

# Securitatea cibernetică

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# Obiective:

- ▶ Avantajele și dezavantajele/riscurile navigării pe internet
- ▶ Ce este securitatea cibernetică
- ▶ Tipurile securității cibernetice
- ▶ Tipurile de amenințări
- ▶ De unde provin amenințările
- ▶ Importanța securității cibernetice

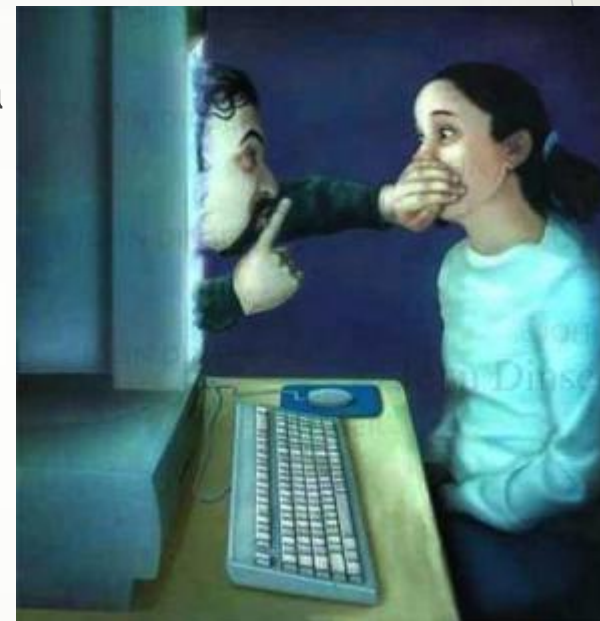
# Beneficiile internetului

- ▶ Acces foarte rapid și facil
- ▶ Comunicare, Socializare
- ▶ Instruire
- ▶ Comerț electronic
- ▶ Publicitate
- ▶ Economie de timp



# Dezavantajele/Riscurile internetului

- ▶ Calitatea și veridicitatea informațiilor este nesigură
- ▶ Infracțiunile/ilegalitățile/fraudele
- ▶ Informațiile personale nu sunt în siguranță
- ▶ Identitatea virtuală nu coincide cu cea reală



# Ce este securitatea cibernetică?



# Tipuri de securitate

# Securitatea informației





# Securitatea rețelei



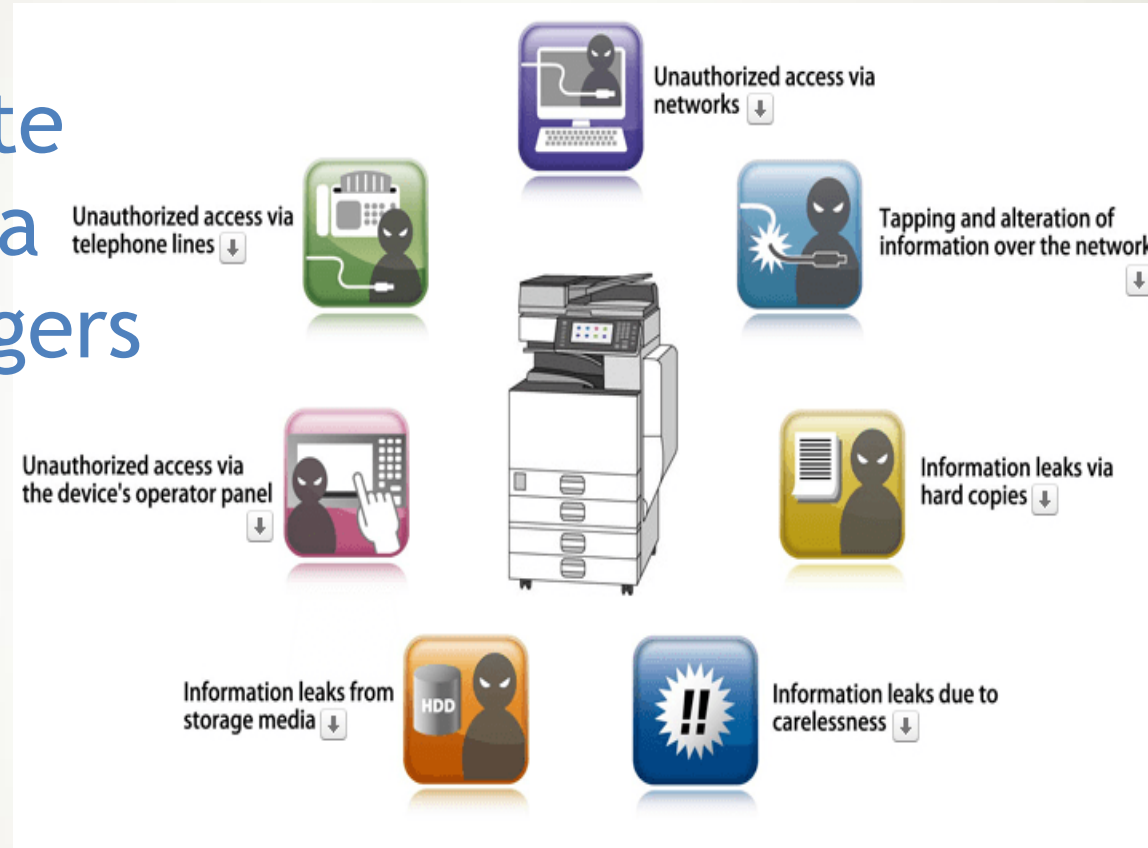


# Securitatea aplicațiilor



# Tipuri de amenințări la adresa securității digitale

1. Viruși
2. Furtul de identitate
3. Atacurile de parola
4. Spyware si Keyloggers
5. Adware
6. Trojans
7. Ransomware
8. Browser Hijacker
9. Phishing Emails



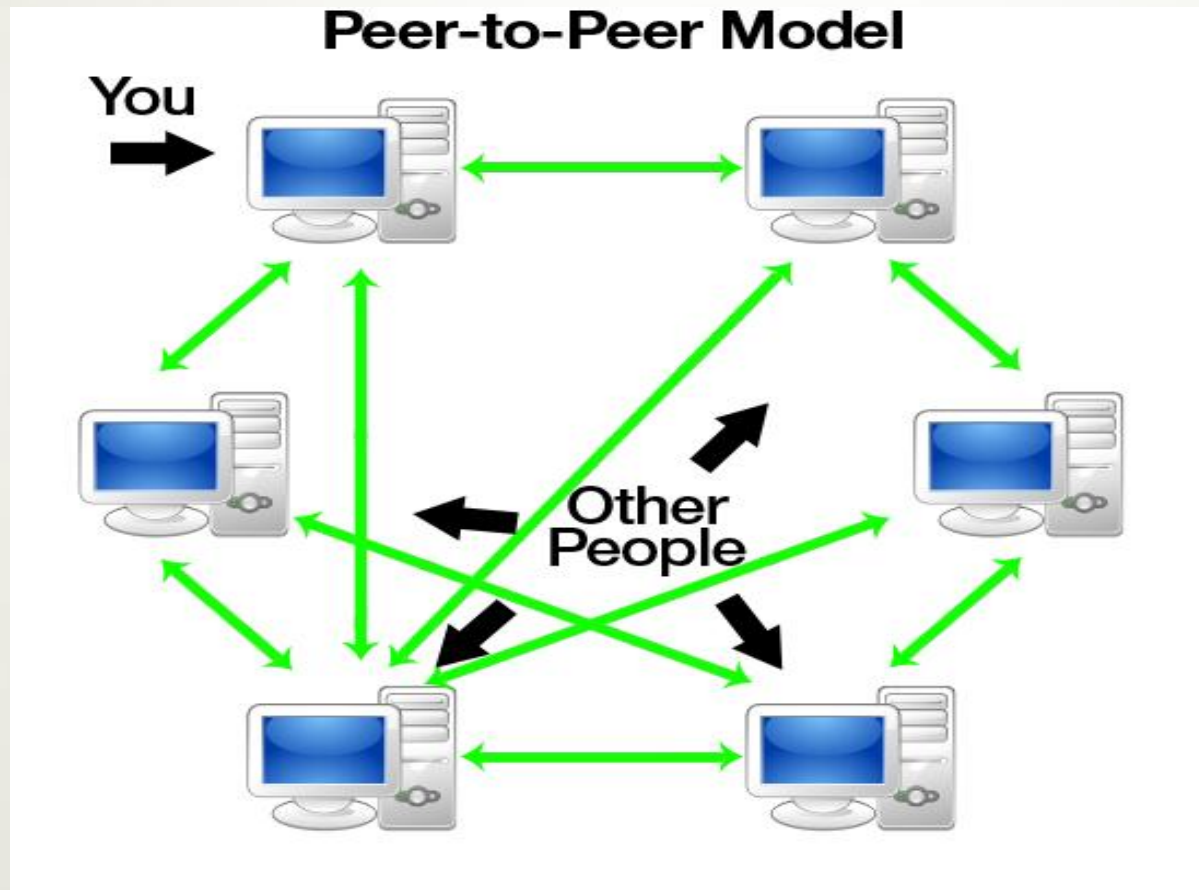
**De unde provin  
amenințările la adresa  
securității digitale?**

# 1.Site-uri suspecte





## 2. Permiteea partajării de fișiere prin rețeaua peer to peer (P2P)



### 3.Descărcările torrent



# 4. Emailurile de tip phishing

## How a phishing scam works:

1. Cybercriminal sends Joe an email with a link or an attachment that appears legitimate



From: Saint Louis University <badguy@slu.edu>  
Date: Mon, Jun 15, 2015 at 5:34 AM  
Subject: SLU ALERT: Account Verification  
To: joe@slu.edu

Dear User,

The security of your email account is our primary concern

Recently, we are performing an emergency mail maintenance on our email network.

To avoid unauthorized access to student and staff account.

We therefore, implore you to verify your account by visiting our secure site  
<http://www.slu.edu>

Thank you.

Saint Louis University Technical Service

2. Joe clicks malicious link or opens malicious attachment



4. Malware spreading across the SLU network and access to additional University and personal resources compromised

3. Malware may now be downloaded to Joe's computer, which may cause the following:

- Compromised password
- Unauthorized access to important personal or University data
  - Loss of integrity to research data
  - Exposed protected health information (PHI)
- Exposed social security numbers and other personally identifiable information (PII)
- Unauthorized access to personal banking (especially if you have the bad practice of using the same password for SLU and personal accounts)
- Compromised email account that can then forward malicious emails to all of Joe's contacts which may lead to .....

INFOSECURITYTEAM@SLU.EDU

Hello!

As part of our security measures, we regularly screen activity in the Facebook system. We recently contacted you after noticing an issue on your account.

Spelling

Our system detected unusual Copyrights activity linked to your Facebook account , please follow the link bellow to fill the Copyright Law form:

[http://www.facebook.com/application\\_form](http://www.facebook.com/application_form)

Links in email

Note: If you dont fill the application your account will be permanently blocked.

Threats

Regards,

Facebook Copyrights Department.

Popular company

# De ce este securitatea cibernetică importantă?





# Sfârșit

