



Security & Privacy

Ronald Starink / 2022-11-22



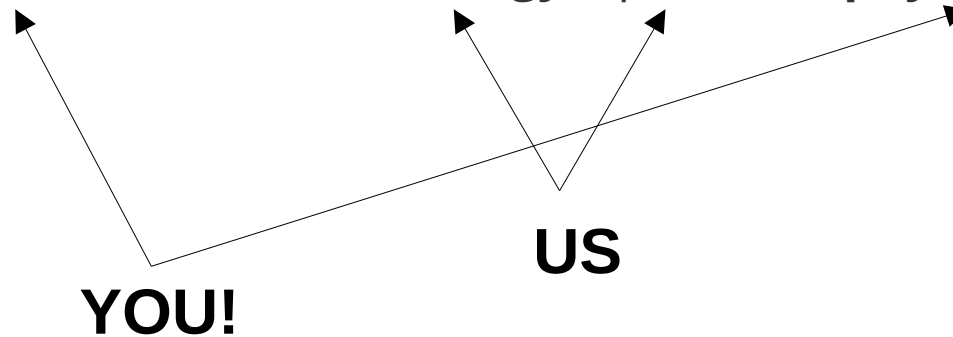
Outline

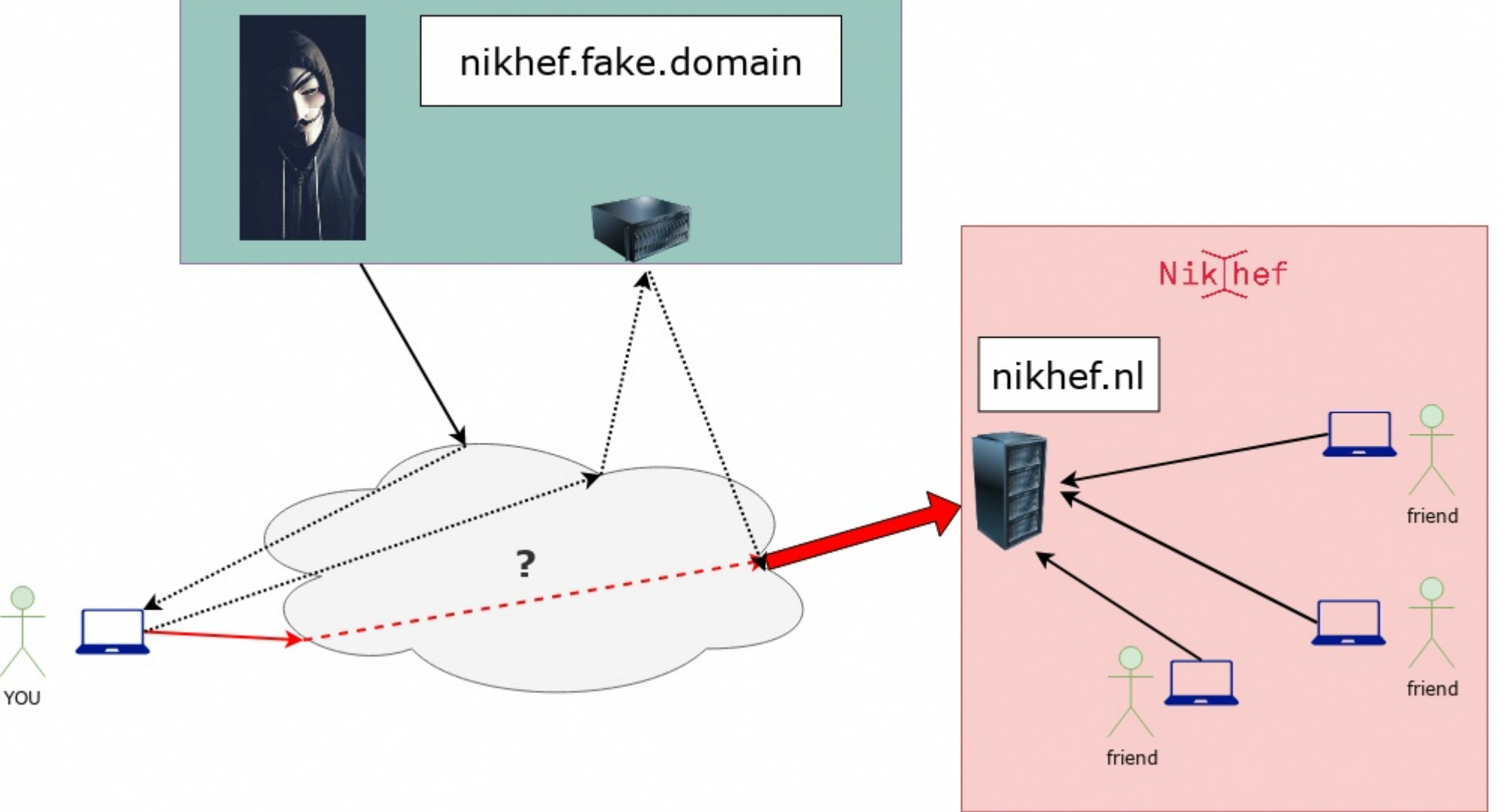
- Introduction
- Security
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- Summary & More Info

Introduction



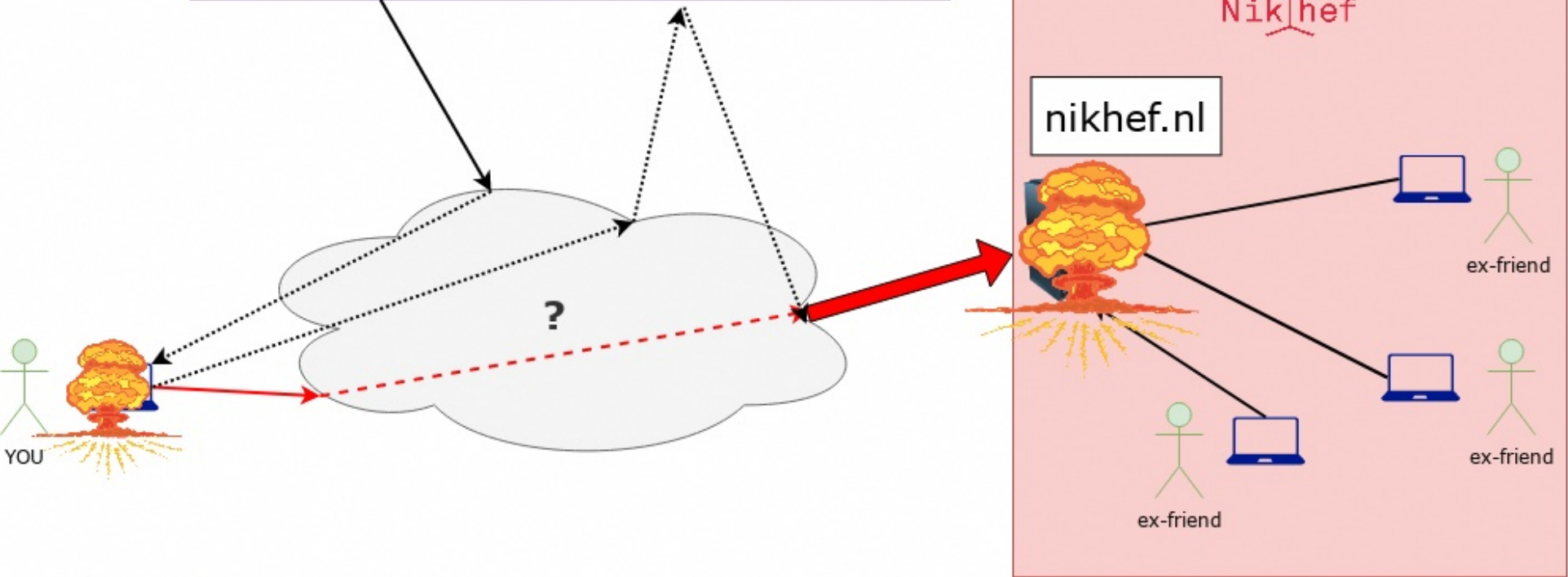
- Why security & privacy?
 - **human behaviour + technology + process + physical security**







possible damage:
weeks-months recovery
data losses
many unhappy people



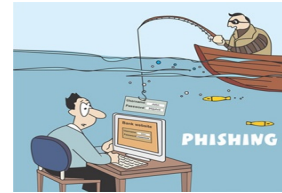
Security - concretely

- Choose a **unique, strong password** & store in password **safe**
- Only **change** your password at sso.nikhef.nl. Don't enter it outside nikhef.nl.



- Emails:

- **Links** – does the domain match the site?
- Attachments – expected?



- Use **ssh** with public/private keys instead of password
- Encrypt connections with **eduVPN**
- Only use (legal!) software from **reliable** sources (e.g. CT Helpdesk)
- Use firewall & virus scanner, install (security) updates
- **Be critical & think!** (or ask)

Privacy



- General Data Protection Regulation (GDPR)
 - Protection of *personal data of identifiable individuals*
 - E.g. name, phone, email address, gender, age, account name, license plate, pictures, preferences, ideologies, medical data
 - Data leak → must report
 - E.g. lost/stolen laptop, mail to wrong recipient, publishing, sharing via gmail/dropbox, printing CV and forgetting it at the printer
 - Rights of individuals concerning their data
 - E.g. to see, have it corrected, erased (if allowed)

Privacy - concretely

- Don't **collect, store or publish** personal data
 - Unless strictly needed → register processing
- **Encrypt** harddisk, drives (also backup!)
- **Lock** your computer's **screen**
- Be **careful** with free online services
 - If the service is free, **you** are the product
- Possible privacy **incident** → **report** to privacy@nikhef.nl



Quizz

- Is it allowed to publish this info on a web site?

```
login2.nikhef.nl - Konsole
[ronalds@solnan ~]$ qstat -n1 | head -20
burrell.nikhef.nl:
Elap                               Req'd  Req'd
Job ID                               SessID NDS  TSK  Memory  Time  S
-----
12211103.burrell.nikhef.nl 3:35:28 wn-sate-059 generic7 ana_offshell-def 93549 1 1 12000 24:00:00 R 2
12211104.burrell.nikhef.nl 3:28:58 wn-sate-062 generic7 ana_offshell-def 111466 1 1 12000 24:00:00 R 2
12211105.burrell.nikhef.nl 3:19:34 wn-sate-061 generic7 ana_offshell-def 78956 1 1 12000 24:00:00 R 2
12211106.burrell.nikhef.nl 3:18:45 wn-sate-062 generic7 ana_offshell-def 119700 1 1 12000 24:00:00 R 2
12211107.burrell.nikhef.nl 3:14:13 wn-sate-062 generic7 ana_offshell-def 124909 1 1 12000 24:00:00 R 2
12211108.burrell.nikhef.nl 2:09:31 wn-sate-067 generic7 ana_offshell-def 77690 1 1 12000 24:00:00 R 2
12211109.burrell.nikhef.nl 2:14:21 wn-sate-062 generic7 ana_offshell-def 42035 1 1 12000 24:00:00 R 2
12211110.burrell.nikhef.nl 1:10:01 wn-sate-066 generic7 ana_offshell-def 19471 1 1 12000 24:00:00 R 2
12211111.burrell.nikhef.nl 9:32:43 wn-sate-059 generic7 ana_offshell-def 123833 1 1 12000 24:00:00 R 1
12211112.burrell.nikhef.nl 9:31:20 wn-sate-079 generic7 ana_offshell-def 58256 1 1 12000 24:00:00 R 1
12211113.burrell.nikhef.nl 9:16:55 wn-sate-058 generic7 ana_offshell-def 22894 1 1 12000 24:00:00 R 1
```



Summary

- Security & privacy rely on human effort
 - We need **your help** to keep systems safe & available
- Incidents are real and will occur
 - Report suspicious activities a.s.a.p.
 - Be transparent



More Info

- Information:
 - Acceptable Use Policy (AUP): www.nikhef.nl/aup
 - Privacy statement: www.nikhef.nl/privacy/
 - CT documentation: wiki.nikhef.nl/ct/
- Questions & problems:
 - Security (incl. incidents): security@nikhef.nl
 - Privacy (incl. data leaks): privacy@nikhef.nl