Download and Install DoD Certs to a Mac

I am running on macOS Catalina Version 10.15.3, but these instructions should still work for you.



Download DoD Certificates

Navigate to <u>https://dl.dod.cyber.mil/wp-content/uploads/pki-pke/zip/certificates_pkcs7_v5-6_dod.zip</u> to download a p7b bundle of DoD certificates.



Right-click (or control + click, if right-click not enabled) the file, **Open With** > **Archive Utility.** You should now have a folder in the same location as the zip file you downloaded. Open the folder (double click on it) and find numerous files ending in **p7b**. There is a **README.txt** file that may or may not be helpful for you, too.

• • •	🚞 Certificates_PK	CS7_v5.6_DoD	
< >		C Q Search	
Favorites	Name	A Date Modified	Size
AirDrop	Certificates_PKCS7_vRoot_C	A_2.der.p7b Apr 4, 2019 at 21:05	13 KB
	Certificates_PKCS7_vD_Root_	CA_3.der.p7b Apr 4, 2019 at 21:05	31 KB
Recents	Certificates_PKCS7_vRoot_C	A_4.der.p7b Apr 4, 2019 at 21:05	4 KB
Google Drive	Certificates_PKCS7_vD_Root_	CA_5.der.p7b Apr 4, 2019 at 21:05	3 KB
Applications	Certificates_PKCS7_v5.6_DoD.c	der.p7b Apr 4, 2019 at 21:05	50 KB
Dockton	Certificates_PKCS7_v5.6_DoD.p	Dem.p7b Apr 4, 2019 at 21:05	68 KB
Desktop	Certificates_PKCS7_v5.6_DoD.s	sha256 Apr 4, 2019 at 21:07	4 KB
Documents	DoD_PKE_CA_chain.pem	Apr 4, 2019 at 21:05	3 KB
🕓 Downloads	README.txt	Apr 4, 2019 at 21:05	5 KB
😭 arombaut			
Creative Cloud Fil			
🛅 OneDrive - VMwa			
🔲 VMware, Inc			
iCloud			
C iCloud Drive			
Locations			
📓 Macintosh HD			

Install DoD Certificates into Keychain Access

Here is what my **Keychain Access** looks like before adding the DoD certificate bundles. Please bear in mind, I will have different certificates than you.

Keychains login iCloud System System Roots	Certificate Certificate Certificate Continue Contine	Root CA hority April 12, 2029 at 16:00: s marked as trusted for	01 Eastern Daylight Time this account	
	Name	^ Kind	Expires	Keychain
	5 *	certificate	Apr 2, 2024 at 19:48:16	login
	*.bluehost.com	certificate	Feb 9, 2021 at 18:59:59	login
	.cybersoft.com	certificate	May 4, 2020 at 08:00:00	login
	🕨 🔄 Aaron Rombaut	certificate	Apr 3, 2024 at 11:01:53	login
	Aaron Rombaut C02XN5KQJ	IGH5 certificate	Mar 18, 2021 at 05:13:35	login
	🙀 Aaron Rombaut Root CA	certificate	Apr 12, 2029 at 16:00:01	login
	Adobe Content Certificate 1	0-5 certificate	Aug 18, 2025 at 09:18:42	login
	Adobe Content Certificate 1	0-6 certificate	Aug 18, 2025 at 09:20:00	login
Category	Adobe Intermediate CA 10-3	certificate	Aug 4, 2068 at 13:37:58	login
a	Adobe Intermediate CA 10-4	certificate	Aug 4, 2068 at 13:37:59	login
All Items	Airwatch Profile Verify	certificate	Mar 9, 2128 at 16:54:01	login
Asswords	Cloud.vm	certificate	Sep 19, 2020 at 16:04:57	login
Secure Notes	VMware Root CA	certificate	Dec 27, 2027 at 12:30:33	login
My Certificates				
🖞 Keys				
🖸 Certificates				

On the folder where the p7b bundles reside, **double-click** the individual files (p7b files only) to install to **Keychain Access**. Your **Keychain Access** should now be filled with numerous certificates.

iCloud System System Roots	Centificate Continue	authority y, April 2, 2024 at 19:48:16 te is marked as trusted for	Eastern Daylight Time this account	
	Name	^ Kind	Expires	Keychain
	DOD EMAIL CA-33	certificate	Sep 22, 2021 at 09:34:57	login
	DOD EMAIL CA-34	certificate	Sep 22, 2021 at 09:41:54	login
	DOD EMAIL CA-39	certificate	Nov 8, 2021 at 09:14:47	login
	DOD EMAIL CA-40	certificate	Nov 8, 2021 at 09:18:43	login
	DOD EMAIL CA-41	certificate	Nov 9, 2021 at 11:05:27	login
	DOD EMAIL CA-42	certificate	Nov 9, 2021 at 11:09:42	login
	DOD EMAIL CA-43	certificate	Nov 9, 2021 at 11:11:02	login
	DOD EMAIL CA-44	certificate	Nov 9, 2021 at 11:12:16	login
Category	DOD EMAIL CA-59	certificate	Apr 2, 2025 at 09:37:25	login
All Itoms	DOD ID CA-33	certificate	Sep 22, 2021 at 09:32:32	login
/ Paseworde	DOD ID CA-34	certificate	Sep 22, 2021 at 09:40:30	login
Casura Natas	DOD ID CA-39	certificate	Nov 8, 2021 at 09:21:57	login
Secure Notes	DOD ID CA-40	certificate	Nov 8, 2021 at 09:22:54	login
My Certificates	DOD ID CA-41	certificate	Nov 9, 2021 at 11:13:56	login
🖞 Keys	DOD ID CA-42	certificate	Nov 9, 2021 at 11:15:02	login
Certificates	DOD ID CA-43	certificate	Nov 9, 2021 at 11:16:01	login
	DOD ID CA-44	certificate	Nov 9, 2021 at 11:18:14	login
	DOD ID CA-59	certificate	Apr 2, 2025 at 09:38:32	login
	DOD ID SW CA-35	certificate	Sep 22, 2021 at 09:37:50	login
	DOD ID SW CA-36	certificate	Sep 22, 2021 at 09:44:42	login
	DOD ID SW CA-37	certificate	Sep 23, 2021 at 11:23:05	login
	DOD ID SW CA-38	certificate	Sep 23, 2021 at 11:24:51	login
	DOD ID SW CA-45	certificate	Mar 9, 2022 at 08:28:56	login

Trusting the Certificates

On each of the certificates, there is going to be a trust setting. You will most likely want to **Always Trust** the DoD Root CA certificates. Double-click on the **DoD Root CA 2** certificate. It should have a red circle with a white x.

• • • + i				Q Search
Keychains login iCloud System System Roots	Certificate And Control CA Root certificate Expires: Wednes This root cert	2 authority sday, December 5, 2029 at ificate is not trusted	10:00:10 Eastern Standard Time	
	Name	^ Kind	Expires	Keychain
	DOD ID CA-41	certificate	NOV 9, 2021 at 11-13-50	login
	DOD ID CA-42	certificate	Nov 9, 2021 at 11:15:02	login
	DOD ID CA-43	certificate	Nov 9, 2021 at 11:16:01	login
	DOD ID CA-44	certificate	Nov 9, 2021 at 11:18:14	login
	DOD ID CA-59	certificate	Apr 2, 2025 at 09:38:32	login
	DOD ID SW CA-35	certificate	Sep 22, 2021 at 09:37:50	login
	DOD ID SW CA-36	certificate	Sep 22, 2021 at 09:44:42	login
	DOD ID SW CA-37	certificate	Sep 23, 2021 at 11:23:05	login
	DOD ID SW CA-38	certificate	Sep 23, 2021 at 11:24:51	login
Category	DOD ID SW CA-45	certificate	Mar 9, 2022 at 08:28:56	login
All Items	DOD ID SW CA-46	certificate	Mar 9, 2022 at 09:22:27	login
🛴 Passwords	DOD ID SW CA-47	certificate	Apr 13, 2022 at 09:12:43	login
Secure Notes	DOD ID SW CA-48	certificate	Apr 13, 2022 at 09:19:49	login
Mv Certificates	DoD Root CA 2	certificate	Dec 5, 2029 at 10:00:10	login
Kevs	DoD Root CA 3	certificate	Dec 30, 2029 at 13:46:41	login
Certificates	DoD Root CA 4	certificate	Jul 25, 2032 at 15:48:23	login
	DoD Root CA 5	certificate	Jun 14, 2041 at 13:17:27	login
	DOD SW CA-55	certificate	Nov 23, 2022 at 10:46:46	login
	DOD SW CA-56	certificate	Nov 23, 2022 at 10:48:22	login
	DOD SW CA-57	certificate	Dec 12, 2022 at 09:39:49	login
	DOD SW CA-58	certificate	Dec 12, 2022 at 09:40:52	login
	DOD SW CA-60	certificate	Apr 2, 2025 at 09:34:49	login
	DOD SW CA-61	certificate	Mar 31, 2025 at 09:41:24	login
	VMware Root CA	certificate	Dec 27, 2027 at 12:30:33	login

Change the When using this certificate to Always Trust.

	DoD Root CA 2
Certificate	DoD Root CA 2 Root certificate authority Expires: Wednesday, December 5, 2029 at 10:00:10 Eastern Standard Time S This root certificate is not trusted
▼ Trust	
Wh	nen using this certificate: Always Trust ᅌ ?
Secu	Ire Sockets Layer (SSL) Always Trust
	Secure Mail (S/MIME) Always Trust
Extensibl	le Authentication (EAP) Always Trust
	IP Security (IPsec) Always Trust
	Code Signing Always Trust
	Time Stamping Always Trust
	X.509 Basic Policy Always Trust
Details	
S	ubject Name
Count	try or Region US
(Organization U.S. Government
Organiz	zational Unit DoD
Organi	zational Unit PKI

Close the window and authenticate the action if prompted.

Touch ID or enter your password to allow this.	You are making ch Trust Settings.	anges to your Certifi	cate
	Touch ID or enter your	password to allow this.	

The certificate should now have a blue circle with a white +.

				Q Search
Keychains				
🧊 login				
iCloud				
System				
System Roots				
	Name	^ Kind	Expires	Kevchain
	DOD ID CA-41	ceruncate	NOV 9, 2021 at 11.13.50	login
	DOD ID CA-42	certificate	Nov 9, 2021 at 11:15:02	login
	DOD ID CA-43	certificate	Nov 9, 2021 at 11:16:01	login
	DOD ID CA-44	certificate	Nov 9, 2021 at 11:18:14	login
	DOD ID CA-59	certificate	Apr 2, 2025 at 09:38:32	login
	DOD ID SW CA-35	certificate	Sep 22, 2021 at 09:37:50	login
	DOD ID SW CA-36	certificate	Sep 22, 2021 at 09:44:42	login
	DOD ID SW CA-37	certificate	Sep 23, 2021 at 11:23:05	login
	DOD ID SW CA-38	certificate	Sep 23, 2021 at 11:24:51	login
Category	DOD ID SW CA-45	certificate	Mar 9, 2022 at 08:28:56	login
All Items	DOD ID SW CA-46	certificate	Mar 9, 2022 at 09:22:27	login
🛴 Passwords	DOD ID SW CA-47	certificate	Apr 13, 2022 at 09:12:43	login
Secure Notes	DOD ID SW CA-48	certificate	Apr 13, 2022 at 09:19:49	login
Mv Certificates	DoD Root CA 2	certificate	Dec 5, 2029 at 10:00:10	login
¥ Kevs	DoD Root CA 3	certificate	Dec 30, 2029 at 13:46:41	login
Certificates	DoD Root CA 4	certificate	Jul 25, 2032 at 15:48:23	login
	DoD Root CA 5	certificate	Jun 14, 2041 at 13:17:27	login
	DOD SW CA-55	certificate	Nov 23, 2022 at 10:46:46	login
	DOD SW CA-56	certificate	Nov 23, 2022 at 10:48:22	login
	DOD SW CA-57	certificate	Dec 12, 2022 at 09:39:49	login
	DOD SW CA-58	certificate	Dec 12, 2022 at 09:40:52	login
	DOD SW CA-60	certificate	Apr 2, 2025 at 09:34:49	login
	DOD SW CA-61	certificate	Mar 31, 2025 at 09:41:24	login
	VMware Root CA	certificate	Dec 27, 2027 at 12:30:33	login