

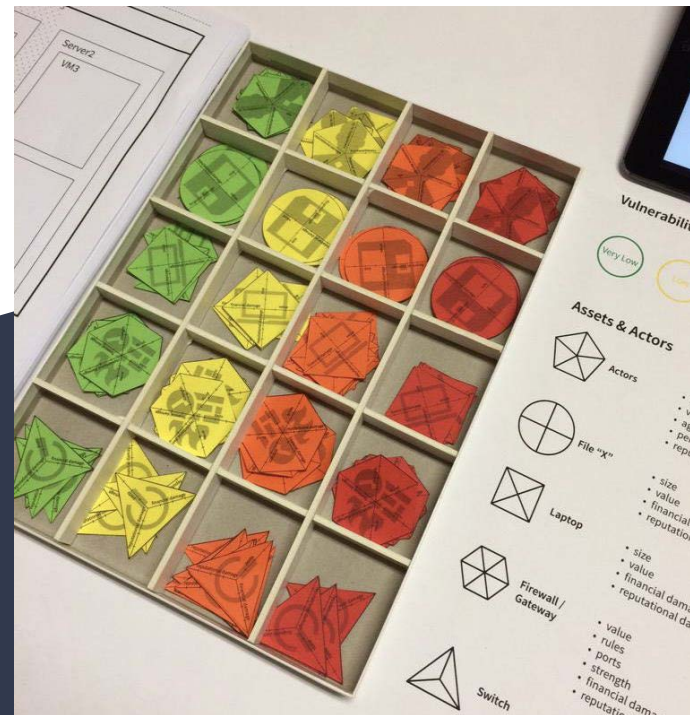
# Cyber Risk Management course

## Course team:

Pieter van Gelder (lecturer),

Yana Angelova (TA),

Guest speakers



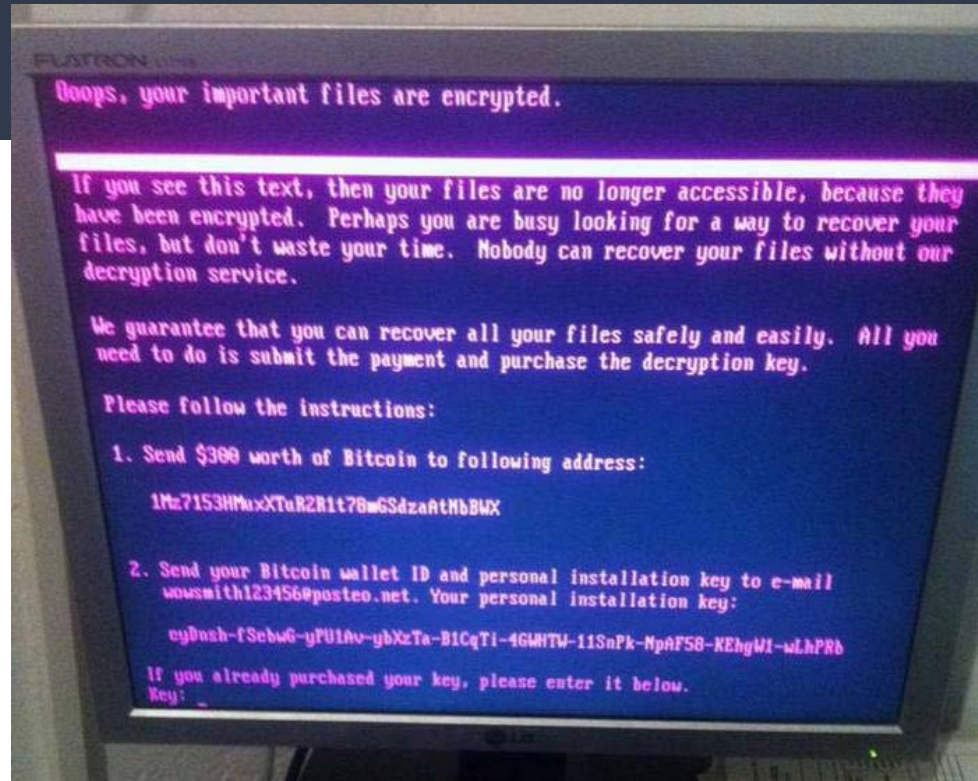


## Everyday Risk Management

# Cyber threats

```
0 00 00-6D 73 62 6C          mshl
0 6A 75-73 74 20 77          ast.exe I just w
9 20 4C-4F 56 45 20          ant to say LOUE
0 62 69-6C 6C 79 20          YOU SAN!! billy
0 64 6F-20 79 6F 75          gates why do you
3 20 70-6F 73 73 69          make this possi
0 20 6D-61 6B 69 6E          ble ? Stop makin
E 64 20-66 69 78 20          g money and fix
7 61 72-65 21 21 00          your software!!
0 00 00-7F 00 00 00          ♠ δ♥▶   H   Δ
0 00 00-01 00 01 00          ð_-ð_-   ☺   ☺ ☺
0 00 00-00 00 00 46          á☺      L   F
C C9 11-9F E8 08 00          ♦ ]êèù-⌊-fP☐
0 00 03-10 00 00 00          +▶H`☺   ♠   ♥▶
3 00 00-01 00 04 00          ♠♥   0   ð♥   ☺   ♦
```

Computer virus<sup>1</sup>

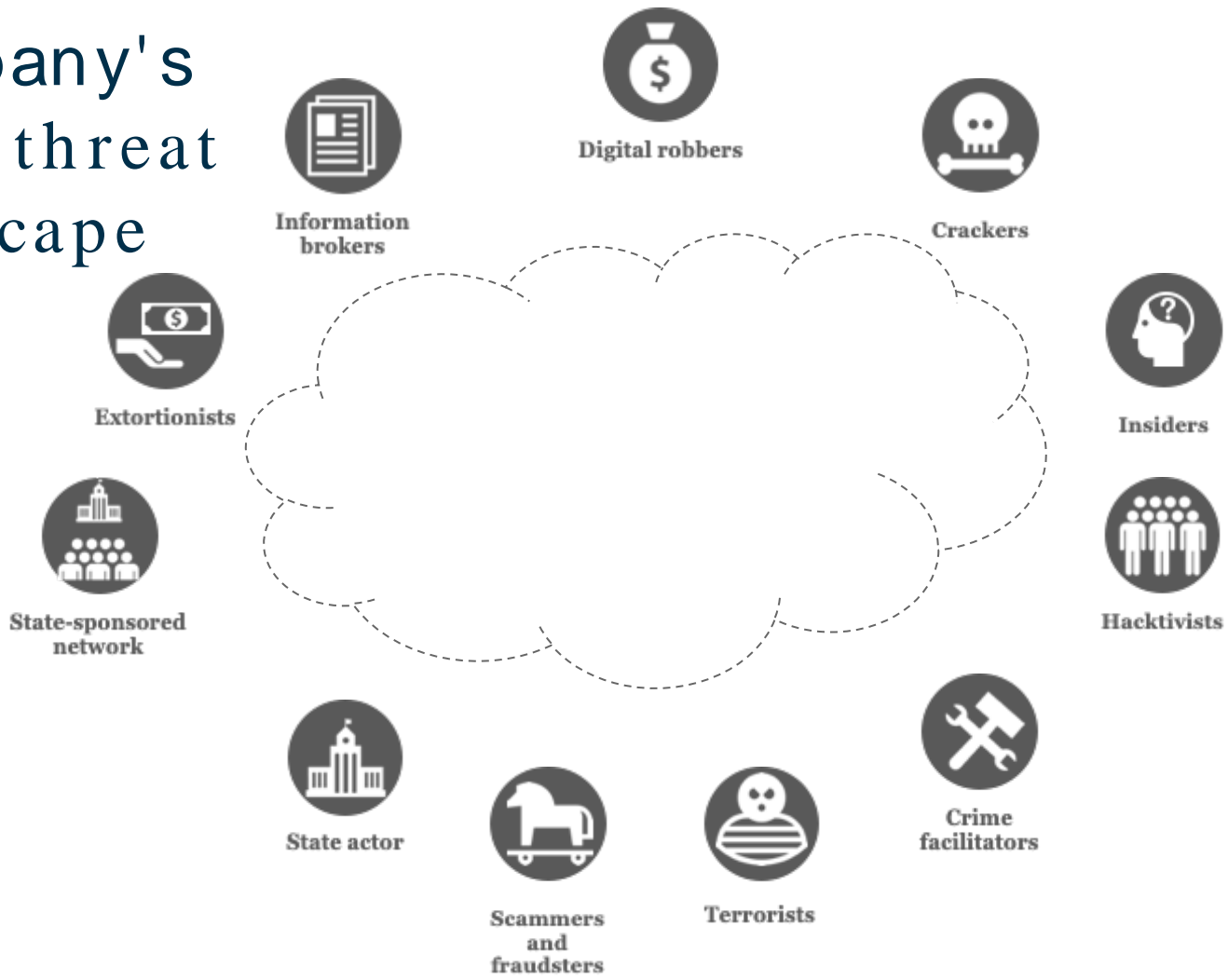


Ransomware<sup>2</sup>

<sup>1</sup> [https://en.wikipedia.org/wiki/Computer\\_virus](https://en.wikipedia.org/wiki/Computer_virus)

<sup>2</sup> [https://en.wikipedia.org/wiki/Petya\\_\(malware\)](https://en.wikipedia.org/wiki/Petya_(malware))

# Company's cyber threat landscape



# Key questions

1. How do we decide which risks are the most critical and how to mitigate them?

Preventive, detective and responsive.

2. How do we evaluate which security measures we should implement?

# Factors

3. How to combine systems, attackers and possible controls in making good security decisions?

4. Can there be "evidence-based security" as there is evidence-based medicine?

# Focus and structure

- Theory and application of cyber risk models and risk assessment
- Grading:
  1. Written exam (online via Mobius)
- CRM: more science; CSM: more practice
- More info on Brightspace (TPM027A)

