Attackers benefit from sharing information

How can you benefit, too?

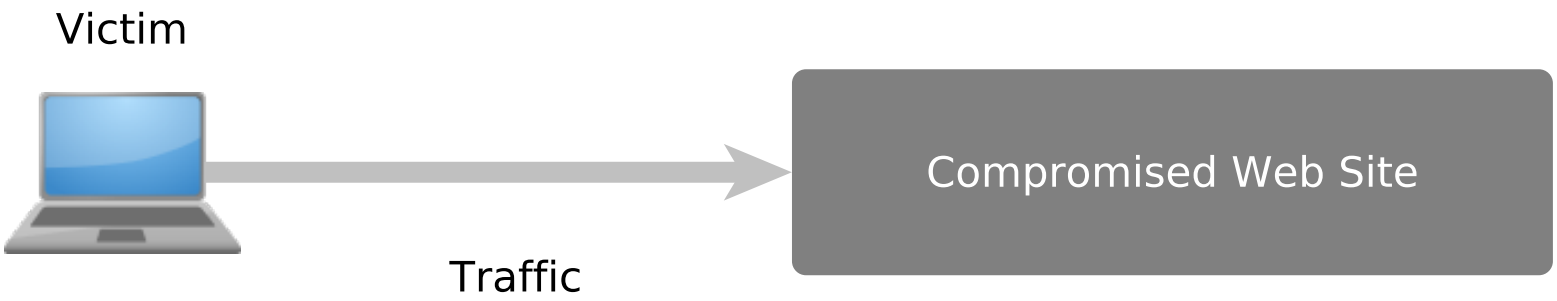
CIRCL
Computer Incident
Response Center
Luxembourg

Alexandre Dulaunoy -

TLP:WHITE

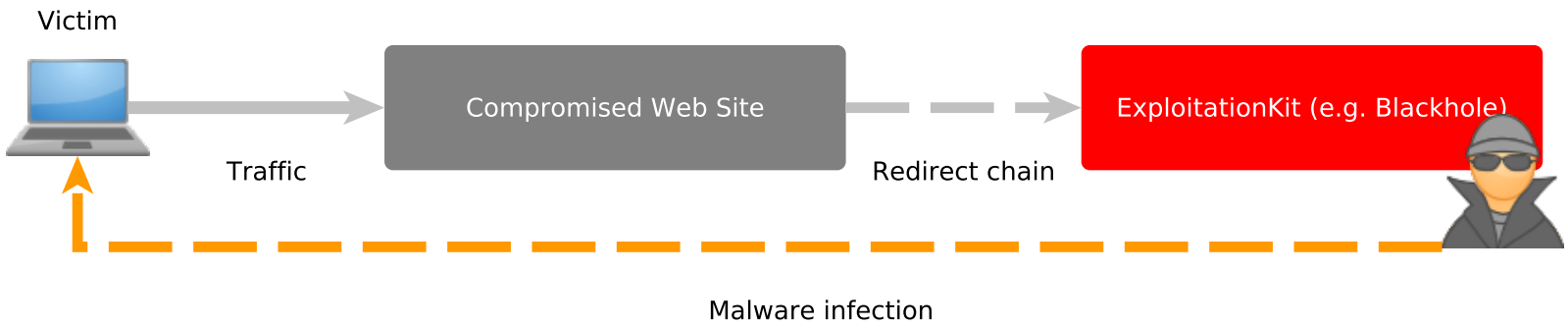
July 4, 2014

How attackers regularly infect Internet users?



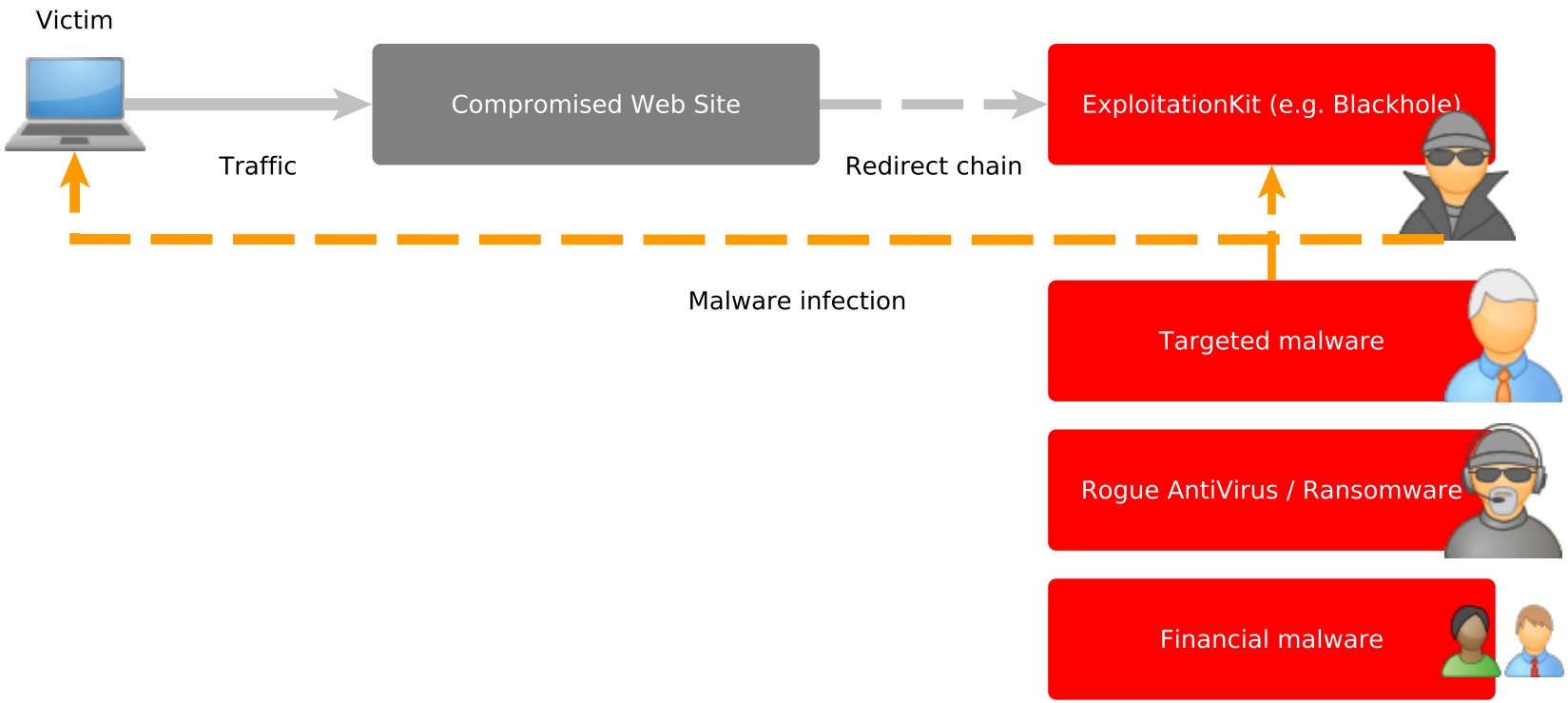
- Abuse vulnerable software (e.g. Web Browsers, plugins, ...)
- Find compromised webservers and install infective payload

What happen behind the scene?



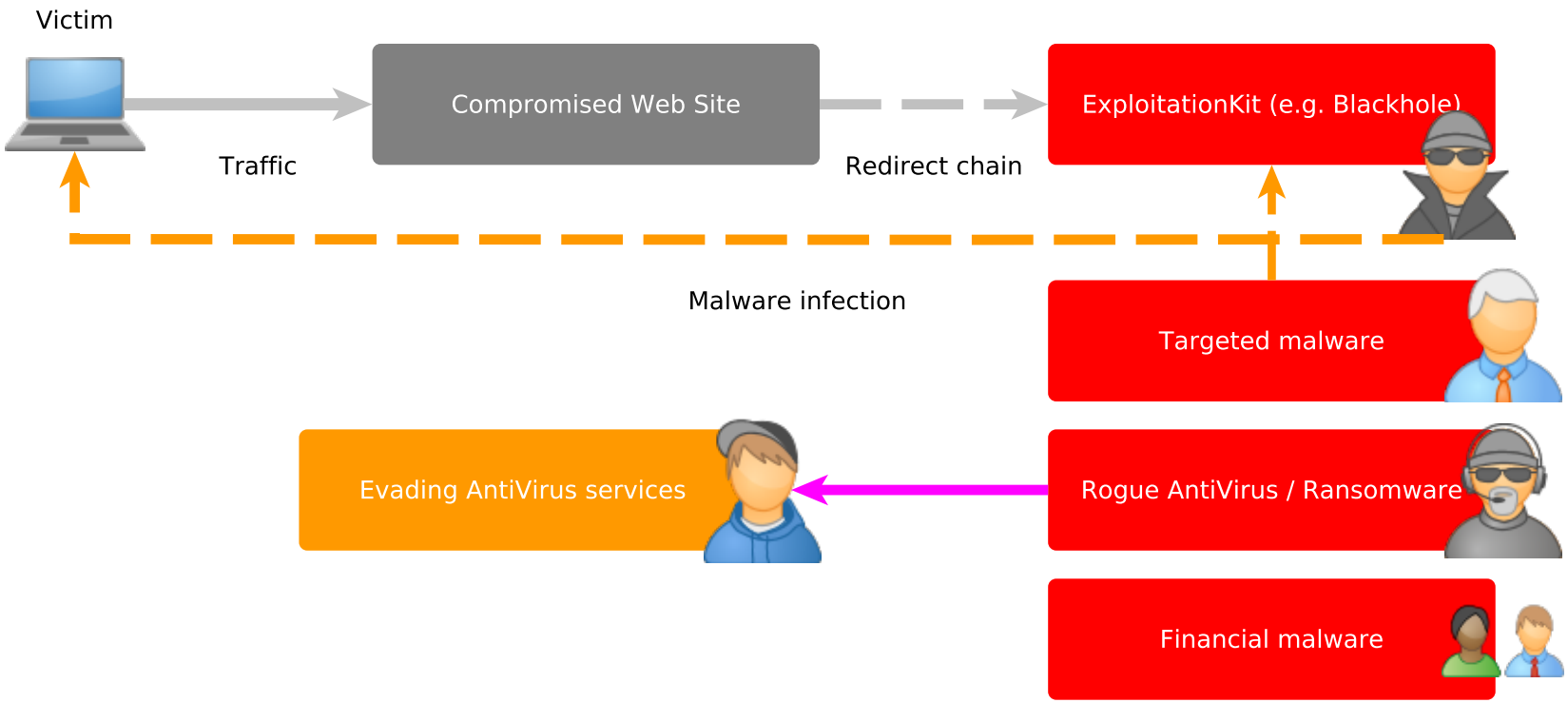
- Attackers industrialize exploitation with exploitation kit (e.g. Blackhole kit)
- Hide their back-office server in a mess of redirect links
- Communicate between the exploitation kit operators and the exploit developers

Targeting users and reselling services



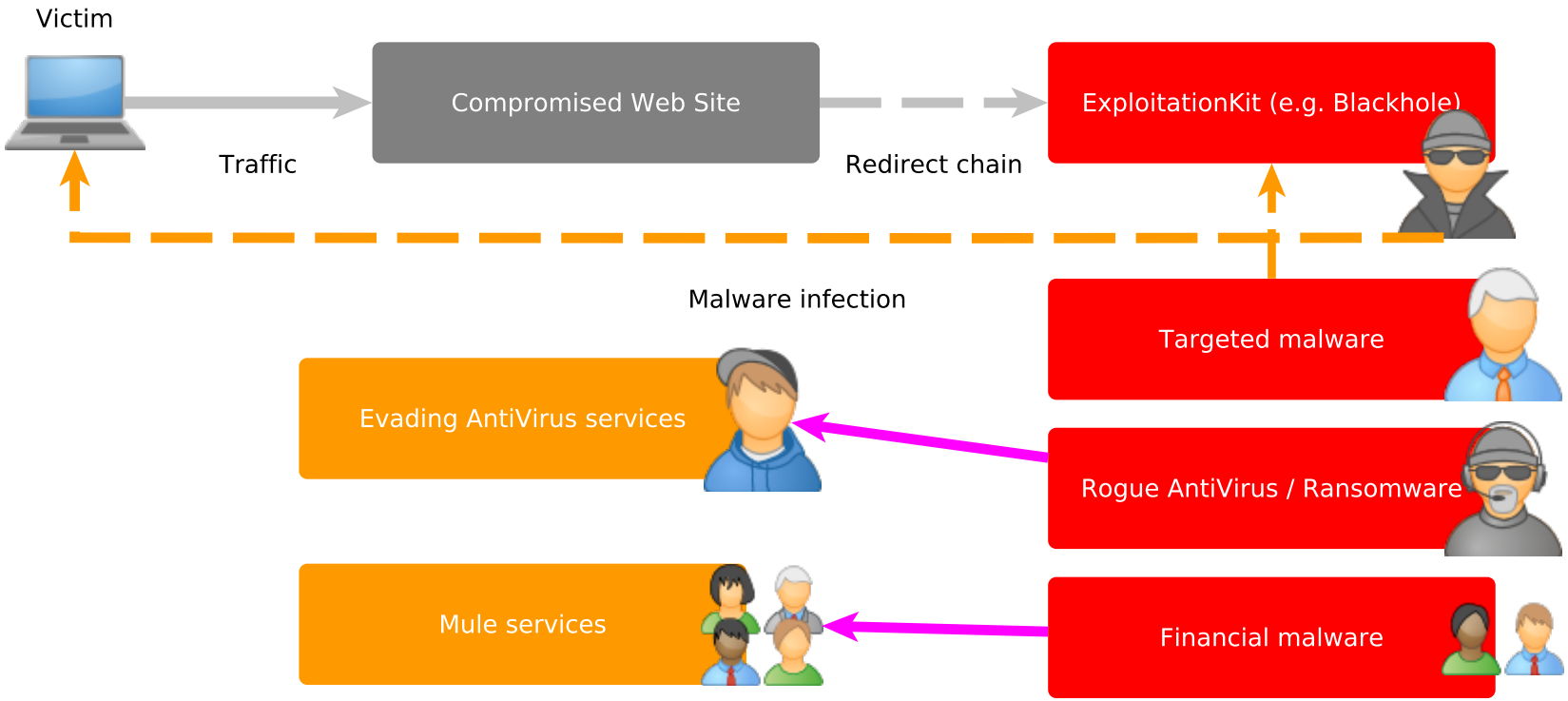
- Attackers get a huge set of (potential) victims classified by country, type, language, operating system...
- They provide services to other customers (e.g. financially attracted attackers, governments, spammers,...)

Is the freshly pushed malware detected?



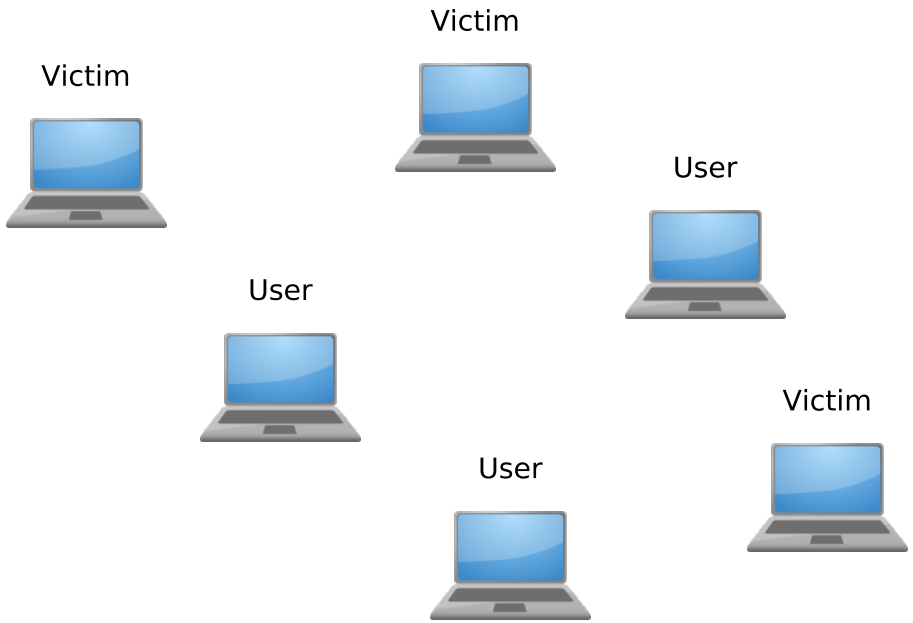
- While new markets emerge, there emerge new services, also for attackers

Getting the money out



- Cash-out is a key element for attackers to get the money out and drop the risks on the mules

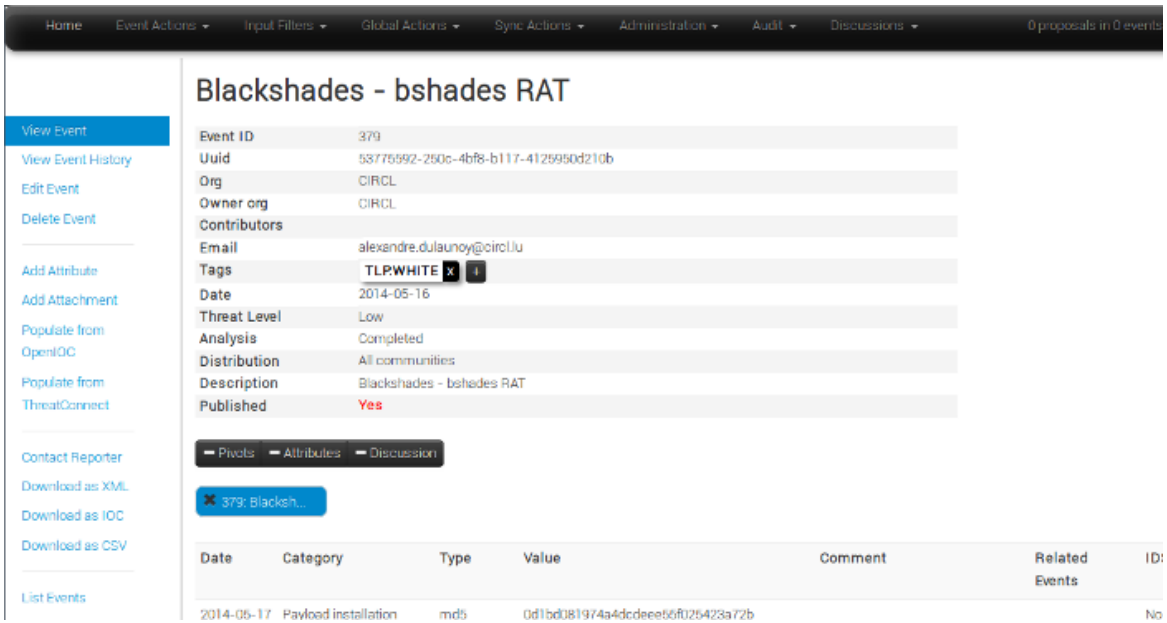
Defense and sharing



- Victims or user detecting threats who share can help others to detect/mitigate the threats
- Legal framework, confidentiality can be limiting factors for sharing

Malware Information Sharing Platform (MISP)

- A platform for sharing, storing and correlating Indicators of Compromises (IOCs) of attacks
- Private organizations in Luxembourg or accredited CERTs can request access to their respective MISP platform



Conclusion

- Attackers are often ahead, sharing and communication plays an important role for their success
- If you share threat intel and indicators, you can:
  - Avoid duplicate analysis work and concentrate on the unknown elements of an attack
  - Automate detection in your infrastructure and reduce the incident response time
- Do you want to share IOCs? Help others and benefit? → info@circl.lu
- PGP Key: CA57 2205 C002 4E06 BA70 BE89 EAAD CFFC 22BD 4CD5