

Your browser trusts many CAs **by default**

Keychain Access

Click to unlock the System Roots keychain.

Keychains

- login
- Microsoft_Int...diate_Certificates
- Local Items
- System
- System Roots**

Category

- All Items
- Passwords
- Secure Notes
- My Certificates
- Keys
- Certificates**

GeoTrust Global CA
Root certificate authority
Expires: Saturday, May 21, 2022 at 7:00:00 AM Arabian Standard Time
This certificate is valid

Name	Kind	Expires	Keychain
Echoworx Root CA2	certificate	Oct 7, 2030, 1:49:13 PM	System Roots
EE Certification Centre Root CA	certificate	Dec 18, 2030, 2:59:59 AM	System Roots
Entrust Root Certification Authority	certificate	Nov 27, 2026, 11:53:42 PM	System Roots
Entrust Root Certification Authority - EC1	certificate	Dec 18, 2037, 6:55:36 PM	System Roots
Entrust Root Certification Authority - G2	certificate	Dec 7, 2030, 8:55:54 PM	System Roots
Entrust.net Certification Authority (2048)	certificate	Dec 24, 2019, 9:20:51 PM	System Roots
Entrust.net Certification Authority (2048)	certificate	Jul 24, 2029, 5:15:12 PM	System Roots
ePKI Root Certification Authority	certificate	Dec 20, 2034, 5:31:27 AM	System Roots
Federal Common Policy CA	certificate	Dec 1, 2030, 7:45:27 PM	System Roots
GeoTrust Global CA	certificate	May 21, 2022, 7:00:00 AM	System Roots
GeoTrust Primary Certification Authority	certificate	Jul 17, 2036, 2:59:59 AM	System Roots
GeoTrust Primary Certification Authority - G2	certificate	Jan 19, 2038, 2:59:59 AM	System Roots
GeoTrust Primary Certification Authority - G3	certificate	Dec 2, 2037, 2:59:59 AM	System Roots
Global Chambersign Root	certificate	Sep 30, 2037, 7:14:18 PM	System Roots
Global Chambersign Root - 2008	certificate	Jul 31, 2038, 3:31:40 PM	System Roots
GlobalSign	certificate	Mar 18, 2029, 1:00:00 PM	System Roots
GlobalSign	certificate	Jan 19, 2038, 6:14:07 AM	System Roots
GlobalSign	certificate	Jan 19, 2038, 6:14:07 AM	System Roots
GlobalSign	certificate	Dec 15, 2021, 11:00:00 AM	System Roots
GlobalSign Root CA	certificate	Jan 28, 2028, 3:00:00 PM	System Roots
Go Daddy Class 2 Certification Authority	certificate	Jun 29, 2034, 8:06:20 PM	System Roots
Go Daddy Root Certificate Authority - G2	certificate	Jan 1, 2038, 2:59:59 AM	System Roots
Government Root Certification Authority	certificate	Dec 31, 2037, 6:59:59 PM	System Roots
Hellenic Academic and Research Institutions RootCA 2011	certificate	Dec 1, 2031, 4:49:52 PM	System Roots
Hongkong Post Root CA 1	certificate	May 15, 2023, 7:52:29 AM	System Roots

177 Items

Why and when using HTTPS?

HTTPS = HTTP + TLS

➔ TLS provides

- confidentiality: end-to-end secure channel
- integrity: authentication handshake

➔ HTTPS protects any data send back and forth including:

- login and password
- session ID

✓ **HTTPS everywhere**

HTTPS must be used during the entire session