Setting up 🦊 Firefox to use your CAC on your Windows computer

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Last Revision / review: 09 September 2019

These tweaks are required to utilize your CAC.

If you don't follow these instructions, Firefox(FF) will not know the CAC reader exists enabling you to access CAC secured websites.

This guide requires you to install ActivClient (FF will not work with the built in Windows 7, 8 / 8.1, or 10 smart card software)

ActivClient download locations:

https://militarycac.com/activclient.htm

The most up to date version of this presentation can be found at:
https://militarycac.com/files/FirefoxCACSetup.pdf or
https://militarycac.com/files/Tech_Note_Firefox_CAC_Authentication.pdf
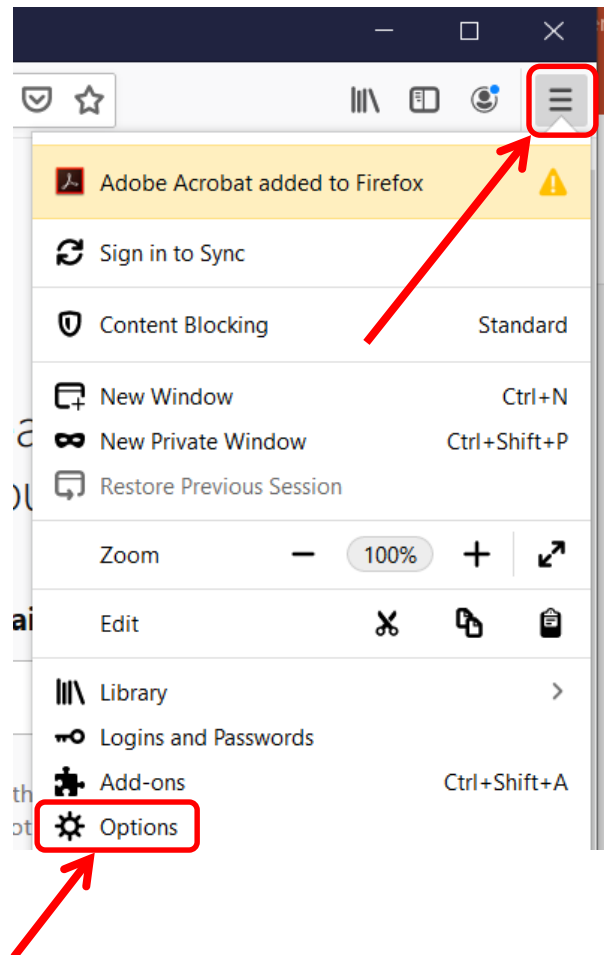
1

Download Firefox from the Mozilla website

https://www.mozilla.org/en-US/firefox

Open Firefox, click the 3 parallel lines, then *Options*

Scroll to the very bottom of the options page and click the *Security Devices...* (button)
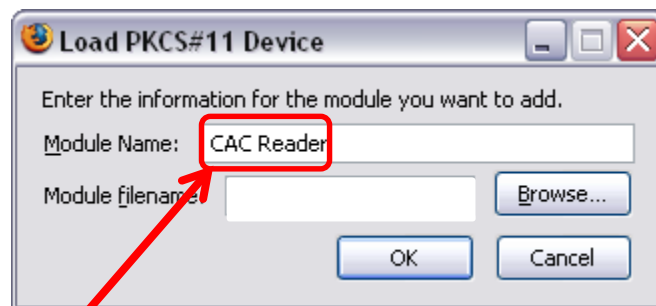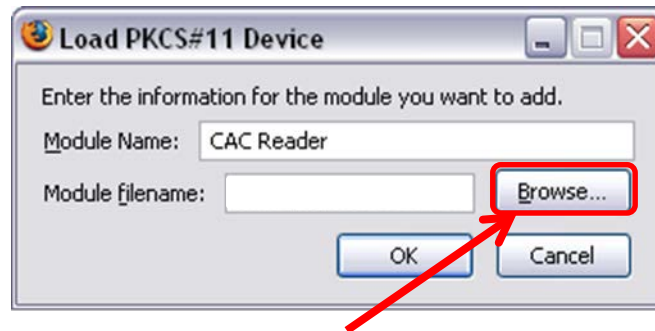
Click the _Load_ (button)
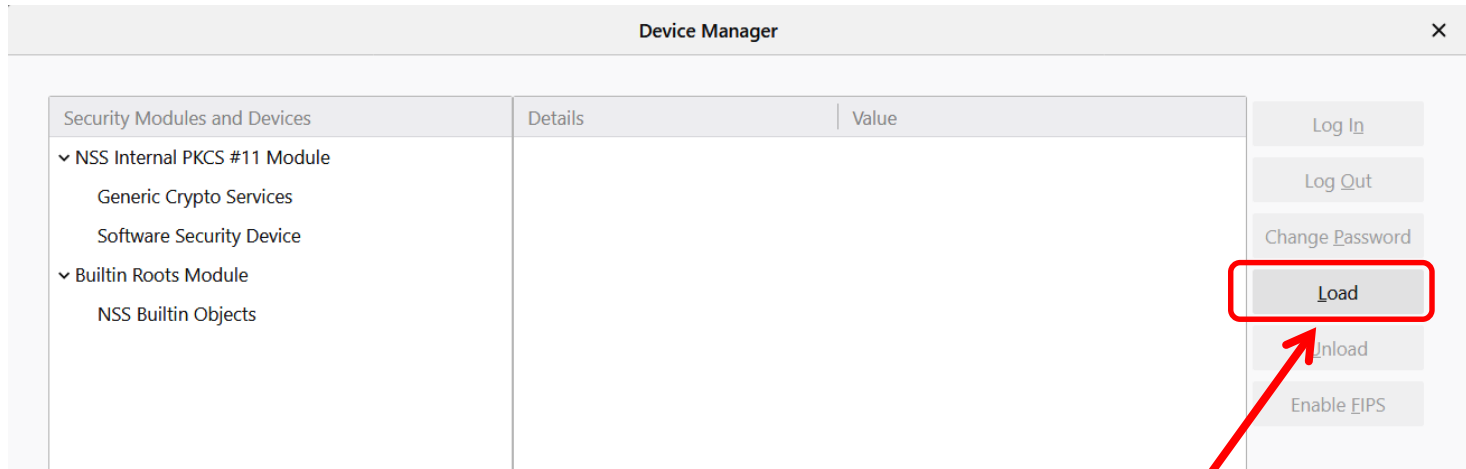
Type: "CAC Reader" in _Module Name:_

# Click *Browse…* then navigate to locations listed below the image, then click OK

- ActivClient **7.1.0.x** computers, navigate to: *C:\Program Files\HID Global\ActivClient\acpkcs211.dll*
- OpenSC computer will find the file located at: **C:\windows\system32**opensc-pkcs11.dll*
- Coolkey computer will find the "**libcoolkeypk11.dll**" file located at: **C:\Program Files(x86)\Mozilla Firefox**

NOTE (ActivClient users): Some people / computers may receive: "**Unable to add module**." Some ideas that helped others:
1. Navigate to the .dll location, then remove everything BEFORE *acpkcs211.dll* (basically leaving it by itself).
2. Run Firefox as an Administrator.

If these tips don't work for you, go back to using Internet Explorer for anything CAC related, you will save yourself a LOT of time and frustration.

You should now see *CAC Reader* in the left column. Select *OK* to close this window
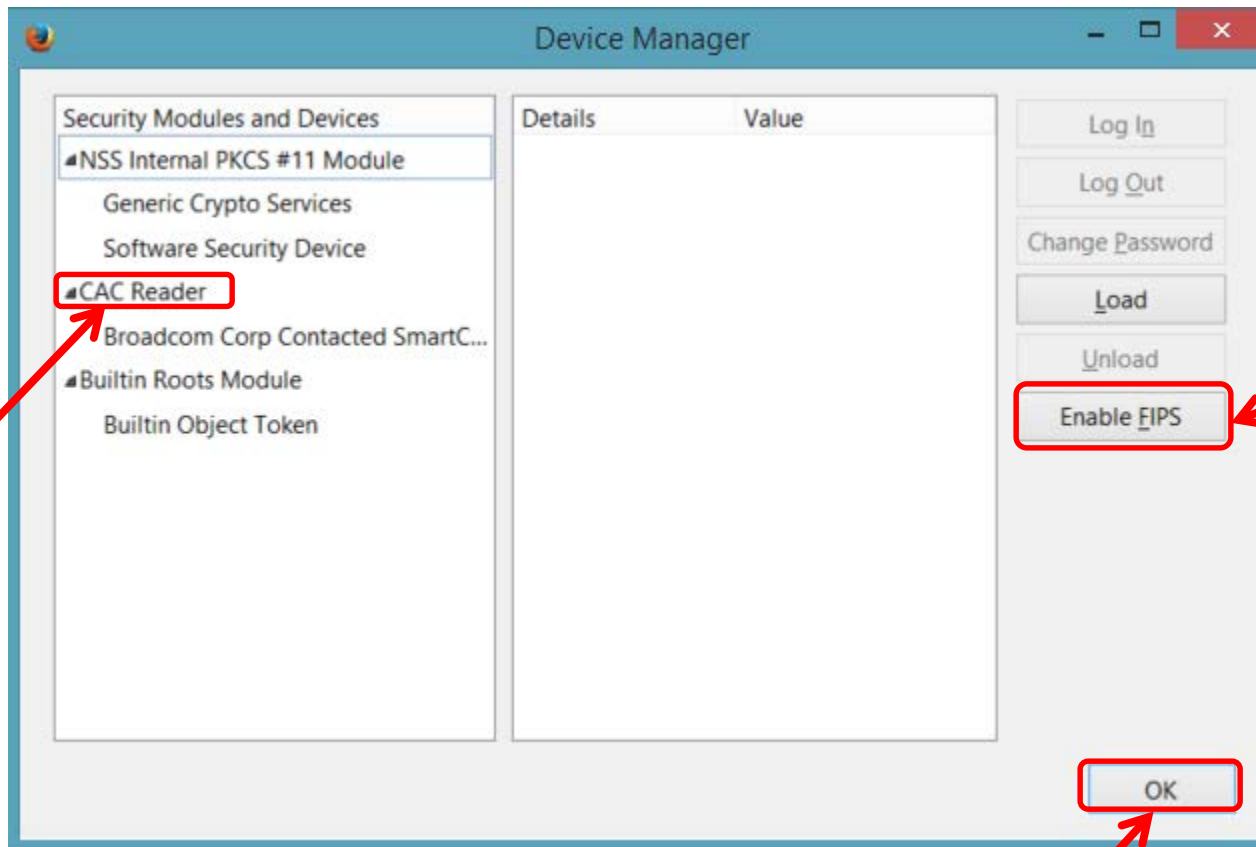
NOTE: Some Air Force users have had to select *Enable FIPS* (button) to access the Air Force Portal

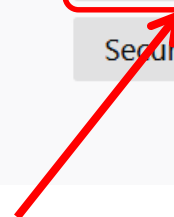# Click on *View <u>C</u>ertificates...* (button)

You will be prompted to enter your CAC PIN. Enter it an select OK

Click on the *Your Certificates* (tab), you should see your 4 CAC certificates listed, Click *OK*
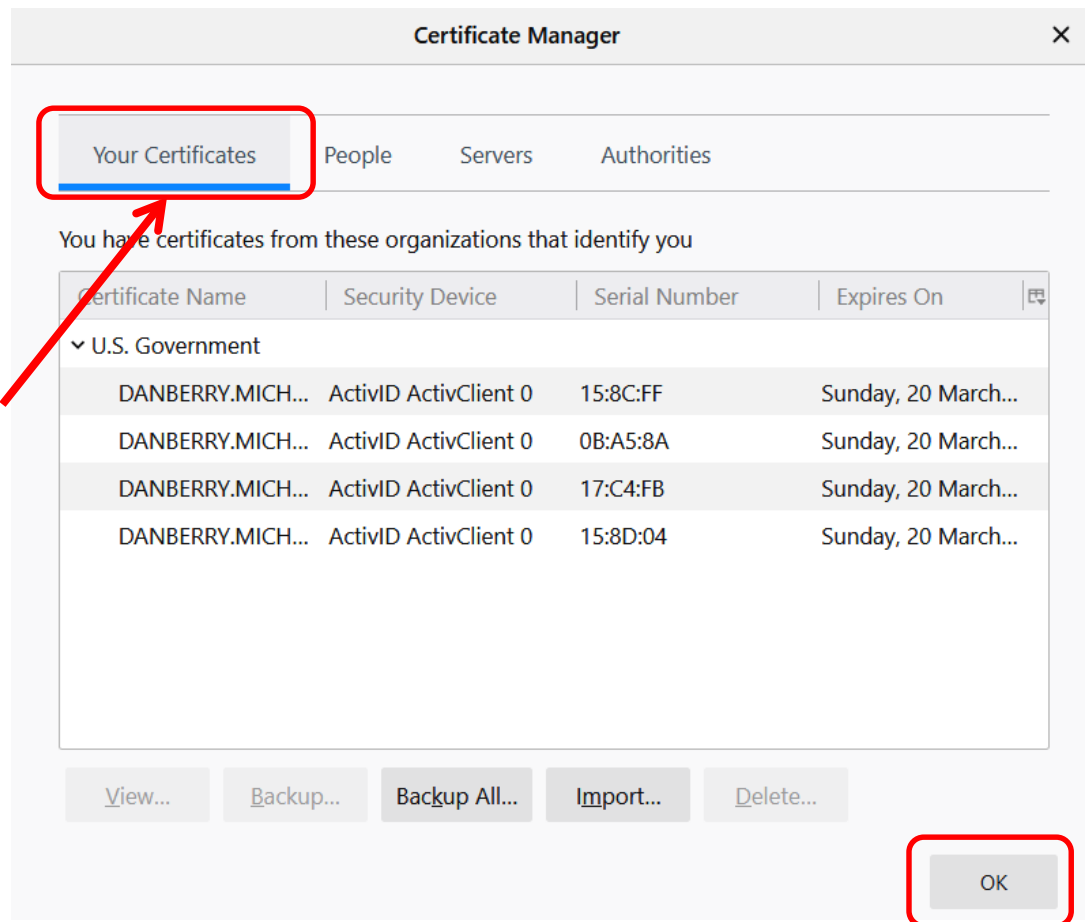
To successfully access DoD websites, you MUST install the Department of Defense (DoD) certificates

Download links for the InstallRoot file(s) can be found on:

https://militarycac.com/dodcerts.htm

It will not harm your computer to run this file more than once

If after installation of DoD certs you see "*There is a problem with this website's security certificate*" or see red certificate errors, follow this guide: https://militarycac.com/files/dodrootca2.pdf

Additional Guidance

- Close Firefox and restart it. Verify functionality by accessing a CAC restricted website like (https://www.dmdc.osd.mil/milconnect) and selecting the CAC option for logging in.
- You will be prompted with a message the *Connection is Untrusted* the first time you go to a new DoD website
- Examples are found on the next slide.
- Firefox will ask you each and every time you go to visit a new or different DoD website to Confirm the Security Exception (aka, the certificate).

Select *I Understand the Risks,* then *Add Exception...*

Select *Confirm Security Exception* (button), your site should now open
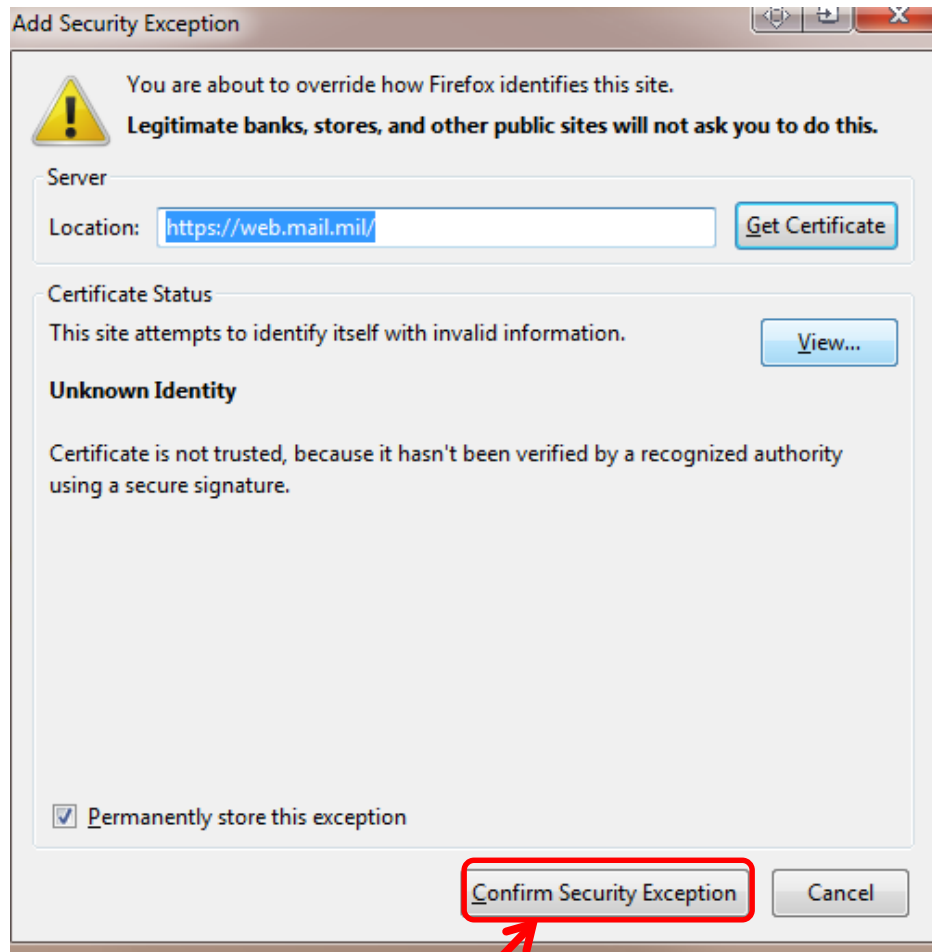
Once confirmed you should see the website you are trying to access.

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- At any time, the USG may inspect and seize data stored on this IS.

- Communications using, or data stored on, this IS are not private, are subject to routine monitoring, interception, and search, and may be disclosed or used for any USG-authorized purpose.

- This IS includes security measures (e.g., authentication and access controls) to protect USG interests--not for your personal benefit or privacy.

- Notwithstanding the above, using this IS does not constitute consent to PM, LE or CI investigative searching or monitoring of the content of privileged communications, or work product, related to personal representation or services by attorneys, psychotherapists, or clergy, and their assistants. Such communications and work product are private and confidential. See User Agreement for details.

OK

NOTE: If you have problems accessing Mail.mil (the ability to encrypt emails will NOT work in Firefox, you **MUST** use Internet Explorer).

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https://MilitaryCAC.com

If you still have questions, visit:
https://militarycac.com/questions.htm