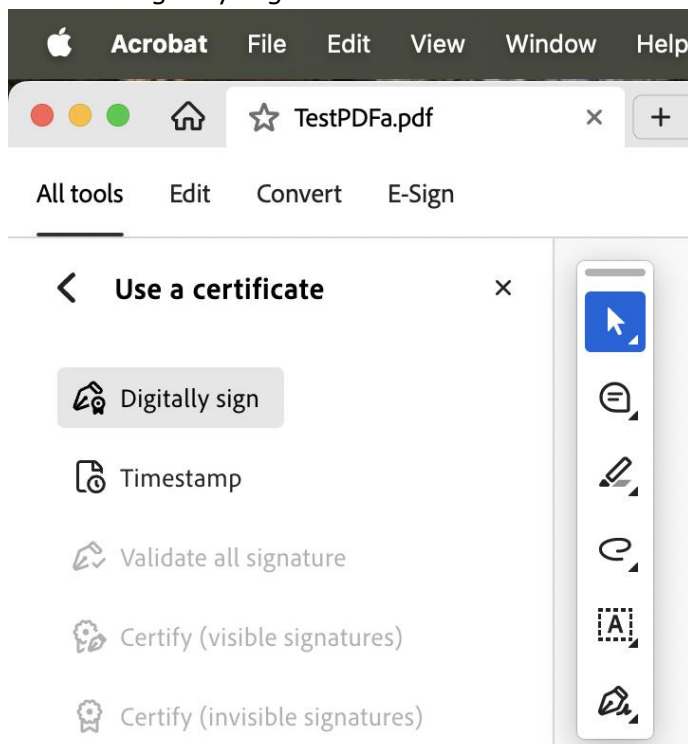
Enter the user PIN and click OK.

## Digitally Signing a PDF in Acrobat Reader DC

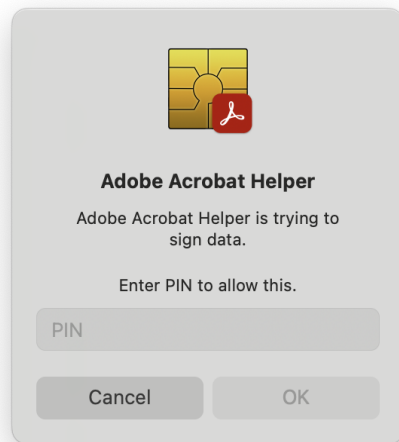
1. **Open the PDF:** Launch Adobe Acrobat Reader DC and open the PDF document you wish to sign.
2. **Access Tools Menu:** Go to the top-left menu and click All Tools.
3. **Select Certificates:** In the Tools panel, find and click More under the All Tools column, then select Use a certificate.



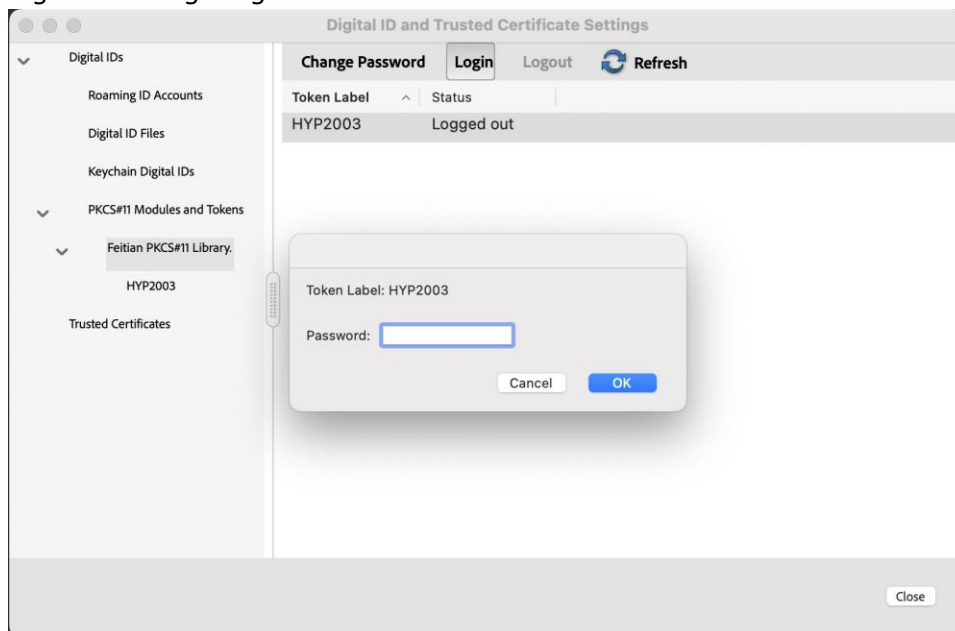
4. Click on Digitally Sign



5. **Draw Signature Rectangle:** The cursor will change to a crosshair; click and drag to draw a rectangle where you want your signature to appear.
6. **Select Digital ID:** In the dialog box that appears, select the appropriate digital ID (your certificate) from the list and click on Continue.
7. **Confirm and Save:** Click the button to confirm and sign the document. The program will prompt you to save the certified document. Enter the token user Pin on prompt.
8. If Adobe helper prompts for PIN, then make sure the token user pin has only 8 characters long. In this case if the token password is more than 8 characters long then change this with 8 characters. Open the HyperPKIMgr form Finder ⇒ Applications and change the User PIN.  
(Remember the New PIN because the User Pin is not recoverable in case of lost).



9. If not showing certificate for selection and showing "**Configure New Digital ID**" then click on **Configure New Digital ID** ⇒ click on continue ⇒ Select Manage Digital ID. ⇒ Select token from PKCS#11 Modules and Tokens ⇒ click on the Login button. Enter token User Pin and click on OK and close the dialog box and retry to sign the PDF document. If showing already Login then logout and login again.



## Loading the PKCS#11 Module in Mozilla Firefox

1. Start Firefox and open the main menu by clicking the "Menu" button (the three horizontal lines).
2. Navigate to Settings: Choose Options (or Preferences) from the menu, then select Privacy & Security.
3. Locate Security Devices: Scroll down the page to the Certificates section and click on Security Devices....
4. Load the Module: In the Security Device Manager, click the Load button.
5. Provide a Module Name: HYP2003 In the "Load PKCS#11 Device" dialog
6. In the Module filename field, copy and paste the file path below:  
`/usr/local/lib/libcastle_v2.1.0.0.dylib`
7. Click OK to finish loading.