Cyber Security Awareness

Academic Freedom vs. Operations vs. Security

CERN Computer Security Team

“Protecting Office Computing, Computing Services, GRID & Controls”
► Security is a strong as the weakest link.
There is no 100% security.

► CERN’s reputation and operation are at stake...
...incl. your computer, data & documents.

► In CERN’s academic environment (as at home)
You are responsible for the security of your computers, files, programs, services, ...
— we are not.

► What comes next applies to CERN — and home!
Protect your passwords

A cybercriminal, who knows your password, will abuse your computing account

Un cybercriminel, qui connaît votre mot de passe, abusera de votre compte informatique
Your password is yours — only yours.

- Make it complex.
- Do not reuse it.
- Change it regularly.
- Also consider other credentials.
Be careful with e-mail & Web

Soyez prudent avec les e-mails et le Web

Cybercriminals are trying to trick you!
Les cybercriminels essaient de vous piéger!
Be careful with e-mail & Web

Soyez prudent avec les e-mails et le Web

Stop — Think — Click.

- Do not open unexpected or suspicious links, e-mails or attachments.
- Do not install untrusted software or plug-ins.
Protect your computers

Protégez vos ordinateurs

Any unprotected computer connected to the Internet is likely to be infected within minutes!

Tout ordinateur sans protection connecté à Internet est susceptible d’être infecté en quelques minutes!
Keep all your systems and software up-to-date.

Run anti-virus software.

Do not install untrusted software.

Lock your screen with a password when leaving.
Protect your files & data
Protégez vos fichiers et données

Cybercriminals are trying to find confidential or sensitive information, also here at CERN
Les cybercriminels essaient de trouver des informations confidentielles ou sensibles, au CERN aussi
Restrict access to your documents and folders.

Follow the principle of least privilege.
Respect copyright

Don’t break the law!
N’enfreignez pas la loi!
Do not distribute or share copyrighted material.

Refrain from file sharing applications and file hosting services.
Follow the computing rules
Suivez les règles informatiques

Help us to protect CERN's mission and reputation
Aidez-nous à protéger la mission et la réputation du CERN
You committed to adhere to the Rules.

Your activity must not be illegal, commercial, political, offensive, ...

Not allowed: consultation of porn or other illicit material.
CERN Computer Security Announcements
(Previous announcements are here.)

Security needs you

"Academic freedom is a valuable thing, but like any kind of freedom, it comes with responsibility... It is the responsibility of all of us, not just the experts in the IT Department, to protect our IT infrastructure while striking the right balance between security, academic freedom and the unfettered operation of our facilities... At CERN, security is not complete without you."

(Read more in the CERN Bulletin)

Overview

At CERN, due to its unique academic environment and the associated academic freedom, computer security has been delegated to CERN's users:

At CERN, the individual users are in first instance responsible for securing their computers, networks, data, systems & services.
Don’t reinvent the wheel.

Focus on your core work.

Delegate your responsibility!
Use central IT services &
Let IT take care of security.

Get training and help:
https://cern.ch/security
Computer.Security@cern.ch
What links to www.ebay.com?

- http://www.ebay.com/cgi-bin/login?ds=1%2e%31%33%38%2e%31%33%37%2e%31%37%37/p?uh3f223d
- http://www.ebay.com/ws/eBayISAPI.dll?SignIn
- http://secure-ebay.com

This is not even obvious for Expertss!