

Sicher im Netz

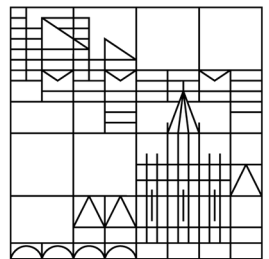
Wie Verschlüsselungstrojaner
funktionieren und was
wir dagegen tun können

ERpressung

Marcel Waldvogel

mw@uni.kn • 2020-01-17

Universität
Konstanz



→ Ransomware

Hintergrund

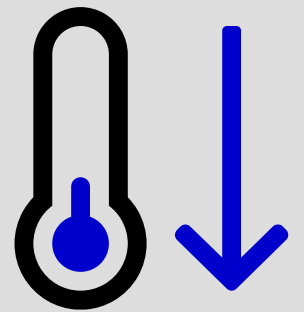
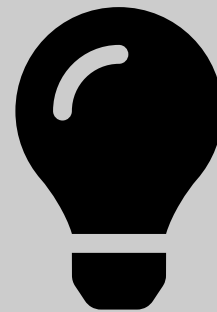
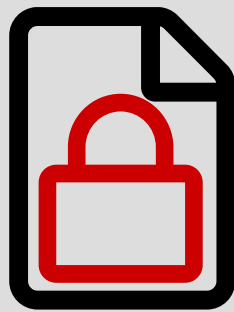
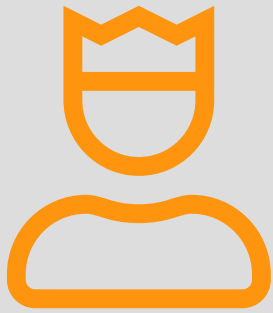
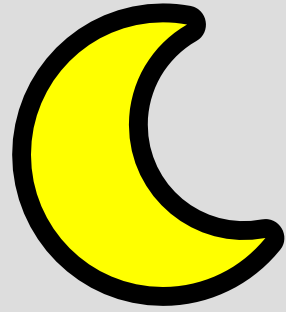
Schutz













Ooops, your files have been encrypted!

English



What Happened to My Computer?

Your important files are encrypted.

Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled. Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am

CMT from Monday to Friday

Payment will be raised on

9/21/2018 15:23:46

Time Left

02: 23: 58: 34

Your files will be lost on

9/25/2018 15:23:46

Time Left

06: 23: 58: 34

[About bitcoin](#)

[How to buy bitcoins?](#)

[Contact Us](#)



Send \$300 worth of bitcoin to this address:

13AM4VW2dhxYgXeQepoHkHSQuy6NgaEb94

Copy

Check Payment

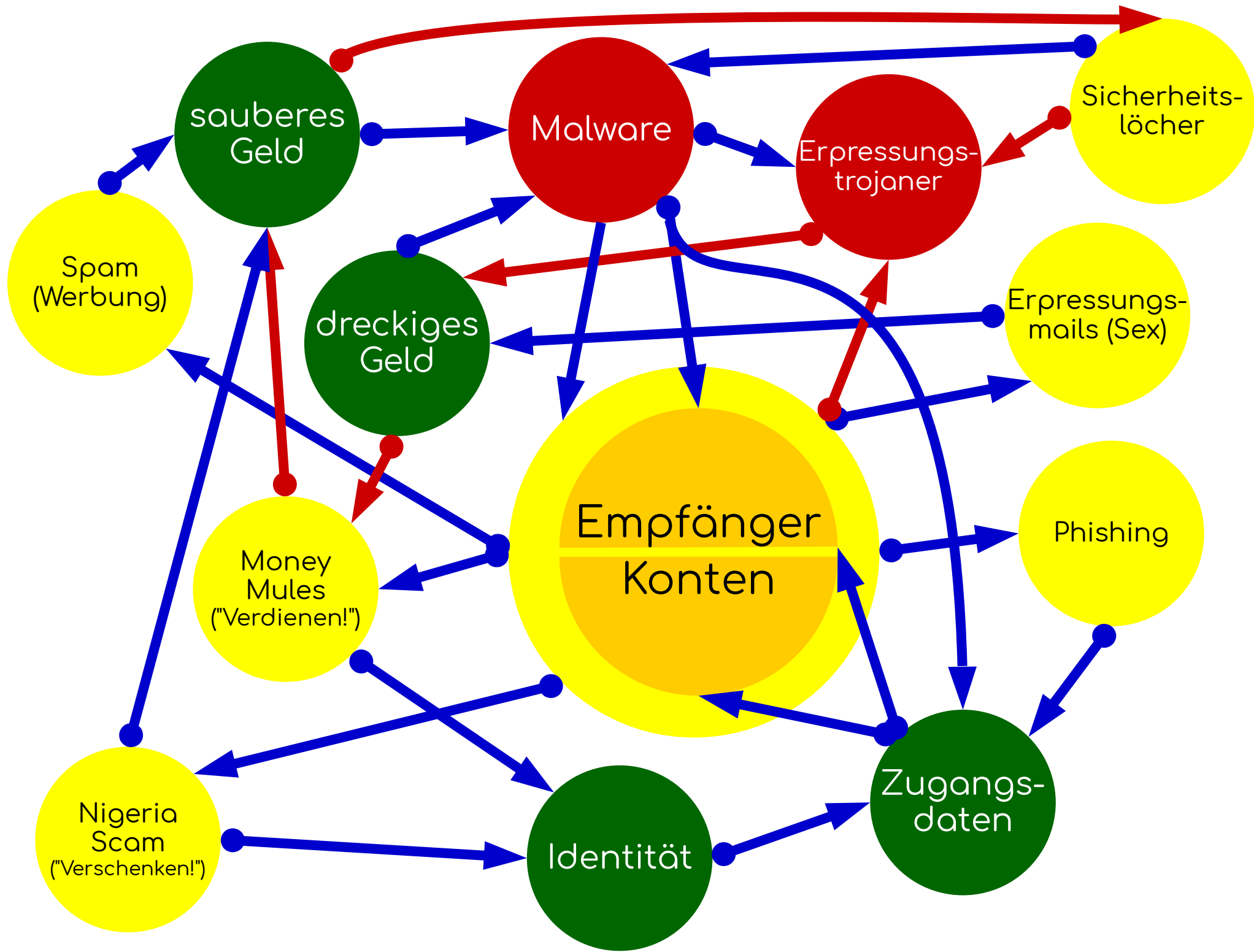
Decrypt

Ransomware

→ Hintergrund

Schutz

<div> <div>Verbreitung</div> <div>Schaden</div> </div>		Virus	Wurm	Trojaner
		Disk, Stick	Netz	Mensch
Ransomware	verschlüsselt		●	●
Spyware	spioniert			Phishing
Adware	bewirbt			
Scareware	erschreckt			
Dialler	Anruf, SMS			
Kryptominer	generiert			
Zombie	wartet		○	○



Hintergrund

Software hat Fehler

(schnell, bunt, billig, alt;
fehlende Standards)

Mensch macht Fehler

(Gier, Stress;
nicht genügend geschützt)

Systeme sind komplex

(Trend zur Kombination)

Ransomware

Hintergrund

→ Schutz



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Your important files are encrypted. All your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you've just locked your files to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

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CMT from Monday to Friday



Send \$300 worth of bitcoin to this address:

13AM4VW2dhxYgXeQepoHkHSQuy6NgaEb94

Copy

Check Payment

Decrypt

Kriminalität
Angriffe
vergeblich
wirkungslos

Selbst

Alarmglocken→Zweitmeinung bei

- Gier,
- Druck,
- Unüblichem
(ZIP mit Passwort, Makros, ...)

Backup

3 Kopien
2 Arten
1 anderer Ort

Zahlen

Erpresser niemals bezahlen
Reparatursoftware (mit Glück)
Neuinstallation!

Software

Aktuell
Möglichst wenig
Browser: Werbeblocker

Passwörter

Jeweils nur 1x verwenden
— insbesondere Mailkonten
Passwortmanager
Zwei-Faktor-Authentisierung

Vorbereiten

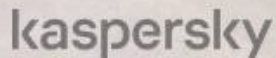
Risiken und Ressourcen kennen
Schutzziele und Schulung
Notfallpläne

NO MORE RANSOM!



PARTNERS

The No More Ransom portal was launched in July 2016 by four Founding Partners:



nomoreransom.org

Check if you have an account that has been compromised in a data breach

haveibeenpwned.com

Passwortcheck

DE ▾



Passwortcheck



Passworttipps



Systemablauf



Statistik



Impressum

Das zu prüfende Passwort lautet:

☐ Passwort anzeigen

Das eingegebene Passwort wird lokal überprüft und nie an den Server

passwortcheck.ch

iBarry



Willkommen bei iBarry.ch

Ich helfe Ihnen, sich vor Schadprogrammen im Internet zu schützen und halte viele Ratschläge zur Prävention bereit. Mit meiner Spürnase decke ich frühzeitig aktuelle Bedrohungen auf und informiere über Schutzmöglichkeiten unter **Check** und **digitale Sicherheit**. Damit Sie wissen, mit wem sie es zu tun haben, stellt sich der Verein, der mich ins Leben gerufen hat, unter **über uns** vor.

Aktuelle Kampagne:

Das Internet der Dinge

Wenn der Kühlschrank einkauft ...

[Mehr Infos...](#)



ibarry.ch