



Think like a hacker

Stephan van Rooij // Smartersoft B.V.

Security 🔒





Stephan van Rooij

Founder // Smartersoft B.V.

“

A lock must be better than that of the neighbours

Focus

Tokens, single-sign-on,
application security

.NET

Awards

Microsoft MVP > 2022
Security & .NET (>2026)



USB Sticks

Can I convince you to
insert a random USB stick
into your computer?



USB Sticks

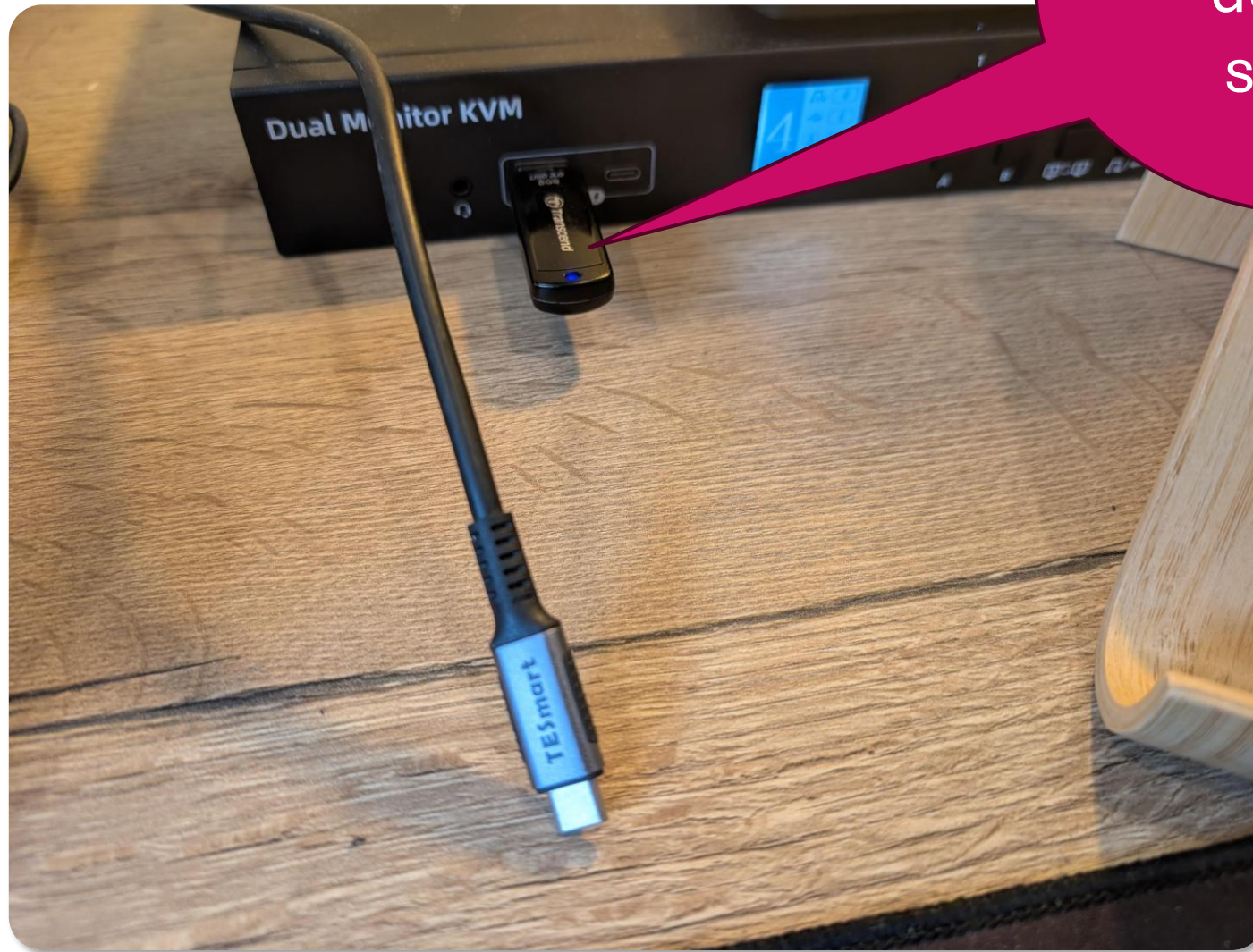


USB Sticks

Lost keys,
maybe check
owner?



USB sticks



Device in
docking
station



USB sticks

- ◆ Thumbdrive
- ◆ Automated keyboard
- ◆ Wifi Client
- ◆ Remote control

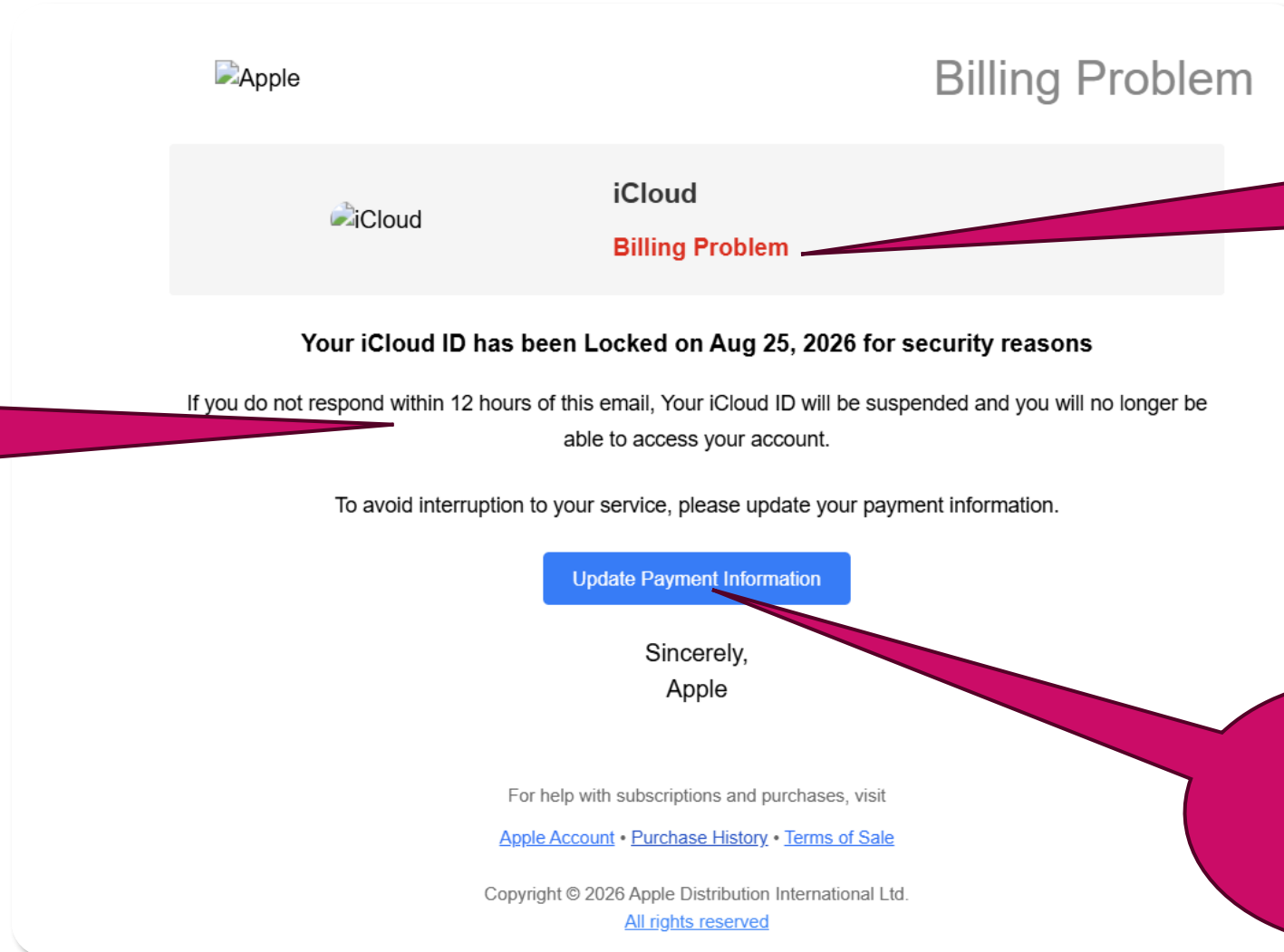


Urgent tasks

Hackers use urgency to convince you to do stuff



Apple account blocked



Issue?

12 hours?

What payment?

Package at customs

Bezorgservice

Verzendnotificatie · 31/08/2026 01:25

Beste,

Uw zending is geregistreerd in ons logistiek systeem. Om ervoor te zorgen dat de vervoerder kan leveren, is een verificatie van uw adres vereist.

Om de verzending te versnellen, nodigen wij u uit om toegang te krijgen tot uw volgruimte en de details van uw levering te bevestigen via de onderstaande knop.

VOLGNUMMER

8A20MY0C6SON

Ontvanger: Klant

Postcode: 1365 HC · Telefoon: +31 6 7941 0422

Transportbijdrage: Het bedrag van € 21,96 geassocieerd met het beheer van uw zending is in afwachting van betaling.

Een snelle verwerking van uw aanvraag zal de vervoerder in staat stellen de levering te plannen.

Toegang tot uw persoonlijke ruimte om de € 21,96 te betalen en de levering te autoriseren.

Verzendkosten: € 21,96

[Volg uw pakket](#)

Date for more urgency

Call to action
“Track package”

Fake details

Security in Applications

How does a hacker see you application



Broken authentication

1

Access other data

Number in url

- 1?
- 80?
- 300?

2

Validate

**Protect
against this
with
automated
tests**

3

OWASP top 10

**In the top 10
for 10+ years**

What happens?

Developer Tools - Request payload

```
{
  "name": "Inkomensverklaring",
  "version": "1.0",
  "functionName": "DownloadReport",
  "input": {
    "publicKey": "c1fe...",
    "dateOfBirth": "1986-07-27",
    "publicKey": "c1fe..."
  },
  "name": "Inkomensverklaring",
  "options": {},
  "version": "1.0"
}
```

Same key

User input



Mis-use

1

Rate limit

Can we try
this 366
times?

Or 7200
times?

2

Changing input

Can we get
data for other
users

3

Website down

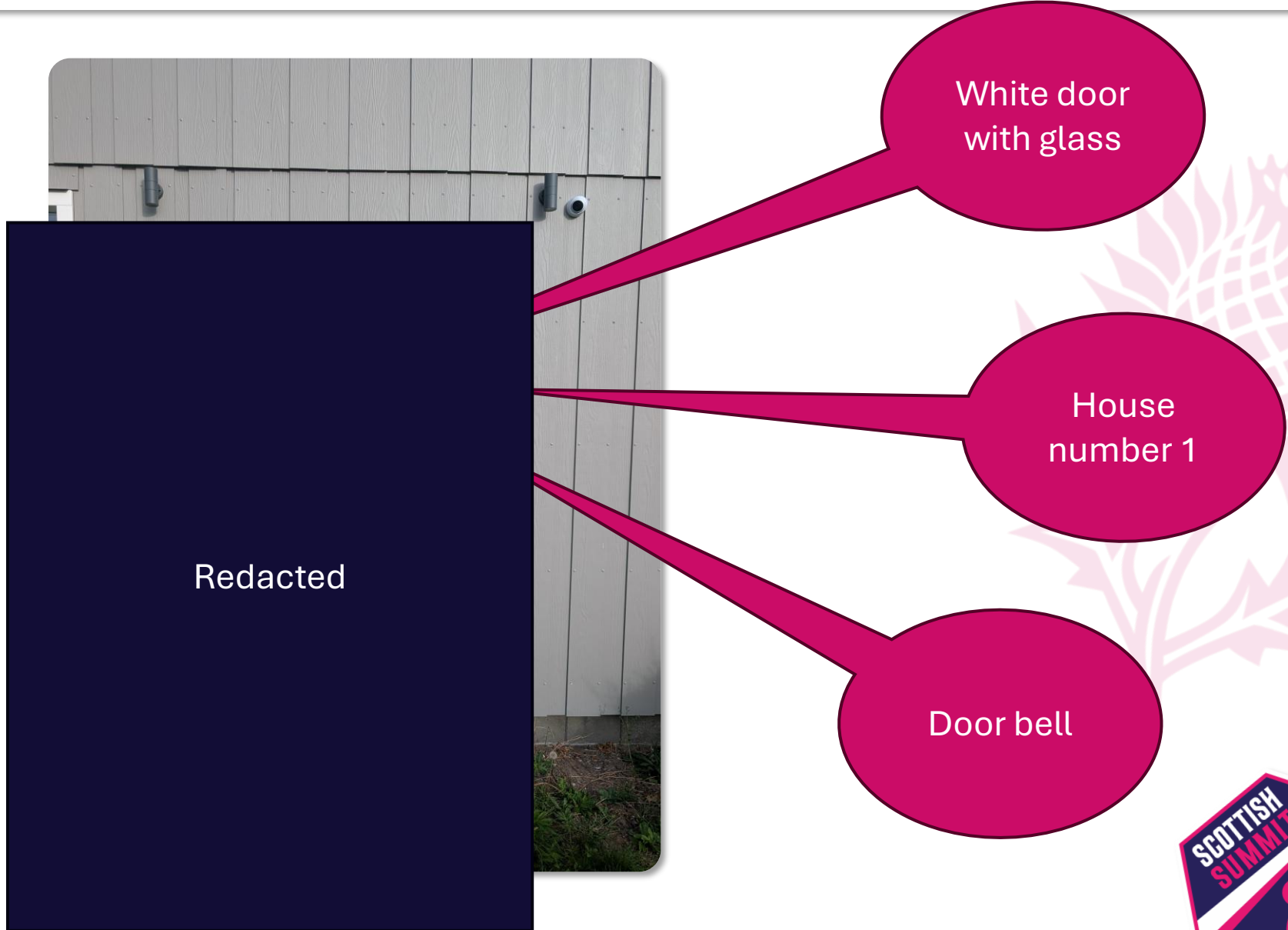
What happens
if we do
1000000
requests

Doors and badges

Doors through the eyes of a hacker



My front door



My front door

Door
without
letterbox

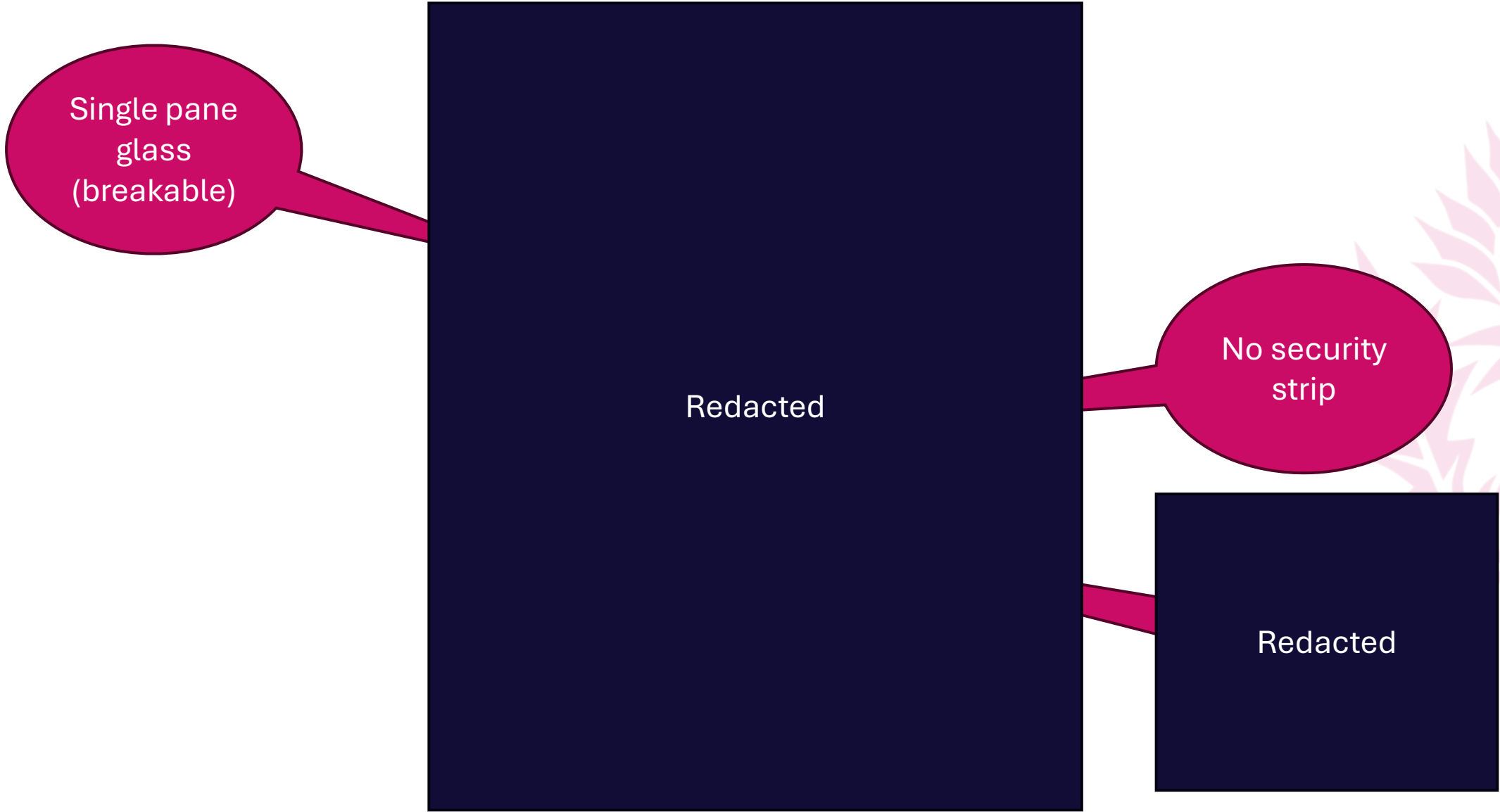
Security
camera

Redacted

Person
and
car



My front door



Door opener tool

Credit: Youtube
@jobtowntools



This content is for educational and security-awareness purposes only.
Opening someone else's door without permission is illegal.



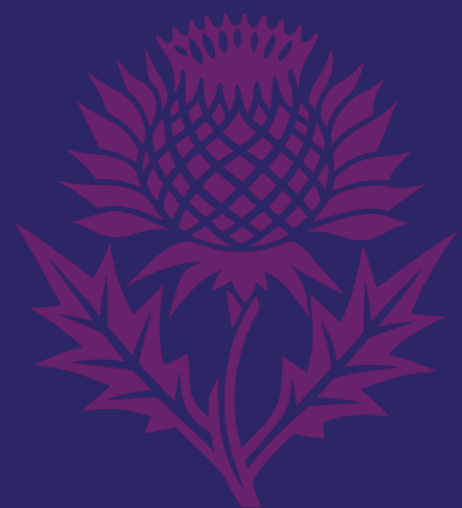
Hotel keycard cloned





“
We (hackers) see the world differently
”

Stephan van Rooij (2026-10-01)



Summary

1

**Security is a
combination
of various
factors**

2

**Protect
against
everything**

3

**Hackers only
need a single
issue**

More info

1

Blog

svrooij.io

2

LinkedIn

[Stephan van R.](#)

3

OWASP top 10

[owasp.org/
projects/
data-security-
top-10](https://owasp.org/projects/data-security-top-10)

Platinum



Gold



Sponsors

PARTNERS

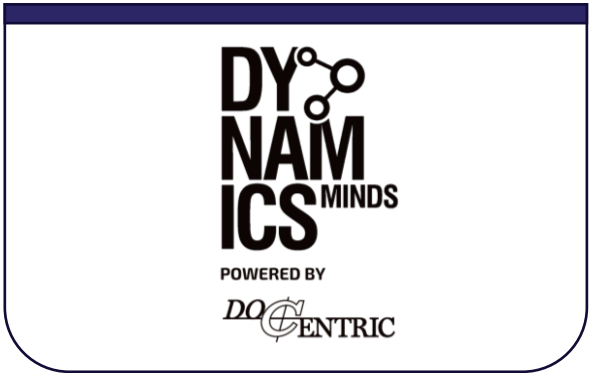
Silver



Media



Community



Charity Partner



Q&A and Feedback

Please submit your session and event feedback using the Scottish Summit App. Your feedback is super valuable and as an added motivator we have a prize draw for submissions.

Prizes include a Dynamics Minds conference ticket, a Game Console, Lego, and Scottish Summit Merch!

Prize draw will be held at the Cabaret with winners contacted after the event.



#ScottishSummit26

Feedback wins Prizes!

Session Feedback

Redacted