



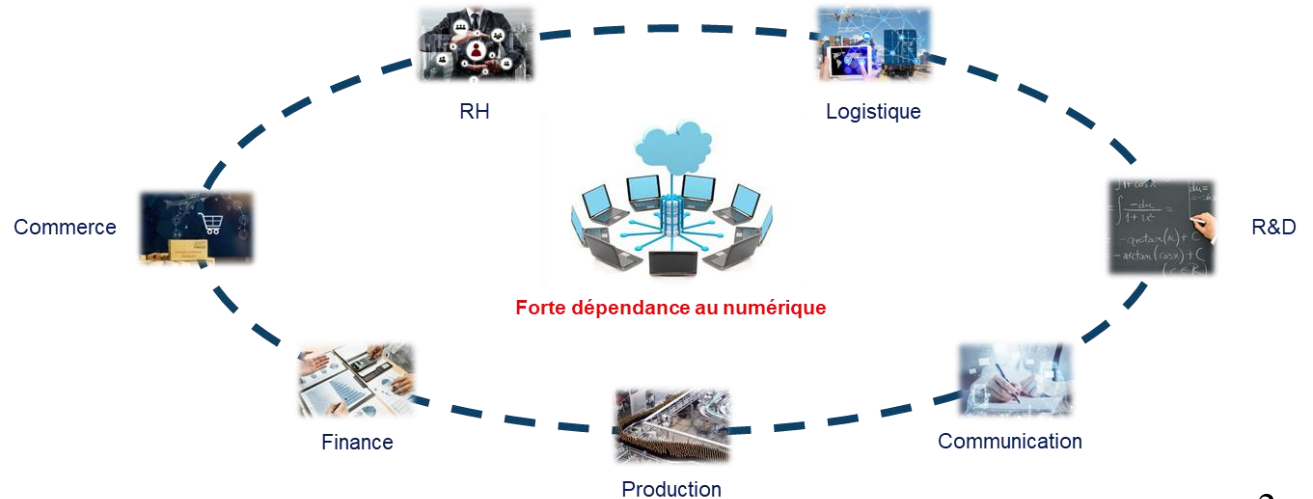
RÉGION
**Nouvelle-
Aquitaine**

CAMPUS RÉGIONAL DE
3 CYBERSÉCURITÉ ET DE
CONFIANCE NUMÉRIQUE
Nouvelle-Aquitaine

Aujourd'hui : un contexte numérique facilitateur

- ✓ 4,8 milliards d'internautes sur 7,8 milliards d'humains (60%)
- ✓ 5,2 milliards d'utilisateurs de mobiles
- ✓ 3,8 milliards d'utilisateurs de réseaux sociaux

Sources : ONU, Live Stat... 2020



Cyberespace : Le nouveau Champ de Bataille



- Un espace sans Frontière
- Universel
- Anonyme
- En dehors du champ juridique

Le CyberEspace desinhibe les velléités offensives des personnes ou états

Les motivations

APPÂT DU GAIN



ESPIONNAGE



SABOTAGE

```
A problem has been detected and windows has been shut down to prevent damage to your computer.

The system encountered an uncorrectable hardware error.

If this is the first time you've seen this Stop error screen, restart your computer. If this screen appears again, follow these steps:

Check to make sure any new hardware or software is properly installed. If this is a new installation, ask your hardware or software manufacturer for any Windows updates you might need.

If problems continue, disable or remove any newly installed hardware or software. Disable BIOS memory options such as caching or shadowing. If you need to use Safe Mode to remove or disable components, restart your computer, press F8 to select Advanced startup options, and then select Safe Mode.

Technical information:
=== STOP: 0x00000124 (0x00000000,0x8E60B020,0xF2000040,0x00000800)

Collecting data for crash dump ...
Initializing disk for crash dump ...
Beginning dump of physical memory.
Dumping physical memory to disk: 100%
Physical memory dump complete.
Contact your system administrator or technical support group for further assistance.
```

Les types d'attaque

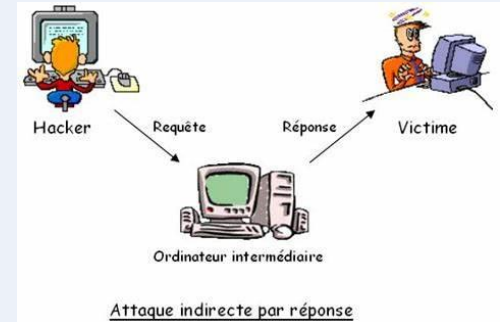
RANÇONGIELS



ESCROQUERIES



ATTAQUES INDIRECTES



QUELQUES INCIDENTS EN NOUVELLE AQUITAINE...



TV7
Rechercher La chaîne Podcasts

SUD
OUEST

MA VILLE ACTUALITÉ DÉCLIC LA SÉLECTION FAITS DIVERS SPORT

Réservé aux abonnés

En Gironde, les transporteurs Guy victimes d'une grave cyberattaque : <

Lecture 1 min

Accueil • Faits divers

Cdiscount : un haut responsable mis en examen après un vol de données de clients

Il aurait téléchargé les informations de tous les clients du site sur les deux dernières années et les aurait proposés à la vente.

Cdiscount



Internet : une masse d'information a disposition des cyberattaquants

[Home](#)[Notify me](#)[Domain search](#)[Who's been pwned](#)[Passwords](#)[API](#)[About](#)[Donate !\[\]\(3cb60d42b10e53f9522bb0b392c1c4cd_img.jpg\)](#)

';--have i been pwned?

Check if your email address is in a data breach

Using Have I Been Pwned is subject to [the terms of use](#)



Generate secure, unique passwords for every account

[Learn more at 1Password.com](#)

[Why 1Password?](#)

754

pwned websites

12,995,059,572

pwned accounts











115,769

pastes











228,884,627

paste accounts

Largest breaches

	772,904,991 Collection #1 accounts
	763,117,241 Verifications.io accounts
	711,477,622 Onliner Spambot accounts
	622,161,052 Data Enrichment Exposure From PDL Customer accounts
	593,427,119 Exploit.In accounts
	509,458,528 Facebook accounts
	457,962,538 Anti Public Combo List accounts
	393,430,309 River City Media Spam List accounts
	359,420,698 MySpace accounts
	268,765,495 Wattpad accounts

Recently added breaches

	3,262,980 ClickASnap accounts
	552,094 Flipkart accounts
	3,517,679 Habib's accounts
	2,451,197 APK.TW accounts
	3,805,265 Online Trade (Онлайн Трейд) accounts
	21,994 WoTLabs accounts
	27,123 Mr. Green Gaming accounts
	19,972,829 Cutout.Pro accounts
	243,462 Tangerine accounts
	77,267 Facebook Marketplace accounts

Internet : une masse d'information a disposition des cyberattaquants

';--have i been pwned?

Check if your email address is in a data breach

ogral@msn.com

pwned?

Oh no — pwned!

Pwned in 10 data breaches and found no pastes (subscribe to search sensitive breaches)

3 Steps to better security

Start using 1Password.com



Step 1 Protect yourself using 1Password to generate and save



Step 2 Enable 2 factor authentication and store the codes inside your numbers, Social media profiles



Step 3 Subscribe to notifications for any other breaches. Then just change



LinkedIn: In May 2016, LinkedIn had 164 million email addresses and passwords exposed. Originally hacked in 2012, the data remained out of sight until being offered for sale on a dark market site 4 years later. The passwords in the breach were stored as SHA1 hashes without salt, the vast majority of which were quickly cracked in the days following the release of the data.

Compromised data: Email addresses, Passwords



LinkedIn Scraped Data (2021): During the first half of 2021, LinkedIn was targeted by attackers who scraped data from hundreds of millions of public profiles and later sold them online. Whilst the scraping did not constitute a data breach nor did it access any personal data not intended to be publicly accessible, the data was still monetised and later broadly circulated in hacking circles. The scraped data contains approximately 400M records with 125M unique email addresses, as well as names, geographic locations, genders and job titles. LinkedIn specifically addresses the incident in their post on [An update on report of scraped data.](#)

Compromised data: Education levels, Email addresses, Genders, Geographic locations, Job titles,

Un Exemple de ressource Cyber : Shodan

The screenshot displays the Shodan website interface within a browser window. The address bar shows the URL <https://www.shodan.io/explore>. The page features a navigation bar with the Shodan logo, a search bar, and links for 'Explore', 'Pricing', and 'Contact Us'. A 'Login or Register' button is visible in the top right corner.

The main content area is titled 'Explore' with the subtitle 'Discover the Internet using search queries shared by other users.' Below this, there are three columns of featured search results:

- Featured Categories:** Three categories are listed with corresponding images: 'Industrial Control Systems', 'Databases', and 'Video Games'.
- Top Voted:** A list of search results sorted by votes:
 - Webcam:** 10,460 votes. Description: 'best ip cam search I have found yet.' Tags: webcam, surveillance, cams. Date: 2010-03-15.
 - Cams:** 4,177 votes. Description: 'admin admin'. Tags: cam, webcam. Date: 2012-02-06.
 - Netcam:** 2,297 votes. Description: 'Netcam'. Tag: Netcam.
- Recently Shared:** A list of search results sorted by recency:
 - Open Telnet:** 2 shares. Description: 'Open telnet port on routers for easy setup'. Tags: telnet, server, router. Date: 2018-11-30.
 - MobSF:** 3 shares. Description: 'Mobsf apps'. Tag: mobsf. Date: 2018-11-30.
 - Marriot Telnet:** 2 shares. Description: 'Marriot Telnet'.

The Windows taskbar at the bottom shows the system tray with the time 11:23 and date 01/12/2018.

Un Exemple de ressource Cyber : Shodan

The screenshot displays the Shodan web interface. The main search bar contains the query "webcamxp country.fr". The search results are as follows:

- Total Results: 45
- Top Services:
 - HTTP (8080): 25
 - 8081: 7
 - HTTP: 5
 - 5800: 3
 - AndroMouse: 2
- Top Organizations:
 - Orange: 24
 - Free SAS: 12
 - SFR: 5
 - Quantic Telecom: 2
 - Bouygues Telecom: 2

A detailed view of the IP address 90.78.73.47 is shown, with the following information:

- City: Limoges
- Country: France
- Organization: Orange
- Ports: 80

The background of the interface features a satellite map of France and surrounding regions, with various cities labeled. The Shodan logo is visible in the bottom right corner of the map area. The Windows taskbar at the bottom shows the date and time as 11:27 on 01/12/2018.

Un Exemple de ressource Cyber : Shodan

The image displays a Windows desktop environment with several browser windows open, illustrating the Shodan search engine interface and its results.

Browser Windows:

- Top Window:** <https://www.shodan.io/explore>
- Middle Window:** <https://maps.shodan.io/#45.18978009667531/3.05419921875/6/satellite/webcamxp country.fr>
- Right Window:** <http://fbn-1-2493-47.w90-78.abo.wanadoo.fr/>

Search Results (Left Panel):

Search query: `webcamxp country.fr`

Total Results: 45

Top Services:

Service	Count
HTTP (8080)	25
8081	7
HTTP	5
5800	3
AndroMouse	2

Top Organizations:

Organization	Count
Orange	24
Free SAS	12
SFR	5
Quantic Telecom	2
Bouygues Telecom	2

Featured Categories (Left Panel):

- Industrial Control System
- Databases
- Video Games

Map (Middle Panel):

Map showing the location of the search results in France, with labels for Carballo, Oviedo / Uviéu, Bilbao, Valladolid, España, Vigo, Porto, Bordeaux, and Toulouse.

WebcamXP 5 Interface (Right Panel):

WEBCAMXP 5
WEBCAMS AND IP CAMERAS SERVER FOR WINDOWS

Navigation: Home, Multi view, Smartphone, Gallery, Administration

Status: Not logged in

Source: Source 1 | JavaScript

Live View: A live video feed showing an interior room with a dining table and chairs.

Control Panel: Pan, Tilt & Zoom (Magnifying glass, arrows, 1, zoom in/out)

System Tray: 11:28, 01/12/2018

Les clefs d'une bonne CYBERDEFENSE



Anticiper



Maintenir les équipements et applications à jour



Durcir la politique de sécurité des mots de passe



Protéger les sauvegardes



Cloisonner le système d'information



Attention au nomadisme et au télétravail



Surveiller son Système d'Information