

CAC Reader Configuration

A CAC Reader (Common Access Card Reader) installed on your computer allows access to many military websites. With its low cost and Windows, macOS, and Linux support, we recommend the SCM Microsystems USB Smart Card Reader. Benefit the Navy-Marine Corps Relief Society by purchasing your smart card reader at: <https://www.navysmart.com/amazon/B002N3MM6W/>

Installation directions are subject to change with software updates. Please email contact@navysmart.com if changes are needed. The latest version of this document is at: <https://www.navysmart.com/files/cac.pdf>

Windows 10

1. Download InstallRoot from DISA (Defense Information Systems Agency). InstallRoot is listed under "Trust Store". Select the latest NIPR Non Administrator version. <https://iase.disa.mil/pki-pke/pages/tools.aspx>
2. Double click the downloaded file to install the software.
 - a. If you receive a "Publisher could not be verified" warning, select "Run".
 - b. Press "Next >" on the following pages until "Install" is shown. Press "Install".
3. Run InstallRoot
 - a. On the next three "Quick Start" pages, press "Next >" for all.
 - b. Inside InstallRoot program, click the large "Install Certificates" button.
 - c. If you receive any "Security Warning" messages, select "Yes" for all.
 - d. On the "InstallRoot: Certificate Actions Summary" page, select "OK".
 - e. Close InstallRoot.
4. Plug in your CAC reader into the computer and let "Device Setup" automatically install the device.
5. Test your CAC reader.
 - a. Use Internet Explorer for an initial test and attempt to log in MyPay using the "SmartCard Login" button. <https://mypay.dfas.mil/>
 - b. When prompted to "Select a Certificate", choose the "Issuer" that doesn't contain the word "EMAIL". Generally, you only use your email certificate when accessing your email.
 - c. Type your PIN when prompted.
 - d. If able to log in, your CAC reader was successfully setup.

macOS

1. Download the DoD Root Certificates. <https://www.navysmart.com/files/dod-root-certificates.zip>
 - a. Double click the zipped file to expand the certificates.
 - b. Double click one of the four .p7b files.
 - c. On the "Add Certificates" page, ensure the "Keychain" is set to "login" and press "Add".
 - d. Type your password if prompted.
 - e. Repeat sub-steps 2-4 until all four .p7b files have been added.
2. Manually trust the DoD Root certificates.
 - a. Open "Finder".
 - b. Go to "Applications" > "Utilities".
 - c. Double click "Keychain Access".
 - d. On the left side of application, under "Keychains" select "login" and under "Category" select "All Items".

- e. Find and double click “DoD Root CA 3” in the list on the right side of the screen.
 - f. Set “When using this certificate” to “Always Trust”.
 - g. Type your password if promoted.
 - h. Repeat sub-steps 5-7 for “DoD Root CA 4”.
3. Plug in your CAC reader.
4. Download CACKey. https://www.militarycac.com/MacVideos.htm#CACKey_packages
 - a. Double click the downloaded file to install the software.
 - b. Press “Continue” on the “Introduction”, “Read Me”, and License pages.
 - c. On the “To continue installing the software you must agree to the terms of the software license agreement.” page, press “Agree”.
 - d. On the “Destination Select” page, leave the default selection and press “Continue”.
 - e. On the “Installation Type” page, leave the default selection and press “Install”.
 - f. Type your password if prompted.
 - g. On the “Summary” page, press “Close”.
5. Restart your computer.
6. Test your CAC reader.
 - a. Use Safari for an initial test and attempt to log in MyPay using using the “SmartCard Login” button. <https://mypay.dfas.mil/>
 - b. When prompted to “Select a Certificate”, choose the “Issuer” that doesn’t contain the word “EMAIL”. Generally you only use your email certificate when accessing your email.
 - c. Type your PIN when prompted.
 - d. If able to log in, your CAC reader was successfully setup.