

A blurred photograph of a high-speed train moving through a tunnel, with motion blur on the train and the tunnel walls, creating a sense of speed. The train is in the center, moving away from the viewer.

# On Track for CyberSecurity Awareness in the Railroad Environment

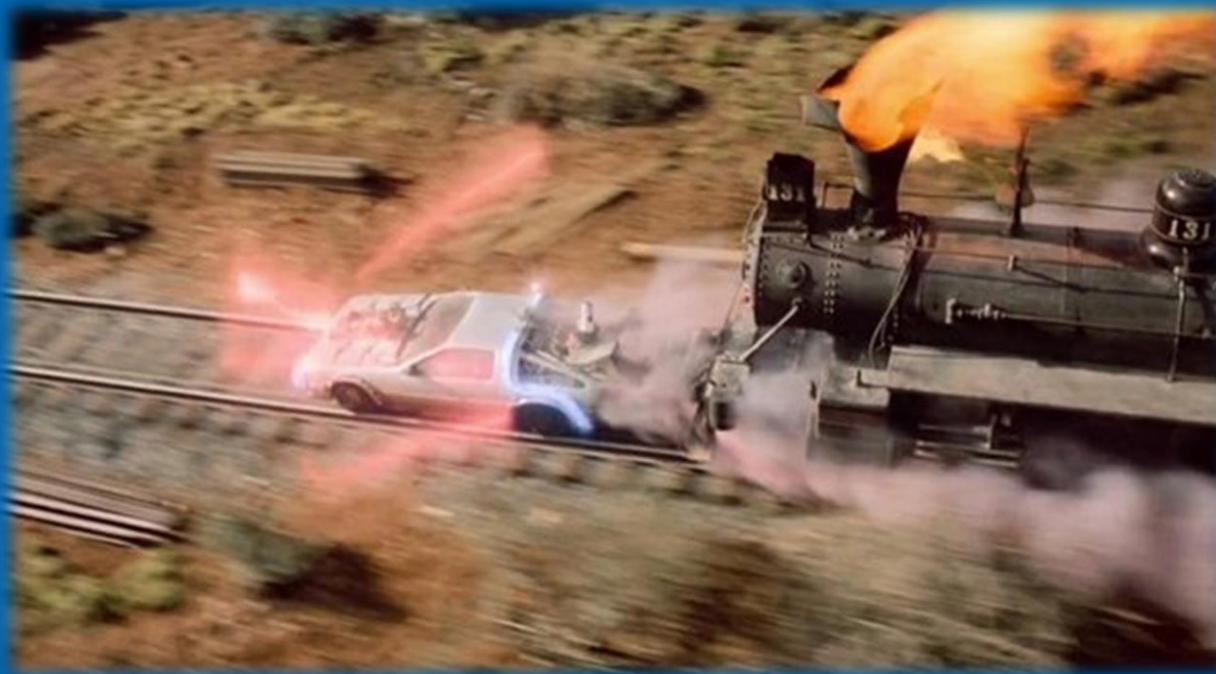
Steven Debruyn  
CISO Officer – Awareness & Communication  
SNCB / NMBS / YPTO

08.11.2023

En route.  
Vers mieux.



“ Creating CyberSecurity awareness in a Railroad Environment, where some of the staff have missed the digital train and believe our servers are run by steam engines, can be a bit of a challenge. ”





Administrative workers

Technical workers

IT

Developers

TrainManagers

TrainDrivers

Security staff

Marketing & Sales

Planning

Finance

Procurement

Legal

Etc

# A diverse audience

CyberSecurity is  
everyone's  
responsability





## Trying to get the message across

»» Some of the staff don't WANT to see the awareness messages.

So what if it's unsafe or might cost money to the company. I don't care.  
Just let me get on with my work.



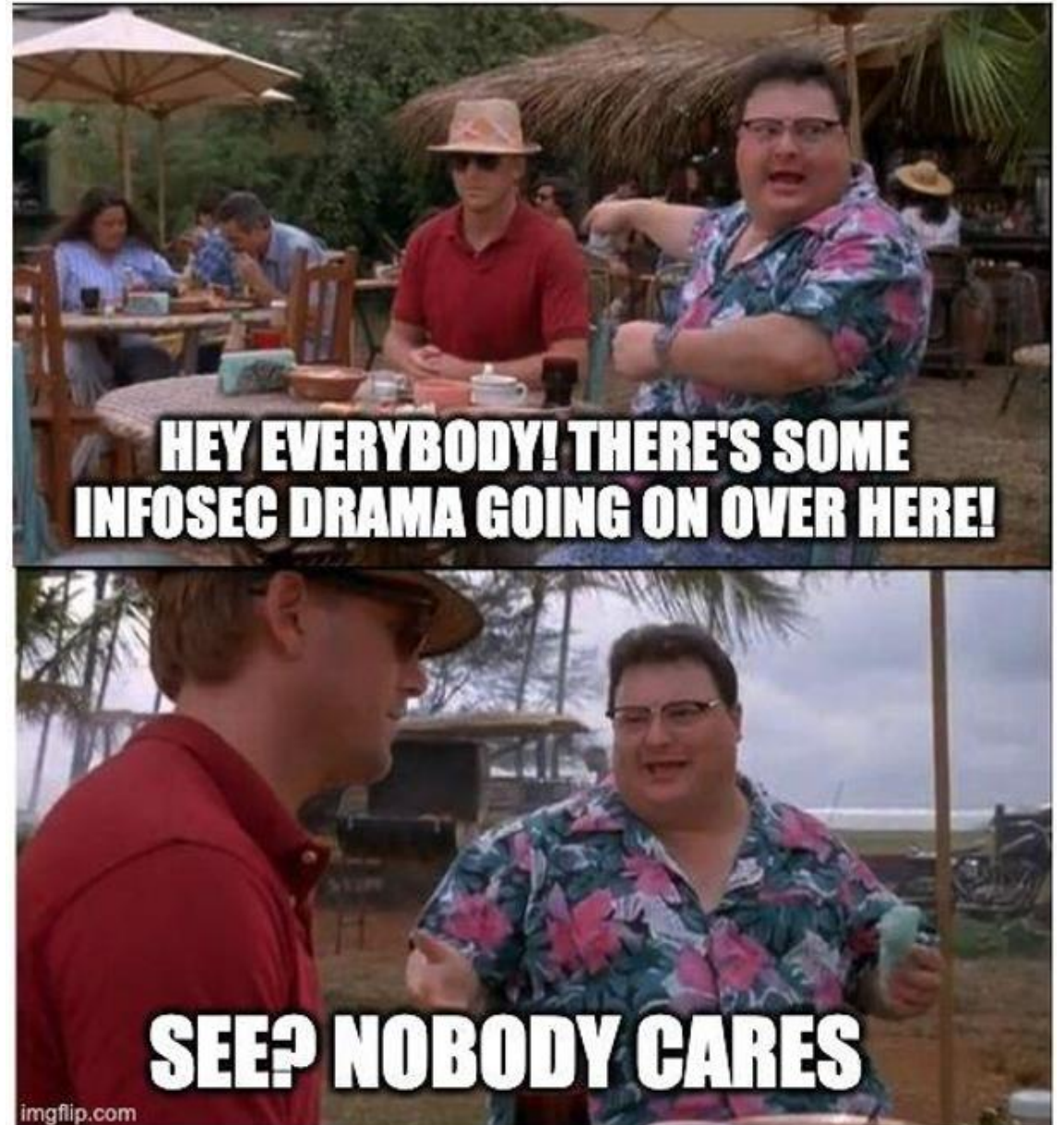
## Remember this scene ?

It's a good reference how staff do not care if it has no direct impact on them.

But wait ... we'll find out how to change that



- No time
- No interest
- Don't care
- No benefit for me
- I prefer things the old way



Of course, we do need to tell them all about these topics

- **Use Strong, Unique Passwords:**
- **Beware of Phishing**
- **Regular Software Updates**
- **Use Multi-Factor Authentication (MFA)**
- **Data Privacy and Social Engineering**
- **And many more ...**

Awareness  
Messages



# Railways are critical infrastructure



## Poland investigates cyber-attack on rail network

26 August  
Russia-Ukraine war



## Pro-Russian Hacker NoName057(16) Targets UK Rail Ticket Sales Service

Since May 2022, NoName057(16) has been on a rampage, targeting Ukraine and European countries that support the Ukrainian government.

by Ashish Khaitan — April 3, 2023 in Firewall Daily, Hacking News



## Global Cyber Attack Hits Deutsche Bahn

The global cyber attack that started in the UK by targeting the country's National Health Service (NHS) has hit computers in 99 different countries, specifically computers using Windows as their operating system. The German Federal Ministry of the Interior confirmed to news broadcaster ZDF that Germany was among the countries targeted. The ZDF went on to report that Deutsche Bahn's computers were affected.

## Denmark's Train Network Frozen Due to Cyberattack on Subcontractor

Filip TRUŤA  
November 07, 2022

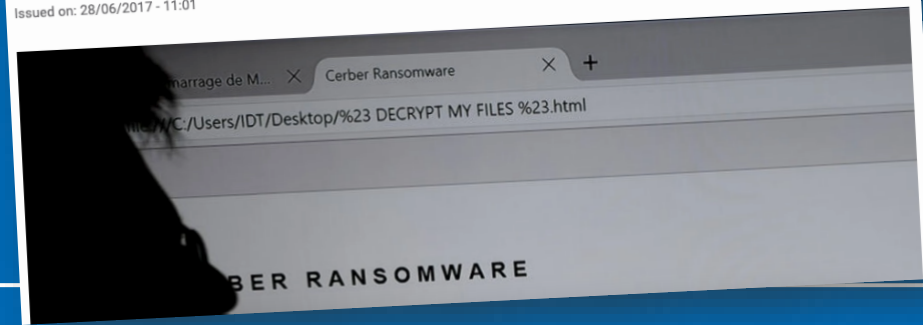
Promo Protect all your devices, without slowing them down. Free 30-day trial



## Worldwide cyberattack hits French rail operator, Saint-Gobain

France's national rail operator, the Saint-Gobain building supply company and supermarket chain Auchan are among hundreds of companies worldwide hit by Wednesday's Petrwrap ransomware. French police have launched an inquiry into the massive cyberattack.

Issued on: 28/06/2017 - 11:01



## Grab their attention

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An experiment

We'll need a  
volunteer from the  
audience





# MINDSET



CHANGING...

Today 10:22 am

Hi mum it's me, dropped my phone down the toilet and it's got water damage so I'm using an old phone, save this number to your contacts for the time being x

Text Message



## PASSWORDS ARE LIKE UNDERWEAR







1. Change them **REGULARLY**
2. Don't leave them on your desk
3. Don't share them with anyone





# Ik ben toch ne pechvogel!

Deze maand al

 3 boetes gekregen uit landen  
waar ik nog nooit ben geweest 



 5 postpaketten gemist waarvan  
ik me de bestelling niet herinner 



 én info gekregen over een vervallen bankkaart  
van een bank waar ik niet eens klant bij ben 



**Herken jij verdachte berichten op tijd?**

# Je n'ai vraiment pas de chance !

Ce mois-ci j'ai déjà

 eu 3 contraventions d'un pays  
où je n'ai jamais mis les pieds 

 raté 5 colis postaux que je ne me  
rappelle plus avoir commandés 

 et reçu de l'info sur une carte bancaire  
expirée d'une banque dont je ne suis pas client. 

**Identifiez-vous  
les messages suspects à temps ?**

New technologies like AI and DeepFakes make Whaling and Phishing even more dangerous.



© Fred Debrock

## Conner Rousseau waarschuwt voor vals profiel dat videobelt met deepfake

Vooruit-voorzitter Conner Rousseau (30) heeft gewaarschuwd voor valse profielen van hem op sociale media. Een vrouw dacht dat ze "intiem" met Rousseau chatte en zelfs videobelde, en dat hij haar geld vroeg.

# DATA BREACH

';--have i been pwned?

<https://haveibeenpwned.com/>

# SpearPhishing example

**bol.com** 

LET OP: NIEUW BANKREKENINGNUMMER  
**NL99SNSB0123456789**



**Tupperware**



Fotografie: Jurren Jacob Lodder

Order from  
Amazon, Bol,  
Zalando etc

Reset the password

Update the e-mail address

Update the delivery  
address

Update the payment  
method



# This happened @ NMBS

Dear HR,

Please note that I have switched bank account.

From now on, please pay my monthly wages on bankaccountnr

**BE68 5390 0754 7034**

Thank you,

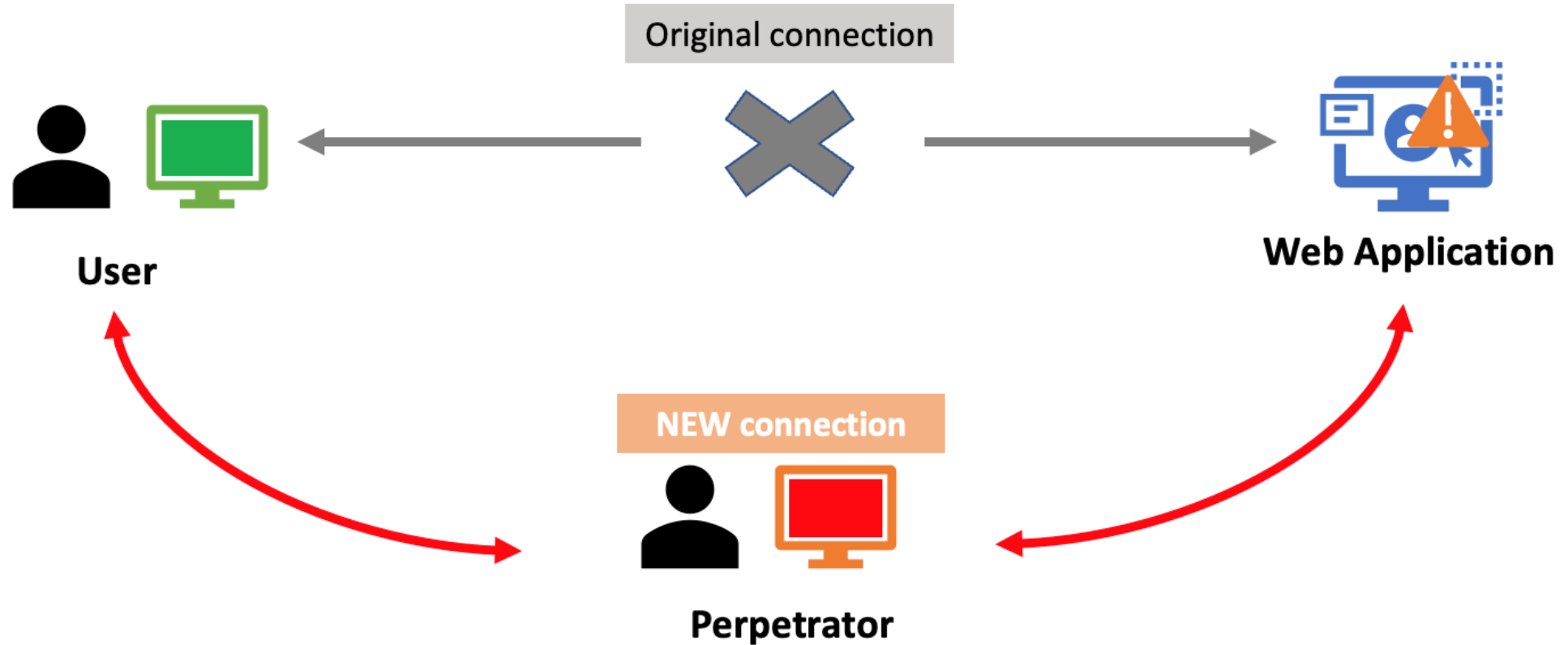
Freddy

[notherealname@belgiantrain.be](mailto:notherealname@belgiantrain.be)





# Man in the middle attack



Suppose you are sitting on the terrace of the local coffee shop and you see a free Wi-Fi SSID called '**COFFEE\_FREE**'.

# True story about a man and his dog



## Find the link to their personal lives

- **YOU can be a victim of hackers**
- **YOU can lose money if you just click on anything**
- **YOU can have your passwords abused if you don't change them regularly**

## How it works

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### Now that we have their attention ...

- **We can get them engaged**
- **Once they are in the CyberSecurity Mindset, they will automatically apply the same practices in their work environment.**

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### Provide personalized training, based on their role

- **CyberSecurity Roadshow**

## Hop on the CyberSecurity train

- Quarterly CyberSecurity Quiz
- Yearly E-learning
- Interactivity on published articles
- Up-to-date information on new threats
- Phishing exercises
- Requests for articles in PDF to share with their family and friends
- People actively proposing new topics to communicate upon

All aboard !



Thank you / Merci / Bedankt !

[Steven.debruyne@nmbs.be](mailto:Steven.debruyne@nmbs.be)

En route. Vers mieux.  
Onderweg. Naar beter.

