

Digital Security: Essentials

We are the first generation in human history that can be monitored in such a precise level. We can be monitored digitally throughout our lives. Almost all of our communication can be seen one way or another. We even carry small tracking devices on us all the time – we just don't call them tracking devices, we call them smartphones.'

The Art of Invisibility –

Kevin Mitnick with Robert Vamosi



Think like your “enemies”

Awareness

Who are they? What resources they have?



Reality-check

What are your vulnerabilities? Who will be affected?

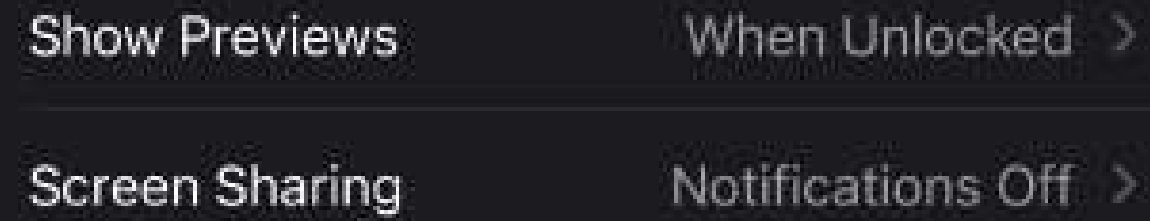


Prevention

What to do to make their job harder?



Devices, apps



Show Previews When Unlocked >
Screen Sharing Notifications Off >

- Set the screen to auto lock after no longer than 1 minute of inactivity
- Disable notification on the lock screen [visible text]



Notifications Show Previews

Always

When Unlocked

Never ✓

Devices, apps

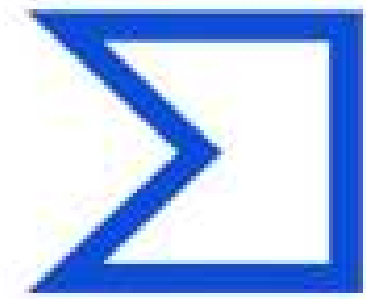
- Pin/Pass code
- Password/Passphrase

Do not use biometrics!

Devices, apps

- Do not leave your devices unattended (travel, borders, coworking spaces...)
- Avoid entering your password in front of others or in public, especially if the area is covered by cameras; check your surroundings
- Do not open links from unknown or unverified sources (phishing)
- Not even from your colleagues
- Use **VirusTotal**, **AnyRun** to check attachments and suspicious links
- Do not share confidential information via untrusted platforms (ID, address, credit card number, picture of your plane ticket and passport!...)





VIRUSTOTAL

Analyse suspicious files, domains, IPs and URLs to detect malware and other breaches, automatically share them with the security community.

FILE

URL

SEARCH



Choose file

Passwords

- <https://howsecureismypassword.net/>
-
- <https://haveibeenpwned.com/>
-
- Use Keepass / Lastpass / bitwarden



belgrade

bElgradE

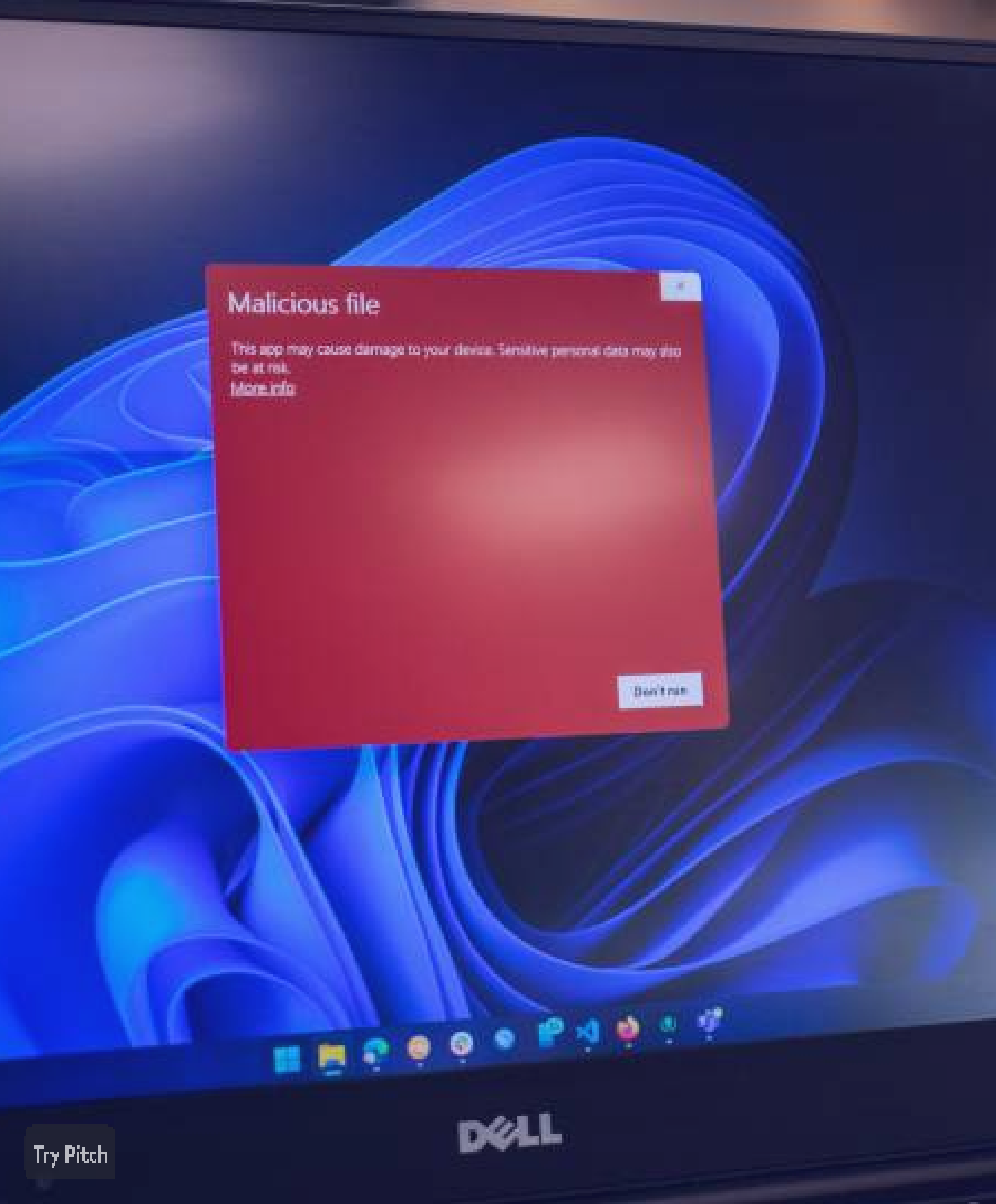
!bElgradE!

!b.E.l.g.r.a.d.E!

19!b.E.l.g.r.a.d.E!90

Hygiene

- Update apps, software regularly
- Use antivirus
- Malwarebytes
- Adblock, Adblock Plus..
- Turn off location tracking on all devices, applications, in the browser
- Check if your device had been affected (Amnesty International's Mobile Verification Toolkit)



Think smart

Something you know + something you have



Two-Factor Auth

Require for all access



Data Encryption

Protect sensitive information



Gadgets

YubiKey



Encrypted communication

Signal (phone & desktop) – open source

End to end encryption as default ; Reduced volume of metadata collected; Possibility of adding PIN code ; Disappearing messages



Emails

Protonmail; Thunderbird



Encrypt your device

Phone

iOS - automatically with Passcode and latest software

Android - manually



Computer

Windows - Bitlocker, Veracrypt

MacOS - FileVault

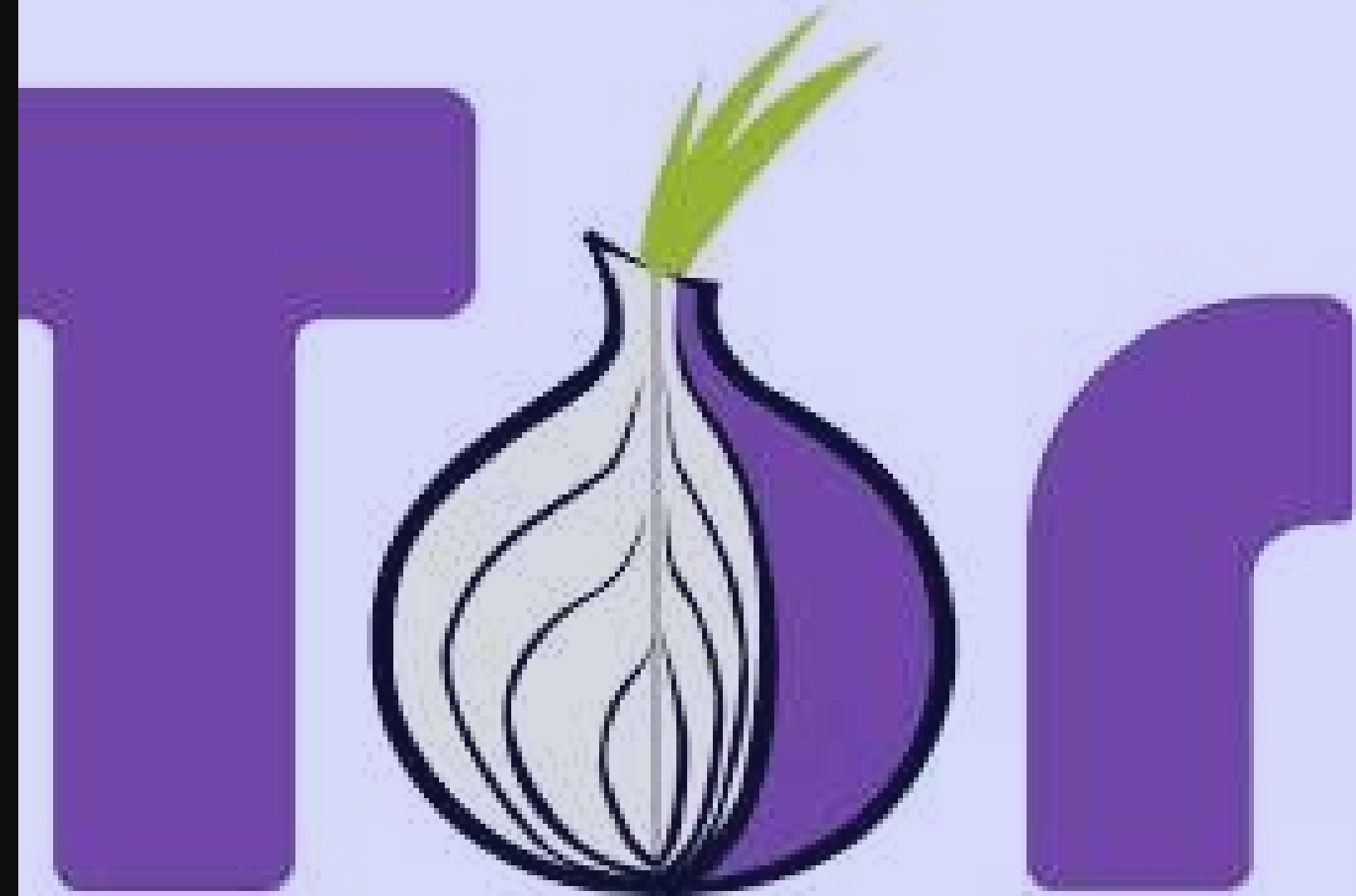


Safe browsing

VPN (Virtual Private Network)

Torproject.org

- Android: Orbot, Orfox
- Iphone: Onionbrowser.com



Attack



- Directed at you or someone close to you (spear phishing)
- Part of a broader action (ransomware, identity thefts, credit cards etc)

Alert your supervisors



In cases where there are no security guidelines alert your colleagues/affected parties; find an expert

Are there security guidelines?



Learn from mistakes and share knowledge with your colleagues

Logout and change all your passwords

Thank you!



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