

Swiss Post Cybersecurity

TLP:CLEAR

Nobody's Watching

When Self-Managed Becomes
Unmanaged

Antony ANCELIN

SwissCyberStorm 2026



Antony ANCELIN

- ~10 years of experience in **InfoSec**
- @ **French Armed Forces**
Offensive & Forensics
- @ **Swiss Post Cybersecurity**
Incident Responder

✉ csirt@swisspost-cybersecurity.ch

🌐 swisspost-cybersecurity.ch/en



The usual suspects

What we have in mind when thinking about shadow IT



Unapproved SaaS



Unmanaged network



Personal devices



Personal file sharing



Messaging apps



AI tools



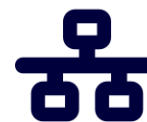
The usual picture

tools, apps, devices



The usual picture

tools, apps, devices



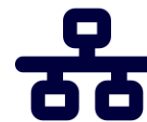
IR cases

networks, servers, appliances



The usual picture

tools, apps, devices



IR cases

networks, servers, appliances



Off the security team's roadmap



The usual picture

tools, apps, devices



IR cases

networks, servers, appliances



Off the security team's roadmap



Technical and governance gap

The other IT

1,000+ employees



Security team



CISO



Logging
policy



EDR

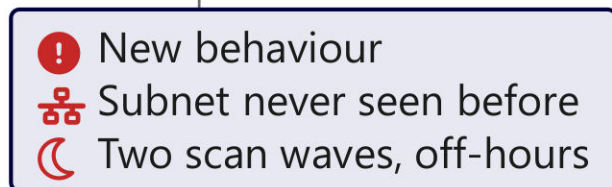


SOC

7 / 26

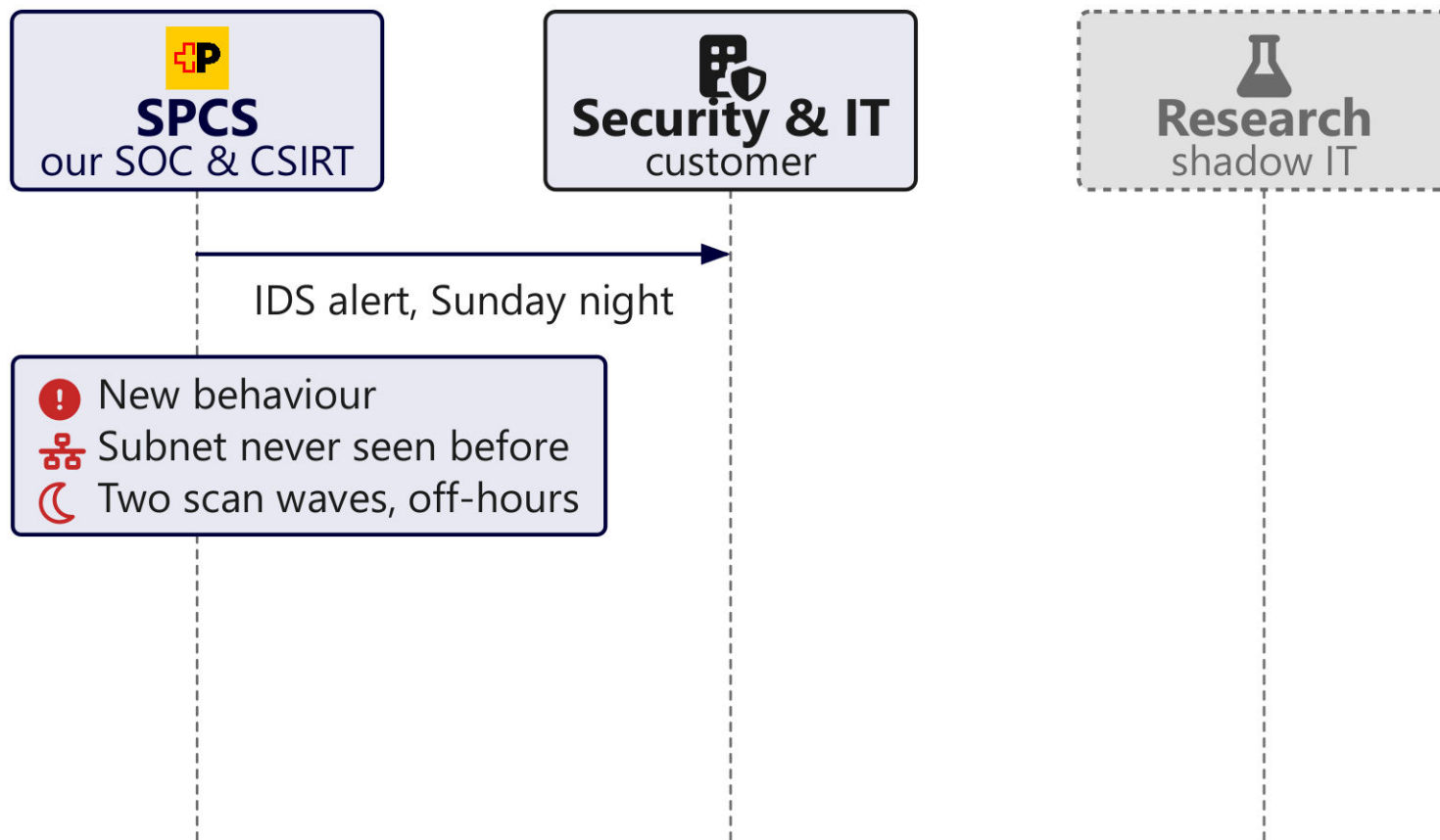
Slow escalation...

TLP:CLEAR



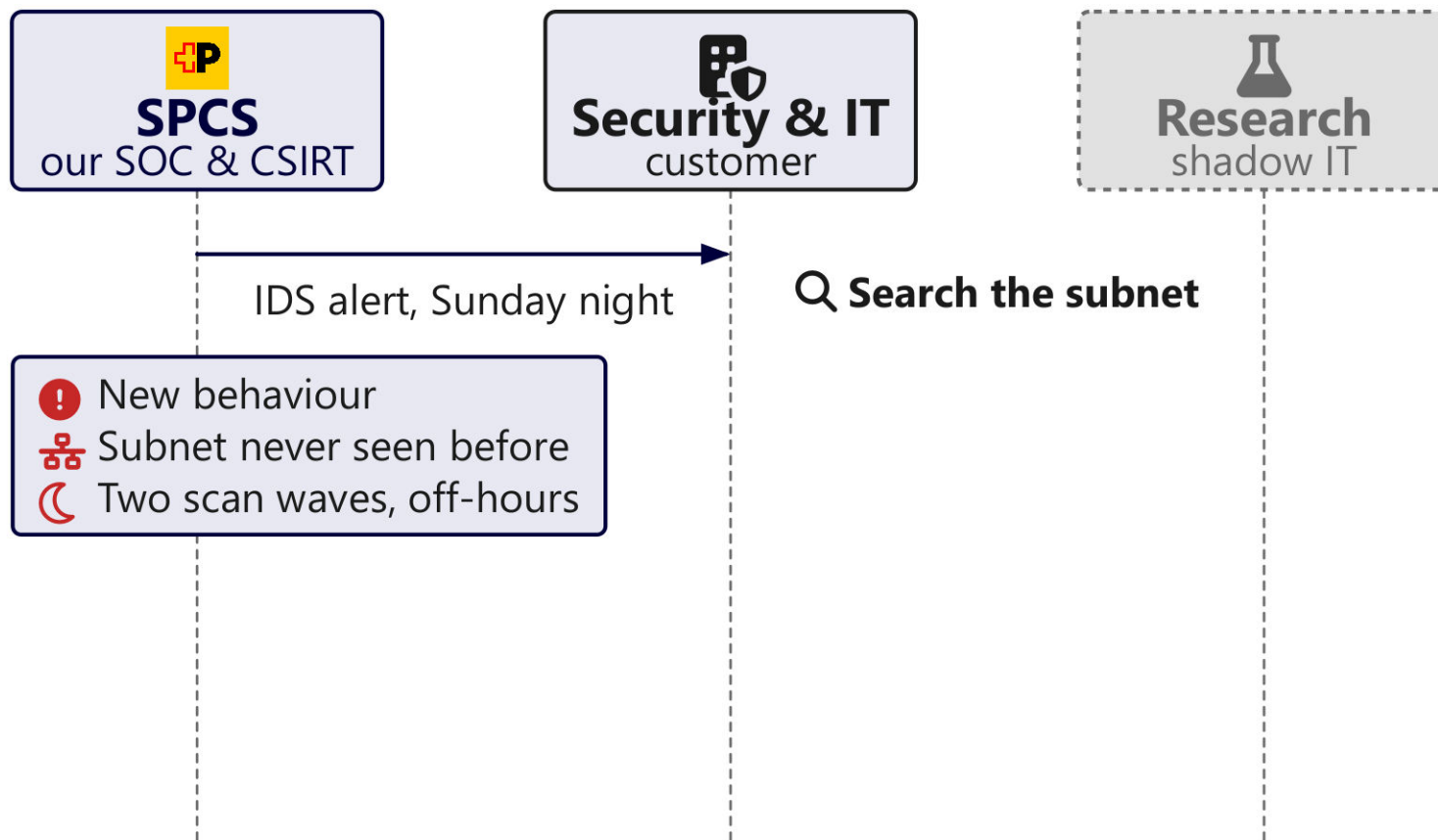
Slow escalation...

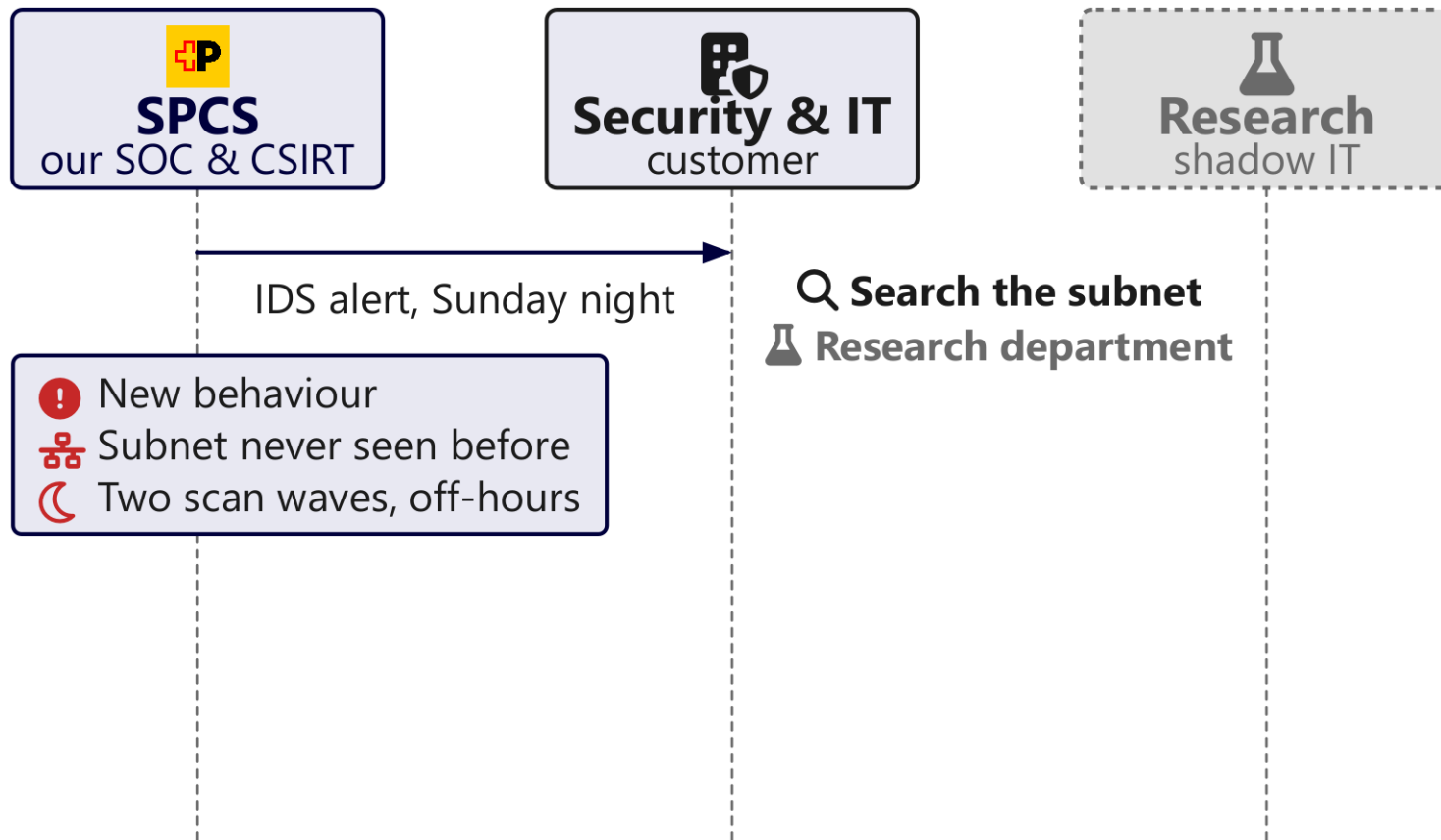
TLP:CLEAR

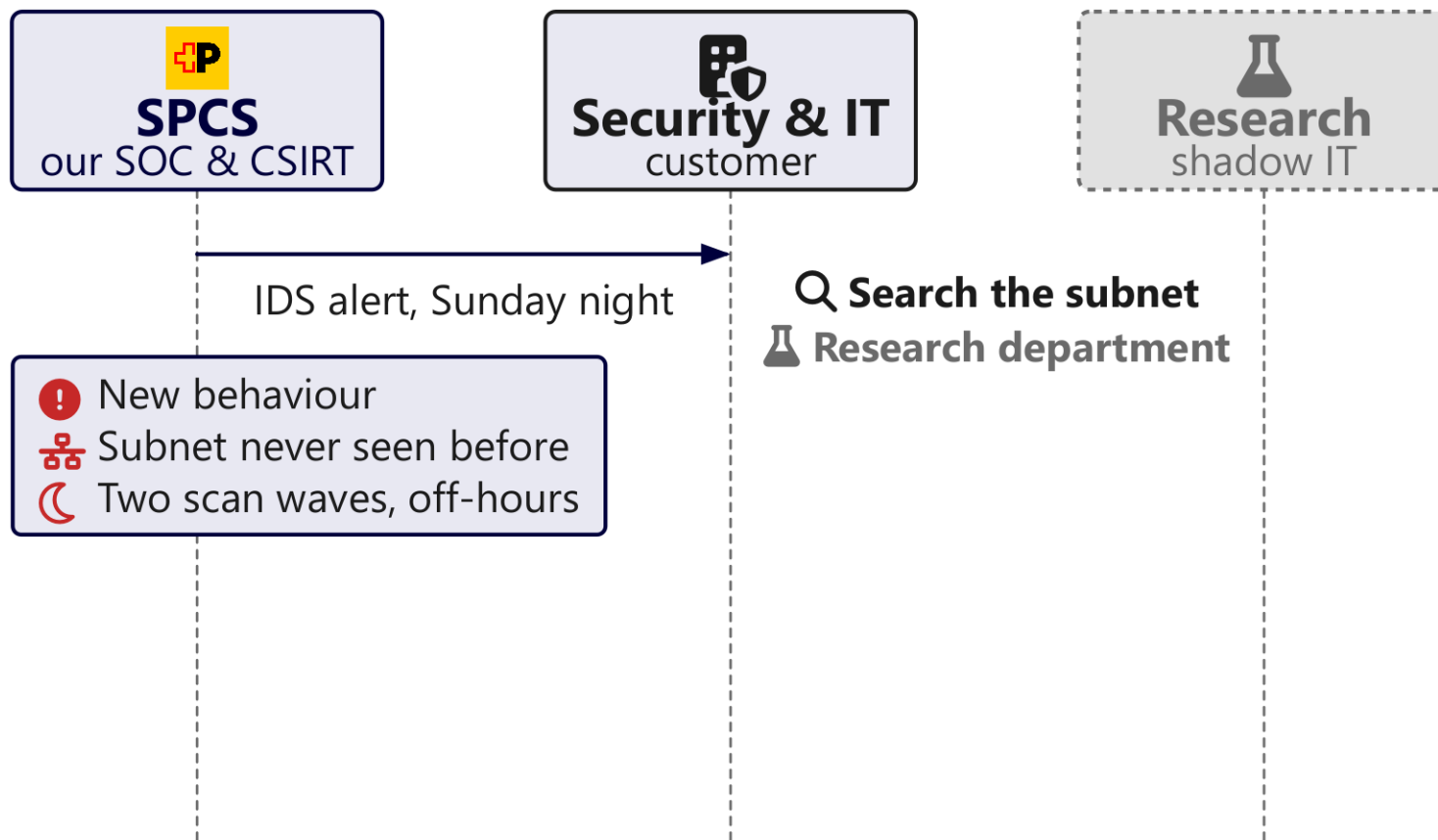


Slow escalation...

TLP:CLEAR

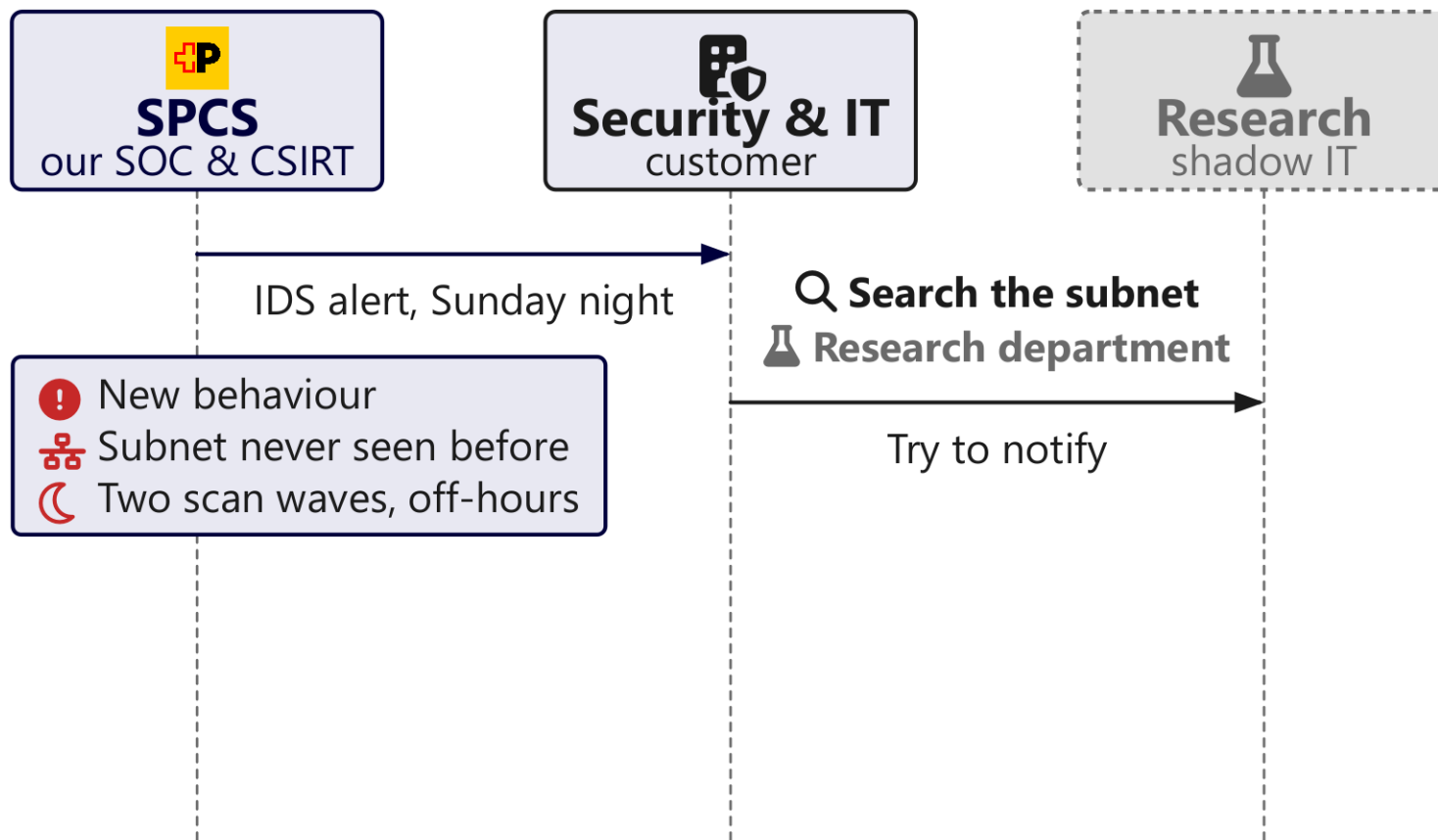






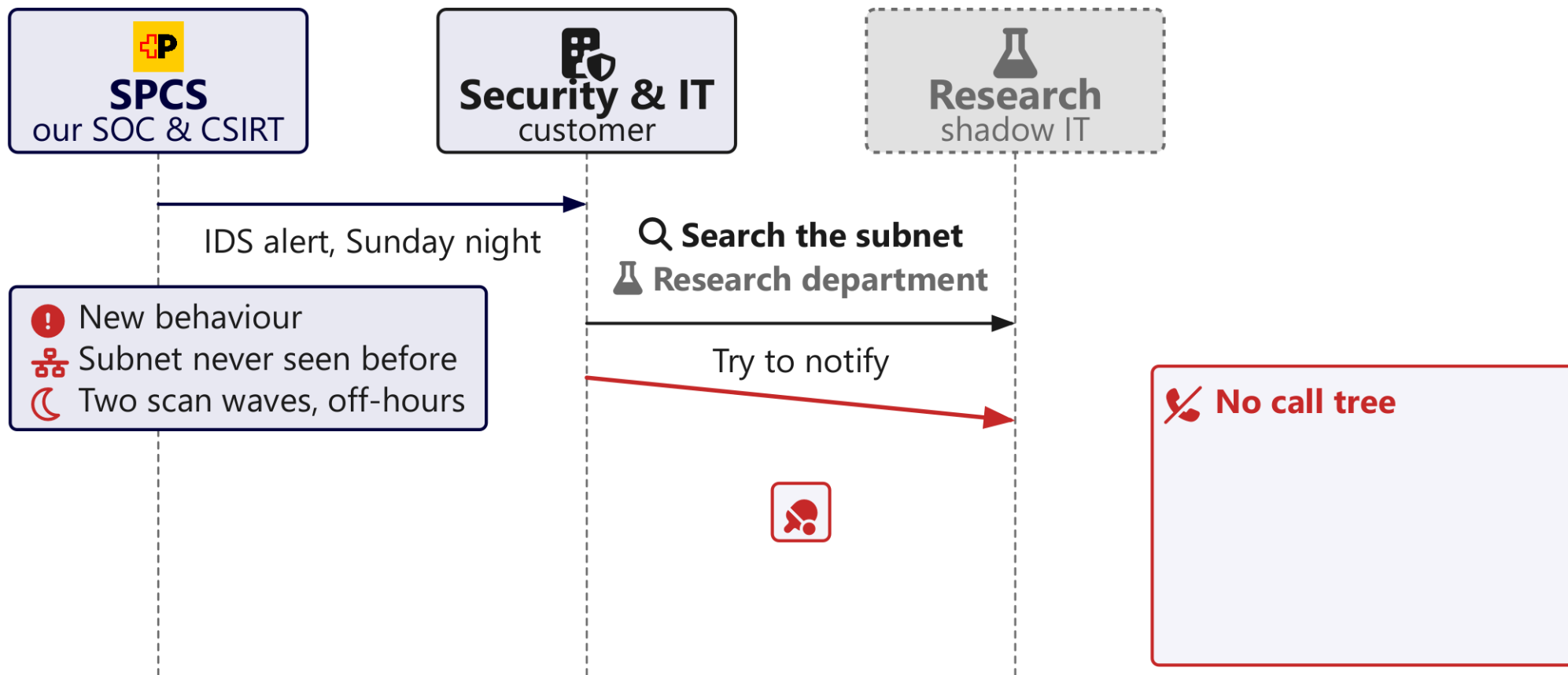
Slow escalation...

TLP:CLEAR



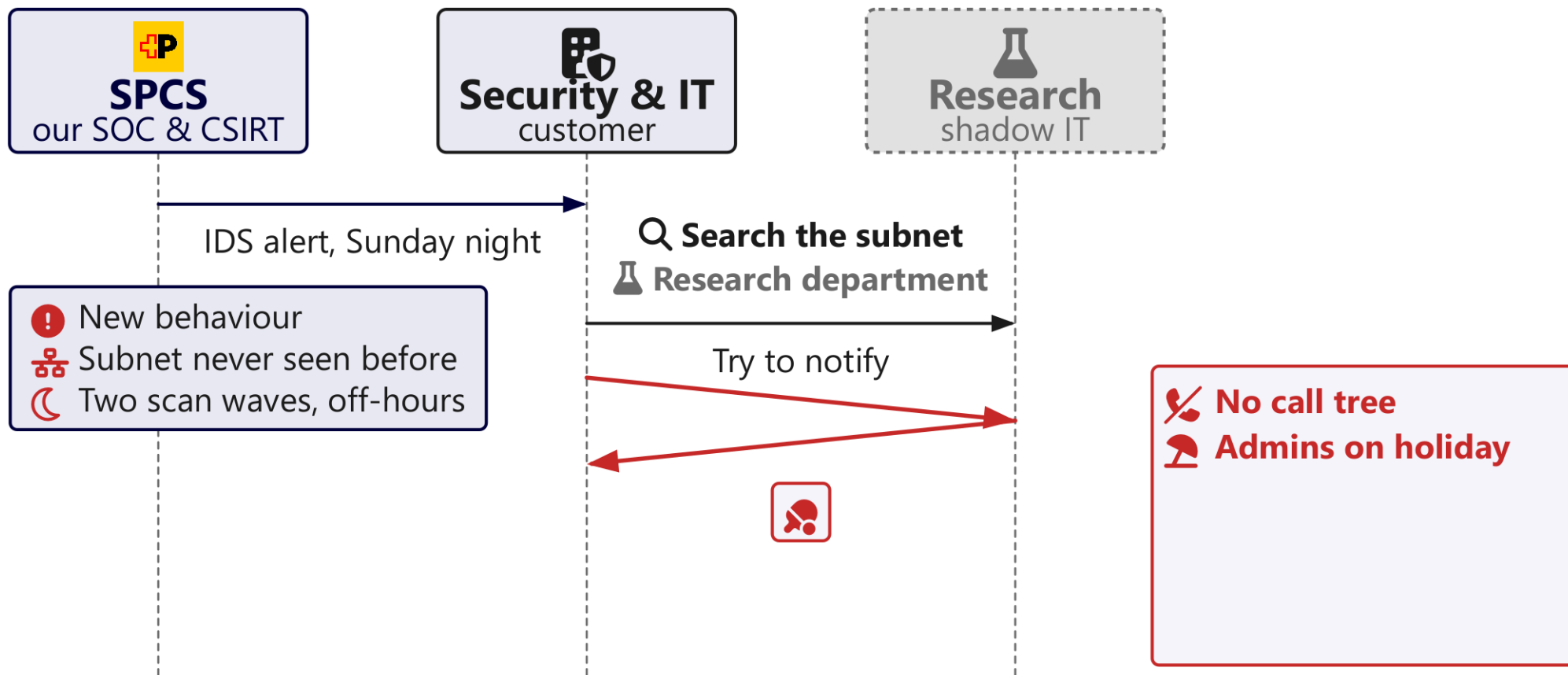
Slow escalation...

TLP:CLEAR



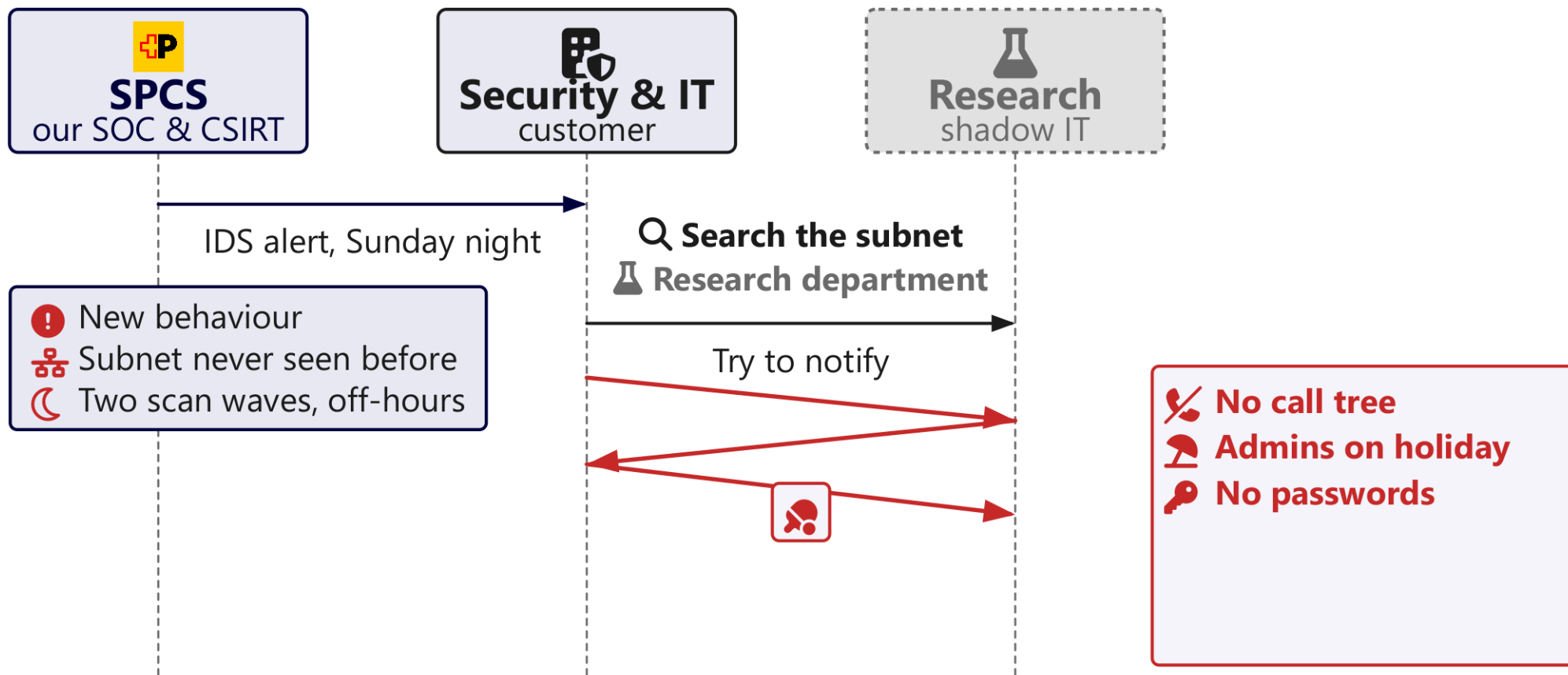
Slow escalation...

TLP:CLEAR



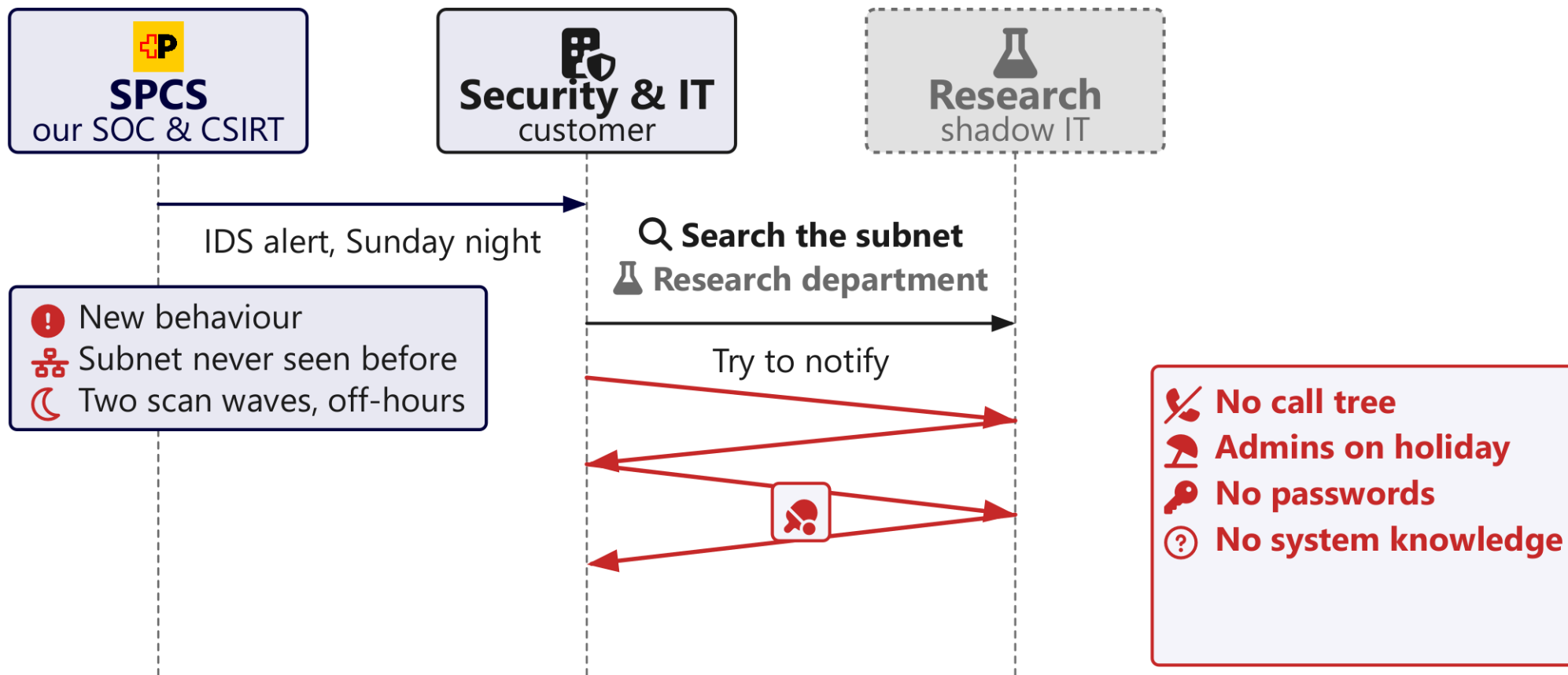
Slow escalation...

TLP:CLEAR



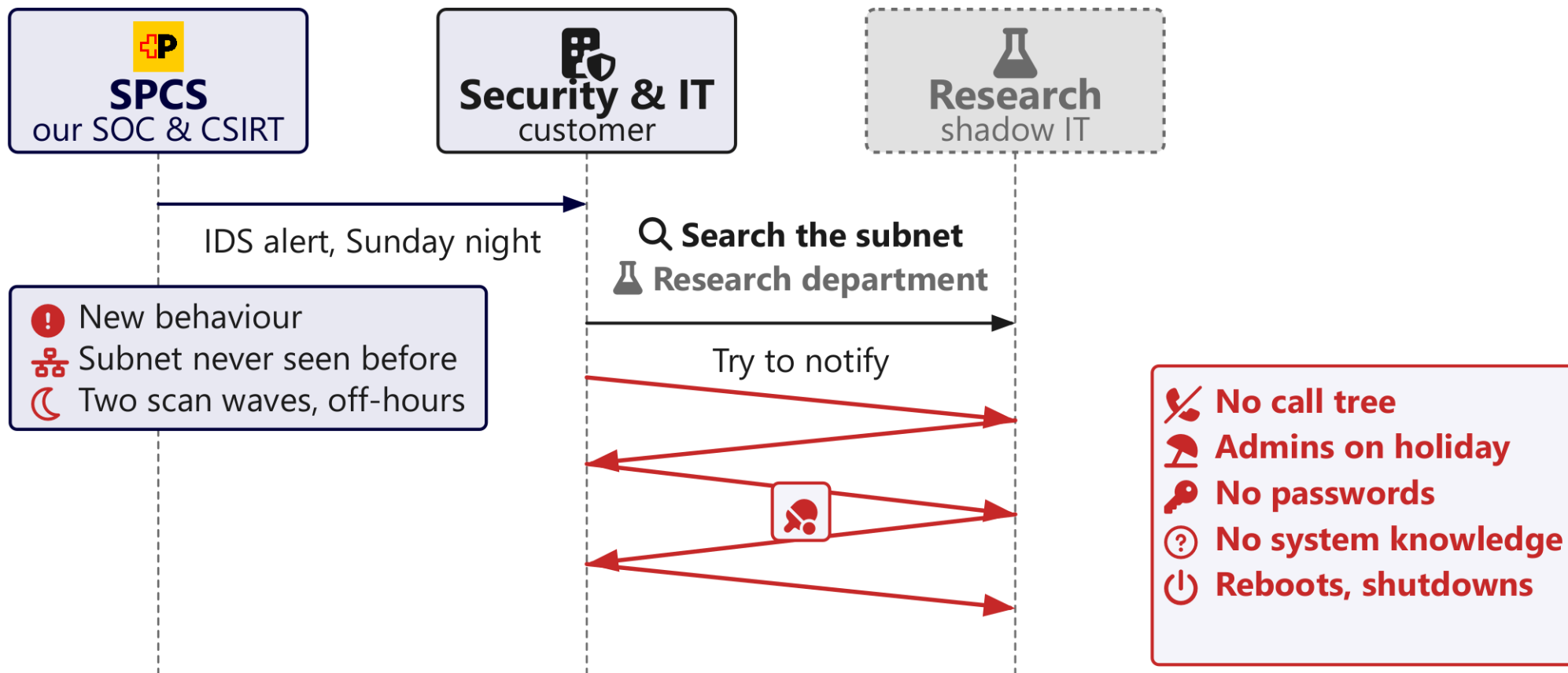
Slow escalation...

TLP:CLEAR



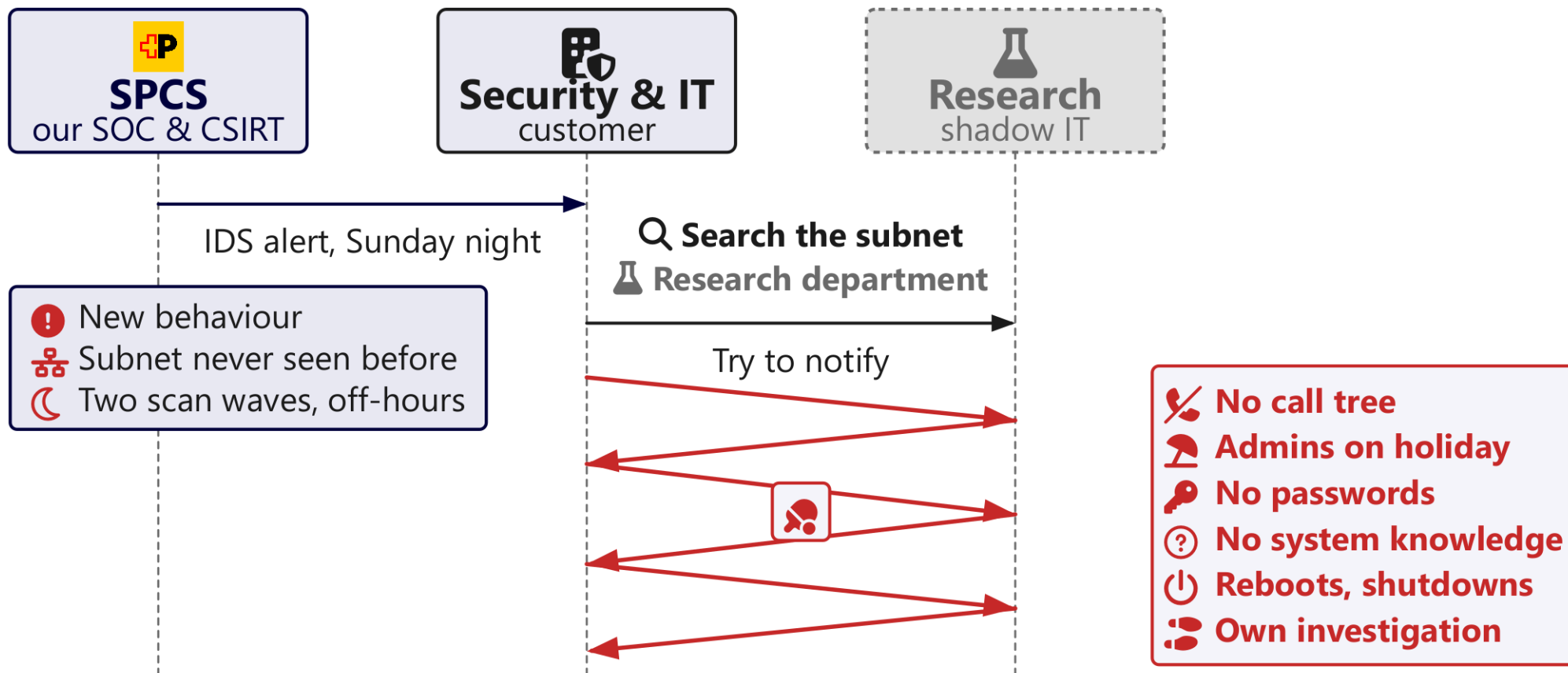
Slow escalation...

TLP:CLEAR



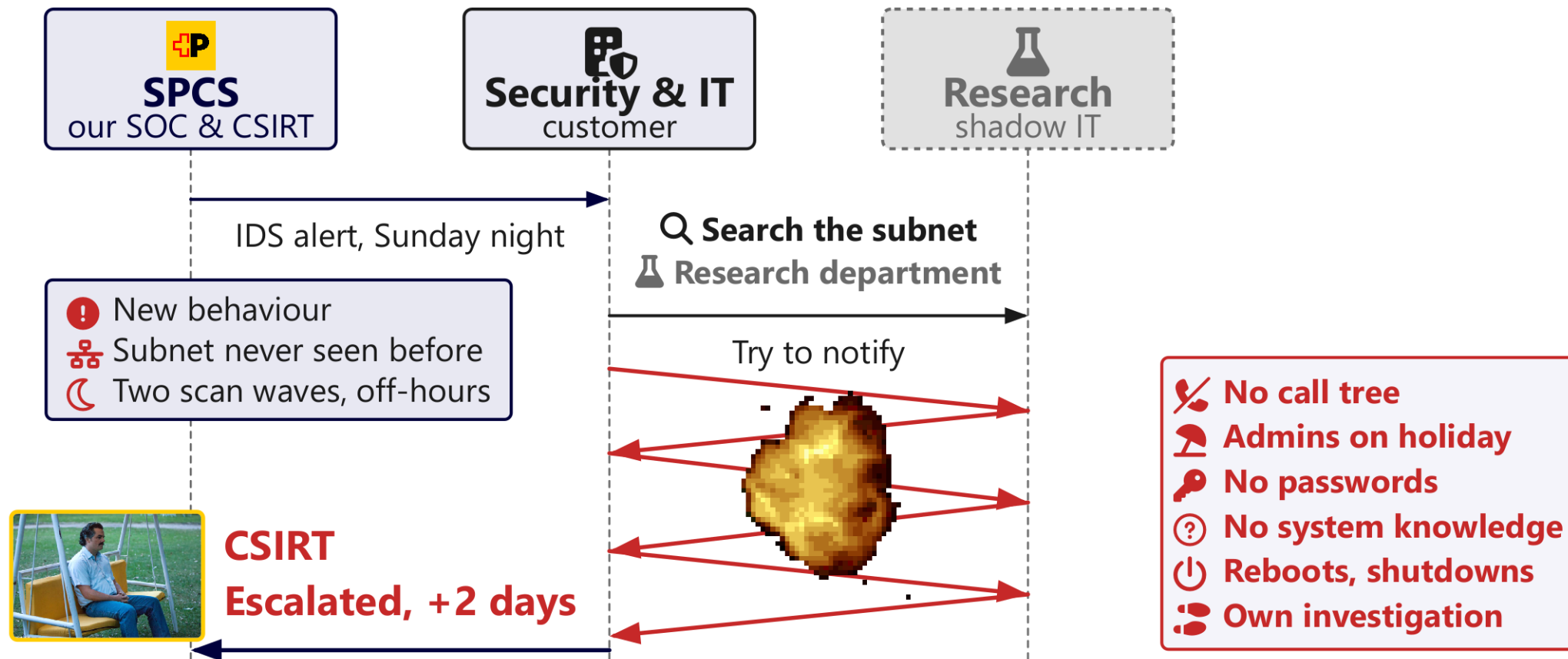
Slow escalation...

TLP:CLEAR



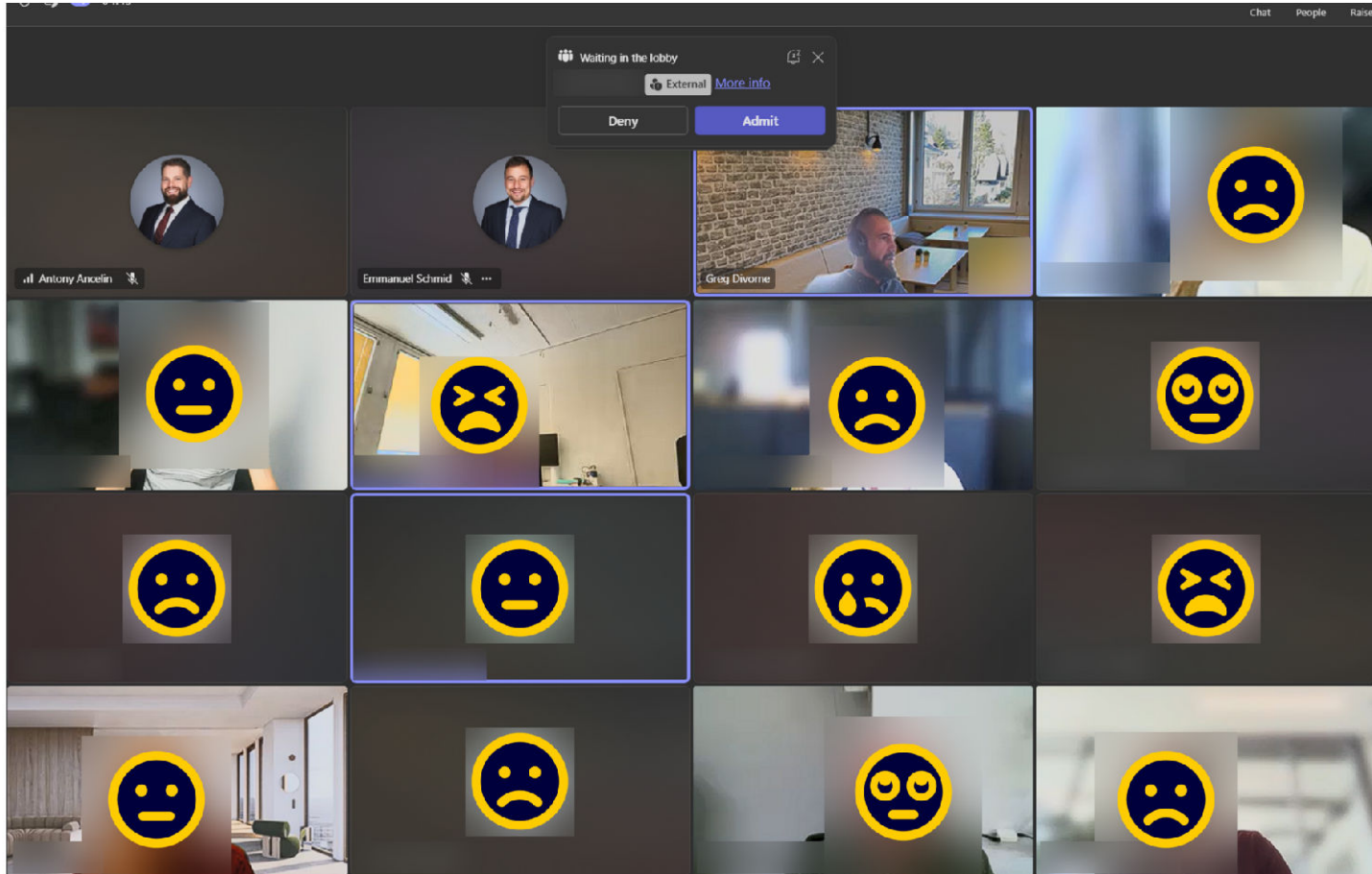
Slow escalation...

TLP:CLEAR



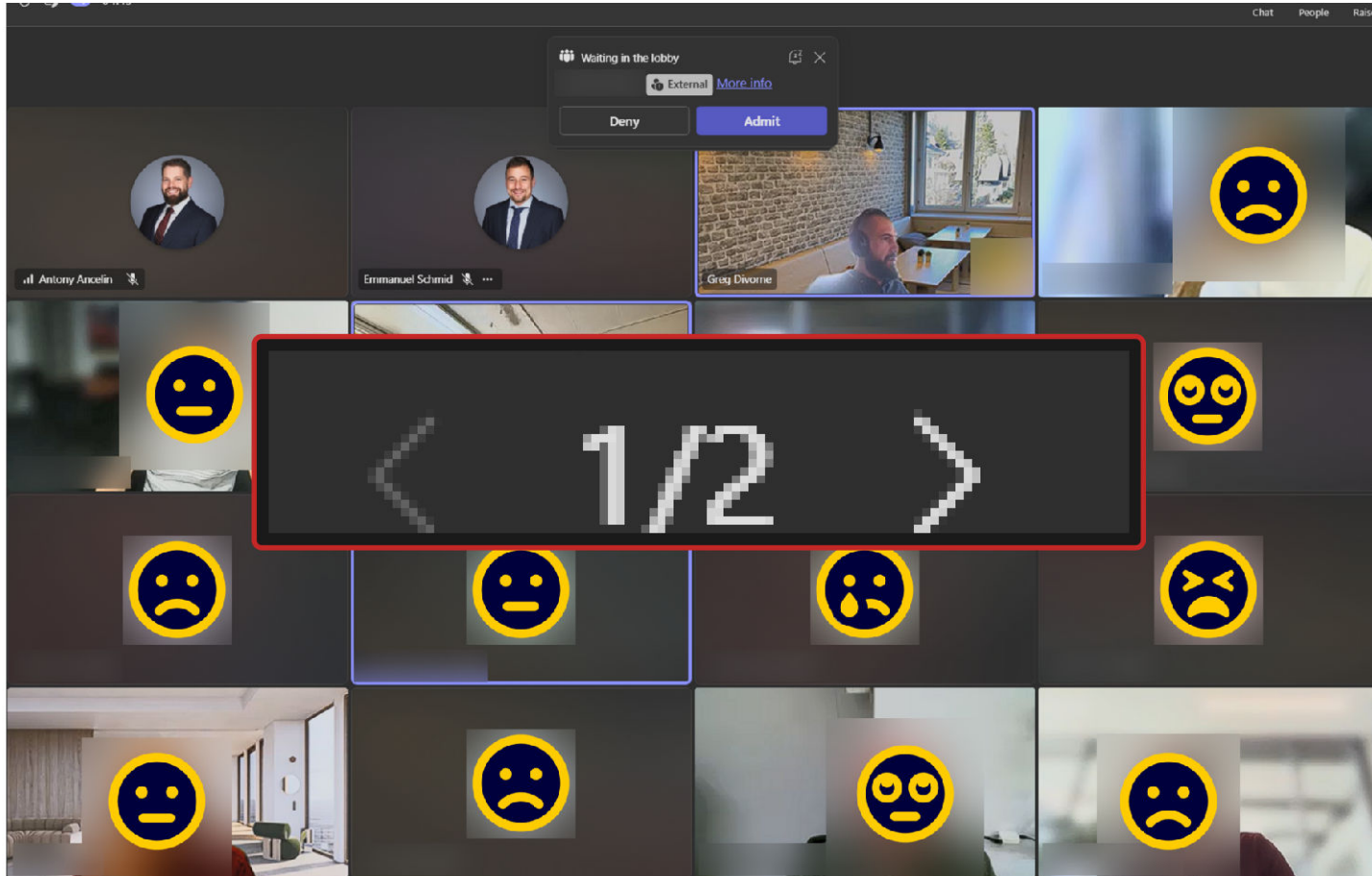
The (very) small call

TLP:CLEAR



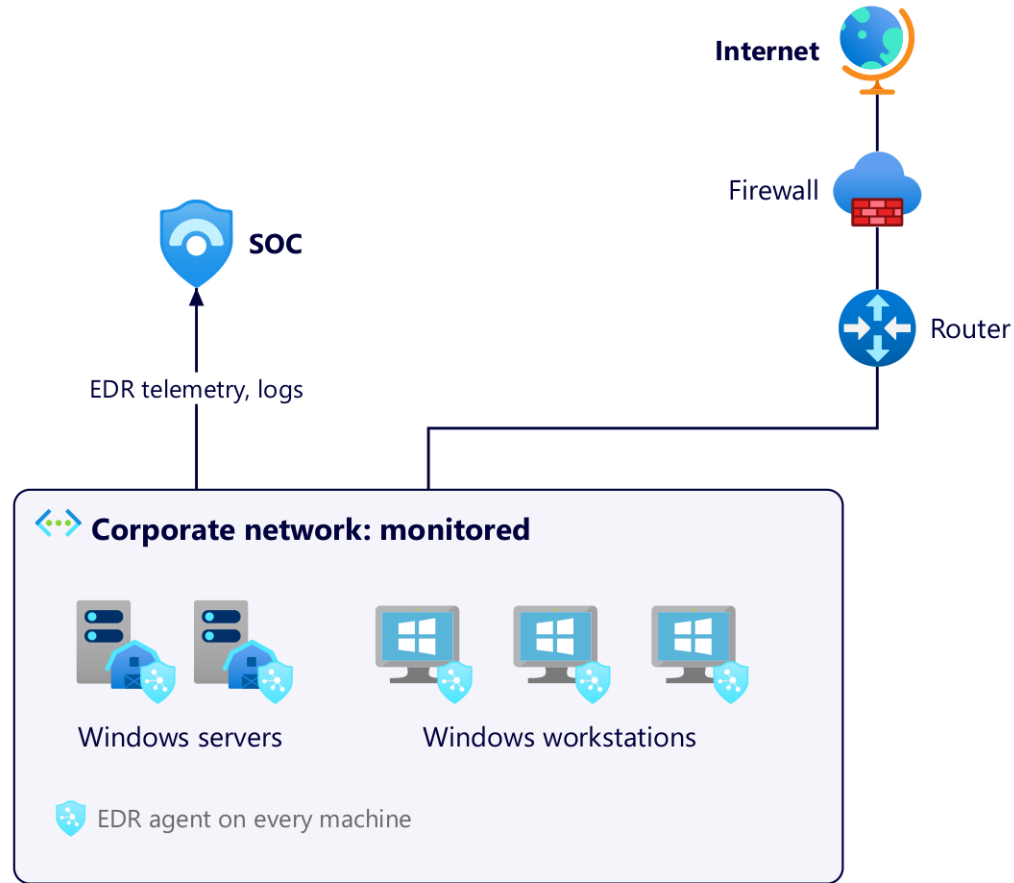
The (very) small call

TLP:CLEAR



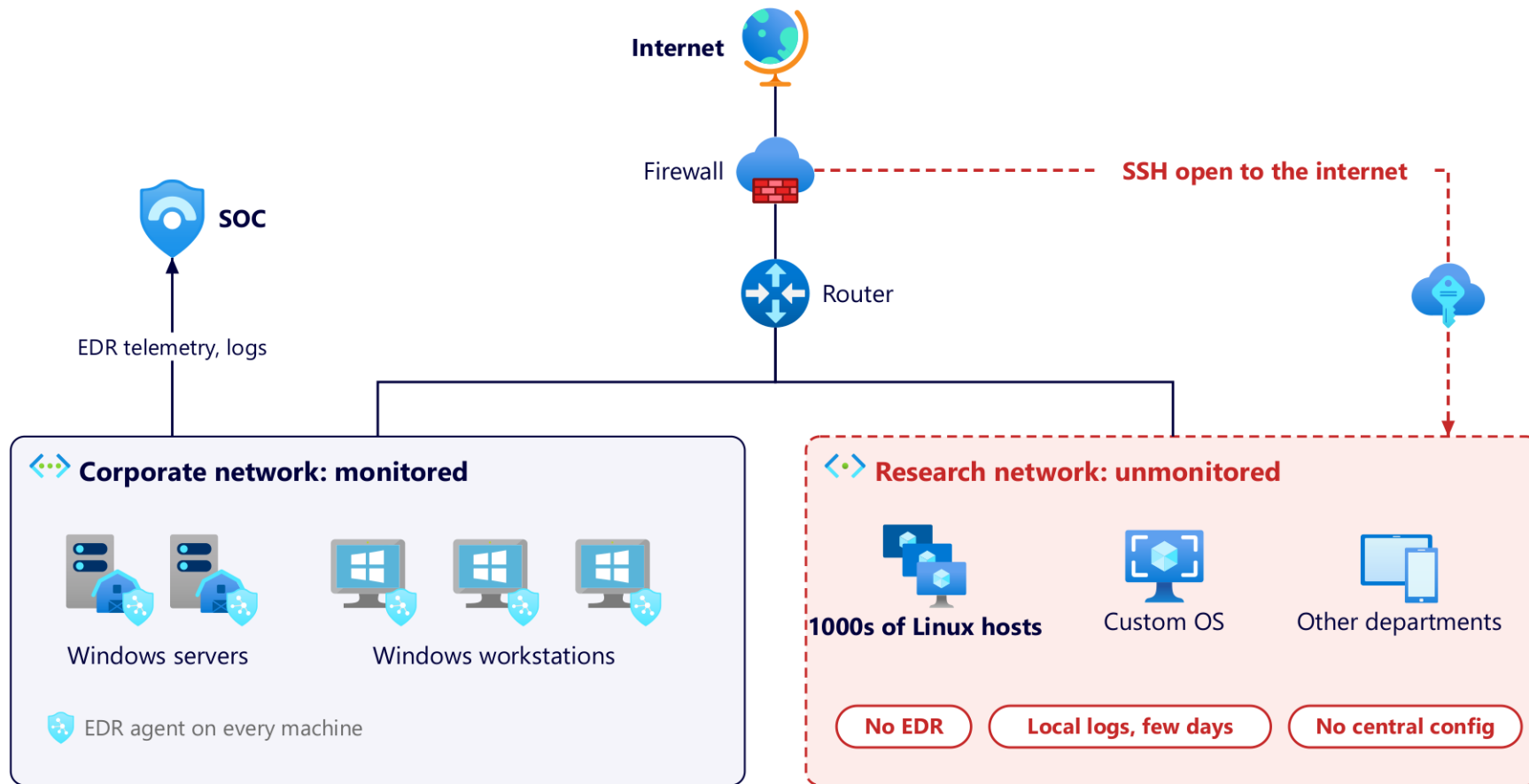
What is really there

TLP:CLEAR



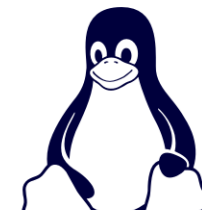
What is really there

TLP:CLEAR





Velociraptor



Auditd



Past artifacts, if still there



Quarantine: nftables, iptables



Logs raw actions



Follow the attacker, hunt IOCs



Containment and remediation calls

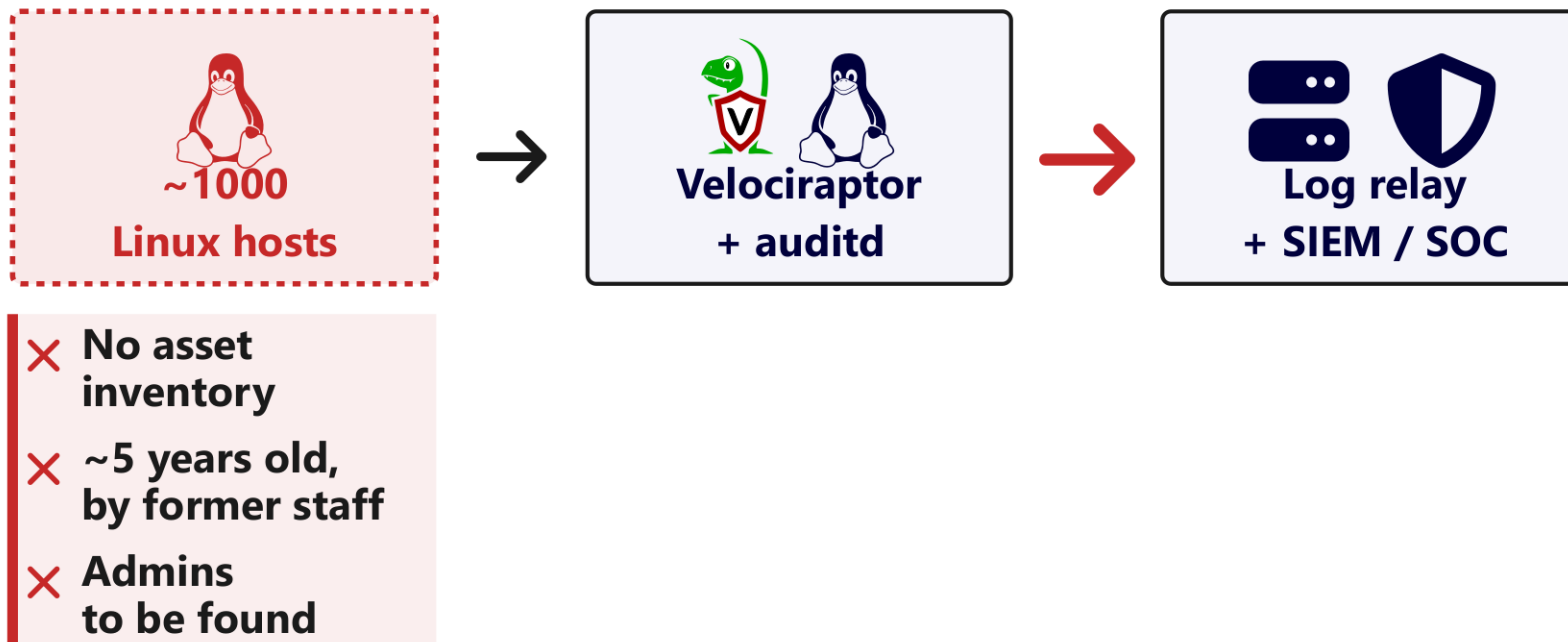
Visibility, the hard way

TLP:CLEAR



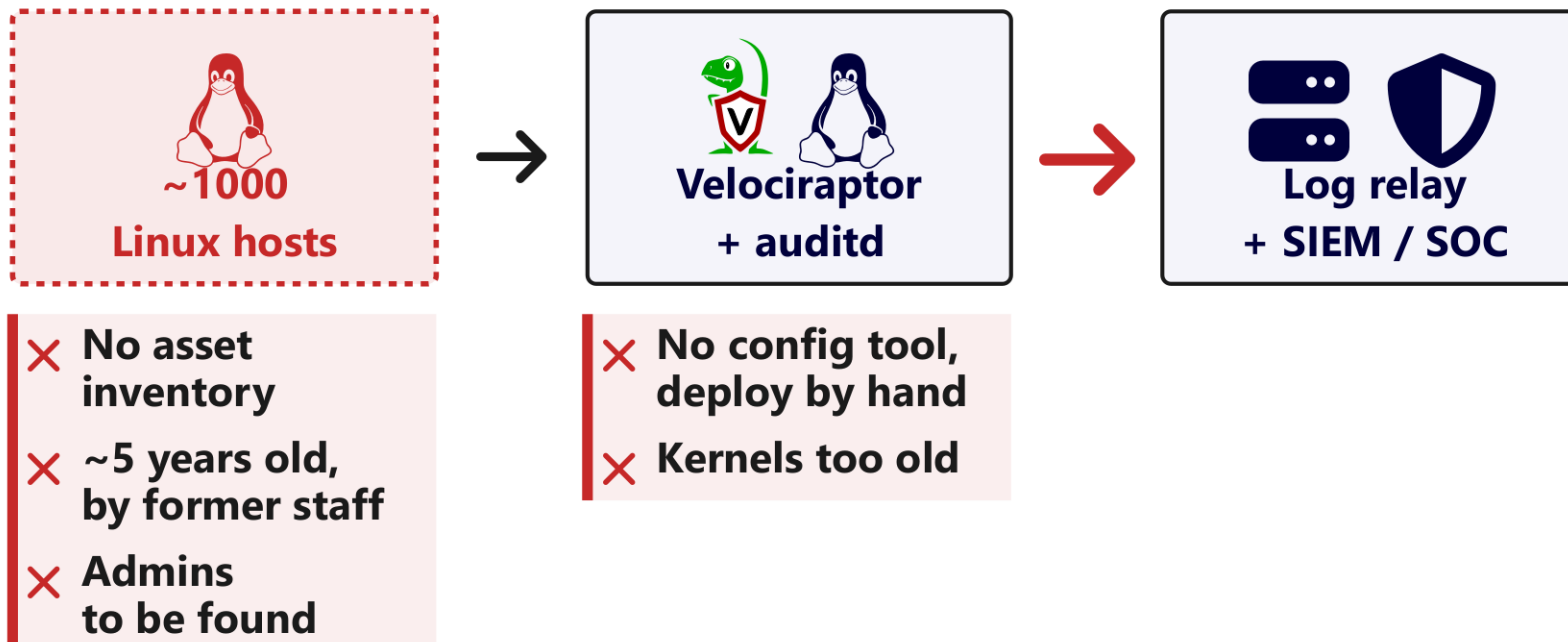
Visibility, the hard way

TLP:CLEAR



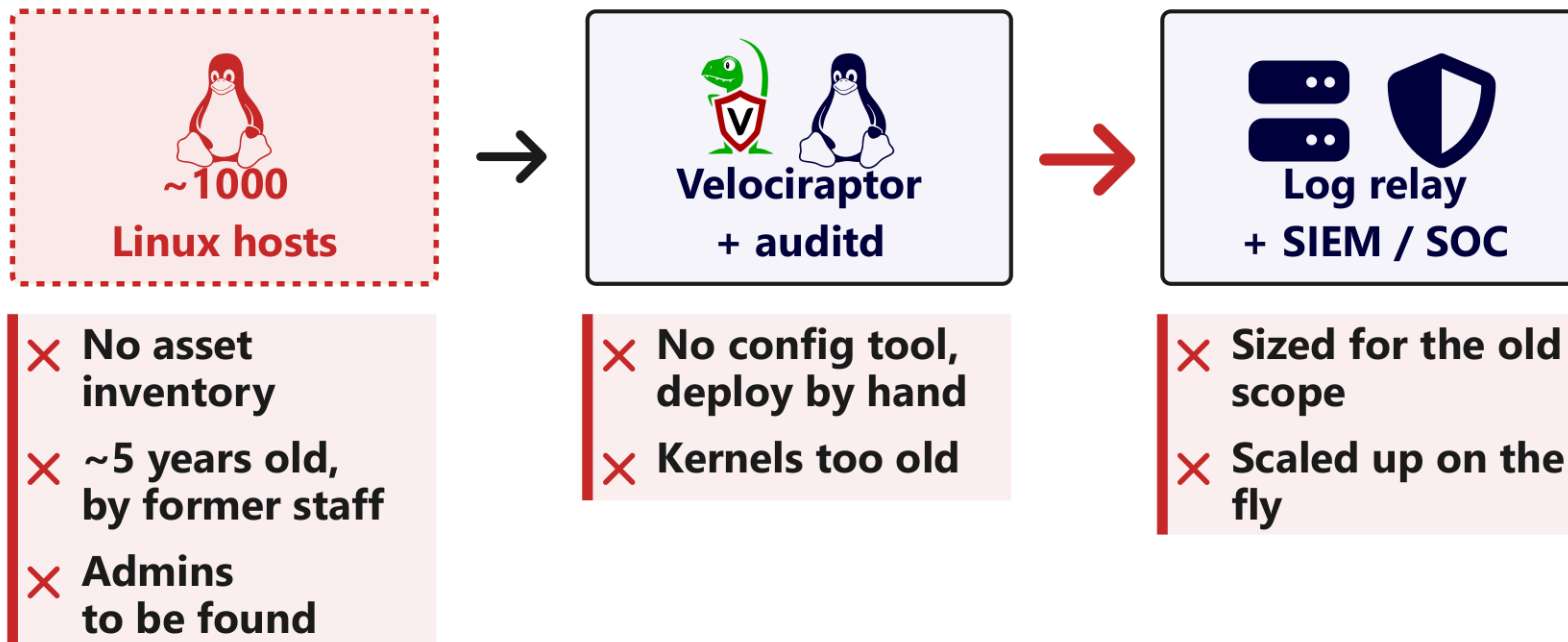
Visibility, the hard way

TLP:CLEAR



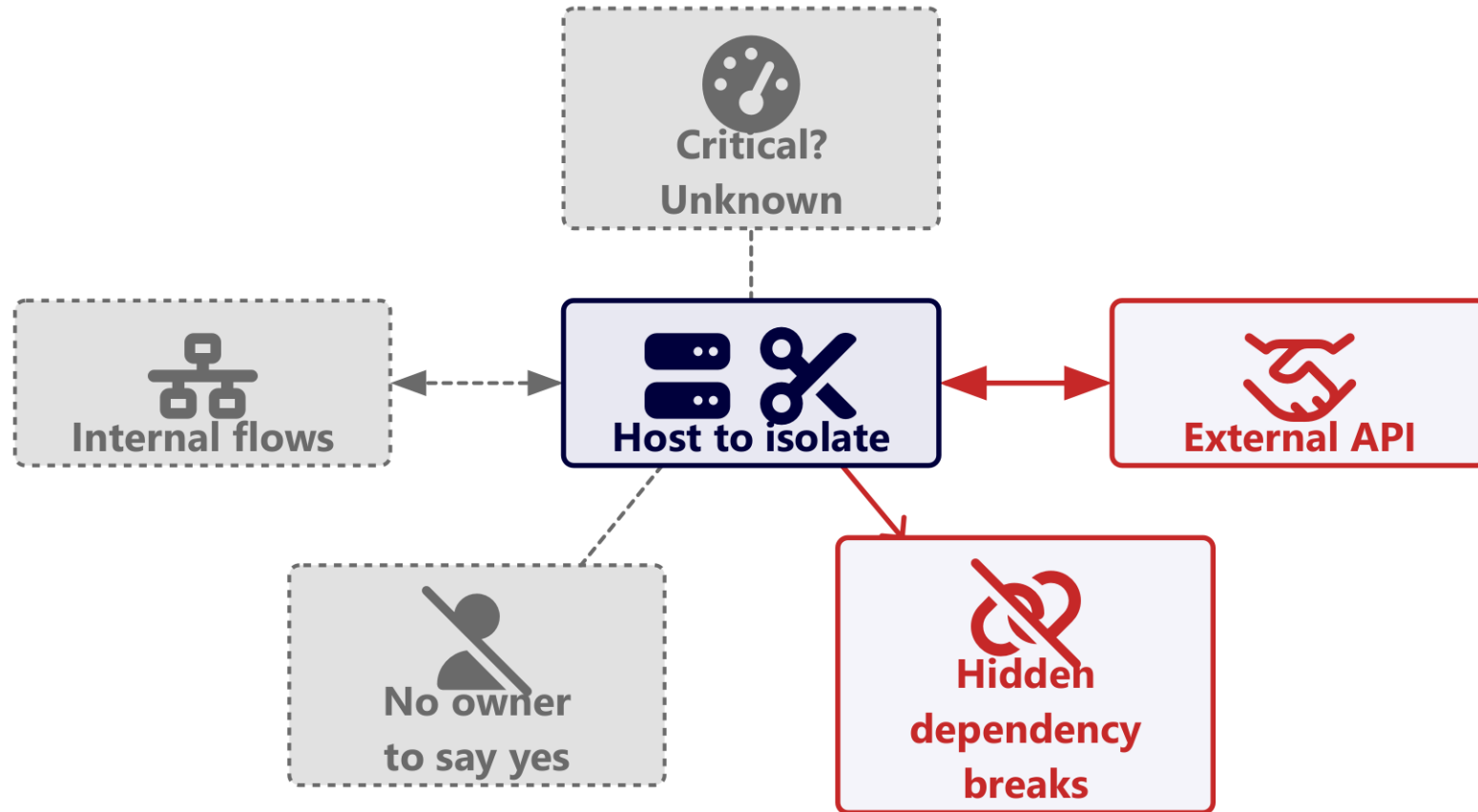
Visibility, the hard way

TLP:CLEAR



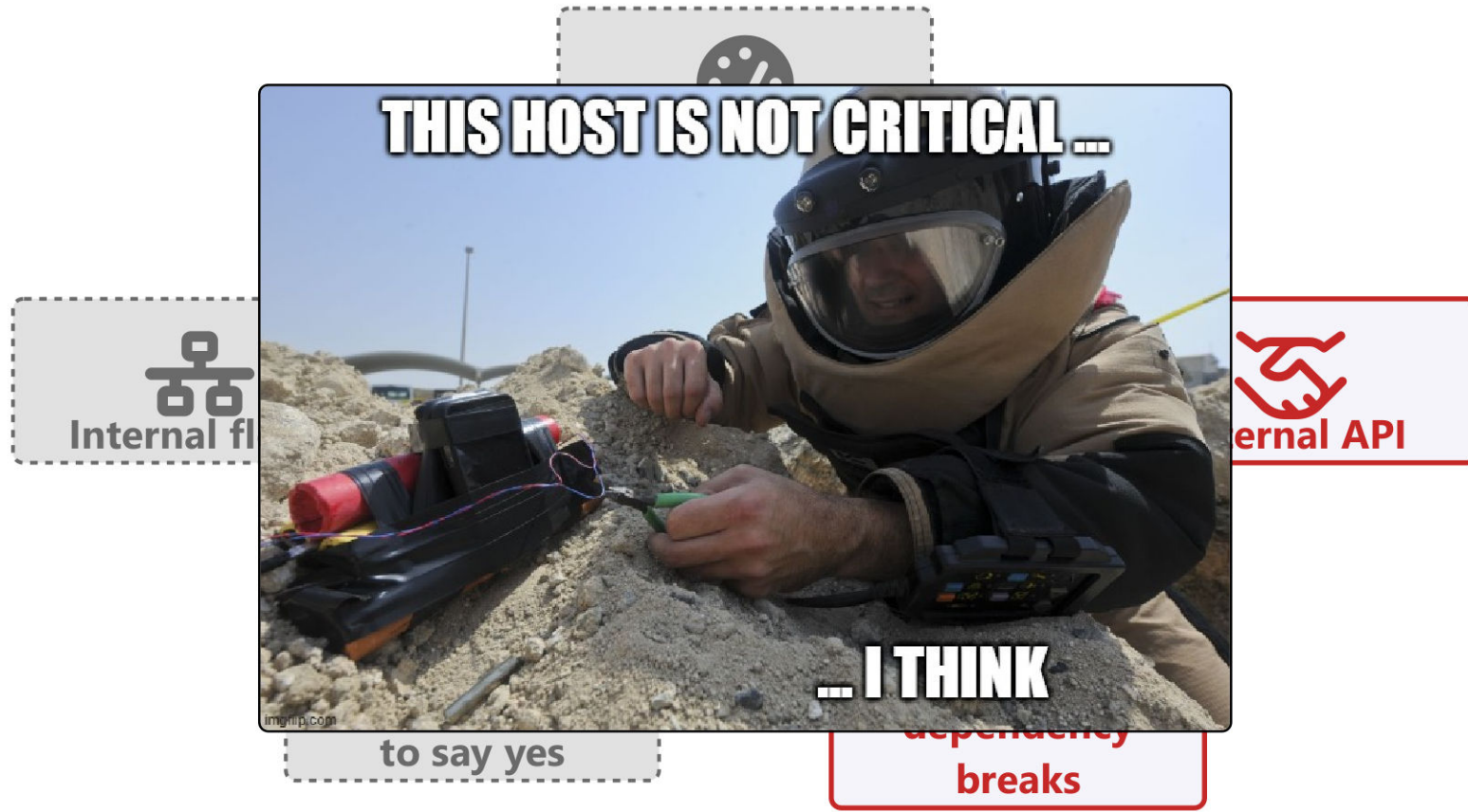
Red wire or blue wire ...

TLP:CLEAR



Red wire or blue wire ...

TLP:CLEAR



~1000 hosts... Which ones were hit?

>_ Staging dir, left behind

42 entries

```
$ ls .md/  
banner  
banner.log  
brute  
...  
ip-s*****  
ip.txt  
res.txt  
scan.log  
userpass.txt
```

Thanks for the notes

TLP:CLEAR

>_ Staging dir, left behind

42 entries

```
$ ls .md/
```

>_ Banner grabber

banner

```
$ strings banner | grep -A1 grabber
```

```
banner grabber by PRG
```

```
usage: %s <infile> <port> <threads>
```

```
ip-s*****
```

```
ip.txt
```

```
res.txt
```

```
scan.log
```

```
userpass.txt
```

Thanks for the notes

TLP:CLEAR

>_ Staging dir, left behind

42 entries

```
$ ls .md/
```

>_ Banner grabber

banner

```
$ strings banner | grep -A1 grabber
```

>_ masscan results

1605 SSH hosts

```
#masscan
```

```
banner tcp 22 10.x.x.x ssh SSH-2.0-OpenSSH_8.7
```

```
banner tcp 22 10.x.x.x ssh SSH-2.0-OpenSSH_7.4
```

```
banner tcp 22 10.x.x.x ssh SSH-2.0-OpenSSH_5.2
```

Thanks for the notes

TLP:CLEAR

>_ Staging dir, left behind

42 entries

```
$ ls .md/
```

>_ Banner grabber

banner

```
$ strings banner | grep -A1 grabber
```

>_ masscan results

1605 SSH hosts

```
#masscan
```

>_ Brute force, then CPU check

80 hosts cracked

```
echo "Made in Moldova"
```

```
./haiduc 300 -b $1 pass 22 \
```

```
"nproc;uptime;uname -m"
```

```
[+] 10.x.x.x 22 root *****
```

```
[+] 10.x.x.x 22 postgres *****
```

Thanks for the notes

TLP:CLEAR

> Staging dir, left behind

42 entries

\$ ls .md/

> Banner

\$ str

> m

#ma

ba

ip-s

ip.t

res.txt

scan.log

userpas

banner

05 SSH hosts

80 hosts cracked

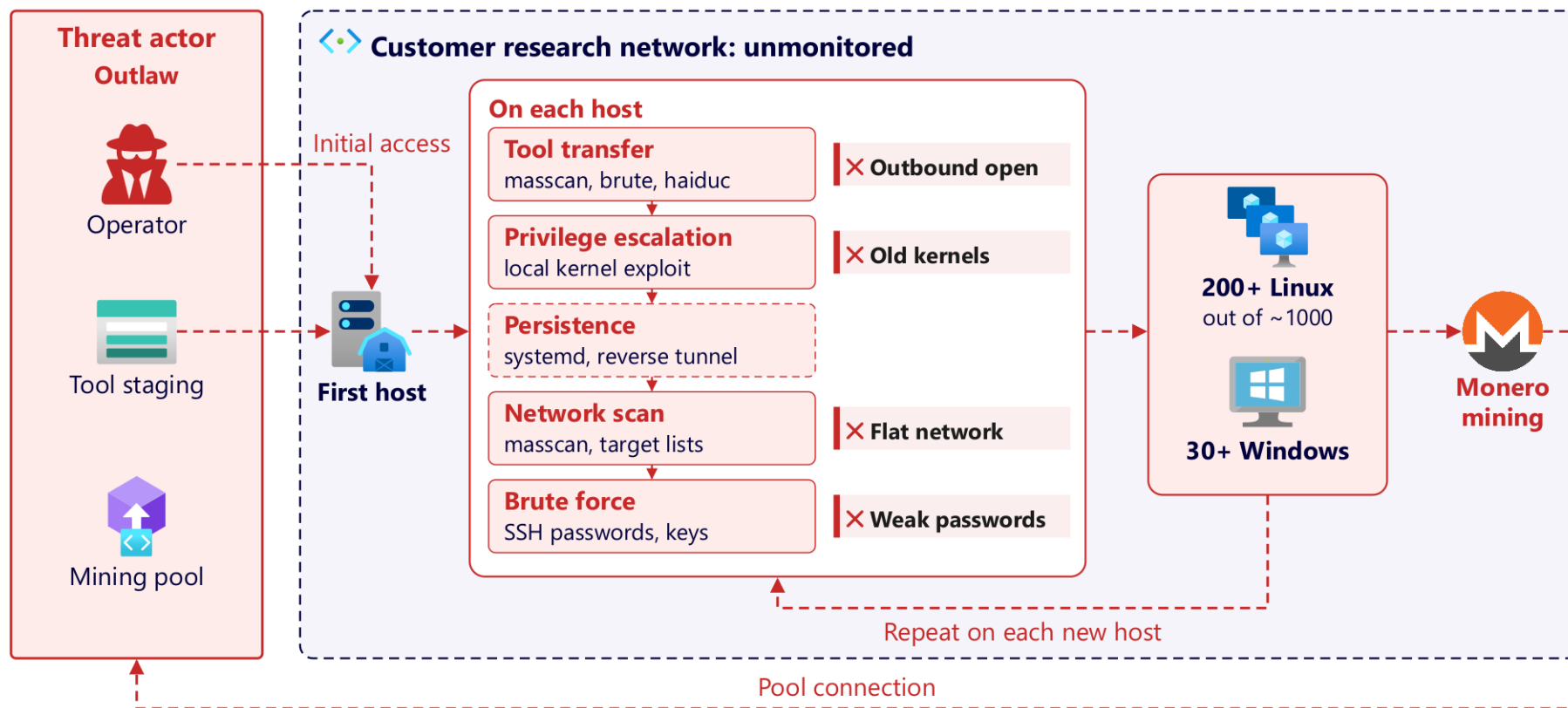


imgflip.com

[+] 10.x.x.x 22 postgres *****

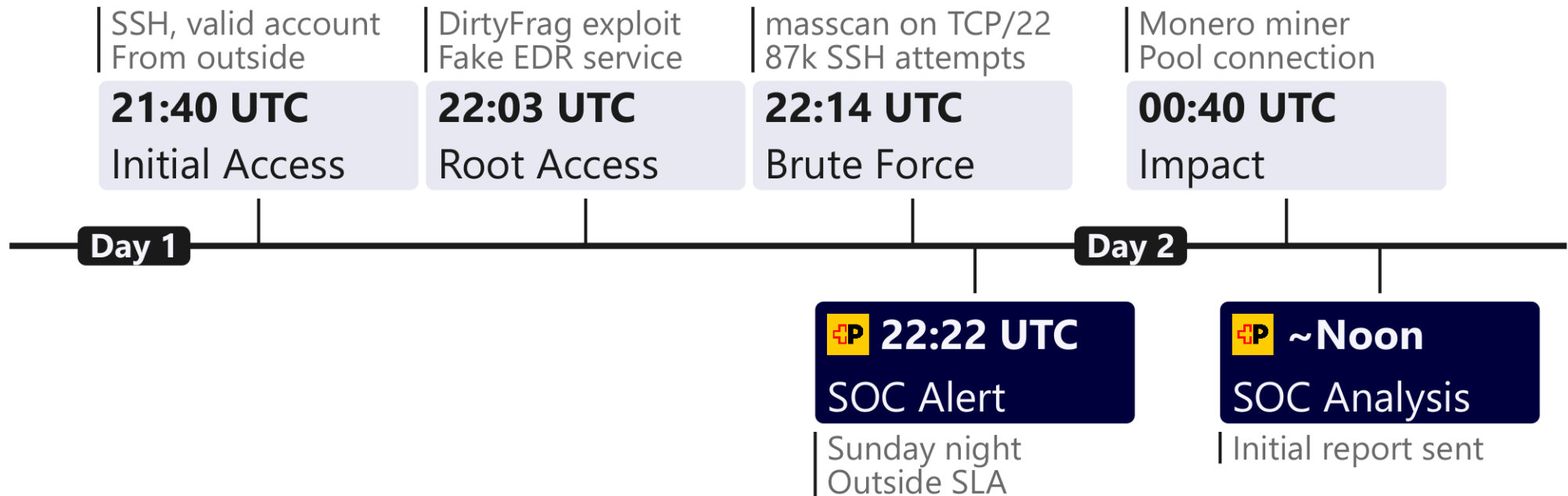
How it spread

TLP:CLEAR



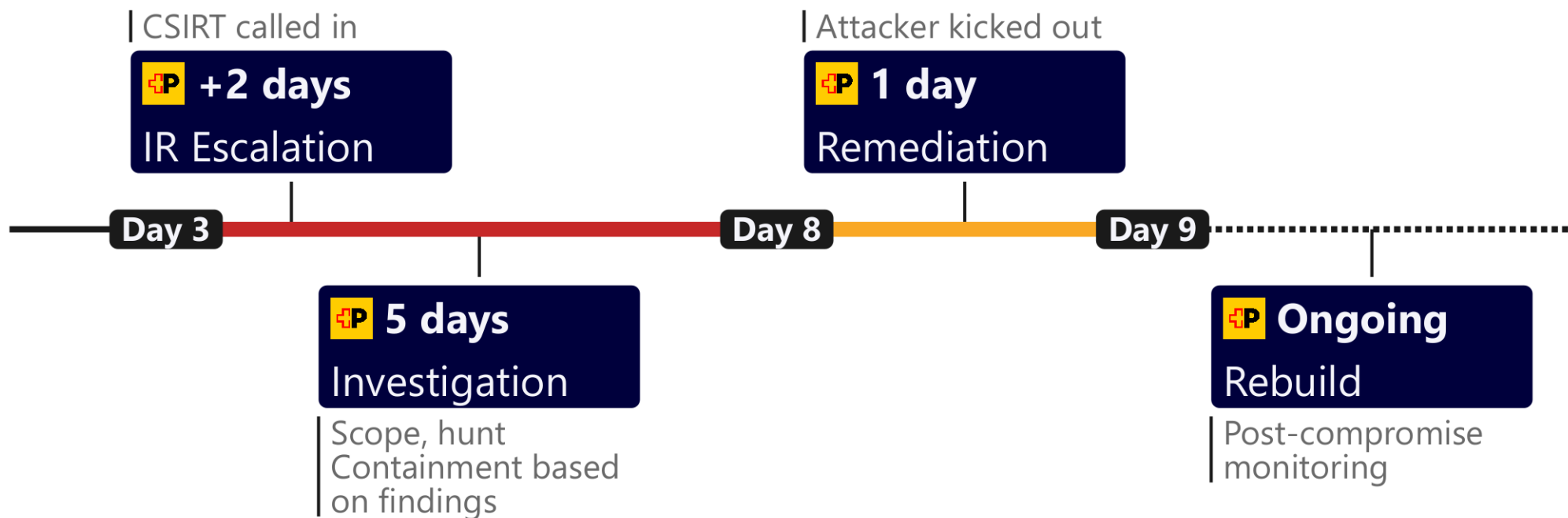
How fast it went

TLP:CLEAR



The response

TLP:CLEAR



The bigger picture

10%

Of our incident response cases
involve some form of shadow IT.



Assumed contract

provider drops by,
no real contract



Merged company

its IT came along,
nobody reviewed it



Ninja project

built around security,
shipped to production



Assumed contract

provider drops by,
no real contract



Merged company

its IT came along,
nobody reviewed it



Ninja project

built around security,
shipped to production



Ex-staff server

still running,
no owner



Exposed test/dev

open to the internet,
never patched



- ☒ Deadline beats the security rules
- ☒ Set up in minutes: a card, a cloud account
- ☒ Asking IT feels slow, or ends in "no"
- ☒ Rules unclear, or nobody checks
- ☒ It works, so nobody turns it off



Longer dwell time

attacker stays while we search



Failed recovery

no backups, rebuild from scratch



Forensic blind spots

no logs, short retention



Longer dwell time

attacker stays while we search



False containment

unmapped system, attacker still in



Failed recovery

no backups, rebuild from scratch



Team fatigue

long days, no room for a 2nd case



Forensic blind spots

no logs, short retention



Rushed actions

a reboot or block warns the attacker



Technical



Discovery

asset inventory, scans, pentest



Alert on new assets

new subnets, unknown hosts



Baseline in place

logs, segmentation, outbound filter



IR readiness

tools ready, credentials rotated, hunt



Technical



Discovery

asset inventory, scans, pentest



Alert on new assets

new subnets, unknown hosts



Baseline in place

logs, segmentation, outbound filter



IR readiness

tools ready, credentials rotated, hunt



Governance



Define policies

what is allowed, who approves



Named owner

plus a backup



Tabletop exercise

with an unknown network in it



Written agreements

IT providers, acquired companies



Simple request process

no blame when reported



Technical



Discovery

asset inventory, scans, pentest



Alert on new assets

new subnets, unknown hosts



Baseline in place

logs, segmentation, outbound filter



IR readiness

tools ready, credentials rotated, hunt



Governance



Define policies

what is allowed, who approves



Named owner

plus a backup



Tabletop exercise

with an unknown network in it



Written agreements

IT providers, acquired companies



Simple request process

no blame when reported



Owner refuses changes: treat it as untrusted, isolate it, monitor the border

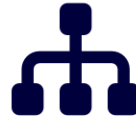
If it happens anyway

TLP:CLEAR



Task driven

tasks and priorities,
not emotions



Work streams

divide and conquer,
no more one big call



One rep per stream

speaks and decides



Regular follow-ups

findings, actions,
blocking points



IR basics

no reboot or wipe,
planned containment

**One of the best backdoors
an attacker can get**

**Danke,
Merci,
Grazie,
Thank you**

