PWC G8 Gals@Technology
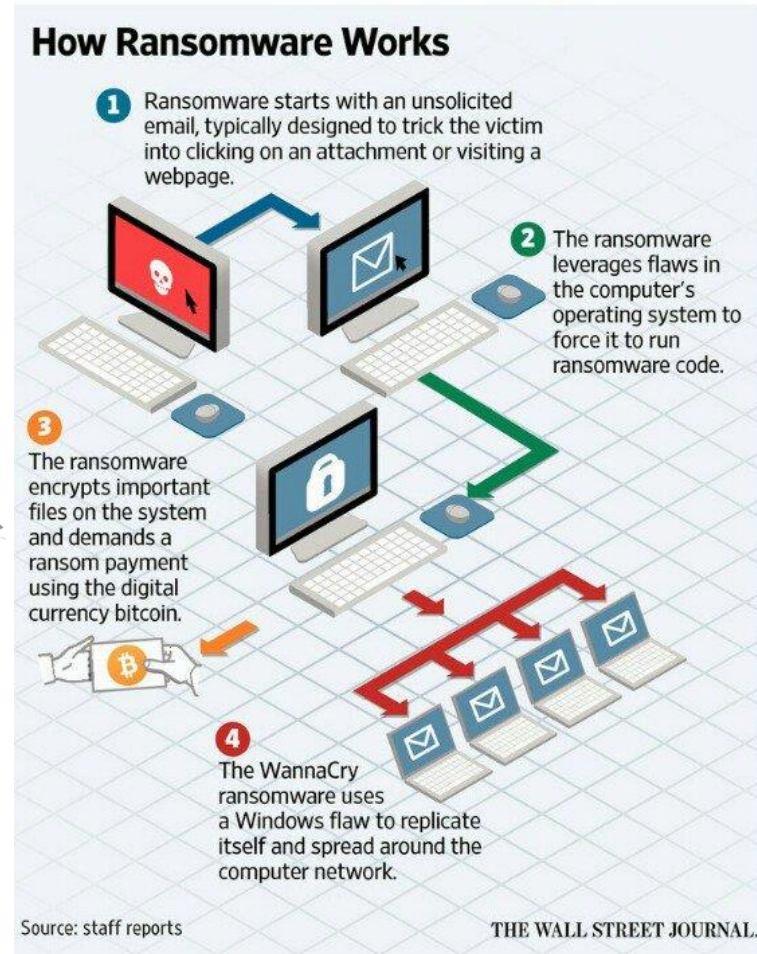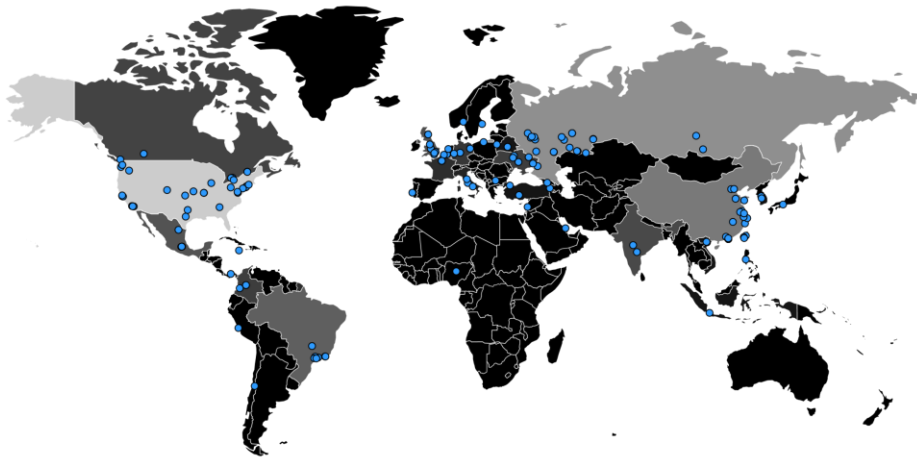

Basic Computer

Maintenance

Current Topics

Ransomware - #WannaCry, #WannaCrypt

"Kill Switch" found
by a Purdue Alum!!

How Ransomware Works

1. Ransomware starts with an unsolicited email, typically designed to trick the victim into clicking on an attachment or visiting a webpage.

2. The ransomware leverages flaws in the computer's operating system to force it to run ransomware code.

3. The ransomware encrypts important files on the system and demands a ransom payment using the digital currency bitcoin.

4. The WannaCry ransomware uses a Windows flaw to replicate itself and spread around the computer network.

Source: staff reports   THE WALL STREET JOURNAL.

Computer Maintenance Issues

- Heat
  - Dust trap heat
  - Blocked airflow
- Mechanical stress/wear
  - Fans
  - Mechanical disk drives
- Old software

Maintenance Checklist

- Fight Off Dust
- Open up and Clean Desktops
- Ensure airflow
- Update Software
- Backup (Scott's rule of 3)
- Current Antivirus/Antimalware
- Run full Antivirus scan
- Uninstall old applications
- Clear internet temporary files (aka cache)

Air-In-A-Can

Tools - iFixit

Fight Off Dust

- Periodic vacuum and Dust-Off
- Clear fan area
- Clear keyboard

Desktops – Open It Up

- Blow out dust
- Check airflow and fans

Airflow

Airflow

Update Software

- Try to stay within 3-5 days of current
  - Operating System
  - Key application

Backup

- Data on your machine
- Copy somewhere else in your house
- Copy somewhere in the Cloud

- More protection is never a bad idea

Current Antivirus

- Current "core software"
- Database updates at least weekly

Run Full Antivirus Scan

- Periodically run a full scan
  - Quarterly
  - Can take many hours

McAfee® | LiveSafe
An Intel Company

✓

« Completed

0%

✳ Full Scan is running

✕

Items: 15925
Scanning: HKCR\...\{CAFEEFAC-0018-0000-0012-ABCDEFFEDCBA}

Hide | Cancel | Pause

☐ Turn off my PC if no threats are found during the scan.

Learn more

Issues Found:

0 Files infected by viruses
0 Potentially unwanted programs

0

Issues Fixed:

0 Files infected by viruses
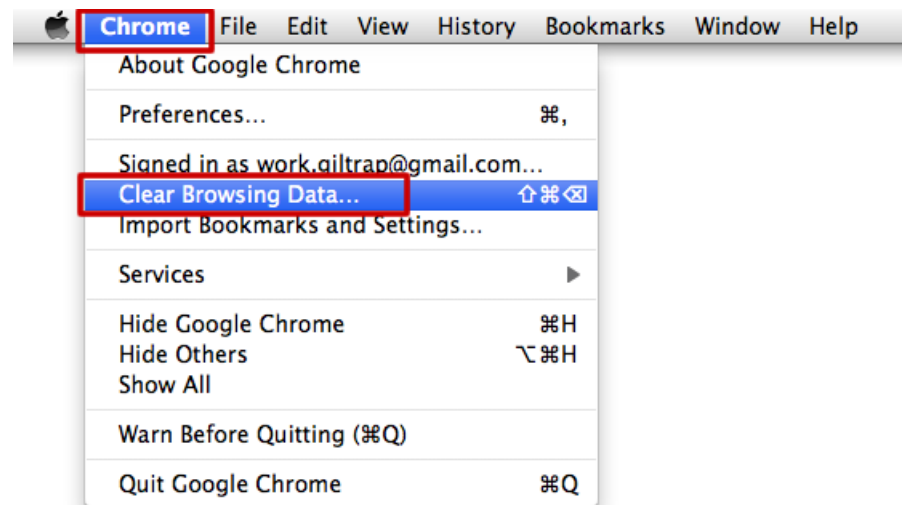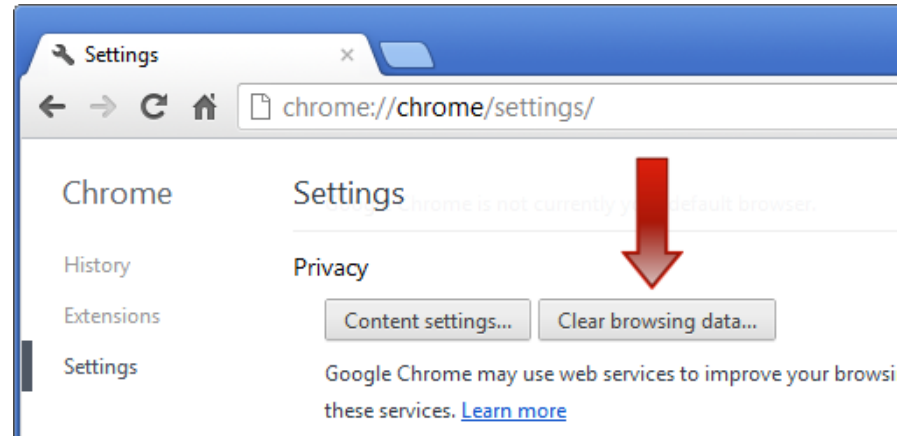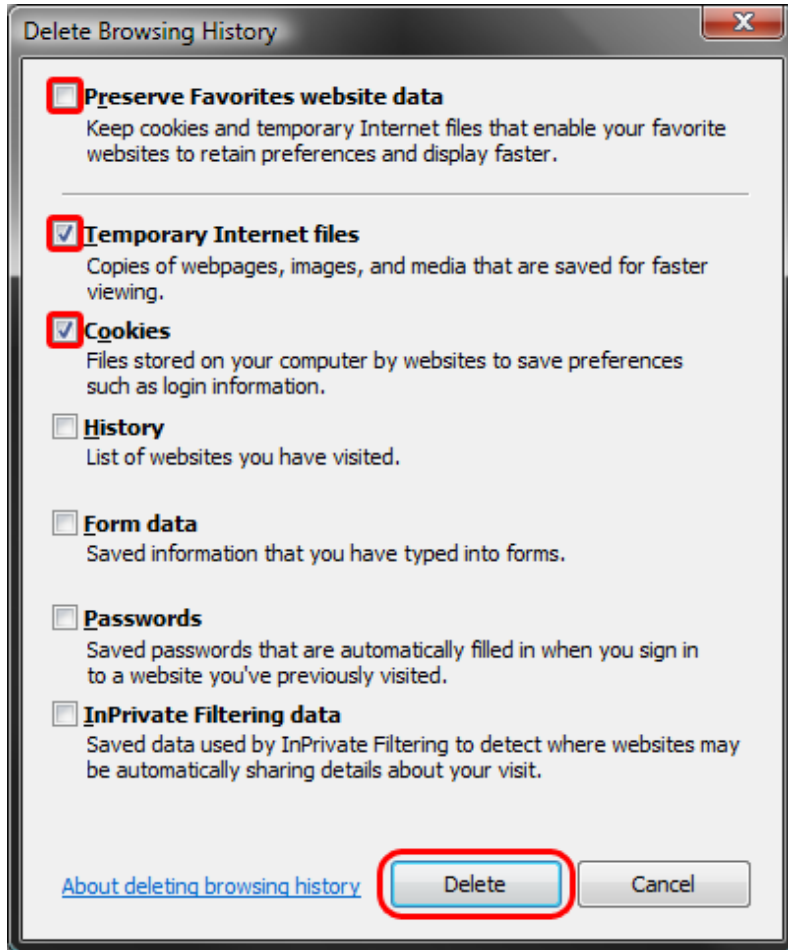0 Potentially unwanted programs

0

Files checked during your last scan:

14,999

Security Report

Clear Internet Cache

Keep Your PC Clean