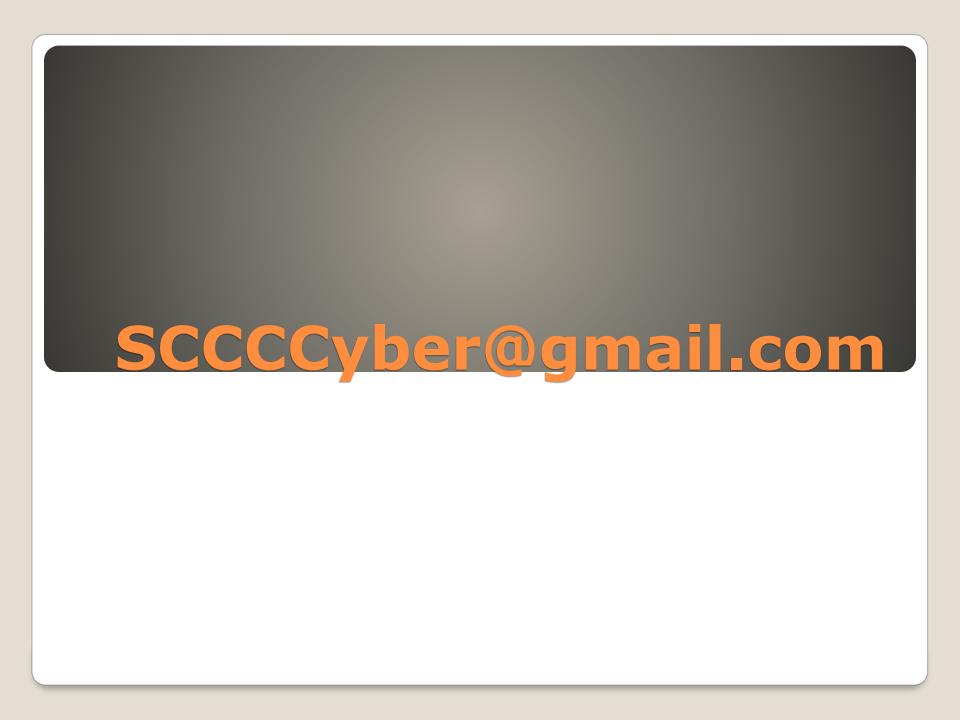
Questions, Issues,
Concerns, Suggestions
Welcome at any time
Even Now

Sun City Computer Club

Cyber Security SIG

July 19, 2018



- Safer not Safe
- E-postcard not e-mail
- ADMINISTRATOR
- Passphrases not passwords
- Radio not wireless

Vocabulary

- USB powered fans at North Korea summit
- Self signed root certificate fortnite
- Certificate store
- Coffee shop Facebook likes
- Cyber extorsion with user's actual passphrase
- Data is a fingerprint Big Data
- Chrome "freeze"
- Crypto miner or ransomware got wallet? Got CPU power?

Current Issues

- Russia DNC hack
- Discarded memory devices
- iOS v11.4.1 restricted USB mode
- Vulnerable routers ftp default passphrase Military
 VPNFilter ICS Modbus

Current issues



Enable Samba Interactive TV

Interact with your favorite shows. Get recommendations based on the content you love. Connect your devices for exclusive content and special offers. By cleverly recognizing on-screen content, Samba Interactive TV lets you engage with your TV in a whole new way.

By enabling, you are agreeing to the Samba TV Terms of Service and Privacy Policy. You can disable Samba Interactive TV at any time from within your TV Settings. Enable

Learn More

View Terms of Service

View Privacy Policy

Disable

SAMBA Smart TV

- Asymmetric cryptography
- Public key tied to IDentity by certificate
- Certificate "Chain of Trust"
- Enterprise filtering web proxy
- Web proxy
- Code signing

Digital Certificate

- iOS set but can add Config Profile
 Settings -> General -> Profiles & Device
 Management
 MDM
- Android
 Settings -> Security -> Trusted credentials
- Amazon fire

Settings -> Settings & Privacy > Credential Storage

MacOS keychain -> system roots

Certificate stores

- Linux etc/ssl/certs /etc/ssl/private
- Windows certmgr

Certificate stores

certmgr - [Certificates - Current User\Trusted Root Certification Authorities\Certificates] Action View Help AddTrust External CA Root Certificates - Current User Personal Baltimore CyberTrust Root Certificates Baltimore CyberTrust Root Certum CA Trusted Root Certification Authorities Certum Trusted Network CA Certificates 🙀 Class 3 Public Primary Certification Authority Enterprise Trust COMODO RSA Certification Authority Intermediate Certification Authorities COMODO RSA Certification Authority Certificate Revocation List Copyright (c) 1997 Microsoft Corp. Certificates DigiCert Assured ID Root CA Active Directory User Object 🕎 DigiCert Global Root CA Trusted Publishers DigiCert Global Root G2 Certificates DigiCert High Assurance EV Root CA Untrusted Certificates DigiCert High Assurance EV Root CA Third-Party Root Certification Authorities DST Root CA X3 Certificates Entrust Root Certification Authority Trusted People Entrust Root Certification Authority - G2 Client Authentication Issuers Entrust.net Certification Authority (2048) ISG Trust Equifax Secure Certificate Authority GeoTrust Global CA Smart Card Trusted Roots GeoTrust Primary Certification Authority GeoTrust Primary Certification Authority - G2 GeoTrust Primary Certification Authority - G3 ■ GlobalSign ■ GlobalSign GlobalSign Root CA Go Daddy Class 2 Certification Authority Go Daddy Root Certificate Authority - G2 GTE CyberTrust Global Root ➡ Hotspot 2.0 Trust Root CA - 03 Microsoft Authenticode(tm) Root Authority Microsoft Root Authority Microsoft Root Certificate Authority Microsoft Root Certificate Authority 2010 Microsoft Root Certificate Authority 2011 NO LIABILITY ACCEPTED, (c)97 VeriSign, Inc. QuoVadis Root CA 2 QuoVadis Root Certification Authority SecureTrust CA Starfield Class 2 Certification Authority Starfield Root Certificate Authority - G2 🔄 Symantec Enterprise Mobile Root for Microsoft Thawte Premium Server CA Thawte Primary Root CA thawte Primary Root CA - G3 Thawte Timestamping CA USERTrust RSA Certification Authority UTN-USERFirst-Object VeriSign Class 3 Public Primary Certification Authority - G3 🔙 VeriSign Class 3 Public Primary Certification Authority - G5 VeriSign Universal Root Certification Authority

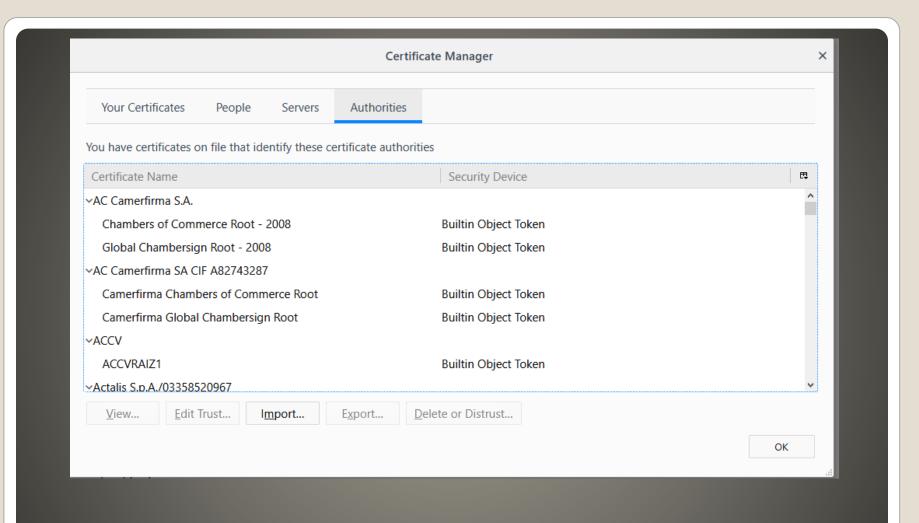
Trusted Root Certification Authorities store contains 51 certificates.

Windows 10 certmgr

- Edge, Chrome, Opera, .. Windows cert store
- Firefox

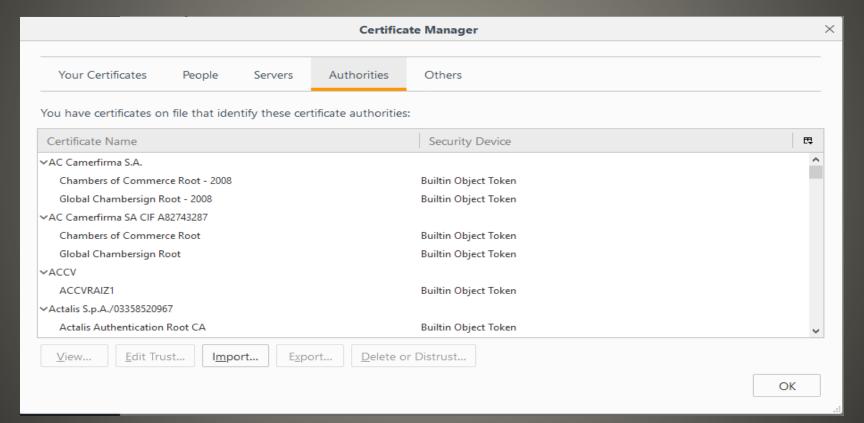
Options -> Privacy & Security -> Certificates

Browsers



Firefox certificate store

TorAdvanced -> Certificates



Other browsers

- Consider vendor certificate
 Dell, Lenovo, HP, etc.
- Administrator
- TRUST

- Questions, suggestions, comments?
- Theamnesicincognitolivesystem tails
- Chicken Little
- Tortoise and hare
- Each of us safer, all of us safer

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