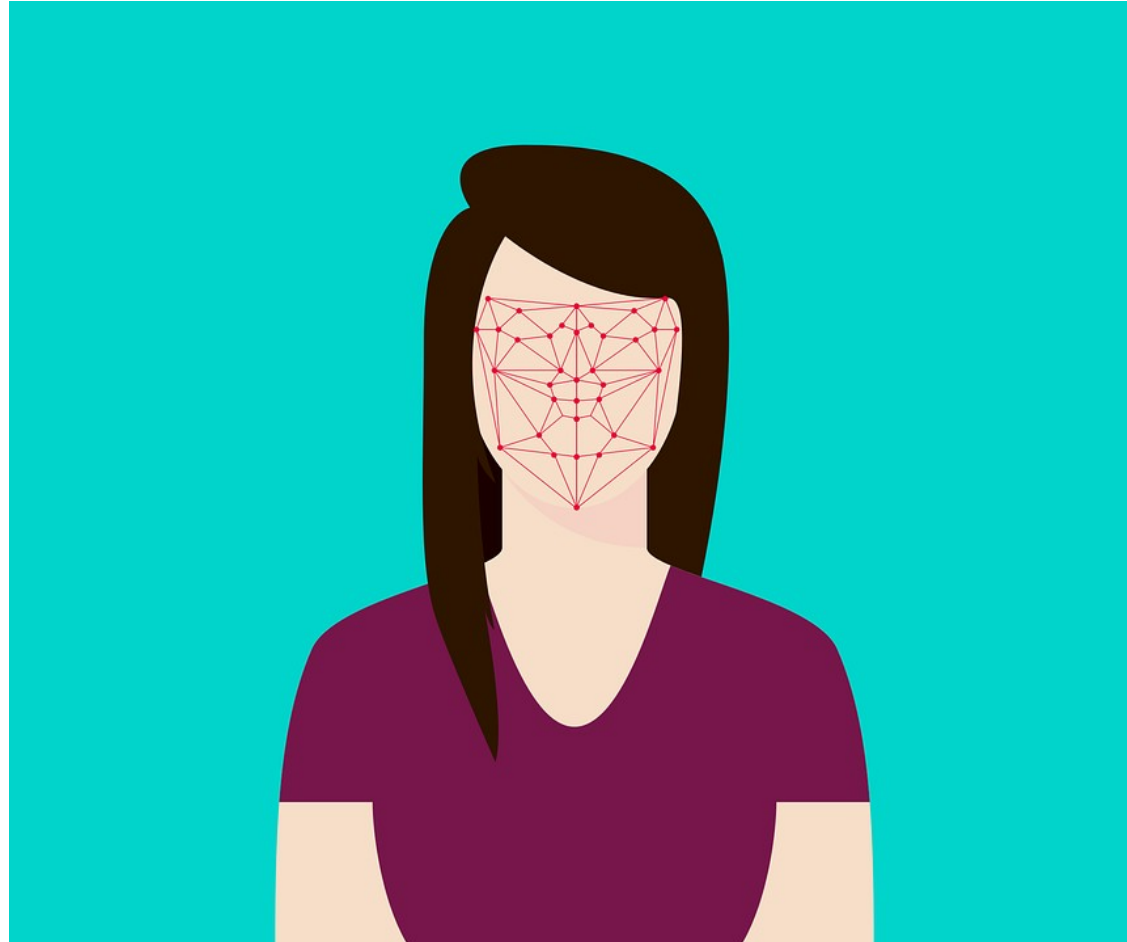


Informatik und Gesellschaft



„Laie“

„Experte“

SECURITY NONEXPERTS' TOP ONLINE SAFETY PRACTICES	VS	SECURITY EXPERTS' TOP ONLINE SAFETY PRACTICES	
1. USE ANTIVIRUS SOFTWARE			1. INSTALL SOFTWARE UPDATES
2. USE STRONG PASSWORDS			2. USE UNIQUE PASSWORDS
3. CHANGE PASSWORDS FREQUENTLY		2	3. USE TWO-FACTOR AUTHENTICATION
4. ONLY VISIT WEBSITES THEY KNOW			4. USE STRONG PASSWORDS
5. DON'T SHARE PERSONAL INFORMATION			5. USE A PASSWORD MANAGER

Quelle: Google Security Blog, 25.06.2015, <https://security.googleblog.com/2015/07/new-research-comparing-how-security.html> (20191011)

Passwörter, sind Mist, aber...

- Mindestens 10 Zeichen lang
- Nicht aus einem Wörterbuch
- Nicht aus persönlichen Informationen ableitbar
- **Für jede Seite/jeden Zweck ein anderes Passwort**



Warum?



„Wörterbuchangriff“
→ Vollautomatisch!

Passwort wiederverwendet?



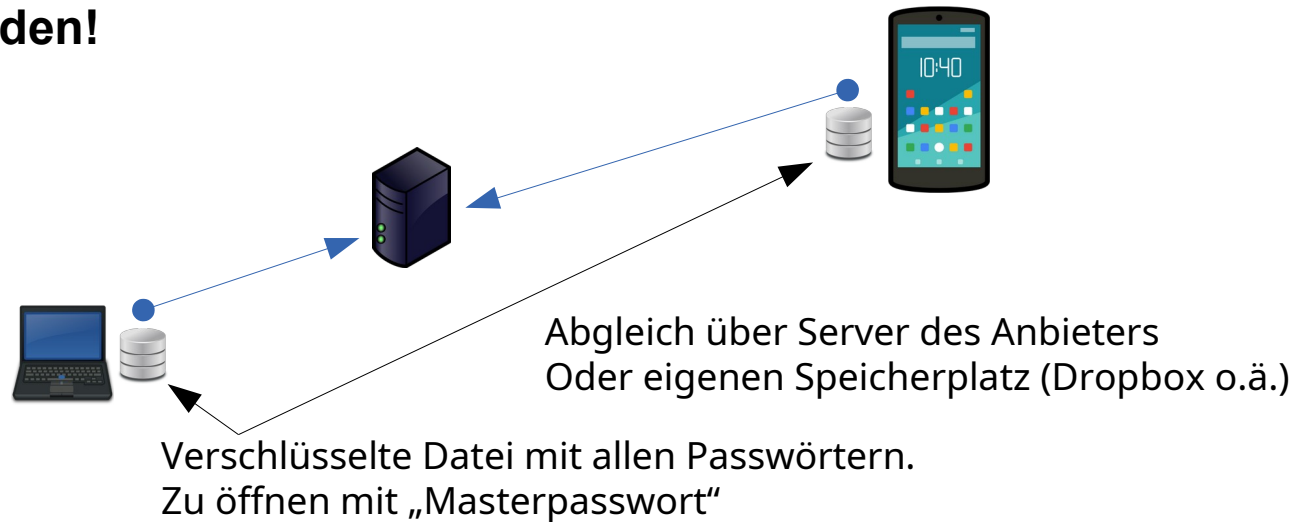
Username: `frank@yahoo.de`
Passworthash: `fefc3...322aa8`

„supergeheim“

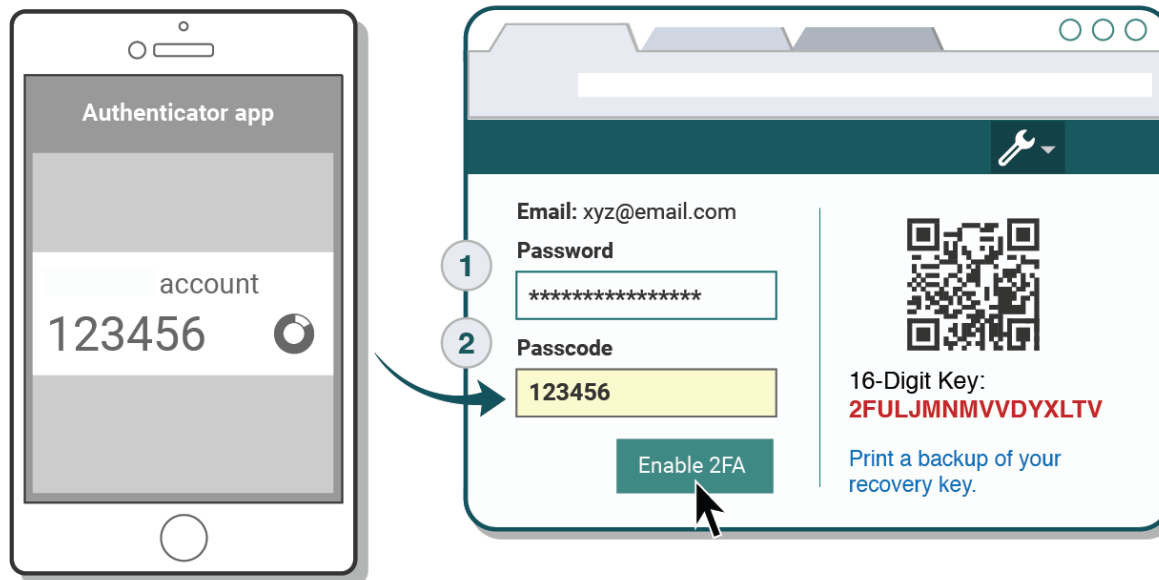
Google
Amazon...
Twitter

Passwortmanager verwenden!

- <https://bitwarden.com/>
- <https://lastpass.com>
- <https://1password.com>
- <https://www.enpass.io/>
- <http://keepass.info/>



Zweifaktor Auth!



Warum Updates?

→ **Möglichst zeitnahes Schließen von Sicherheitslücken**



Gefahren bei Unterlassung:

„Drive by Infektionen“
Anfälliger für bösartige Dateianhänge
Worst Case: „Remote Code Execution“ ohne
Zutun des Anwenders

Weit Verbreiteter Irrtum: Ein Virens scanner schützt.

**Nein – ein Virens scanner schützt davor praktisch überhaupt nicht,
Updates sind alternativlos.**



Google Pixel C

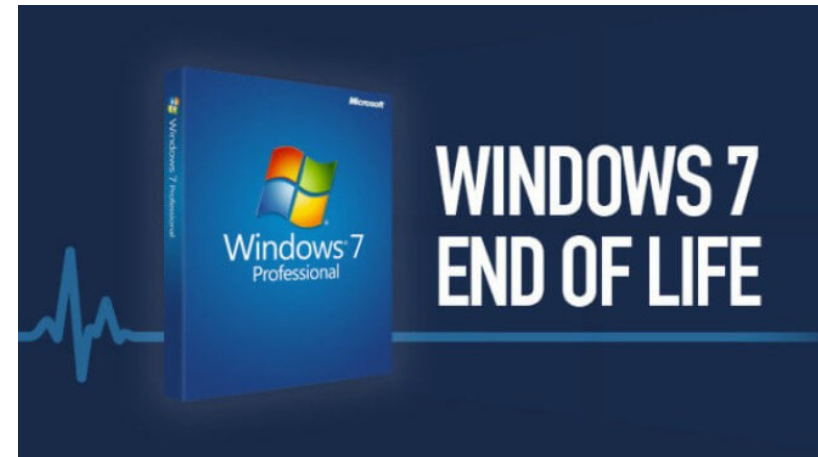
Erschienen: 08.12.2015

Pixel C



Google Pixel C with keyboard running LineageOS

Also known as	Dragon (Board) or Smaug (Bootloader)
Developer	Google
Manufacturer	Quanta, Foxconn (as contract manufacturers)
Product family	Google Pixel
Type	Tablet computer
Release date	December 8, 2015
Introductory price	32 GB: US\$499 64 GB: US\$599 Pixel C Keyboard: US\$149
Discontinued	December 28, 2017
Operating system	Original: Android 6.0 "Marshmallow" Current: Android 8.1 "Oreo" (without Treble) ^[1]

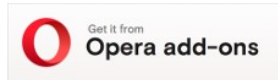
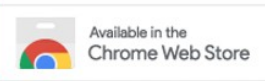


14.01.2020 Supportende.
Keine Updates mehr.

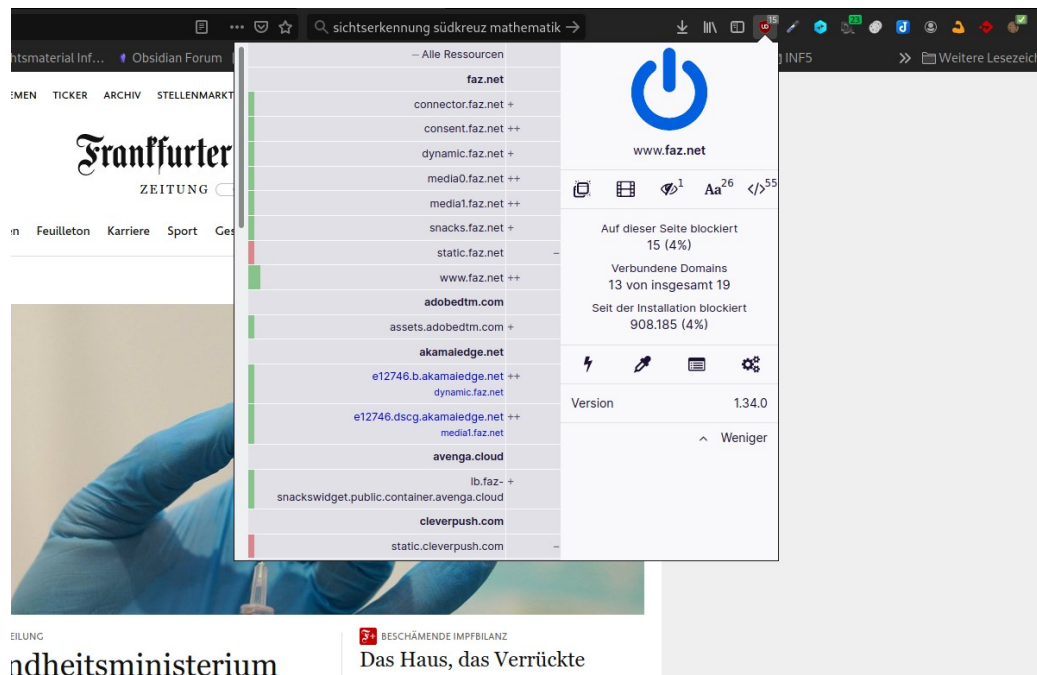
Kein sicherer Betrieb mehr möglich! (Stand 2020)

Werbeblocker/Trackingblocker sind Pflicht, wo immer möglich

<https://github.com/gorhill/uBlock>



uBlock Origin



Android → Blokada: <https://www.kuketz-blog.de/blokada-tracking-und-werbung-unter-android-unterbinden/>

Backups!

Datenträger gehen kaputt.

Festplatten
USB-Sticks
SSD Media

Gefahr durch Schädlinge (Verschlüsselungstrojaner)

Man muss (automatisierte) Datensicherungen vorhalten!



On Tuesday, a GitLab administrator had accidentally erased a directory of live production data during a routine database replication. In the process of restoring from the last backup, taken six hours prior, the company had discovered that none of its five backup routines worked entirely correctly. The incident report, which GitLab posted online, noted that erasure affected issues and merge requests but not the git repositories themselves.

<https://thenewstack.io/minimal-data-loss-gitlab-leads-major-review-restore-processes/>

Dropbox sync glitch results in lost data for some subscribers

The popular online file storage service has told some users that files were inadvertently deleted from their online accounts and all synced devices because of an apparent coding error in its Selective Sync app.

<https://www.zdnet.com/article/dropbox-sync-glitch-results-in-lost-data-for-some-subscribers/>