FORTIFY
Institute

CYBERSECURITY

What SMEs Need to Know

CYBER TOOLKIT

Jan Carroll - Fortify Institute - jan@fortifyinstitute.com

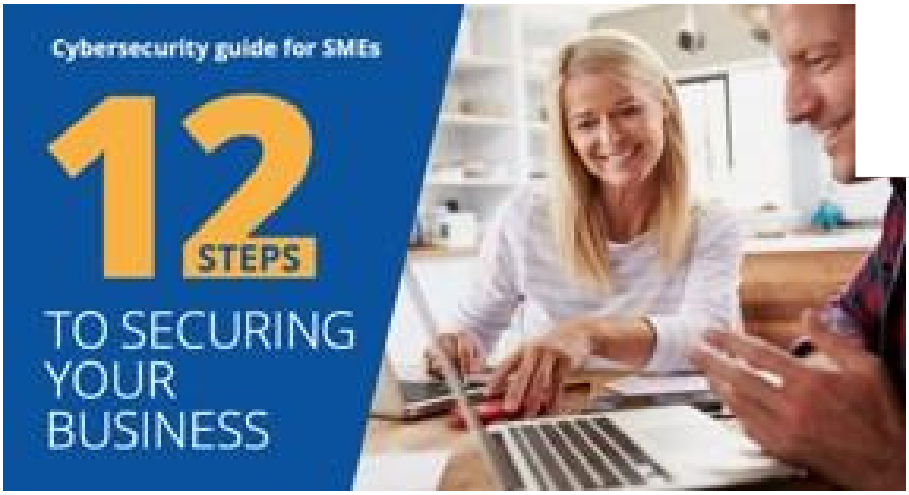
CONTENTS

Where to start?

FORTIFY Institute

WHERE TO START?

ENISA (European Union Agency for Cybersecurity)



This guide provides SMEs with practical 12 high level steps on how to better secure their systems and their businesses.

Link

https://www.enisa.europa.eu/publications/enisa-report-cybersecurity-for-smes

Further resource

National Cyber Security Centre - Cyber Security for Small Business

Link

https://ncsc.gov.ie/pdfs/NCSC-SME-Guidance-0225.pdf

FORTIFY Institute

Jan Carroll - Fortify Institute - jan@fortifyinstitute.com

HIT BY RANSOMEWARE?

If your organisation has been infected with malware, these steps may help limit the impact:

1. Immediately disconnect the infected computers, laptops or tablets from all network connections, whether wired, wireless or mobile phone based.
2. In a very serious case, consider whether turning off your Wi-Fi, disabling any core network connections (including switches), and disconnecting from the internet might be necessary.
3. Reset credentials including passwords (especially for administrator and other system accounts) - but verify that you are not locking yourself out of systems that are needed for recovery.
4. Safely wipe the infected devices and reinstall the OS.
5. Before you restore from a backup, verify that it is free from any malware. You should only restore from a backup if you are very confident that the backup and the device you're connecting it to are clean.
6. Connect devices to a clean network in order to download, install and update the OS and all other software.
7. Install, update, and run antivirus software.
8. Reconnect to your network.
9. Monitor network traffic and run antivirus scans to identify if any infection remains.

Incident Reporting:

Contact the National Cyber Security Centre and An Garda Siochana to report the incident – guidance here:

https://www.ncsc.gov.ie/incidentreporting/

Further Resources:

https://www.ncsc.gov.ie/pdfs/NCSC_Quick_Guide_Ransomware.pdf

https://www.nomoreransom.org/en/index.html

FORTIFY Institute

Jan Carroll - Fortify Institute - jan@fortifyinstitute.com

PHISHING - SCAMS, EMAILS, TEXTS & PHONECALLS

Email:

Be wary of any requests to update or verify account information.

Be wary of any sense of urgency.

Trust your gut!

Call the person if you're unsure.

Do the test below

Text:

Don't install an app from a text link. What if you do?

https://cyberawarenessireland.com/flubot-infographic

Calls:

Avoid unknown or blocked numbers.

If you answer, they ask for sensitive information or know some of your information, call them back from a number you sourced.

Trust your gut.

Can you spot when you're being phished?

This is an excellent resource from Google

Jan Carroll - Fortify Institute - jan@fortifyinstitute.com

CYBER AWARENESS TRAINING

Resources

Why Awareness training is vital.

https://cyberawarenessireland.com/what-we-know-so-far

Free, quality training and certification

https://cyberreadinessinstitute.org/

Introduction to Cybersecurity

Free course from ECollege.ie

https://www.ecollege.ie/all-courses/cyber-security

Recent article detailing cybersecurity training in Ireland.

Cybersecurity Training and Education in Ireland – Where do I start?

There is a global shortage of cybersecurity professionals and with data breaches and ransomware attacks on the rise, the industry is crying out for quality individuals to fill the roles. In...

https://www.fortifyinstitute.com/blog/cybersecurity-training

FORTIFY Institute

Jan Carroll - Fortify Institute - jan@fortifyinstitute.com

CYBER INCIDENT RESPONSE PLAN

Excellent resources recently published by CyberScotland. Can be easily adapted.

Developing an incident response plan is a critical step towards preparing a robust and effective incident management and technical response capability.

Good incident management will help reduce the financial and operational impact on your business.

Cyber Incident Response Plan Template

https://www.cyberscotland.com/developing-an-incident-response-plan/

The documents will compliment any existing Incident Response Plan or assist you in creating one.

FORTIFY Institute

Jan Carroll - Fortify Institute - jan@fortifyinstitute.com

HAS YOUR EMAIL BEEN IN A BREACH?

Go to this link:

https://haveibeenpwned.com/

- Check your emails to see if they have appeared in a breach. It's a safe site.
- If your email has been included in a breach – change your password and set up MFA.
- Sign up for alerts so if your email appears in future you will be notified.
- Register your domain, so any if any emails with your domain appear in future breaches, your will be notified.

FORTIFY Institute

Jan Carroll - Fortify Institute - jan@fortifyinstitute.com

CYBER AWARENESS VIDEOS

Resources

- Social Engineering
  https://www.youtube.com/watch?v=BEHl2lAuWCk

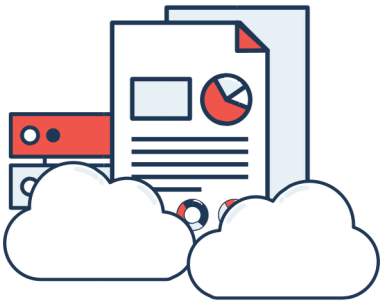
- Ransomeware
  https://www.youtube.com/watch?v=j0EZpH_eIsY

- Passwords – This one is funny!
  https://www.youtube.com/watch?v=z_HmDP3lKMI

FORTIFY Institute

Jan Carroll - Fortify Institute - jan@fortifyinstitute.com

FURTHER RESOURCES



Resources

- Excellent support and information for SMEs including a free Risk Assessment - https://cyberresilience.ie/

- Ireland's National Cyber Security Centre **https://www.ncsc.gov.ie/**

- UK National Cyber Security Centre **https://www.ncsc.gov.uk/**

- Ireland's Cybersecurity cluster. **https://cyberireland.ie/**

- Cyber Incident Response Plan Template **https://www.cyberscotland.com/developing-an-incidentresponse-plan/**

FORTIFY Institute

Jan Carroll - Fortify Institute - jan@fortifyinstitute.com