

Digitale Selbstverteidigung





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- Zu Veranschaulichungszwecken übersimplifizierte Sachverhalte haben nicht den Anspruch vollständiger technischer Korrektheit.
- Wenn euer Disney+ Abo gekündigt wird, weil das Befolgen meiner Ratschläge gegen die Disney AGB verstößt, könnt ihr mich nicht verklagen.
- Ausgesprochene Handlungsempfehlungen sind weder rechtlich geprüft noch stellen sie eine Rechtsberatung in irgendeiner Form dar.
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- Sed purus libero, gravida cursus metus et, lobortis condimentum elit. Phasellus sem tortor, pulvinar vel nisl et, faucibus ultricies sem. Vestibulum eros sapien, placerat vitae dui ut, varius sollicitudin risus. In id tempor eros, sed bibendum sapien. Mauris lobortis nisl risus, hendrerit gravida metus eleifend eu. In ac pulvinar turpis.
- Sed ut libero id libero interdum elementum in ac ligula. Sed quis fringilla leo. Maecenas hendrerit commodo enim, ut condimentum elit elementum tempor. Vestibulum tincidunt tempus nisi. Quisque eleifend turpis id dolor consequat, quis faucibus libero laoreet. Phasellus tempor, risus a finibus sodales, eros lectus imperdiet nunc, nec dictum arcu tellus eu eros. Duis pellentesque mauris massa, vitae dapibus lorem vulputate eget. Aenean gravida cursus metus, at tristique ligula viverra ac. Praesent maximus egestas gravida. Nunc a sapien ac lacus efficitur fermentum. Fusce vel faucibus sem. Fusce fermentum venenatis erat, quis porttitor ante rutrum id. Phasellus tristique facilisis ligula, eu consectetur tortor finibus a. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Morbi sollicitudin augue sed neque tempor vehicula.
- Nulla ut risus interdum est interdum pretium. Nunc imperdiet fermentum maximus. Maecenas nisl lorem, porttitor vitae metus vitae, ultricies elementum nunc. Nam ac dignissim urna. Donec augue est, rutrum quis tellus gravida, rutrum scelerisque nunc. Nunc tincidunt orci eget sem varius, vitae rhoncus lacus venenatis. Nam condimentum feugiat diam vitae pulvinar. Praesent tristique consequat velit nec maximus. Donec pellentesque nunc risus, vitae sollicitudin dui scelerisque a. Aliquam erat volutpat. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Ut feugiat diam et ligula sollicitudin molestie vitae quis purus. Duis eleifend massa at nisi eleifend iaculis.
- Vivamus quis auctor mauris, sed interdum nulla. In interdum nulla eget mattis accumsan. Phasellus facilisis arcu nisl, et vulputate risus sollicitudin lobortis. Ut volutpat iaculis lectus at congue. Aliquam convallis tincidunt metus, quis vehicula purus vestibulum ut. Integer rutrum augue est, sed ultrices nisl suscipit et. Pellentesque vel purus vel arcu lacinia pellentesque non quis dolor. Pellentesque pulvinar maximus urna ac pellentesque. Donec eu metus id enim sagittis lacinia. Quisque id congue tellus. Pellentesque sit amet odio ut justo euismod ultricies non a libero. Donec varius ligula sit amet urna vestibulum elementum. In hac habitasse platea dictumst. Vivamus commodo condimentum lacinia.
- Cras sed pharetra quam. Sed at dictum augue. Nam consectetur ante condimentum odio porttitor tempor. Morbi iaculis, enim vitae dapibus luctus, lacus lacus porttitor libero, quis commodo tellus eros nec augue. Proin et dapibus erat. Nam mattis rutrum ante vitae vestibulum. Fusce id efficitur nulla. Suspendisse in ipsum aliquet, pharetra velit non, sodales tortor.





Disclaimer

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- Ausgesprochene Handlungsempfehlungen sind weder rechtlich geprüft noch stellen sie eine Rechtsberatung in irgendeiner Form dar.
- Lorem ipsum dolor sit amet, consectetur adipiscing sapien congue rhoncus. Praesent rhoncus vel sei luctus ipsum condimentum maximus.
- Sed purus libero, gravida cursus metus et, lobortis sed bibendum sapien. Mauris lobortis nisl risus, he
- Sed ut libero id libero interdum elementum in ac li consequat, quis faucibus libero laoreet. Phasellus gravida cursus metus, at tristique ligula viverra ac Phasellus tristique facilisis ligula, eu consectetur tc
- Nulla ut risus interdum est interdum pretium. Nunc gravida, rutrum scelerisque nunc. Nunc tincidunt (nunc risus, vitae sollicitudin dui scelerisque a. Aliq eleifend massa at nisi eleifend iaculis.
- Vivamus quis auctor mauris, sed interdum nulla. I metus, quis vehicula purus vestibulum ut. Integer Donec eu metus id enim sagittis lacinia. Quisque dictumst. Vivamus commodo condimentum lacinia.
- Cras sed pharetra quam. Sed at dictum augue. Ne dapibus erat. Nam mattis rutrum ante vitae vestibulo



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<https://kortx.io/news/third-party-data/>

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acus porttitor libero, quis commodo tellus eros nec augue. Proin et





Problem

- Eifersüchtige PartnerInnen
- Kriminelle Banden
- Nachrichten- und Geheimdienste
- Datenhändler
- Werbenetzwerke
- ...



Problem



<https://www.youtube.com/watch?v=0ldH9EBm2XI>

Advertising-ID 74CD18DE2-38KD-01D2
Demographic: **Conservative Retiree**
Browser Language: **Arabic**
Disease Propensity by Type > Cancer:
Lung (Adstra)
Personal Finance: **Insurance Seekers**
Health and Wellness: **Pessimistic Future**
Health Outlook and Stressed

Advertising-ID 6AB01CF8-45CS-44B1
Age: **40-49**
Household Income: **High**
Composite Segment: **Moms Who Shop Like Crazy**
Brand affinity: **Gucci**
Travel Intention: **Paris**

Advertising-ID: 4DB78KD8-77CF-63F3
Age: **30-39**
Income: **2.500 - 4.000 €**
Marital Status: **Divorced**
GfK-Shopper: **Alcoholic Beverages**
Mastercard - Top Spending Geography:
Casino and Gambling Activities

Advertising-ID 7EF88HK1-72AB-73J1
Age: **50-59**
Gender: **Male**
Auto - Ownership: **Toyota Landcruiser**
Top Mobile Apps: **Grindr - Gay chat**
Churches and Religious Groups:
1st and 2nd Management Level

Microsofts Datenmarktplatz Xandr

Mehr als 650.000 Kategorien für Werbezielgruppen im Angebot

Die gezeigten Zielgruppensegmente entstammen einer Angebotsliste des Xandr Marketplace von Mai 2021. Die Zuordnung zu einzelnen Personen erfolgt hier beispielhaft, die Advertising-IDs sind fiktiv. Microsoft hat Xandr im Jahr 2022 gekauft.



Datensicherheitsziele CIA

- Vertraulichkeit (confidentiality)
- Integrität (integrity)
- Verfügbarkeit (availability)



Datenschutzziele

- Vertraulichkeit (confidentiality)
- Integrität (integrity)
- Verfügbarkeit (availability)
- Nichtverkettung
- Intervenierbarkeit
- Transparenz



Goldene Regel

"Wahrhaft siegt, wer nicht kämpft."

- Sun Tzu -





Goldene Regel

Die sichersten Daten sind die, die nie erfasst werden.





Verteidigungslevel



Personal Computer

Bildschirm Sperre
Updates
Passwortmanager
MFA

Webbrowser

Adblock
Suchmaschine

Smartphone

Signal / Matrix



Personal Computer

alternatives OS (Linux)
Festplattenverschlüsselung
VPN

Webbrowser

noscript
privacybadger
Tor

Smartphone

alternatives OS (e/os, Lineage)
Konfiguration / F-Droid
VPN
Briar



Personal Computer

Tails ohne Festplatte
öffentliches WiFi

(Smart)phone

Ohne SIM
Akku raus
mehr als an
öffentliches WiFi
alles via Tor



Bildschirmsperre



Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix



<https://www.bleepingcomputer.com/tutorials/lock-your-screen-in-windows/>



Bildschirmsperre



Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix



https://www.reddit.com/r/memes/comments/9p833a/when_your_cat_runs_across_the_keyboard/





Updates



Personal Computer

Bildschirm Sperre

Updates

Passwortmanager

MFA

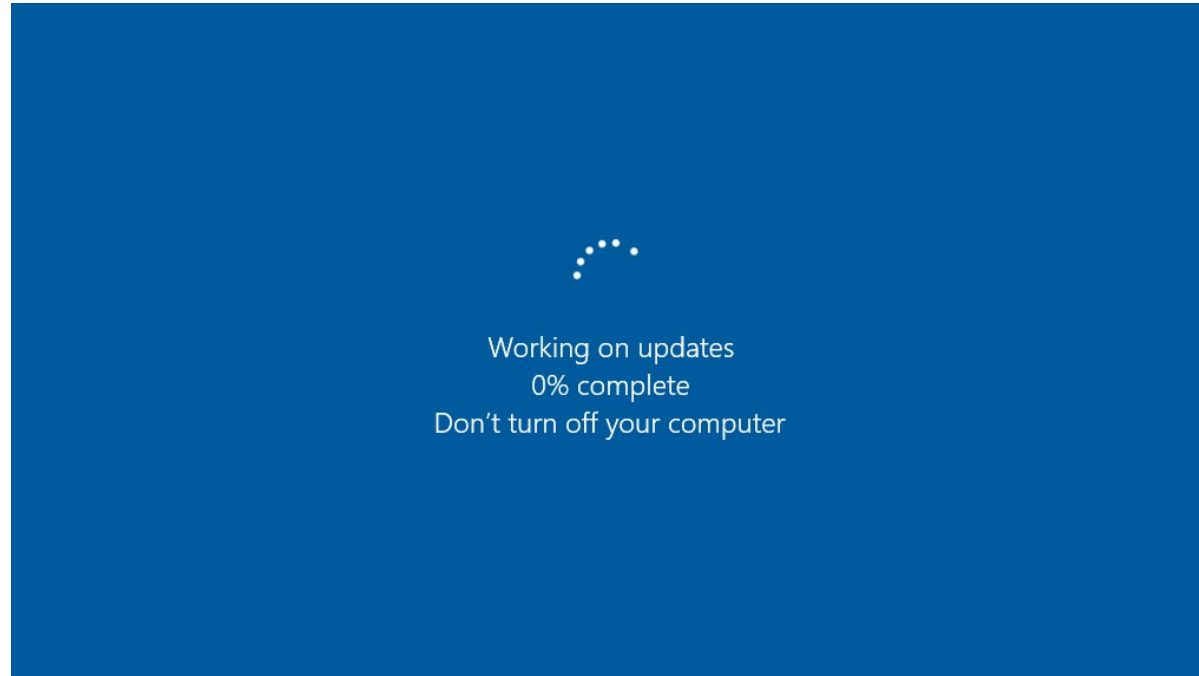
Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix



<https://loekpuxrg.blob.core.windows.net/ydx1nbxfxg/updates-not-working-on-windows-10.html>





Updates



Personal Computer

Bildschirm sperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

Top 50 Vendors By Total Number Of "Distinct" Vulnerabilities

Go to year: [2014](#) [2015](#) [2016](#) [2017](#) [2018](#) [2019](#) [2020](#) [2021](#) [2022](#) [2023](#) [2024](#) [All Time Leaders](#)

	Vendor Name	Number of Products	Number of Vulnerabilities	#Vulnerabilities/#Products
1	Microsoft	948	12102	13
2	Google	230	11464	50
3	Oracle	1112	9723	9
4	Debian	119	8943	75
5	Apple	204	7537	37
6	IBM	1583	7231	5
7	Cisco	6624	6278	1
8	Linux	23	6272	273
9	Adobe	345	5824	17
10	Redhat	610	5521	9
11	Fedoraproject	24	5190	216
12	Canonical	59	4167	71
13	Opensuse	62	3265	53
14	Mozilla	40	3108	78
15	Apache	379	2400	6

<https://www.cvedetails.com/top-50-vendors.php?year=0>

CVE: Common Vulnerability and Exposures. A framework developed at the MITRE corporation for organizing information around computer vulnerabilities.

<https://www.f5.com/labs/articles/threat-intelligence/the-evolving-cve-landscape>





Passwortmanager



Personal Computer

Bildschirm Sperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

The screenshot shows the Password Manager application interface. The main window displays a list of entries with columns for Title, Username, URL, and Notes. The 'Deutsche Bank' entry is selected. A detailed view of this entry is shown in a separate window, displaying fields for Username (A. Jain), Password (masked), URL (https://www.db.com), and Expiration (Never). The interface includes a sidebar with categories like Work, Streaming Services, E-Mail, Banking, Travel, and Utility Services. A search bar is located at the top right of the main window.

Title	Username	URL	Notes
Bank J. Safra Sarasin Ltd	E. Michaan	http://jsafrasarasin.com/	
Commerzbank	M. Blessing	https://www.commerzbank.com/	
Deutsche Bank	A. Jain	https://www.db.com	
HypoVereinsbank	T. Weimer	https://www.hypovereinsbank.de/	
Most definitely not Cum-Ex profits	J. Smith	https://www.caymannational.com/	

The screenshot shows a password generation tool interface. It displays a generated password: `ep^ZLf7NX3Kp;^tA*LW?5nk7SgG#a=. +`. The password quality is rated as 'Excellent' with an entropy of 202.47 bit. The length is set to 32 characters. The character types are configured to include uppercase letters (A-Z), lowercase letters (a-z), digits (0-9), and special characters (* + & ...). The interface includes buttons for 'Close' and 'Apply Password'.





Passwortmanager



Personal Computer

Bildschirm Sperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

The screenshot shows a password manager application with a dark theme. The main window displays a list of entries under the 'Banking' category. The entries are:

Title	Username	URL
Bank J. Safra Sarasin Ltd	E. Michaan	https://www.bjs.com
Commerzbank	M. Blessing	https://www.commerzbank.de
Deutsche Bank	A. Jain	https://www.db.com
HypoVereinsbank	T. Weimer	https://www.hvb.com
Most definitely not Cum-Ex profits	J. Smith	https://www.caymannational.com/

The detailed view of the 'Deutsche Bank' entry shows the following fields:

- Username: A. Jain
- URL: <https://www.db.com>
- Password: [Redacted]
- Expiration: Never
- Tags: [None]
- Notes: [None]



The screenshot shows a password quality checker tool. It displays the following information:

- Entropy: 202.47 bit
- Password Quality: Excellent
- Length: 32
- Character Types: 0-9, /* & ... (Extended ASCII)





Passwortmanager



Personal Computer

Bildschirm Sperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

Title	Username	URL
Bank J. Safra Sarasin Ltd	E. Michaan	https://www.bjs.com
Commerzbank	M. Blessing	https://www.commerzbank.de
Deutsche Bank	A. Jain	https://www.db.com
HypoVereinsbank	T. Weimer	https://www.hv.com
Most definitely not Cum-Ex profits	J. Smith	https://www.caymannational.com/

Deutsche Bank

Username: A. Jain
Password: [REDACTED]
URL: <https://www.db.com>
Expiration: Never



ep^ZLf7NX3Kp;^tA*LW?5nk7SgG#a=. +

Password Quality: Excellent Entropy: 202.47 bit

Length: 32 Advanced

Character Types: 0-9 /* & ... Extended ASCII





Passwortmanager



Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

Title	Username	URL
Bank J. Safra Sarasin Ltd	E. Michaan	h...
Commerzbank	M. Blessing	http...
Deutsche Bank	A. Jain	https://v...
HypoVereinsbank	T. Weimer	https://www.hy...
Most definitely not Cum-Ex profits	J. Smith	https://www.caymannational.com/

General	Advanced	Autotype
Username	A. Jain	URL
Password	https://www.db.com
Tags		Expiration
Notes		New

ep^ZLf7NX3Kp;^tA*LW?5nk7SgG#a=. +

Password Quality: Excellent Entropy: 202.47 bit

Password Passphrase

Length: 32 Advanced

Character Types

0-9 /*+&... Extended ASCII

Close Apply Password





Passwortmanager 1Password



Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

Title	Username	URL
Bank J. Safra Sarasin Ltd	E. Michaan	h...
Commerzbank	M. Blessing	http...
Deutsche Bank	A. Jain	https://v...
HypoVereinsbank	T. Weimer	https://www.hy...
Most definitely not Cum-Ex profits	J. Smith	https://www.caymannational.com/

Field	Value
Username	A. Jain
Password	••••••
URL	https://www.db.com
Expiration	New

ep^ZLf7NX3Kp;^tA*LW?5nk7SgG#a=. +

Password Quality: Excellent Entropy: 202.47 bit

Length: 32 Advanced

Character Types: 0-9 / * + & ... Extended ASCII

Buttons: Close, Apply Password





Passwortmanager 1Password



Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

Title	Username	URL
Bank J. Safra Sarasin Ltd	E. Michaan	h...
Commerzbank	M. Blessing	http...
Deutsche Bank	A. Jain	https://v...
HypoVereinsbank	T. Weimer	https://www.h...
Most definitely not Cum-Ex profits	J. Smith	https://www.caymannational.com/

Deutsche Bank

General | Advanced | Autotype

Username: A. Jain

URL: <https://www.db.com>

Password: [masked]

Expiration: New

ep^ZLf7NX3Kp;^tA*LW?5nk7SgG#a=. +

Password Quality: Excellent Entropy: 202.47 bit

Password Passphrase

Length: 32 Advanced

Character Types

0-9 /*+&... Extended ASCII

Close Apply Password

LastPass...





Passwortmanager 1Password



Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

Database Entries Groups Tools View Help

Search (Ctrl+F)...

Title	Username	URL
Bank J. Safra Sarasin Ltd	E. Michaan	h...
Commerzbank	M. Blessing	http...
Deutsche Bank	A. Jain	https://v...
HypoVereinsbank	T. Weimer	https://www.h...
Most definitely not Cum-Ex profits	J. Smith	https://www.caymannational.com/

Passwords / Banking / Deutsche Bank

General Advanced Autotype

Username A. Jain URL https://www.db.com

Password Password Expiration New...

Tags Notes

Searches and Tags

- Clear Search
- All Entries
- Expired
- Weak Passwords

ep^ZLf7NX3Kp;^tA*LW?5nk7SgG#a=. +

Password Quality: Excellent Entropy: 202.47 bit

Password Passphrase

Length: 32 Advanced

Character Types

0-9 /* + & ... Extended ASCII

Close Apply Password

LastPass...

Proton Pass





Passwortmanager 1Password



The screenshot shows the 1Password application interface. At the top, there's a menu bar with 'Database', 'Entries', 'Groups', 'Tools', 'View', and 'Help'. Below the menu is a search bar and various icons. The main area displays a list of password entries under the 'Passwords' folder. The entries include:

Title	Username	URL
Bank J. Safra Sarasin Ltd	E. Michaan	h...
Commerzbank	M. Blessing	http...
Deutsche Bank	A. Jain	https://v...
HypoVereinsbank	T. Weimer	https://www.h...
Most definitely not Cum-Ex profits	J. Smith	https://www.caymannational.com/

The detailed view for 'Deutsche Bank' is shown below, with tabs for 'General', 'Advanced', and 'Autotype'. The 'General' tab is active, showing:

- Username: A. Jain
- URL: <https://www.db.com>
- Password: [Redacted]
- Tags: [None]
- Notes: [None]



The screenshot shows a password quality checker interface. It displays 'Password Quality: Excellent' and 'Entropy: 202.47 bit'. There are fields for 'Password' and 'Passphrase', a 'Length' slider set to 32, and a 'Character Types' section with buttons for '0-9', '/*+&...', and 'Extended ASCII'. There are 'Close' and 'Apply Password' buttons at the bottom.

LastPass...

Personal Computer

- Bildschirmsperre
- Updates

Passwortmanager

MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

Signal / Matrix

bitwarden

Proton Pass





Passwortmanager



Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

- 1) AAAAAAAAA
- 2) AAAAAAAB
- 3) AAAAAAAC
- 4) AAAAAAAD
- 5) AAAAAAAE
- 6) AAAAAAAF
- 7) ...



Passwortmanager



Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix



- 1) AAAAAAAA
- 2) AAAAAAAB
- 3) AAAAAAAC
- 4) AAAAAAAD
- 5) AAAAAAAE
- 6) AAAAAAAF
- 7) ...



```

*****n14@gmail.com:632518db91cd144679650227fd8b41e1
*****si5@gmail.com:de6d44d74f94b50acc1999e77adc1920
*****a57@live.de:20ef011925a9c72b57e7e324a6a3ddb8
*****aul@googlemail.com:3131dd46bf9f65cf1ffb9c25b55f567a
*****o18@gmail.com:ead44b1f8650d9e0ea58ba10eff2ccf0
*****cas@yahoo.fr:f64c252935416d1052ae4d5332fc8ae1
*****n1k@gmail.com:ccca368d6e408553883d225a7df3d318
*****ald@yahoo.com:b4669f050e46b574403b56bd0e629fa4
*****r10@yahoo.fr:5e3df68fab798c60b1b688eba93a8c2f
...

```





Passwortmanager



Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix



- 1) AAAAAAAA
- 2) AAAAAAAB
- 3) AAAAAAAC
- 4) AAAAAAAD
- 5) AAAAAAAE
- 6) AAAAAAAF
- 7) ...



```

*****n14@gmail.com:Dexser14
*****si5@gmail.com:Ryanm1128
*****a57@live.de:Wixxkind1
*****aul@googlemail.com:Farringdon1
*****o18@gmail.com:FORMULA1
*****cas@yahoo.fr:652ba5f29
*****n1k@gmail.com:Supaman84
*****ald@yahoo.com:Killersniper24
*****r10@yahoo.fr:kamout23
...

```





MFA



Faktoren

- Wissen
- Haben
- Sein

Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix





MFA



Faktoren

- Wissen: Passwort, Passphrase, PIN, ...
- Haben
- Sein

Personal Computer

Bildschirmsperre
Updates
Passwortmanager

MFA

Webbrowser

Adblock
Suchmaschine

Smartphone

Signal / Matrix





MFA



Faktoren

- Wissen: Passwort, Passphrase, PIN, ...
- Haben: Smartphone, Token, Bankkarte, ...
- Sein

Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix





MFA



Faktoren

- Wissen: Passwort, Passphrase, PIN, ...
- Haben: Smartphone, Token, Bankkarte, ...
- Sein: Fingerabdruck, FaceID, Stimme, ...

Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix





MFA



Personal Computer

Bildschirm Sperre

Updates

Passwortmanager

MFA

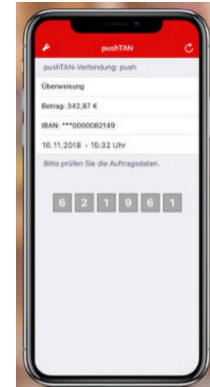
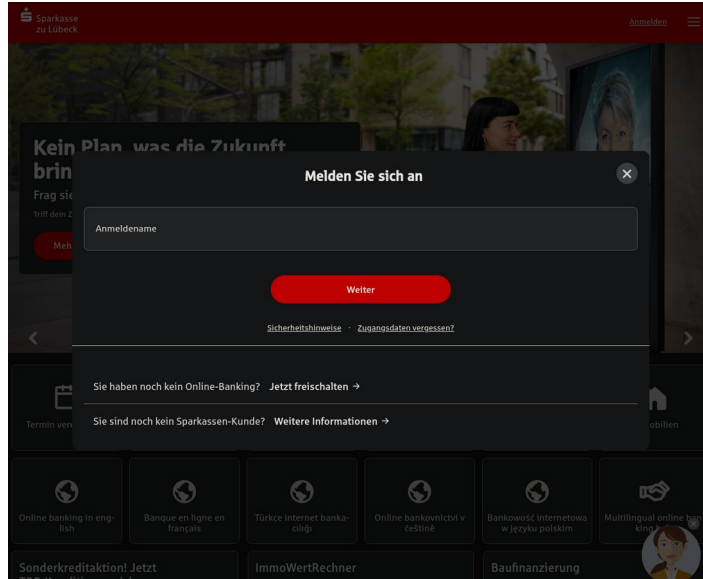
Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix



[1]



[2]

[1] <https://www.mobilebanking.de/magazin/pushtan-verfahren-beim-mobile-banking.html>

[2] <https://www.futurezone.de/digital-life/article216982701/aus-fuer-smstan-beim-online-banking-dieser-sparkassen-brauchst-du-ab-morgen-plan-b.html>





MFA



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager

MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix



Wissen:
Passwort



MFA



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager

MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix



Wissen:
Passwort



[1] Haben:
Bankkarte

[1] <https://depositphotos.com/54305661/stock-photo-burglary.html>



Adblock



Personal Computer

- Bildschirm Sperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock**
- Suchmaschine

Smartphone

- Signal / Matrix

The screenshot shows a Microsoft Internet Explorer browser window. The address bar displays 'http://www.m-w.com/dictionary/invoice'. A yellow pop-up blocked message is visible at the top, stating 'Pop-up blocked. To see this pop-up or additional options click here...'. The main content area features a large red advertisement for Netflix, with the text 'NETFLIX DVD RENTALS DELIVERED ONLY \$9.99 A MONTH' and a 'Click here' button. Below the advertisement, the browser's search results for 'invoice' are visible, including the Merriam-Webster logo and a search bar. The taskbar at the bottom shows several open applications, including 'Hacking NetFlx : Intellif...', 'Definition of invoice - Me...', and 'Http://media.fastcl...'. The system tray shows the time as 6:00 PM.

<https://monetizepros.com/encyclopedia/pop-up-ad/>





Adblock



Personal Computer

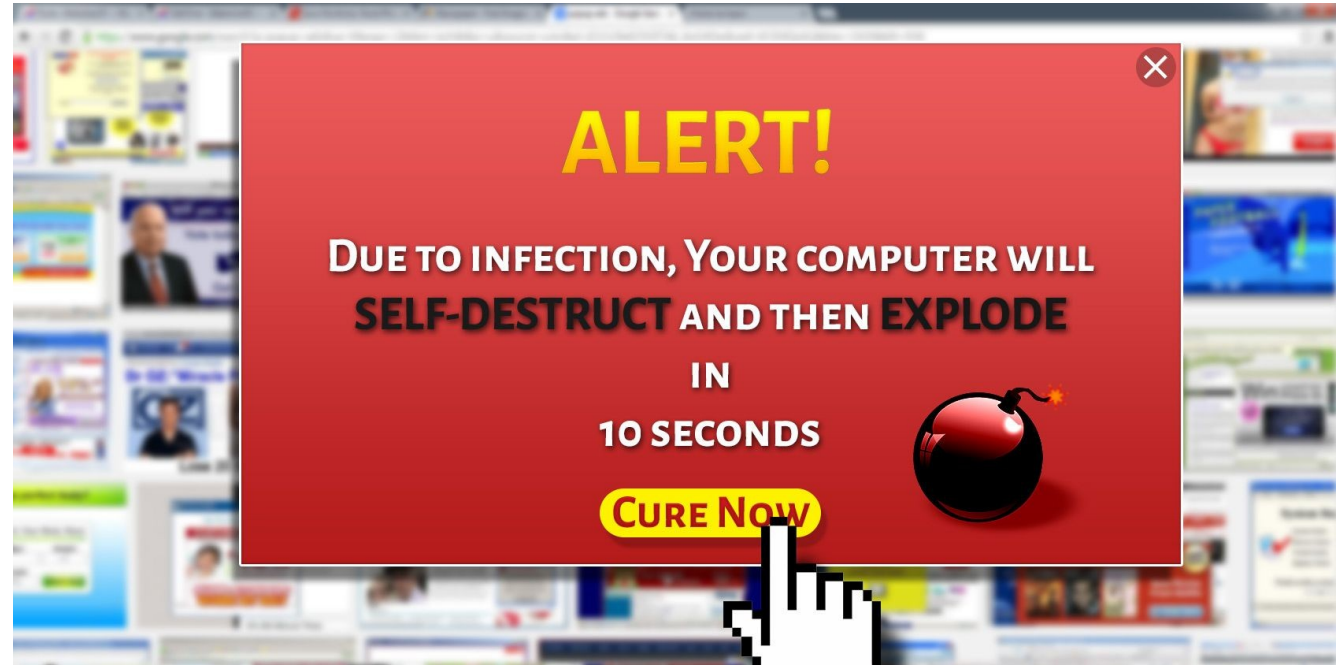
Bildschirm Sperre
Updates
Passwortmanager
MFA

Webbrowser

Adblock
Suchmaschine

Smartphone

Signal / Matrix



<https://www.makeuseof.com/tag/lets-put-stop-pop-browser-ads/>



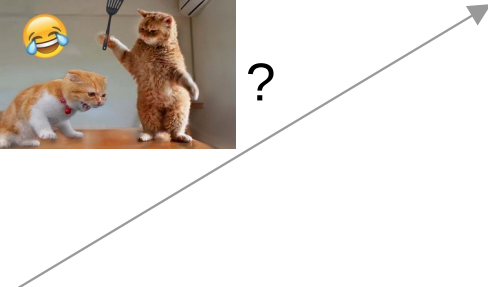
Adblock



?



<https://videos.pls>



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock**
- Suchmaschine

Smartphone

- Signal / Matrix



Adblock



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

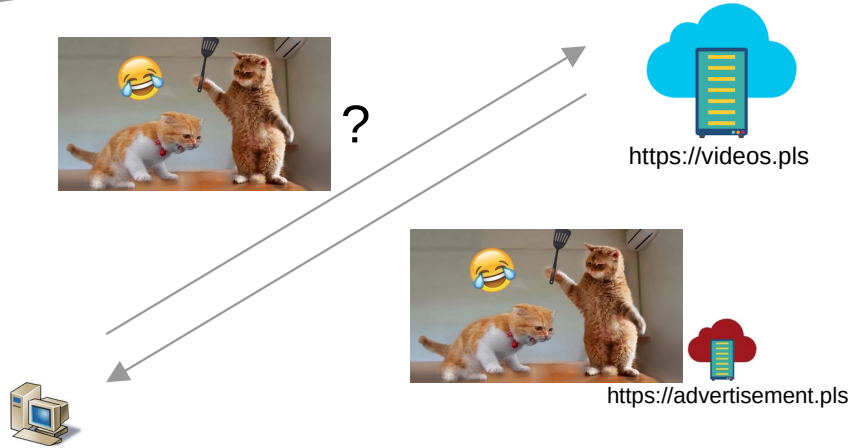
Webbrowser

Adblock

- Suchmaschine

Smartphone

- Signal / Matrix





Adblock



Personal Computer

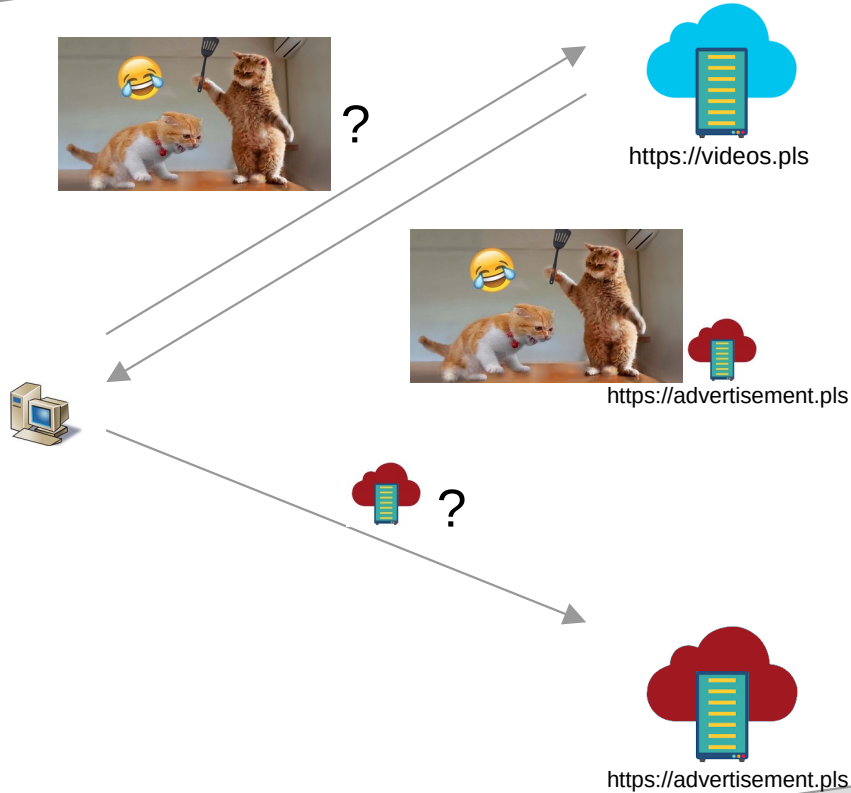
- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock**
- Suchmaschine

Smartphone

- Signal / Matrix





Adblock



Personal Computer

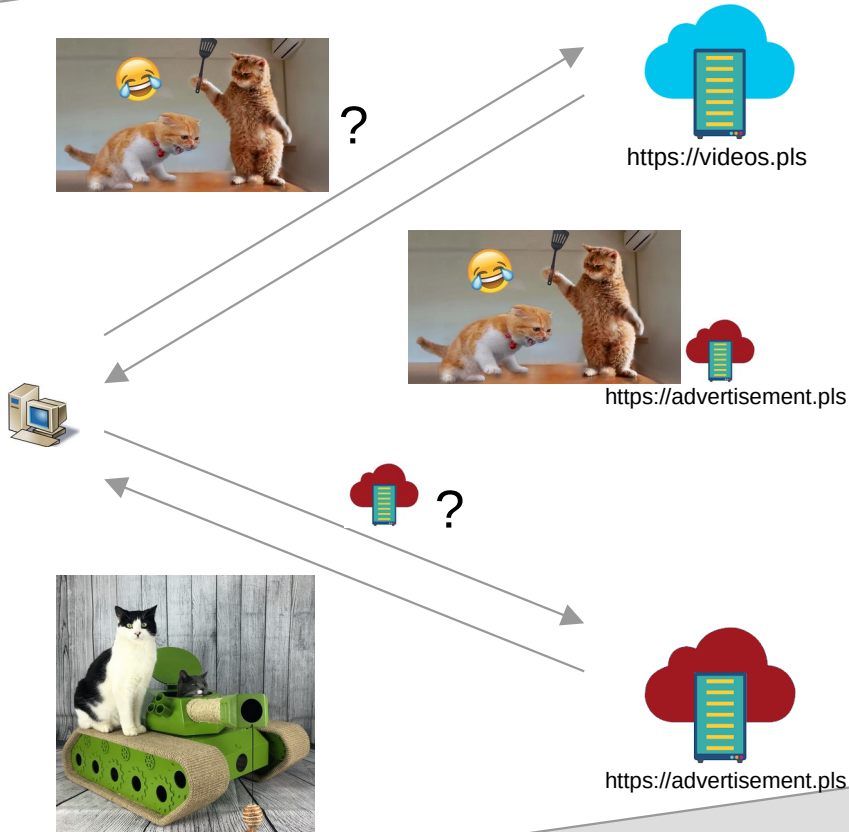
- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock**
- Suchmaschine

Smartphone

- Signal / Matrix





Adblock



Personal Computer

Bildschirm Sperre
Updates
Passwortmanager
MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

The screenshot shows the Firefox Add-ons interface for the uBlock Origin extension. At the top, there is a search bar with the text "Find more add-ons" and "Search addons.mozilla.org". The left sidebar contains navigation options: Recommendations, Extensions (highlighted in blue), Themes, Plugins, and Languages. The main content area displays the uBlock Origin extension card, which includes a toggle switch (currently turned on) and a menu icon. Below the card, there are tabs for "Details", "Permissions", and "Release Notes". The "Details" tab is active, showing the following text: "uBlock Origin is not an 'ad blocker', it's a wide-spectrum content blocker with CPU and memory efficiency as a primary feature." Below this, there is a separator line and the text "Out of the box, uBO blocks ads, trackers, coin miners, popups, etc. through the following lists of filters, enabled by default:". A red box highlights the phrase "lists of filters". A bulleted list follows: "- EasyList (ads)", "- EasyPrivacy (tracking)", "- Peter Lowe's Ad server list (ads and tracking)", "- Online Malicious URL Blocklist", and "- uBO's own lists". At the bottom of the details section, it says "More lists are available for you to select if you wish:".





Adblock



Personal Computer

Bildschirmsperre
Updates
Passwortmanager
MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

```
-ad-300x600-  
-ad-458x80.  
-ad-bottom-  
-ad-manager/$~stylesheet  
-ad-right.  
-ad-sidebar.  
-ad-unit.  
-ad-util.  
-ad.jpg.pagespeed.  
-ads-banner.  
-ads-bottom.  
-ads-manager/$domain=~wordpress.org  
-ads/assets/$script,domain=~web-ads.org  
-assets/ads.$~script  
-auto-ads-  
-banner-ad_  
-banner-ads-$~script  
-contrib-ads.$~stylesheet  
display-ads
```

[1]



Adblock



Personal Computer

Bildschirmsperre
Updates
Passwortmanager
MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

```
-ad-300x600-  
-ad-458x80.  
-ad-bottom-  
-ad-manager/$~stylesheet  
-ad-right.  
-ad-sidebar.  
-ad-unit.  
-ad-util.  
-ad.jpg.pagespeed.  
-ads-banner.  
-ads-bottom.  
-ads-manager/$domain=~wordpress.org  
-ads/assets/$script,domain=~web-ads.org  
-assets/ads.$~script  
-auto-ads-  
-banner-ad_  
-banner-ads-$~script  
-contrib-ads.$~stylesheet  
display-ads
```

...
advertisement.pls

[1]



Adblock



Personal Computer

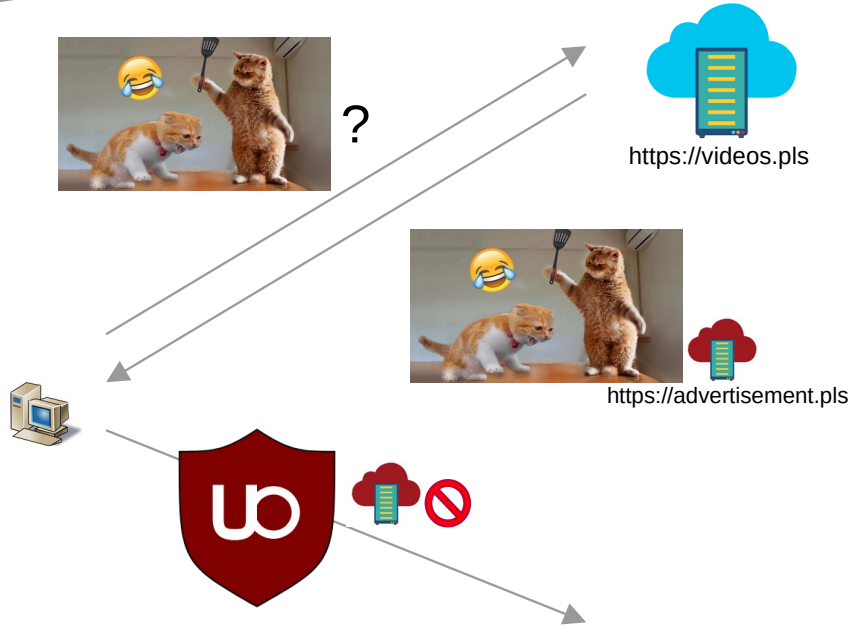
- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock**
- Suchmaschine

Smartphone

- Signal / Matrix





Adblock



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

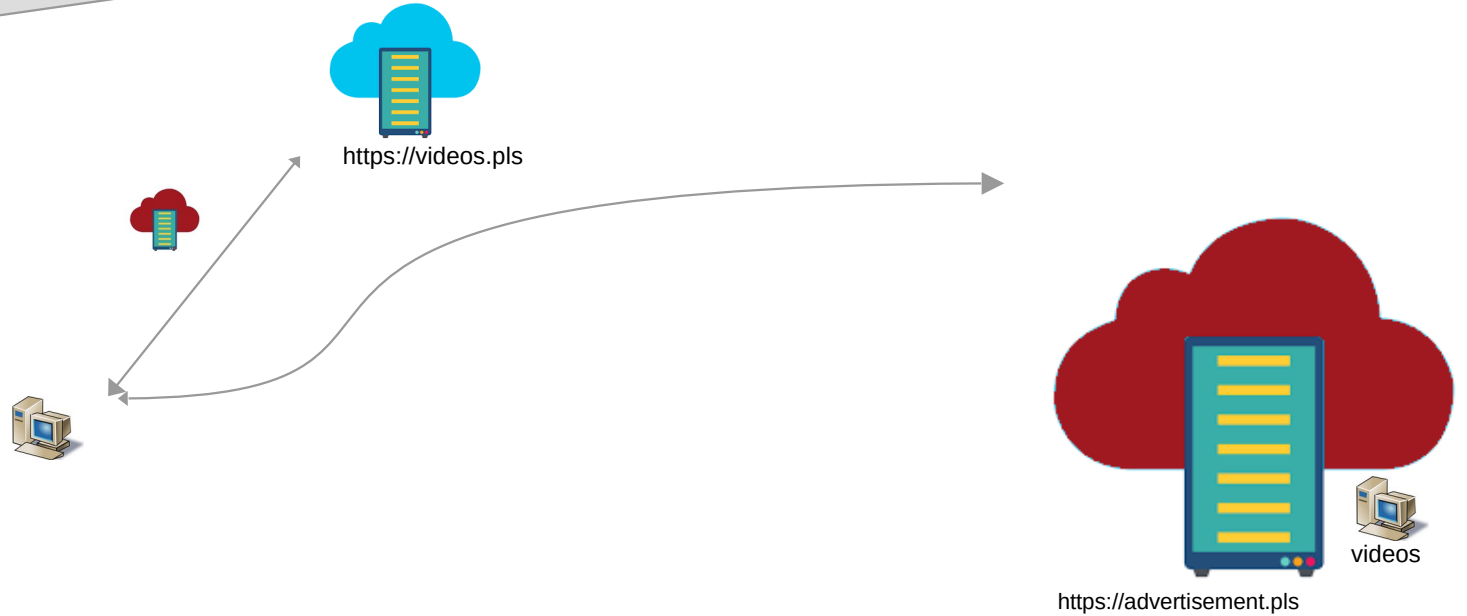
Webbrowser

Adblock

- Suchmaschine

Smartphone

- Signal / Matrix





Adblock



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

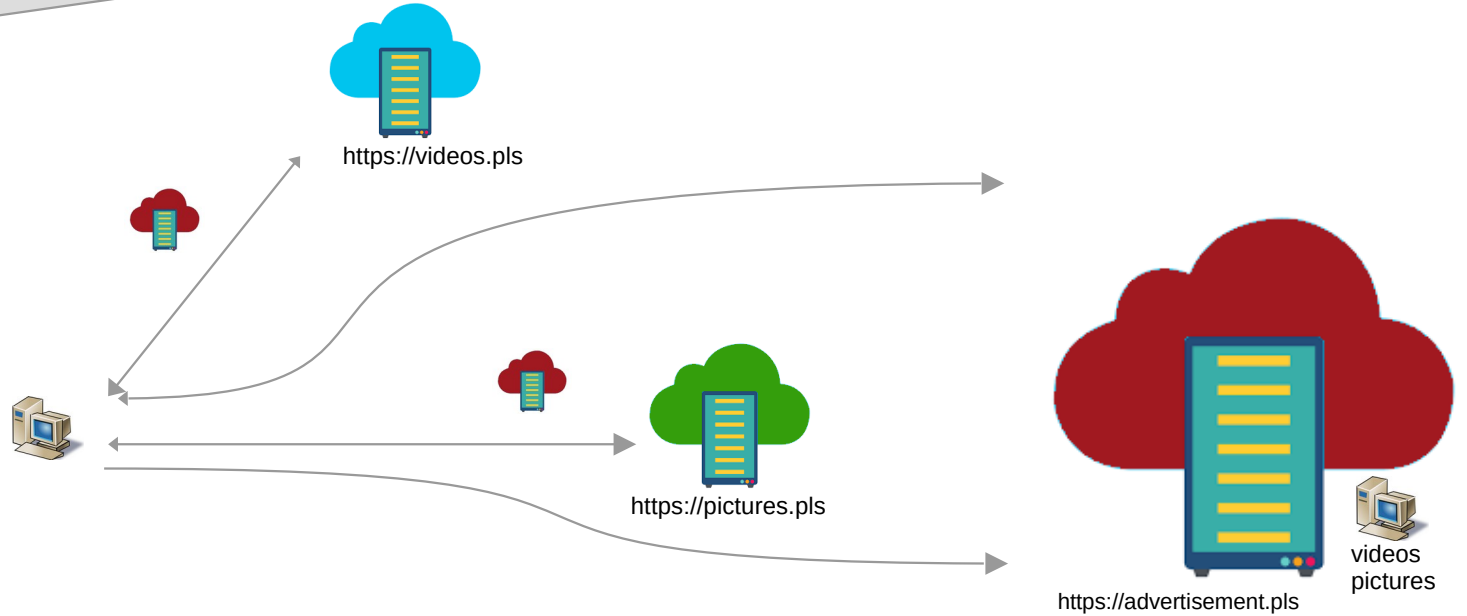
Webbrowser

Adblock

- Suchmaschine

Smartphone

- Signal / Matrix





Adblock



Personal Computer

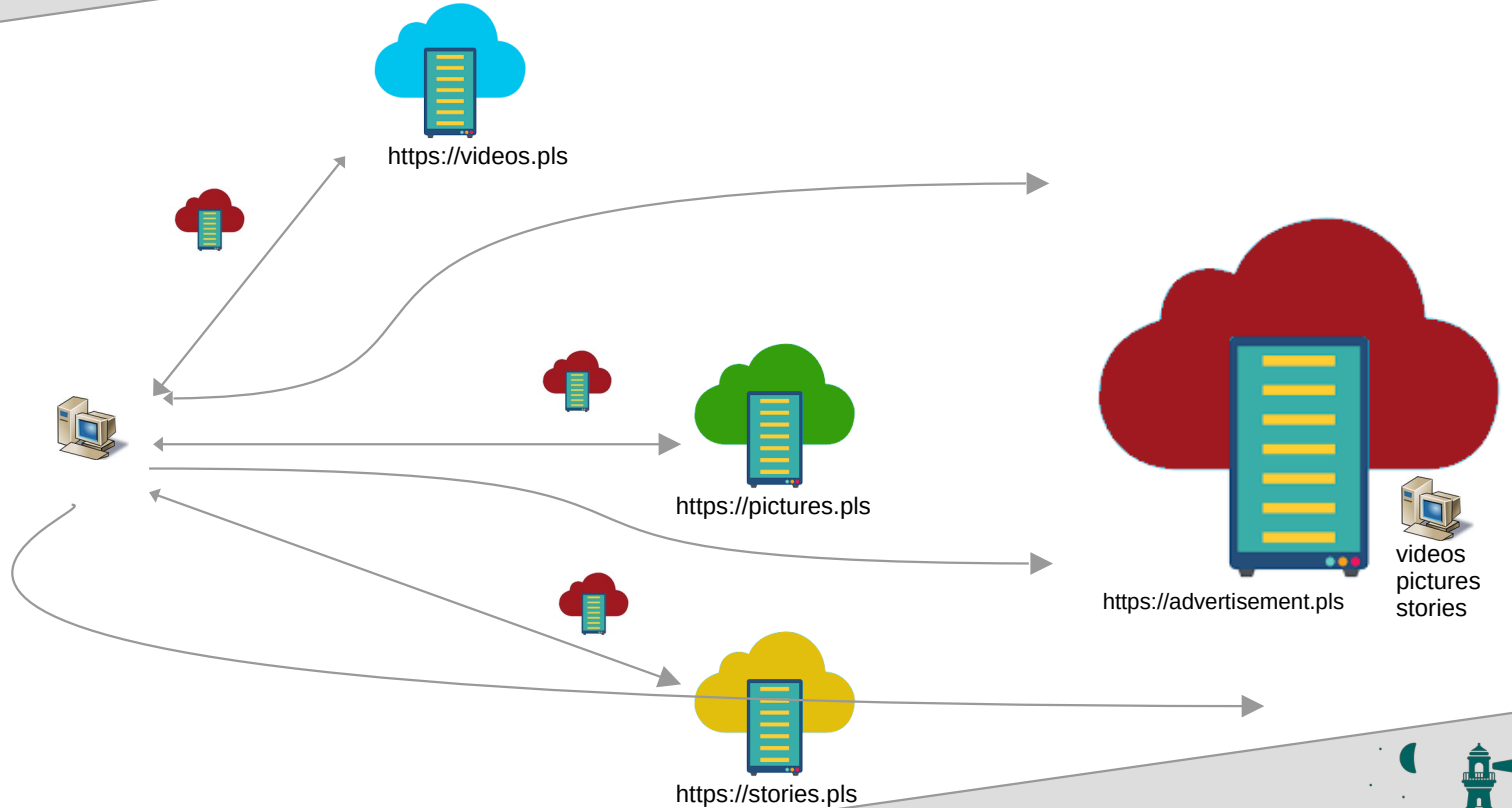
- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock**
- Suchmaschine

Smartphone

- Signal / Matrix





Adblock



Personal Computer

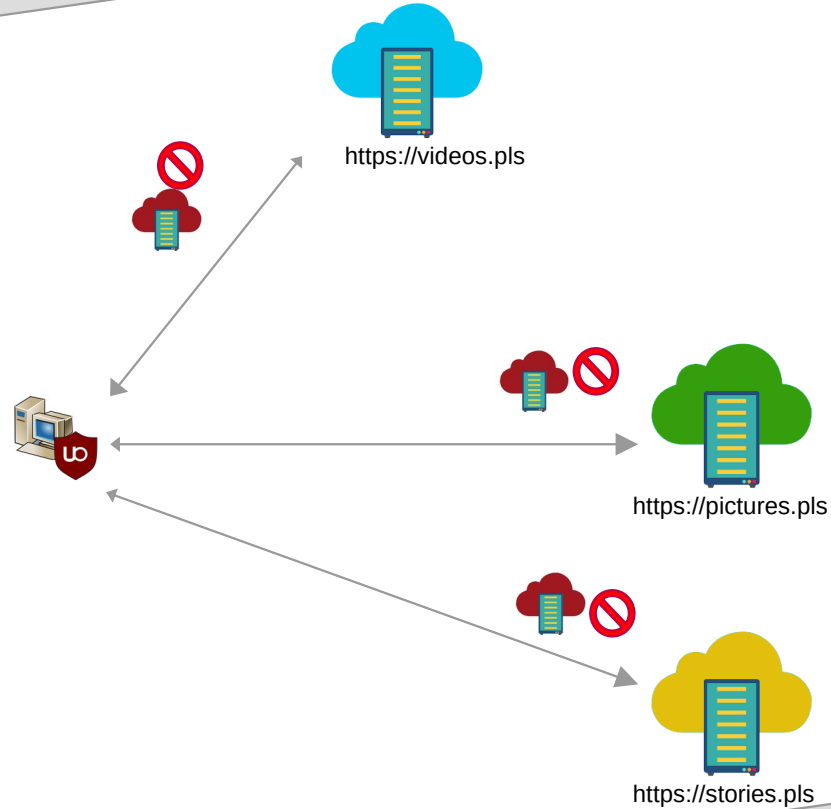
- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock**
- Suchmaschine

Smartphone

- Signal / Matrix





Adblock



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

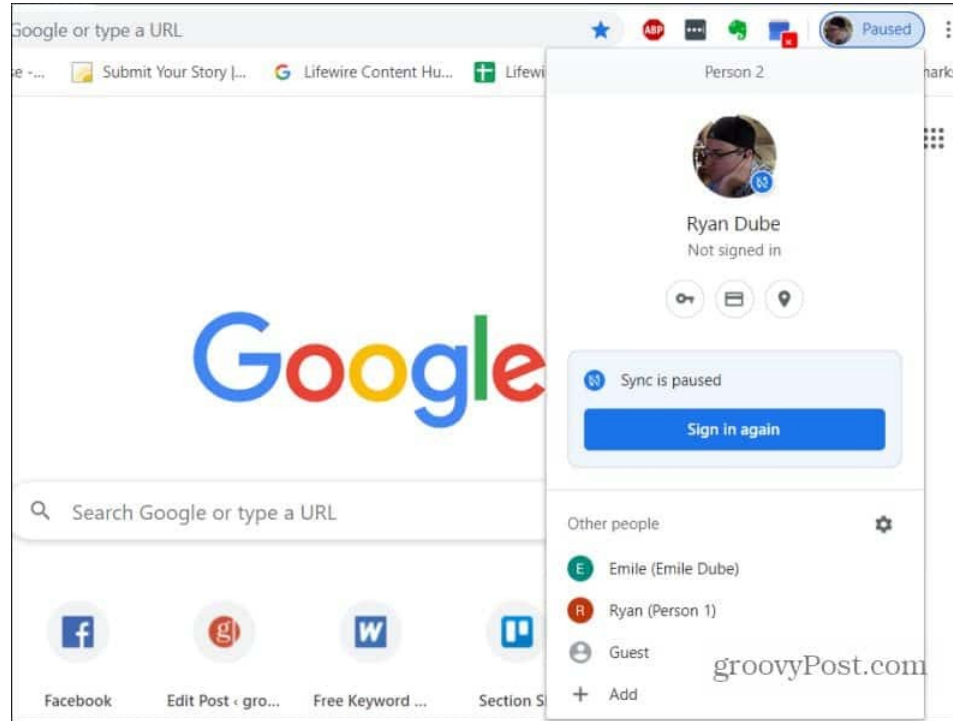
Webbrowser

Adblock

- Suchmaschine

Smartphone

- Signal / Matrix



<https://www.groovypost.com/howto/change-default-google-account-in-seconds/>





Adblock



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

Adblock

- Suchmaschine

Smartphone

- Signal / Matrix





Adblock



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock

Suchmaschine

Smartphone

- Signal / Matrix





Suchmaschinen



Personal Computer

Bildschirmsperre

Updates

Passwortmanager

MFA

Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

Startpage



DuckDuckGo.

Qwant



Nights of open Knowledge



Suchmaschinen



?



<https://startpage.com>
<https://duckduckgo.com>
<https://qwant.com>



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock

Suchmaschine

Smartphone

- Signal / Matrix



Suchmaschinen



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<https://startpage.com>
<https://duckduckgo.com>
<https://qwant.com>



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock

Suchmaschine

Smartphone

- Signal / Matrix



Messenger



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix**





Messenger



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix





Messenger



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

Signal / Matrix



Messenger



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

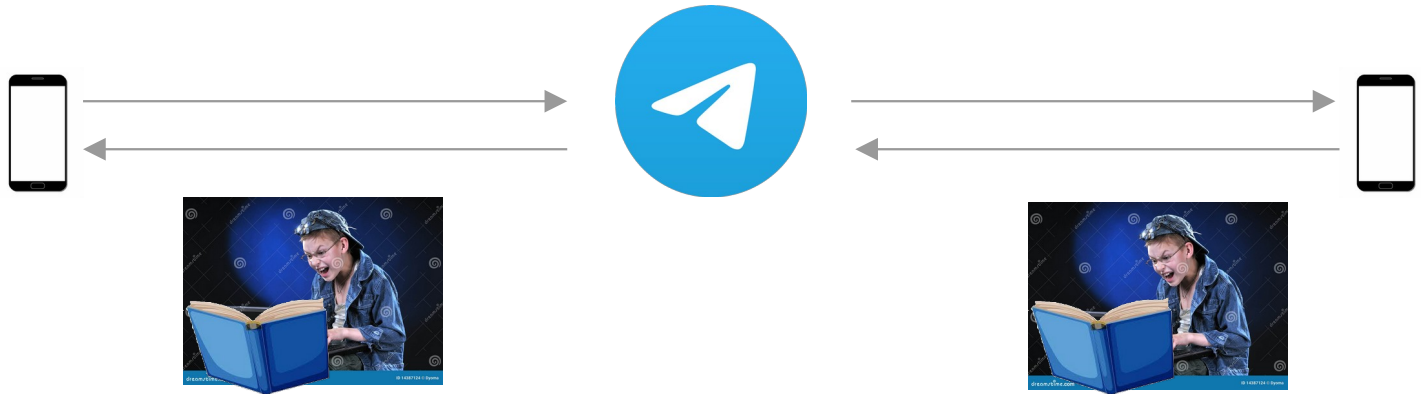
- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix



Messenger



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

Signal / Matrix



Messenger



Personal Computer

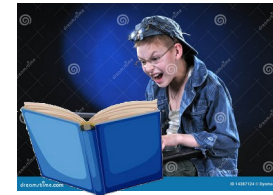
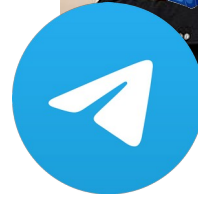
- Bildschirmperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

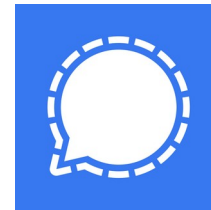
Signal / Matrix



[1] https://en.wikipedia.org/wiki/Pavel_Durov



Messenger



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

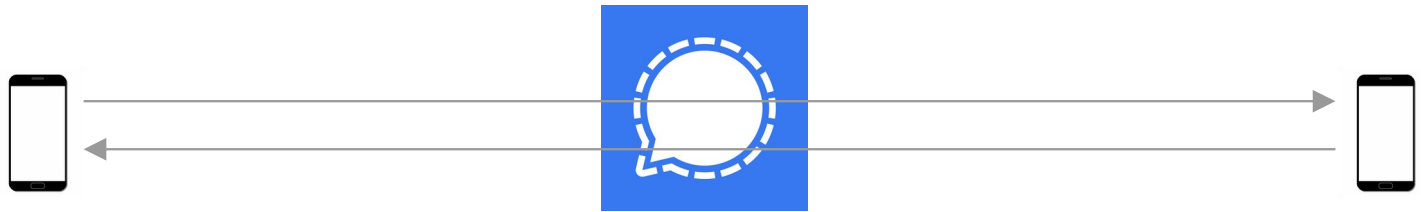
- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix



Messenger



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix



Messenger



Personal Computer

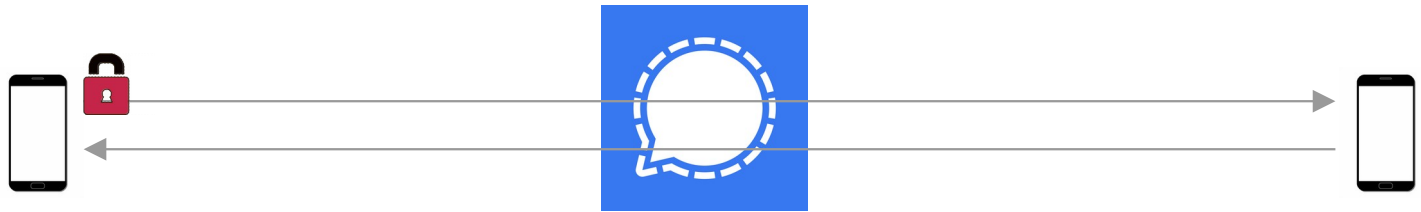
- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix





Messenger



Personal Computer

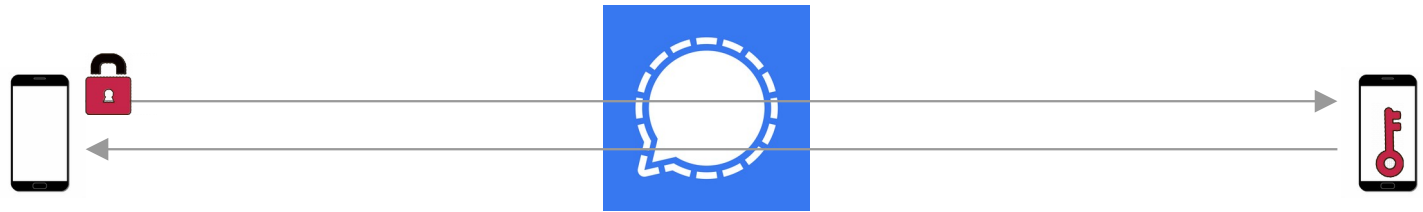
- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix





Messenger



Personal Computer

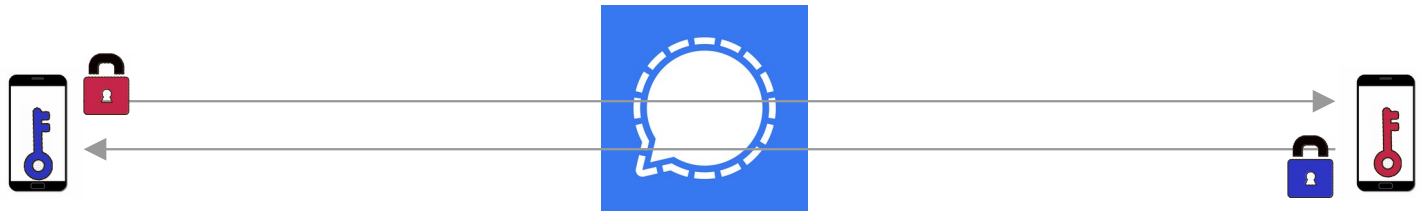
- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix





Messenger



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

Signal / Matrix

[matrix]



Messenger



Personal Computer

Bildschirm Sperre

Updates

Passwortmanager

MFA






Webbrowser

Adblock

Suchmaschine

Smartphone

Signal / Matrix

 Element Element is a glossy client with an emphasis on performance and usability. iOS Android Windows macOS Linux Web Open client details	 Nheko Desktop client for Matrix using Qt and C++20. Windows macOS Linux Open client details	 FluffyChat Cute instant messaging app for all platforms. iOS Android Linux Web Open client details
 Cinny A Matrix client focusing primarily on simple, elegant and secure interface. Windows macOS Linux Web Open client details	 Element X Element X is pioneering the Matrix 2.0 implementation, notably supporting fast sync with sliding sync. iOS Android Open client details	

<https://matrix.org/ecosystem/clients/>





Messenger



Personal Computer

- Bildschirm sperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix

<p>Synapse Stable</p> <p>AGPL-3.0-or-later Python</p> <p>Synapse is a Matrix homeserver written in Python/Twisted.</p> <p>Repository Matrix Room</p>	<p>Transform Obsolete</p> <p>Apache-2.0 TypeScript</p> <p>Transform is a matrix homeserver built using Typescript and Redis.</p> <p>Repository</p>	<p>Pallium Obsolete</p> <p>Apache-2.0 Go</p> <p>Repository</p>
<p>mxhsd Obsolete</p> <p>AGPL-3.0-or-later Java</p> <p>mxhsd is Matrix Homeserver aimed towards entities who want to have in-depth control of their servers</p> <p>Repository</p>	<p>Matrex Obsolete</p> <p>MIT Elixir</p> <p>A WIP toy Matrix server implementation in Elixir.</p> <p>Repository</p>	<p>Maelstrom Obsolete</p> <p>Apache-2.0 OR MIT Rust</p> <p>A high-performance Matrix Home-Server written in Rust designed to be scalable, light on resources, and have a pluggable storage engine.</p> <p>Repository Matrix Room</p>
<p>jSynapse Obsolete</p> <p>Apache-2.0 Java</p> <p>Repository</p>	<p>Dendron Obsolete</p> <p>Apache-2.0 Go</p> <p>Discontinued in favour of Dendrite ("Dendron, done right")</p> <p>Repository</p>	<p>bullettime Obsolete</p> <p>Apache-2.0 Go</p> <p>An experimental golang Matrix homeserver</p> <p>Repository</p>
<p>Ligase Obsolete</p> <p>AGPLv3 Go</p> <p>Ligase is a Cloud-native Matrix home server written in Golang.</p>	<p>conduwuit Beta</p> <p>Apache-2.0 Rust</p> <p>conduwuit is a well-maintained, hard-fork of Conduit with tons of new features, many bug fixes, huge performance improvements, quality of life</p>	<p>Construct Beta</p> <p>BSD C++</p> <p>Construct is a C++ Matrix Homeserver</p>





Messenger



Personal Computer

- Bildschirm Sperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix

Synapse Stable AGPL-3.0-or-later Python Synapse is a Matrix homeserver written in Python/Twisted. <a>Repository <a>Matrix Room	conduuit Beta Apache-2.0 Rust conduuit is a well-maintained, hard-fork of Conduit with tons of new features, many bug fixes, huge performance improvements, quality of life enhancements, moderation tools, and much more! <a>Repository <a>Matrix Room	Construct Beta BSD C++ Construct is a C++ Matrix Homeserver <a>Repository
Conduit Beta Apache-2.0 Rust Conduit is a simple, fast and reliable chat server written in Rust <a>Repository <a>Matrix Room	Dendrite Beta Apache-2.0 Go Dendrite is a second-generation Matrix homeserver written in Go! <a>Repository <a>Matrix Room	Telodendria Alpha MIT C Telodendria is an open source Matrix homeserver implementation written from scratch in ANSI C and designed to be lightweight and simple, yet functional. <a>Repository <a>Matrix Room





Messenger



Personal Computer

- Bildschirm Sperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix

Synapse Stable

AGPL-3.0-or-later Python

Synapse is a Matrix homeserver written in Python/Twisted.

[Repository](#) [Matrix Room](#)



Messenger



[matrix]

Personal Computer

- Bildschirm Sperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

Signal / Matrix





Messenger



[matrix]

Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

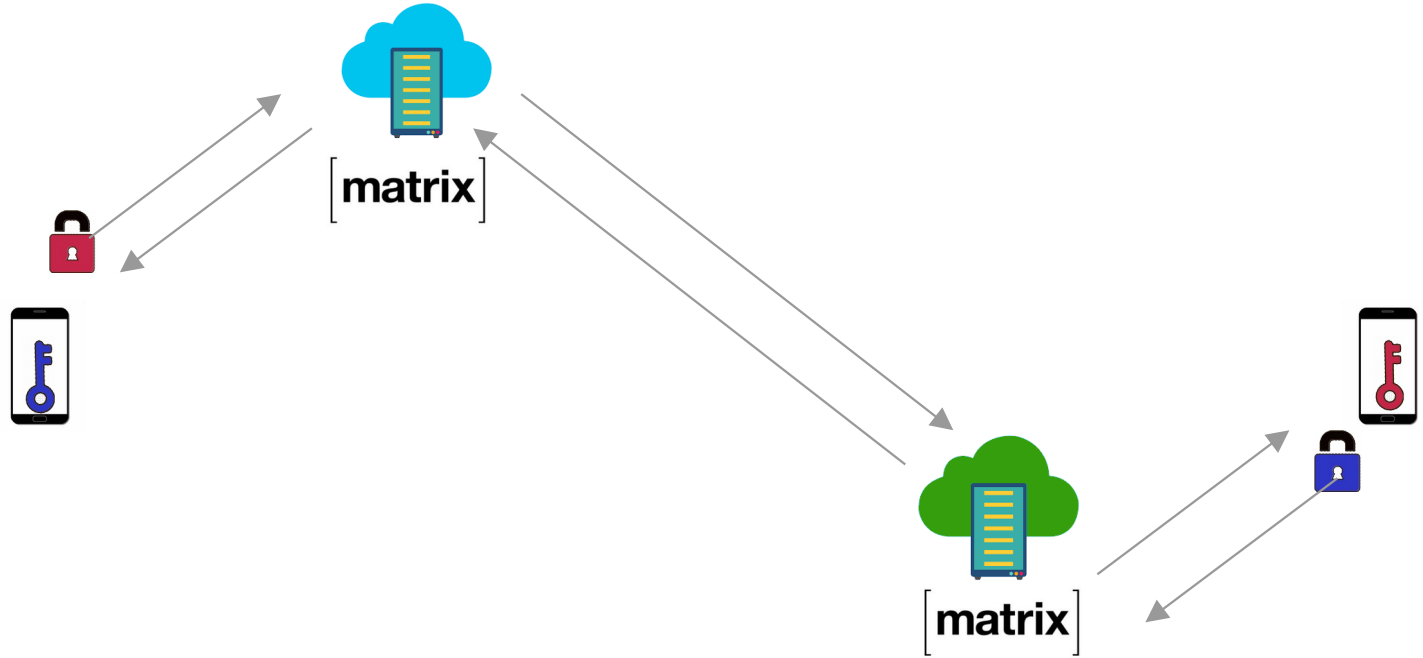
Signal / Matrix



[matrix]



Messenger



Personal Computer

- Bildschirmsperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

Signal / Matrix



Verteidigungslevel



Personal Computer

- Bildschirm Sperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix



Personal Computer

- alternatives OS (Linux)
- Festplattenverschlüsselung
- VPN

Webbrowser

- noscript
- privacybadger
- Tor

Smartphone

- alternatives OS (/e/os, Lineage, graphene)
- Konfiguration / F-Droid
- VPN
- Briar



Personal Computer

- Tails ohne Festplatte
- öffentliches WiFi

(Smart)phone

- Ohne SIM
- Akku raus
- mehr als an
- öffentliches WiFi
- alles via Tor



Verteidigungslevel



Personal Computer

- Bildschirm Sperre
- Updates
- Passwortmanager
- MFA

Webbrowser

- Adblock
- Suchmaschine

Smartphone

- Signal / Matrix



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Personal Computer

- Tails ohne Festplatte
- öffentliches WiFi

(Smart)phone

- Ohne SIM
- Akku raus
- mehr als an
- öffentliches WiFi
- alles via Tor



Mehr Infos

<https://ssd.eff.org/>

<https://digitalcourage.de/digitale-selbstverteidigung>

<https://riseup.net/de/security>

<https://www.kuketz-blog.de/empfehlungsecke/>





Digitale Selbstverteidigung

Verein



<https://chaotikum.org>

Workshop



<https://chaotikum.org/blog/2024/10/29/vortragsreihe-sicherheitspaket/>

Feedback



<https://2024.nook-luebeck.de/feedback#digitale-selbstverteidigung>