

Importing FRCS Sandbox Certificate into Chrome on Linux

1) Install NSS tools

sudo apt update sudo apt install -y libnss3-tools 2) Initialize Chrome's NSS database (if it doesn't exist)

mkdir -p "\$HOME/.pki/nssdb" certutil -d sql:\$HOME/.pki/nssdb -N --empty-password 3) Import the root and intermediate CAs into Chrome

certutil -A -d sql:\$HOME/.pki/nssdb -n "VMS RCA Sandbox" -t "C,," -i "VMS RCA Sandbox.cer"

certutil -A -d sql:\$HOME/.pki/nssdb -n "VMS ICA1 Sandbox" -t "C,," -i "VMS ICA1 Sandbox.cer" 4)

Import your PFX (client cert + private key) into Chrome

pk12util -i "DeveloperAuthenticationCertificate.pfx" -d sql:\$HOME/.pki/nssdb When prompted, enter your PFX password (from the FRCS approval email). If it asks for an NSS DB password, press Enter (empty password) unless you set one. 5) Restart Chrome and test

Close all Chrome windows, reopen, and visit the sandbox login page. When you click "Login with Certificate", Chrome should prompt you to select your certificate. **Alternative (GUI method)**

- Go to: chrome://settings/certificates

- Under **Authorities** → Import both *VMS RCA Sandbox.cer* and *VMS ICA1 Sandbox.cer* (trust for websites).

- Under **Your Certificates** → Import *DeveloperAuthenticationCertificate.pfx*. **Troubleshooting**

- If Chrome doesn't prompt for a certificate: Ensure CA and client cert were added successfully and restart Chrome.

- If you see "bad certificate" errors: Make sure the CA certs are marked as trusted for websites and that your client cert supports Client Authentication.

- Firefox users: A separate import into your Firefox profile may be required.