Spyware vs. Spyware

James Grimmelmann

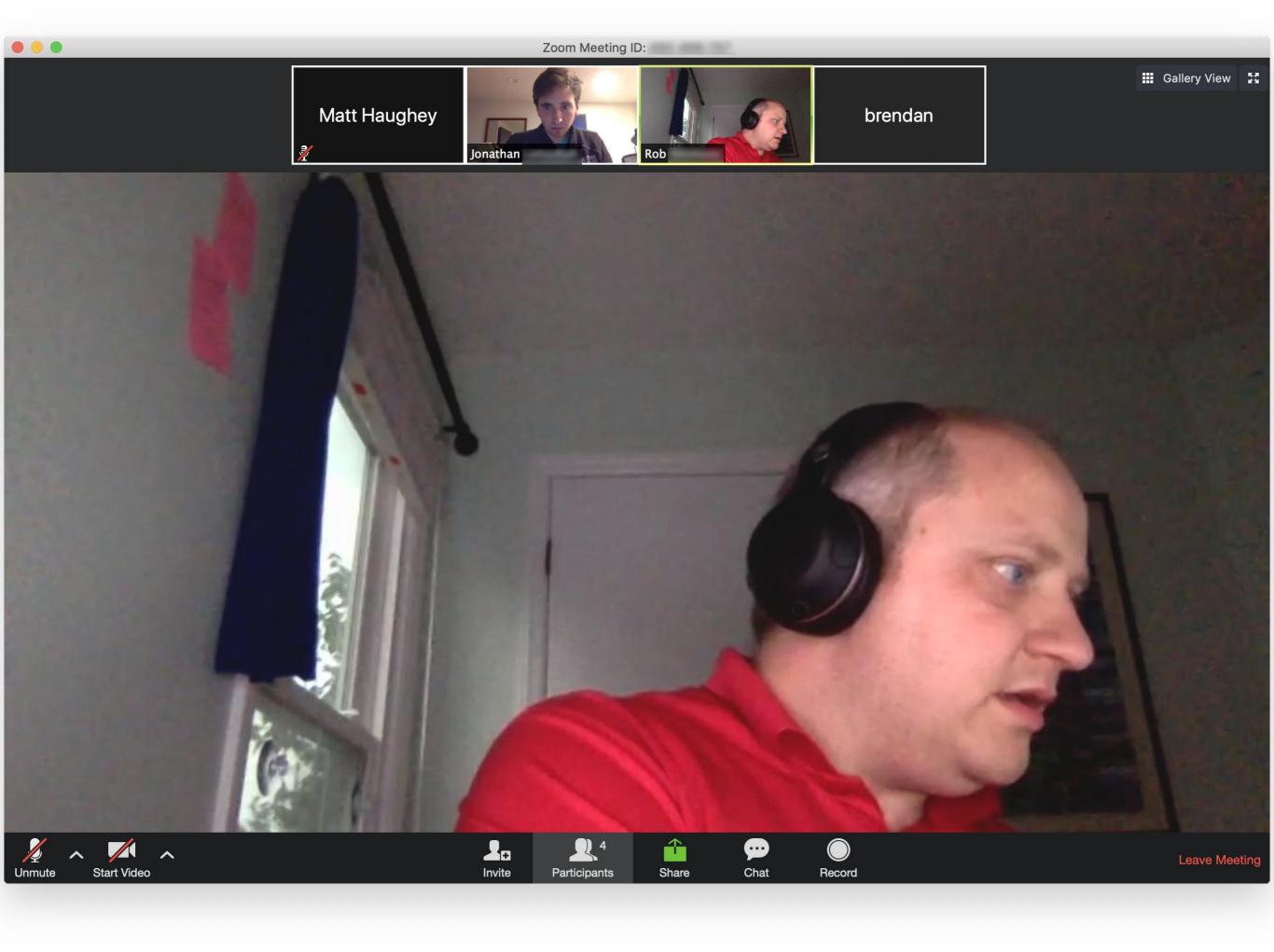
Digital Life Seminar November 7, 2019

In this talk

- Here is a thing
- Why the thing matters
- How to think about the thing
- What to do about the thing

Here is a thing

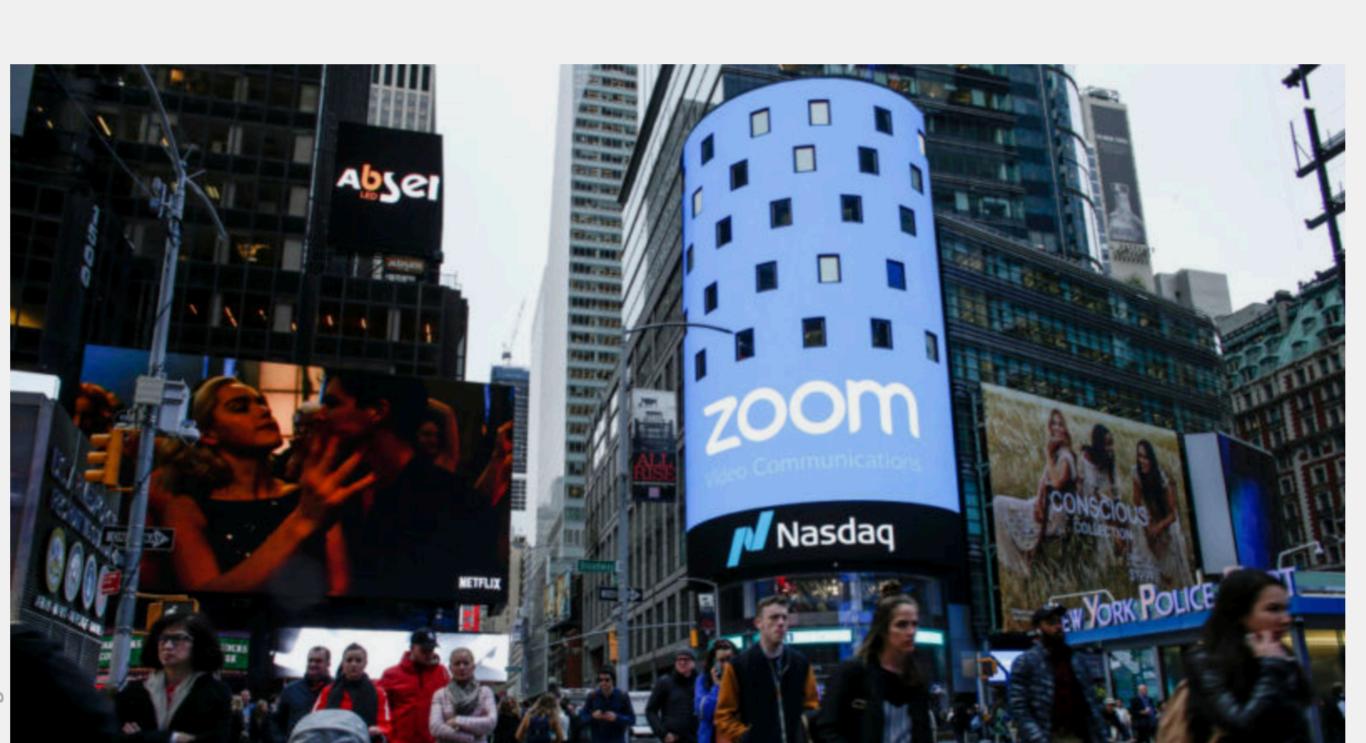


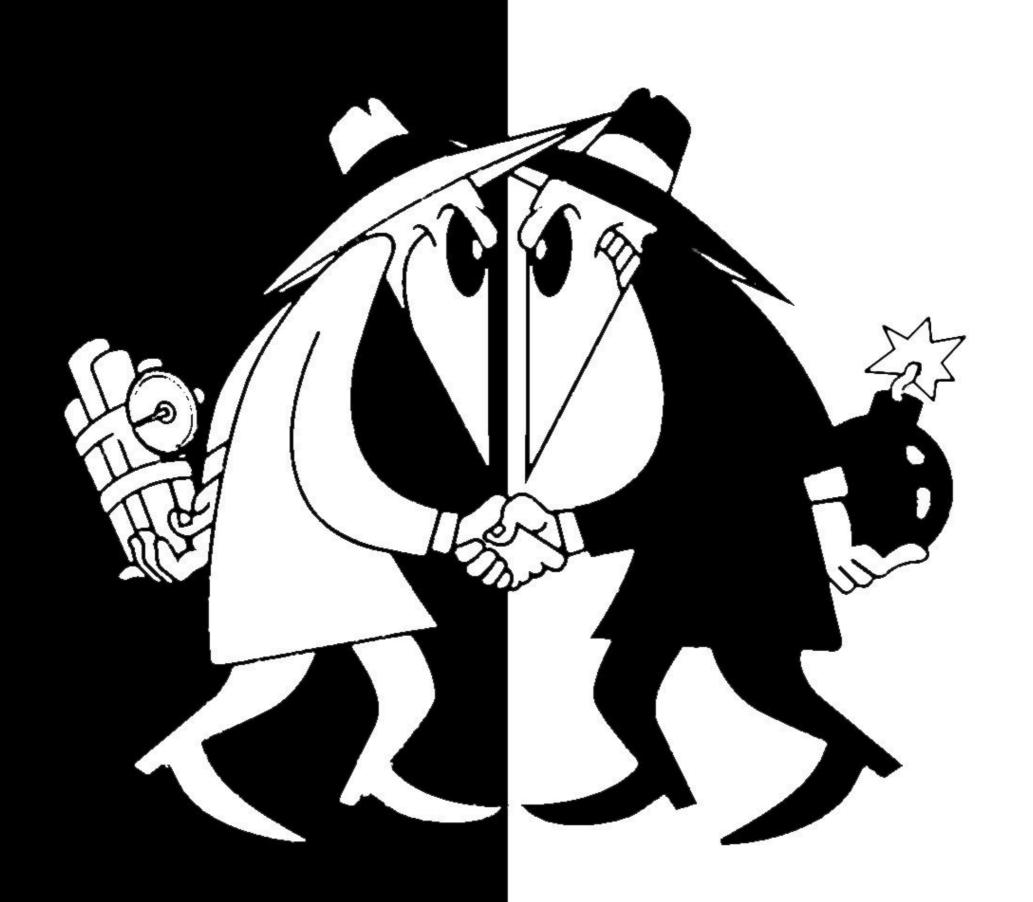


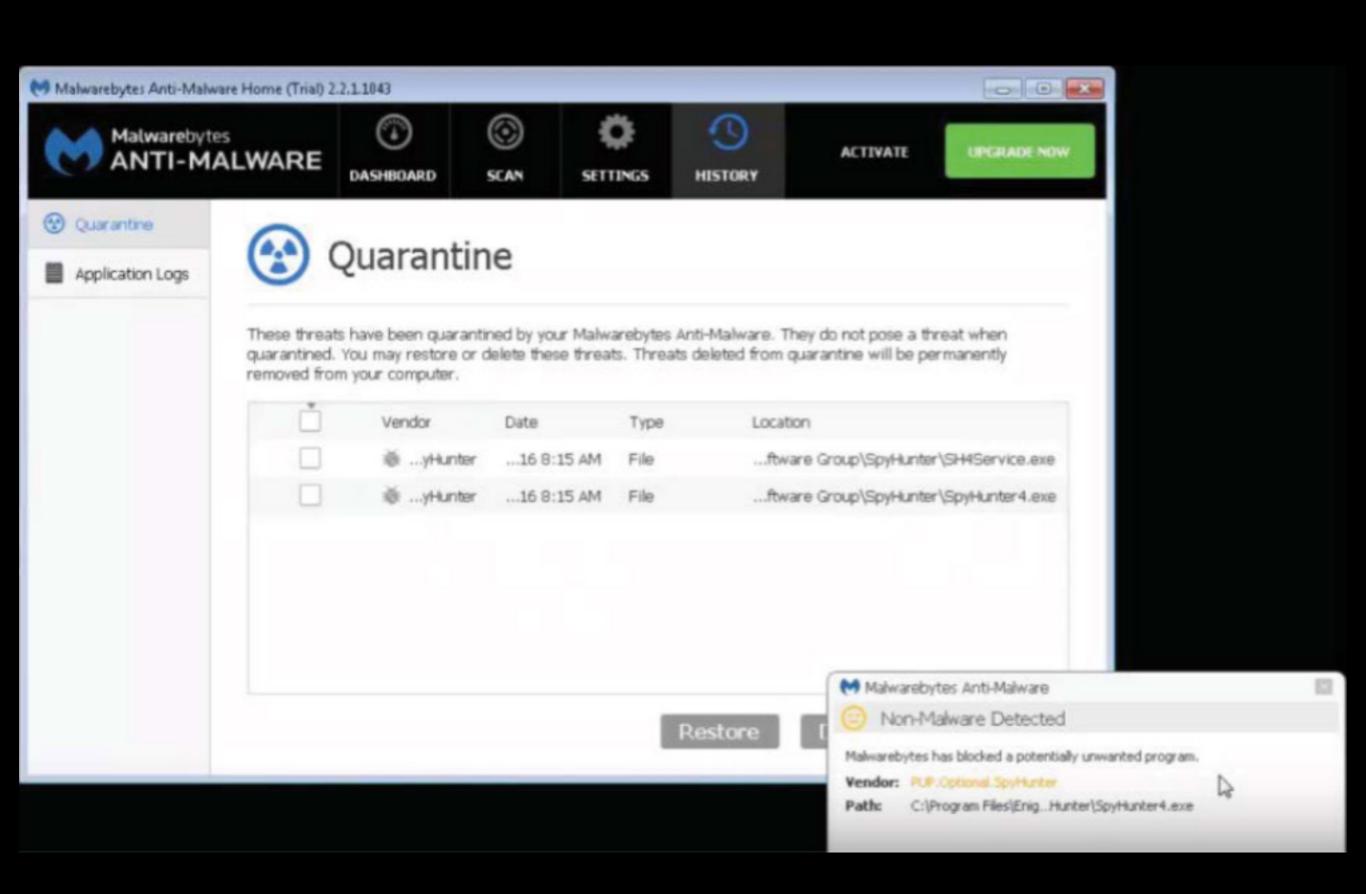
Silent Mac update nukes dangerous webserver installed by Zoom

Fix also requires users to confirm they want to join a Zoom conference.

DAN GOODIN - 7/10/2019, 7:50 PM











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"HandBrake" can't be opened because it is from an unidentified developer.

Your security preferences allow installation of only apps from the Mac App Store and identified developers.

Safari downloaded this file today at 6:44 PM from download.handbrake.fr.



OK

Chimera

Your device, your way.

All devices, iOS 12 — 12.2

Download Chimera 1.2.7 ios 12 — 12.2

Download ChimeraTV 1.2.6 tvOS 12 — 12.2

Note: A7 - A11 devices only supported on 12.1.3 - 12.2. All devices supported on 12.0 - 12.1.2 Note: Some 12.3 betas are compatible with Chimera. (Beta 6 is not compatible)



Mozilla Security Blog

Қазақстандағы пайдаланушыларымызды қорғау

Маусым айында Firefox пайдаланушысы Mozilla ұйымына Қазақстандағы Firefox пайдаланушыларына әсер етіп жатқан қауіпсіздік мәселесі туралы хабарлады: Оның мәлімдеуінше, Қазақстандағы интернет провайдерлері (ISP) тұтынушыларына үкімет берген түбір сертификатты өз құрылғыларына орнату керектігін айта бастады. Интернет провайдерлері өз тұтынушыларына сертификат желілік байланысқа араласу үшін пайдаланылатындығы туралы айтпады. Басқа пайдаланушылар мен зерттеушілер бұл жағдайды растады және оның отыз танымал әлеуметтік желі мен байланыс сайтына ықпалы тиді.

Firefox және басқа браузерлердегі HTTPS шифрланған байланыстарының қауіпсіздігі мен құпиялығы бойынша сенімді сертификаттау органдары (CO) домен немесе веб-



Why the thing matters

Relevant laws

- Unauthorized use
- Breach of contract
- Copyright infringement
- Defamation
- Antitrust
- Deceptive trade practices
- &c.

Program A -

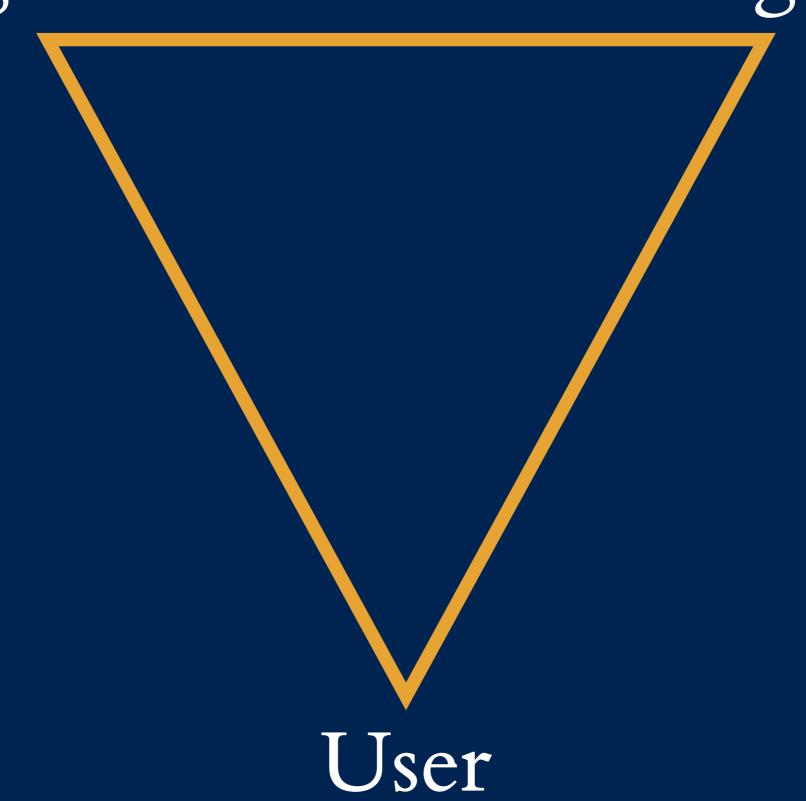
- Program B

Program

User

Program A

Program B

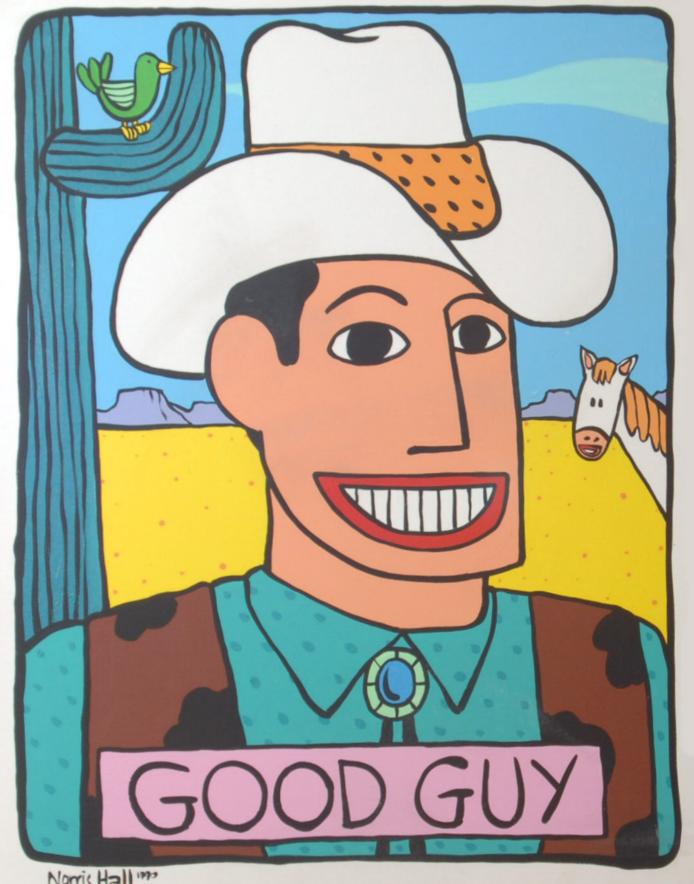


How to think about the thing

Three heuristics

- Bad Programs Are Bad
- Freedom to Tinker
- Click to Agree

Theory 1: Bad Programs are Bad









Payment will be raised on

5/16/2017 00:47:55

Time Left

02:23:57:37

Your files will be lost on

5/20/2017 00:47:55

Time Left

06:23:57:37

Ooops, your files have been encrypted!

What Happened to My Computer?

Your important files are encrypted.

Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am

CLIP Com Mandante Pulden

Send \$300 worth of bitcoin to this address:

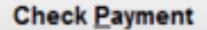
12t9YDPgwueZ9NyMgw519p7AA8isjr6SMw

Сору

About bitcoin

How to buy bitcoins?

Contact Us



Decrypt

English

COMPATIBILITY

SPYSHOP

REVIEWS

MORE

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Know Everything That Happens on A Computer or Smartphone, No Matter Where You Are



- Monitor all Android and iPhone digital and audio communications
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e.



C Rescue

AAA

WARNING!

COMPUTER MAY BE AT RISK:

355-486-1800

nergency Tech Support call immediately

system may have found (2) viruses that pose a serious threat Rootkit.Sirefef.Spy ./ Trojan.FakeAV-Download

> Your personal and financial information may not be secured.

Call us now for support 855-486-1800

9:22 AM Connecting...

🕒 tech support

9:22 AM Connected. A support representative will be with you shortly.

Your desktop is being remote controlled

- 9:23 AM Support session established with
- restarting application as Windows system
- 9:23 AM Connecting...
- 9:23 AM Connected. A support representative will be with you shortly.
- 9:23 AM Connection closed. Attempting reconnection...
- 9:23 AM Application running as Windows system service
- 9:23 AM Support session established with
- revoke, click the red X on the toolbar or press Pause/Break on the keyboard.
- 9:23 AM Remote Control started by

Type here and press Enter to send







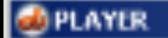








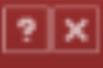




Switchfoot

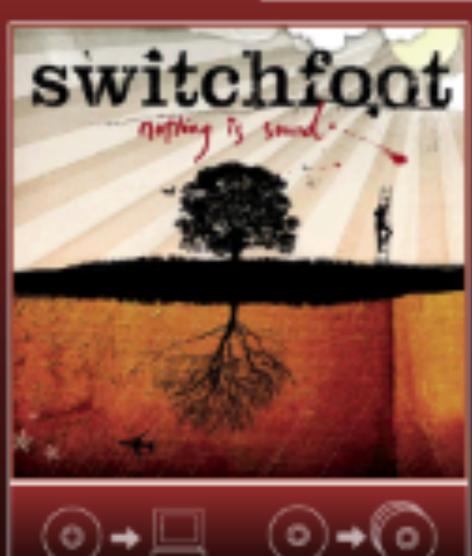
Nothing Is Sound





MUSIC





« 🗆 > » == 11 🎿	
Lonely Nation	03:45
Stars	04:20
Happy Is A Yuppie Word	04:51
The Shadow Proves The Sunshine	05:04
Easier Than Love	04:29
The Blues	05:17
The Setting Sun	04:24
Politicians	03:28
Golden	03:36
The Fatal Wound	02:44
We Are One Tonight	04:42

○→□ **○→**○

Lonely Nation

00:00

CONSUMER ALERT

Please disregard this message if you have already updated the XCP software on this computer.

This CD contains XCP content protection technology. Installing XCP software on your computer may make it vulnerable to certain computer viruses. Click here for a security update to eliminate this vulnerability and for more information about XCP software.



Theory 2: Freedom to Tinker



Level-3 Hardware Acceleration

WinX DVD Ripper Platinum

5 Minutes Only! Digitize Any DVDs with Intact Videos



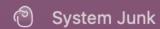


CleanMyMac X



Smart Scan

Cleanup



Mail Attachments

Trash Bins

Protection

★ Malware Removal

Privacy

Speed

† Optimization

Maintenance

Applications

A Uninstaller

மீ Updater

Extensions

Files

Space Lens

Large & Old Files

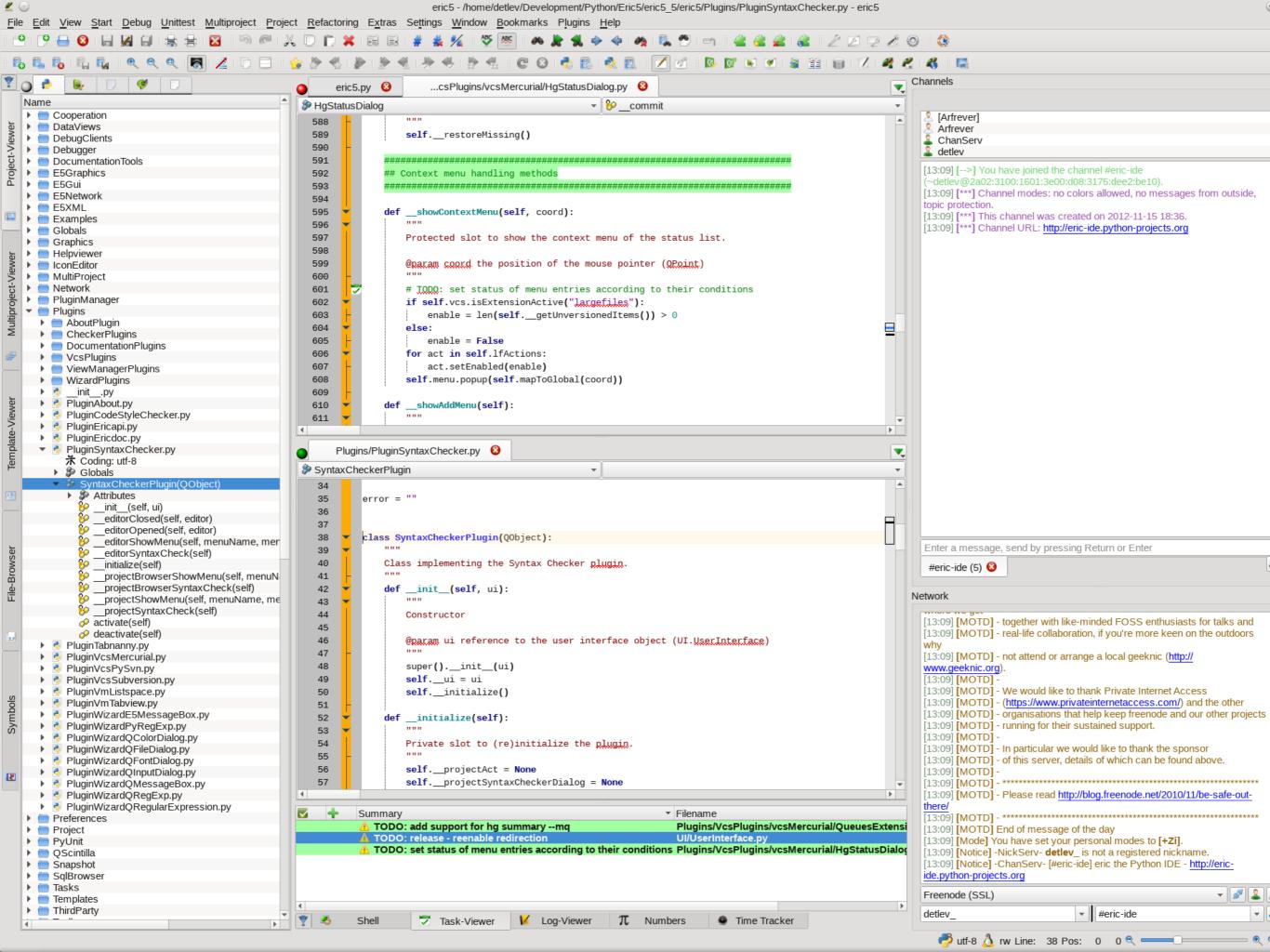
🔐 Shredder



Welcome to CleanMyMac X

Start with a nice and thorough scan of your Mac.

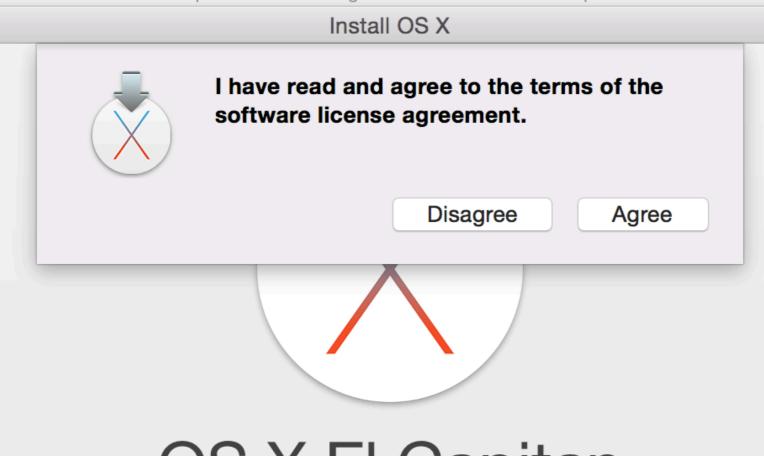












OS X El Capitan

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ENGLISH

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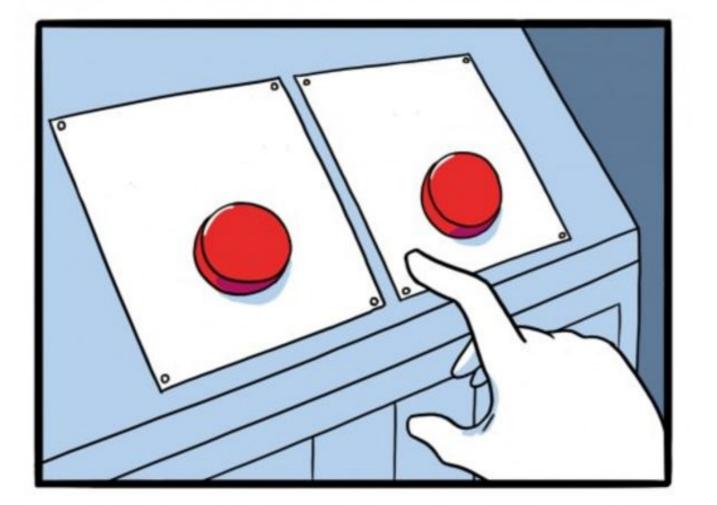
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Disagree





JAKE-CLARK.TUMBLR







- Destinatio
- Installation
- Installation
- Summary



This package will run a program to determine if the software can be installed.

To keep your computer secure, you should only run programs or install software from a trusted source. If you're not sure about this software's source, click Cancel to stop the program and the installation.

Cancel

Continue

Zoom is the leader in modern video communications, with an easy, reliable platform for video and audio conferencing, messaging, and webinars across mobile, desktop, and room systems. Visit blog.zoom.us and follow @zoom_us.

Go Back

Continue

InstallShield Wizard

×

License Agreement

Please read the following license agreement carefully.

Press the PAGE DOWN key to see the rest of the agreement.

1. Consent to E-Mail Your Contacts. As part of the installation process, Permissioned Media will access your MicroSoft Outlook(r) Contacts list and send an e-mail to persons on your Contacts list inviting them to download FriendGreetings or related products. By downloading, installing, accessing or using the FriendGreetings, you authorize Permissioned Media to access your MicroSoft(r) Outlook(r) Contacts list and to send a personalized e-mail message to persons on your Contact list. IF YOU DO NOT WANT US TO ACCESS YOUR CONTACT LIST AND SEND AN E-MAIL MESSAGE TO PERSONS ON THAT LIST, DO NOT DOWNLOAD, INSTALL, ACCESS OR USE FRIENDGREETINGS.

Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install Friend Greetings, you must accept this agreement.

InstallShield

< Back

Yes

No

What to do about the thing











Actual users

- Software vs. software cases involve conflicting expressions of user consent
 - User consent was already problematic
 - This just makes it more obvious
- Good software help users do what they want
 - So software law should focus on users' goals

What do users need?

- Some tasks require delegation to software
- Including protection from other software!
- Users need access to software to do things
- Users need *loyalty* from the software they use

What do users want?

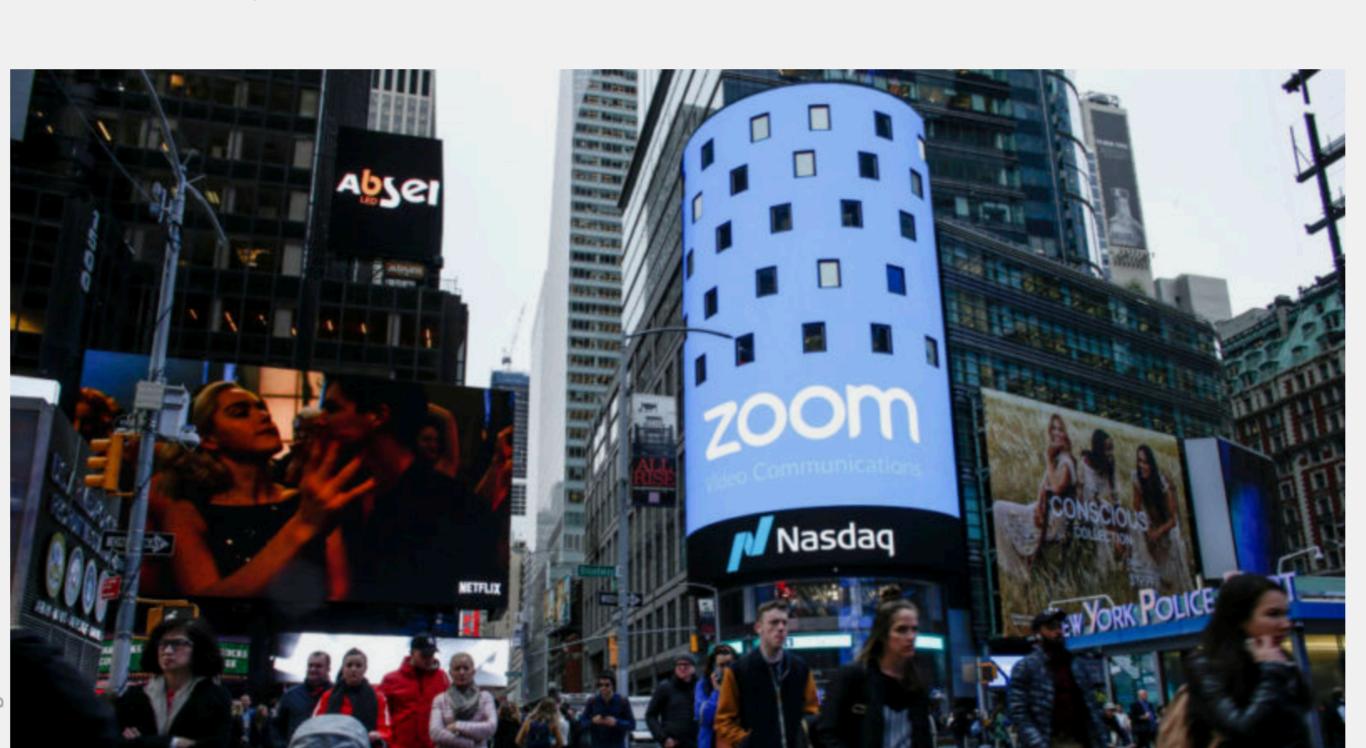
- User choice is an essential value, but ...
 - Some choices are harmful to others
 - Some explicit "choices" are the result of mistake, fraud, or coercion
 - Some choices are implicit
- Click-to-agree is a bad choice architecture

Conclusion

Silent Mac update nukes dangerous webserver installed by Zoom

Fix also requires users to confirm they want to join a Zoom conference.

DAN GOODIN - 7/10/2019, 7:50 PM



What Apple got right

- Users could rationally choose Zoom's server
- Most users did not actually choose it
- Most users would not choose it if they knew
- Automatic security updates with a System
 Preference opt-out are a reasonable balance
 between beneficence and respect

Questions?