

# BYOD/Hypori Purebred Registration and Microsoft Outlook Configuration with Encrypted Email (S/MIME)

## Introduction

This document will instruct you how to complete your Purebred registration, set up the Microsoft Outlook Client application, and how to configure digital Purebred certificates to enable encrypted email (S/MIME) in your Hypori Halo virtual workspace.

## Prerequisites

To complete the Purebred registration process, you must have:

- Completed BYOD/Hypori Army MobileConnect Onboarding
- Completed BYOD/Hypori Hypori Halo Client Onboarding
- BYOD/Hypori onboarding email containing the "BYOD.p12" file.
- Access to a NIPRNet-connected workstation

To configure Outlook email, it is required that:

- Your Outlook email account matches the email address for the certificates on your CAC.
- You belong to an approved domain (e.g., army.mil, af.mil, etc.). For more information about confirming and/or correcting the naming of your CAC certificates, please contact AESD.
- Purebred certificates must be present on your Hypori Halo virtual workspace. Authentication to Exchange Online using Outlook Client and configuration of S/MIME require the Purebred PIV Authentication Certificate and the Purebred Digital Signature Certificate.

## Procedures

## Purebred Registration

 On a computer connected to NIPRNet, open a web browser and navigate to <u>https://purebred.csd.disa.mil/</u>. Select your PKI certs as requested.









5. Review the security statement in the popup window, then select *OK*.



 The webpage will return an 8-digit numeric one-time password (OTP). This OTP changes every three minutes; it is recommended to leave this page open so you can refer to it in later steps.
 NOTE: QR Code is not supported at this time.



 From your device, open the Hypori Halo Client app and select the Purebred Registration icon.





8. Once the Purebred app opens, enter the OTP from step 6 in the OTP Value field, then select Complete Enrollment/Reenrollment.

- Use your CAC to an - Find this device ( My Devices list and - Enter the OTP the Re-Enrollment or Re-	ccess the URL belo click the Generate ( n click Complete En	w from a PC - pb) in your DTP action rollment/ an Keys
OTP Value User O	TP value	0
COMPLETE EN	ROLLMENT/RE-E	NROLLMENT
	A	
		Done
1	2 ABC	Done 3 DEF
1 	2 Авс 5 ЈКL	Done 3 DEF 6 MNO
1 4 бні 7 рояз	2 лвс 5 лкі 8 тич	Done 3 DEF 6 MNO 9 WXYZ

- <text><text><text><text><text><text><text><text><text>
- 9. The derived credentials will begin downloading. You'll receive a Successfully Processed message once the process is complete.



## Outlook Client Setup with Encrypted Email (S/MIME)

1. From the home screen of the Hypori Halo Client,

open the Outlook app.

Purebred certificates must be present on your Hypori Halo virtual workspace before continuing this procedure. Authentication to Exchange Online using Outlook Client and configuration of S/MIME require the Purebred PIV Authentication Certificate and the Purebred Digital Signature Certificate.







2. In Outlook, select Add Account.



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× Accounts found ? @army.mil Office 365 0 Privacy and Terms 3. Enter or select your email address (e.g., username@army.mil), then select Continue. Note: The email address here must be a match to the address used for your CAC-based certificates and Purebred certificates. SKIP THIS ACCOUNT 12:03 ▼⊿ 🖬 How would you like to sign in? O Certificate on this device O Physical smart card Cance 4. When asked How would you like to sign in, choose *Certificate on this device*, then select *Continue*.



:15 ① X Sign In < Choose certificate The app Chrome has requested a certificate. Choosing a certificate will let the app use this identity with servers now and in the future. The app has identified the requesting server as certauth.sts1.auth.ecut.deas.mil.443, but you should only give the app access to the certificate if you trust the app. Purebred Digital Signature Certi.. O CN= OR\_OU=PKI,OU=DOD,O=U.S. Government,C=US Purebred PIV Auth Certificate CN= .0U=CONTRACT OR.OU=PKI.OU=DOD,O=U.S. Government,C=US device\_self\_signed O CN= ,OU=PKI,OU=DoD,O=U.S. Government,C=US DENY SELECT • **Enable Notifications** Outlook uses notifications as a way to make sure you are notified about new emails. NO THANKS TURN ON NEVER REMIND AGAIN DECIDE LATER

**5.** Choose the *Purebred PIV Auth Certificate*, then *Select.* 

6. Select *Turn On* to enable Outlook notifications.



Turn on S/MIME Your administrator has enabled S/MIME setting, and external images will be blocked. APPLY NOW NEVER REMIND AGAIN Allow Outlook to send you notifications? Allow DON'T ALLOW Vesterday Vesterday Columnation Mail Columnation Columnation Mail Columnation Columnation Columnation Columnation Columnation Columnation Faced Market Columnation Mail Columnation Colum



7. Select Allow.

8. Select Apply Now to turn on S/MIME.



1149 Covernment Community Cloud (GCC) Vour IT administrator has updated your app settings to meet government security and compliance requirements. COK Vesterday Vesterday Vesterday Community Cloud Nour App Settings to meet government Security and compliance requirements. Community and compliance requirements. C



**9.** Select *OK* to dismiss the GCC acknowledgment.

**10.** The first time configuring your account, you may be prompted for "A new way to sign in," Select *I Understand* to approve sign-ins.



**11.** In your *Outlook* inbox, you will have received a BYOD/Hypori onboarding email. Open the email, which contains the PKCS #12 file as attachment (file extension .p12).

12. From the email, select and open the P12 attachment to begin the installation of your Purebred digital certificates.







Install Certificate Make sure this certificate comes from a valid source before installing. CANCEL INSTALL BYOD P12 : PYOD Hypon Outlook Client ! PT2-4KB C 2 attachmenta (1 MB) Get <u>Outlook for Android</u> Get <u>Outlook for Android</u>



13. Select Install.

**14.** When prompted to *Choose a certificate type*, select *VPN & app user certificate*, then choose *OK*.



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 Image: Second Second



**16.** When prompted to *Choose certificate*, select the *Purebred Digital Signature Certificate*, then choose *Select*.

15. When prompted to Name this certificate, use the

default certificate name. Select OK.



Certificate Installed

BYOD.p12 : BYOD Hypo

RCWP - BYOD/Hypori Onboarding (Step 3): Purebred Registration and Microsoft Outlook

USARMY Ft Belvoir HQDA ESA M... 8:44 AM to USARMY Ft Belvoir HQDA ESA Mail...

Configuration

Turn on S/MIME in Settings to send and receive encrypted and signed emails.

SETTINGS GOT IT

BYOD/Hypori Purebred Registration and Microsoft Outlook Configuration with Encrypted Email (S/MIME)

17. You will be notified that the *Certificate Installed*. While the message will instruct you to turn on S/MIME in Settings, you will complete this step later. Select *Got It*.

 Next, install any recovered PKCS #12 certificates. Select the Hypori email's .p12 attachment to begin.





19. Select Install.

Install Certificate

Mate sure this certificate comes from a ludid source before installing.

CANCEL

INSTALL



**20.** When prompted to *Choose a certificate type*, select *VPN & app user certificate*, then choose *OK*.



Name this certificate

BYOD/Hypori Purebred Registration and Microsoft Outlook Configuration with Encrypted Email (S/MIME)

- Certificate name 20931b12f6dd4f26b7074b1ee9d91f1 CANCEL OK PT2-4KB PDF-1 MB PDF-1 MB PC-1 MB Cert Outlook for Android Cert Outlook for Android
  - Choose certificate The app Outlook has requested a certificate. Choose certificate will telt eap use with Purebred Digital Signature C... OR OU-PKI,OU-DoD,O-U.S. Government.C-US Purebred PIV Auth Certificate OR OU-PKI,OU-DoD,O-U.S. Government.C-US Recovered PKCS #12 OR OU-PKI,OU-DOD,O-U.S. Government.C-US OR OU-PKI,OU-DOD,O-U.S. Government.C-US DR OU-PKI,OU-DOD,O-U.S. Government.C-US DENY SELECT

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default Certificate name. Select OK.

21. When prompted to Name this certificate, use the

**22.** When prompted to *Choose certificate*, select the *Recovered PKCS #12*, then choose *Select*.

**Note:** If there is more than one Recovered PKCS #12 certificate here, take note because you'll have to complete this process for each one.



- 23. The Certificate Installed successfully.
  - a. If there are additional Recovered PKCS #12 certificates that must be added, select *Got It* and return to step 18.
  - b. If there are no additional Recovered PKCS #12 certificates that must be added, select Settings and continue to step 24.
  - c. After completion of certificate installation press the back arrow to close the email.





**Note:** The *Settings* menu can be accessed from Outlook by selecting the Office365 logo, then selecting the settings gear.



- 1:54 ♥ 🔒 Settings Q Notifications (?) Help & feedback Mail accounts @army.mil Microsoft 365 0 ADD MAIL ACCOUNT + Storage accounts + ADD STORAGE ACCOUNT Add your storage provider to easily share, access, or manage files from your Outlook app Mail Signature Get Outlook for Android a G→ Swipe options Foourad Inhov 0
- @army.mil Microsoft 365 Description Automatic replies ? Sync contacts Sync calendars (? D Block external images ? Security Message Reminders Report messages Ask Online meetings On ( Microsoft Teams ) < 0 □

**24.** In the *Settings* menu, locate the *Mail accounts* section and select your account.

**25.** In the Account info menu, select Security.



Security

Always send email as

Certificates Installed (2)

Send and receive signed and encrypted emails

Verify your identity by signing your emails and protect your content by encrypting your emails.

Certificate expires - June 1, 2023

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S/MIME

Signed

Encrypted

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**26.** In the Security menu, you can see *S/MIME* is enabled.

In the *Certificates Installed* section, you will see entries for the initial digital signature and for each recovered PKCS #12 certificate.

**Note:** If you receive an error when attempting to enable S/MIME, your Outlook account likely does not match the email address for certificates on your CAC. For more information about confirming and/or correcting the naming of your CAC certificates, please contact AESD.



- **27. Optional:** In the Security menu *Always send email as* section:
  - **a.** You can optionally select *Signed* to digitally sign your emails by default.
  - b. You can optionally select *Encrypted* to encrypt your emails by default.
    When these settings are enabled, each switch will slide to the right and turn blue.

Once complete tap the back arrow at the top of the screen three times to return to your inbox.