Installing FRCS Sandbox Certificates on Linux

Option 1: One-Shot Script Installation
Save the script below as *frcs-install-certs.sh*, make it executable, and run it with sudo. chmod +x frcs-install-certs.sh sudo ./frcs-install-certs.sh "DeveloperAuthenticationCertificate.pfx" "VMS ICA1 Sandbox.cer" "VMS RCA Sandbox.cer" The script will:
- Install the VMS RCA Sandbox and VMS ICA1 Sandbox certificates into your system trust store.
- Extract the public certificate and private key from your PFX file.
- Create a combined PEM file (cert + key).
- Optionally import CA certs into Chrome/Chromium (if libnss3-tools is installed).

Option 2: Manual Installation
1) Install the root and intermediate certificates
For Debian/Ubuntu (Linux Mint):
sudo cp "VMS RCA Sandbox.cer" /usr/local/share/ca-certificates/vms-rca.crt sudo cp "VMS ICA1 Sandbox.cer" /usr/local/share/ca-certificates/vms-ica1.crt sudo update-ca-certificates **2) Extract your developer certificate and private key from PFX**
openssl pkcs12 -in DeveloperAuthenticationCertificate.pfx -clcerts -nokeys -out developer-cert.pem openssl pkcs12 -in DeveloperAuthenticationCertificate.pfx -nocerts -nodes -out developer-key.pem chmod 600 developer-key.pem **3) Optional: Combine cert and key**
cat developer-cert.pem developer-key.pem > developer-combined.pem chmod 600 developer-combined.pem **4) Test with curl**
curl --cert developer-cert.pem --key developer-key.pem https://tap.sandbox.vms.frcs.org.fj -I **Notes:**
- Replace file names with your actual certificate file paths.
- You must have OpenSSL installed (`sudo apt install openssl`).
- The `update-ca-certificates` command updates the system-wide trusted certificates.