



Datenschutz/Privatsphäre (speziell bei Videokonferenzen)

Bernhard Collini-Nocker



Datenschutz: U25-Studie DIVSI: “Euphorie war gestern” Nov. 2018

„Generation Internet“

– alle sind online

☑ DIVSI

Alle

Jugendlichen und jungen
Erwachsenen sind online.



Quelle: DIVSI U25-Studie – Euphorie war gestern



Icons made by Freepik/Smashicons from www.flaticon.com

Mehr Messaging,

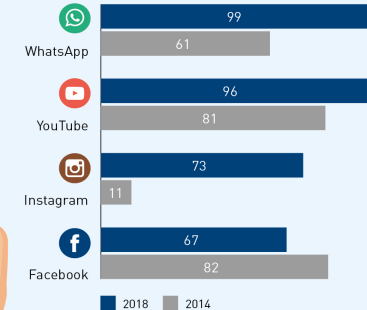
weniger Networking

☑ DIVSI

Facebook verliert an Beliebtheit bei den 14- bis 24-Jährigen,
dagegen starker Anstieg bei WhatsApp und Instagram

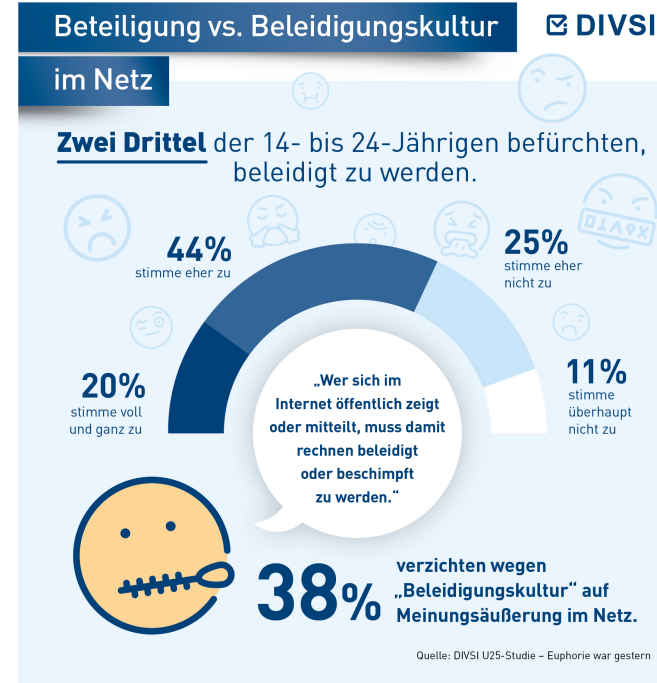
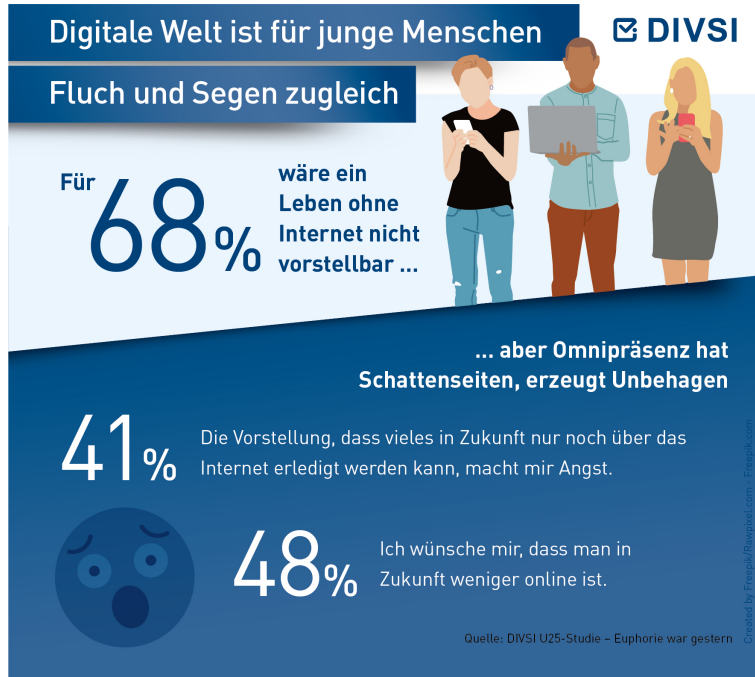


Wie häufig nutzt Du die folgenden
Social-Media-Angebote? in Prozent

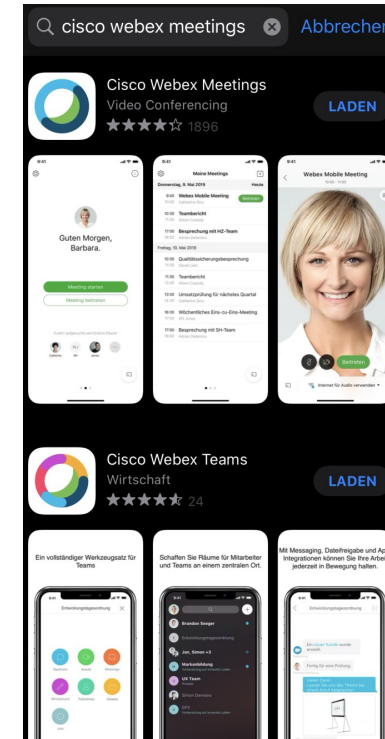
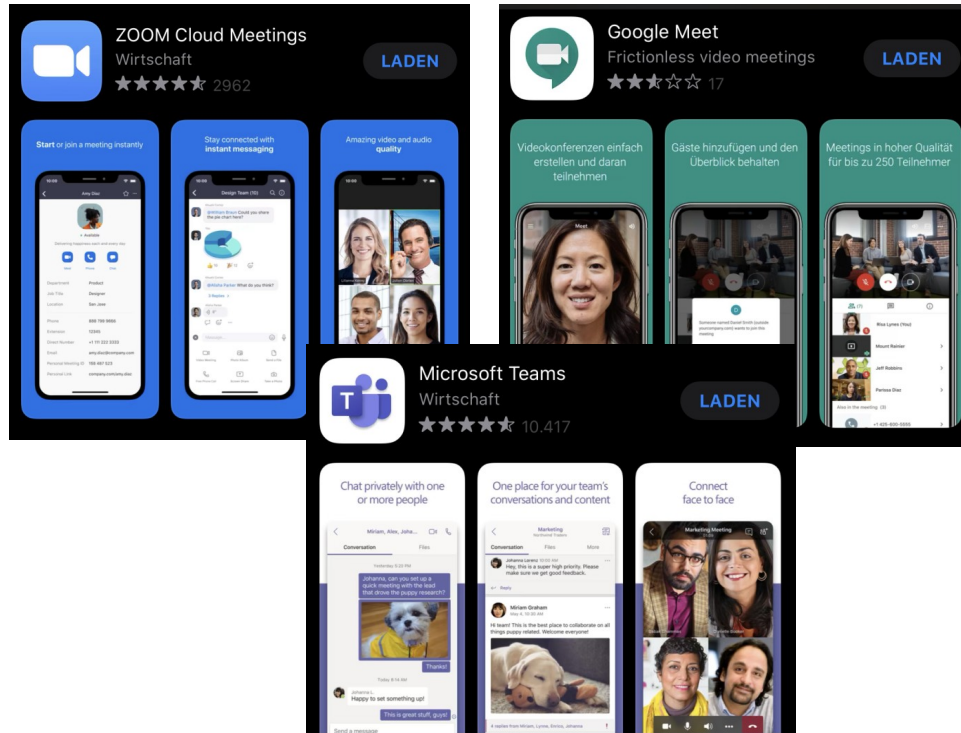


Quelle: DIVSI U25-Studie – Euphorie war gestern

Datenschutz: U25-Studie DIVSI: “Euphorie war gestern” Nov. 2018



Warum: weil alle Apps tracken!



Woher weiß ich das? App-Selbst-Vermessung!

```

sudo tcpdump port 53
File Edit View Terminal Tabs Help
P 192.168.2.2.49193 > 141.201.1.4.53: A? app-measurement.com. (37)
IP 141.201.1.4.53 > 192.168.2.2.49193: A 172.217.23.206 (308)
IP 192.168.2.2.56019 > 141.201.1.4.53: A? settings.crashlytics.com. (42)
IP 141.201.1.4.53 > 192.168.2.2.56019: CNAME crashlytics.l.google.com., A 172.217.23.227 (341)
IP 192.168.2.2.53876 > 141.201.1.4.53: A? init.itunes.apple.com. (39)
IP 141.201.1.4.53 > 192.168.2.2.53876: CNAME init-cdn.itunes-apple.com.akadns.net., CNAME itunes.apple.com.edgekey.net., CNAME e673.dsce9.akamaiedge.net., A 104.103.101.75 (512)
IP 192.168.2.2.55701 > 141.201.1.4.53: A? clients3.google.com. (37)
IP 141.201.1.4.53 > 192.168.2.2.55701: CNAME clients.l.google.com., A 216.58.201.110 (325)
IP 192.168.2.2.60312 > 141.201.1.4.53: A? www.gravatar.com. (34)
IP 141.201.1.4.53 > 192.168.2.2.60312: A 192.0.73.2 (247)
IP 192.168.2.2.49193 > 141.201.1.4.53: A? app-measurement.com. (37)
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IP 192.168.2.2.60312 > 141.201.1.4.53: A? www.gravatar.com. (34)
IP 141.201.1.4.53 > 192.168.2.2.60312: A 192.0.73.2 (247)
IP 192.168.2.2.62715 > 141.201.1.4.53: A? xp.apple.com. (30)
IP 192.168.2.2.55345 > 141.201.1.4.53: A? p22-buy.itunes.apple.com. (42)
IP 141.201.1.4.53 > 192.168.2.2.55345: CNAME p22-buy.itunes-apple.com.akadns.net., A 17.125.249.7 (492)
IP 141.201.1.4.53 > 192.168.2.2.62715: CNAME xp.itunes-apple.com.akadns.net., CNAME xp.apple.com.edgekey.net., CNAME e17437.dscb.akamaiedge.net., A 184.51.8.28 (486)

```

app-measurement.com, .google.com, .apple.com, www.gravatar.com, ...

Wer/was “macht” app-measurements.com? Suchen (nicht mit google ;)

Startpage.com

Settings Support Mail

app-measurement.com



iOS-Analytics deaktiviert trotzdem kontaktiert die App Analytics-Server

<https://forum.congstar.de/Self-Service/congstar-App/59249-iOS-Analytics-deaktiviert-trotzdem-kontaktiert-die-App-Analytics-Server> Anonymous View
... 11.01) Analytics deaktiviert, trotzdem kontaktiert die App munter weiter Server von google-analytics.com und app-measurement.com. Kann mir das jemand...

AppMeasurementService | Google APIs for Android

<https://developers.google.com/android/reference/com/google/android/gms/measurement/AppMeasurementService> Anonymous View
<manifest> <application> <!-- ... --> <service
android:name="com.google.android.gms.measurement. ... Inherited Constant Summary.
From class android.app.

Analysemethoden für mobile Apps - Google Analytics-Hilfe

<https://support.google.com/analytics/answer/7385763?hl=de> Anonymous View
Das Measurement Protocol und seine Verwendung; Das Google Analytics Services SDK ...

Measure - Apps on Google Play

https://play.google.com/store/apps/details?id=com.google.tango.measure&hl=en_US Anonymous View
Measure helps you with quick everyday measurements around the house or office, similar to a tape measure. With the Measure app, you can: • Measure the ...

Werkzeuge: whois app-measurement.com

The Registry database contains ONLY .COM, .NET, .EDU domains and Registrars.
Domain Name: app-measurement.com
Registry Domain ID: 1940386719_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.markmonitor.com
Registrar URL: <http://www.markmonitor.com>
Updated Date: 2020-05-18T02:34:28-0700
Creation Date: 2015-06-19T13:13:31-0700
Registrar Registration Expiration Date: 2021-06-19T00:00:00-0700
Registrar: MarkMonitor, Inc.
Registrar IANA ID: 292
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2083895770
Domain Status: clientUpdateProhibited (<https://www.icann.org/epp#clientUpdateProhibited>)
Domain Status: clientTransferProhibited (<https://www.icann.org/epp#clientTransferProhibited>)
Domain Status: clientDeleteProhibited (<https://www.icann.org/epp#clientDeleteProhibited>)
Registrant Organization: Google LLC
Registrant State/Province: CA
Registrant Country: US
Registrant Email: Select Request Email Form at <https://domains.markmonitor.com/whois/app-measurement.com>
Admin Organization: Google LLC
Admin State/Province: CA
Admin Country: US
Admin Email: Select Request Email Form at <https://domains.markmonitor.com/whois/app-measurement.com>
Tech Organization: Google LLC
Tech State/Province: CA
Tech Country: US
Tech Email: Select Request Email Form at <https://domains.markmonitor.com/whois/app-measurement.com>
Name Server: ns4.google.com
Name Server: ns2.google.com
Name Server: ns3.google.com
Name Server: ns1.google.com
DNSSEC: unsigned
URL of the ICANN WHOIS Data Problem Reporting System: <http://wdprs.internic.net/>
>>> Last update of WHOIS database: 2020-05-18T13:21:04-0700 <<<

- Registrar: MarkMonitor, Inc.
- Registrant Organization: **Google LLC**
- Registrant State/Province: **CA**
- Registrant Country: **US**
- Tech Organization: **Google LLC**
- Tech State/Province: CA
- Tech Country: US
- Name Server: **ns1.google.com**
- Name Server: **ns2.google.com**

Typisches “Service” am Beispiel www.gravatar.com

The screenshot shows the Gravatar website homepage. At the top, there is a navigation bar with links: "What is Gravatar?", "How to Use Gravatar", "Help", "WordPress.com", and a "Sign in" button. The main header features the Gravatar logo and the tagline "A Globally Recognized Avatar". Below this, a text block explains that a Gravatar is an image that follows a user across different websites. To the right of this text is a profile card for a user named "Matt", showing his avatar and a brief bio. Below the main text, there is a section titled "FOR SITE OWNERS" which explains how to set up Gravatars on a website and provides links to plugins and tutorials. At the bottom, there is a footer with logos of various services that use Gravatars, including WordPress, Hootsuite, Battlefield 3, American Idol, GitHub, Techdirt, Disqus, and Stackoverflow.

G What is Gravatar? How to Use Gravatar Help W WordPress.com Sign in

Gravatar A Globally Recognized Avatar

Your Gravatar is an image that follows you from site to site appearing beside your name when you do things like comment or post on a blog. Avatars help identify your posts on blogs and web forums, so why not on any site?

Matt
embarcadero and townsend, of ca
In 2002 I started contributing to Open Source software, and life has just gotten better from there. Co-founder of WordPress, founder Automatic.
[View Complete Profile](#)

JavaScript required to play [Introducing Gravatar](#).

[Create Your Own Gravatar](#)

FOR SITE OWNERS

Setting up Gravatars on your site is easy; you don't even need an account! [Plugins are available](#) for leading blog software and content management systems, and [our tutorials](#) will have you running Gravatars in no time.
[Example Plugins and Code →](#)

Millions of avatar images are being served over 8.6 billion times per day. **Join** some of the other sites that use Gravatar:

WordPress hootsuite Social Media Dashboard BATTLEFIELD 3 BATTLELOG American Idol github SOCIAL CODING techdirt DISQUS stackoverflow

WIRESHARK.COM

Wifi packet sniffing legalities

Packet sniffing, in the wrong context, is illegal and governed by multiple laws. For example, the Wiretap Act states, *"to intercept and monitor [communications] placed over their facilities in order to combat fraud and theft of service."*



[Home](#) | [Wireshark Review](#) | [WinPcap](#) | [FAQS](#) | [Common Issues](#) | [Wifi Terminology](#) | [Blog](#)

What is a network protocol analyzer?

A network protocol analyzer is a combination of programming and hardware and in certain cases, a separate hardware device that can be installed in a network or computer in order to improve its security level against viruses and other types of malicious activities.

Was ist so gefährlich daran?

- Heroinsuchtgefahr!



<https://www.imdb.com/title/tt0082176/>

- Spielsuchtgefahr!

<https://de.wikipedia.org/wiki/Computerspielabh%C3%A4ngigkeit>

1. Gedankliche Eingenommenheit
2. Entzugssymptome
3. Toleranzentwicklung
4. Fehlende Kontrolle
5. Interessenverlust
6. Weitere Nutzung trotz auftauchender Probleme
7. Vertuschen
8. Flucht
9. Schwerwiegende Folgen^[2]

https://de.wikipedia.org/wiki/Massively_Multiplayer_Online_Role-Playing_Game

- Nudging



https://media.ccc.de/v/fifffkon18-5-digitale_entmundung#t=4

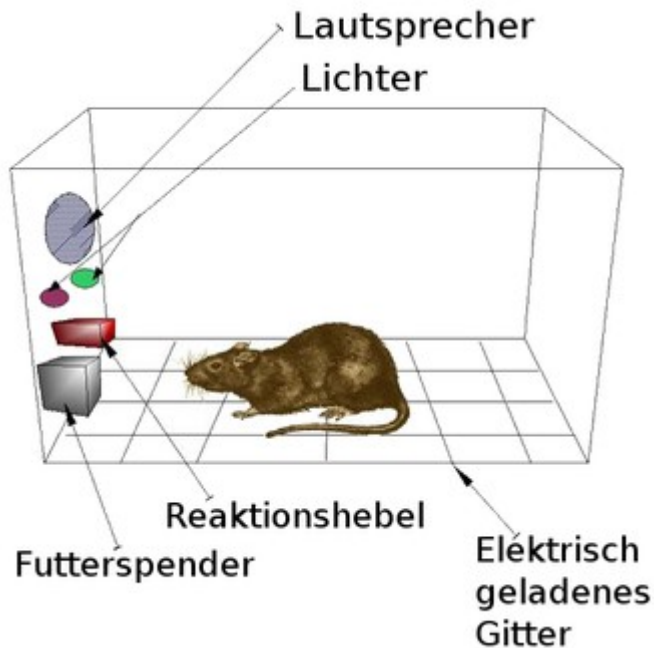
E...I...f...F...

https://de.wikipedia.org/wiki/Forum_InformatikerInnen_f%C3%BCr_Frieden_und_gesellschaftliche_Verantwortung

- Predictive Analytics

- Predictive policing
- People Analytics
- Risikoabschätzung
- Rückfallrisiko
- ...

Wohin die Reise gehen könnte?



- B.F.Skinner “Walden Two”
- Behaviorismus
- Verhaltensanalyse
- operante Konditionierung
- Programmierter Unterricht

Wie es soweit kommen konnte bzw Wo wir derzeit sind?

SHOSHANA
ZUBOFF

WELCOME ABOUT

THE AGE OF
SURVEILLANCE CAPITALISM

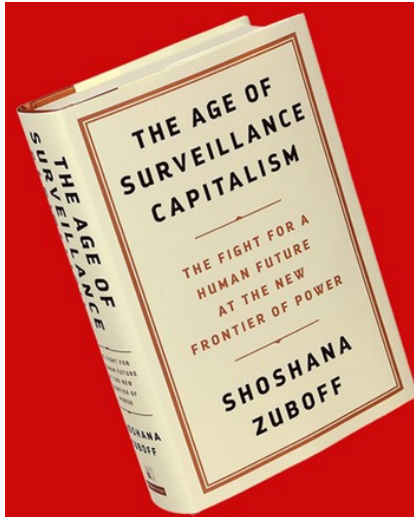
MEDIA

ARTICLES

EVENTS

BUY

CONTACT



UNDER WHOSE EYE?



THE AGE OF
SURVEILLANCE
CAPITALISM

*If you have nothing to hide,
then you are nothing.*

Shoshana Zuboff

<https://shoshanazuboff.com/book/>

Questions?

„Computer says No“ ;)

- <https://www.forbes.com/sites/kateoflahertyuk/2020/03/06/meet-lockdown-the-app-that-reveals-whos-tracking-you-on-your-iphone/>
- <https://shoshanazuboff.com/book/>
- <https://mobilsicher.de/>
- <https://wireshark.org/>
- [startpage.com](#), [ecosia.org](#), ...