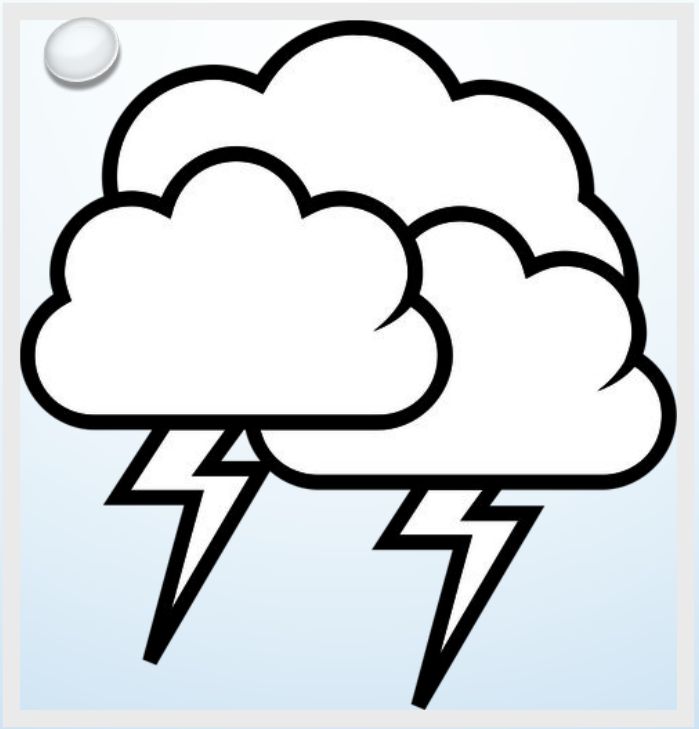


THUNDERSTORM

5 MINUTEN, 5 THEMEN

- BROWSER
- FIREFOX SYNC
  - SYNC
    - FAVORITEN
    - HISTORY
    - PASSWÖRTER
  - SEND TABS
- FIREFOX SEND DATEIEN

HTTPS://SEND.FIREFOX.COM/

Firefox ist Technologie, die sich für dich einsetzt.

Firefox Browser

Beweg dich mit jedem Gerät sicher durchs Internet.

Firefox Lockwise

Schütze deine Passwörter und nimm sie überall mit hin.

Firefox Monitor

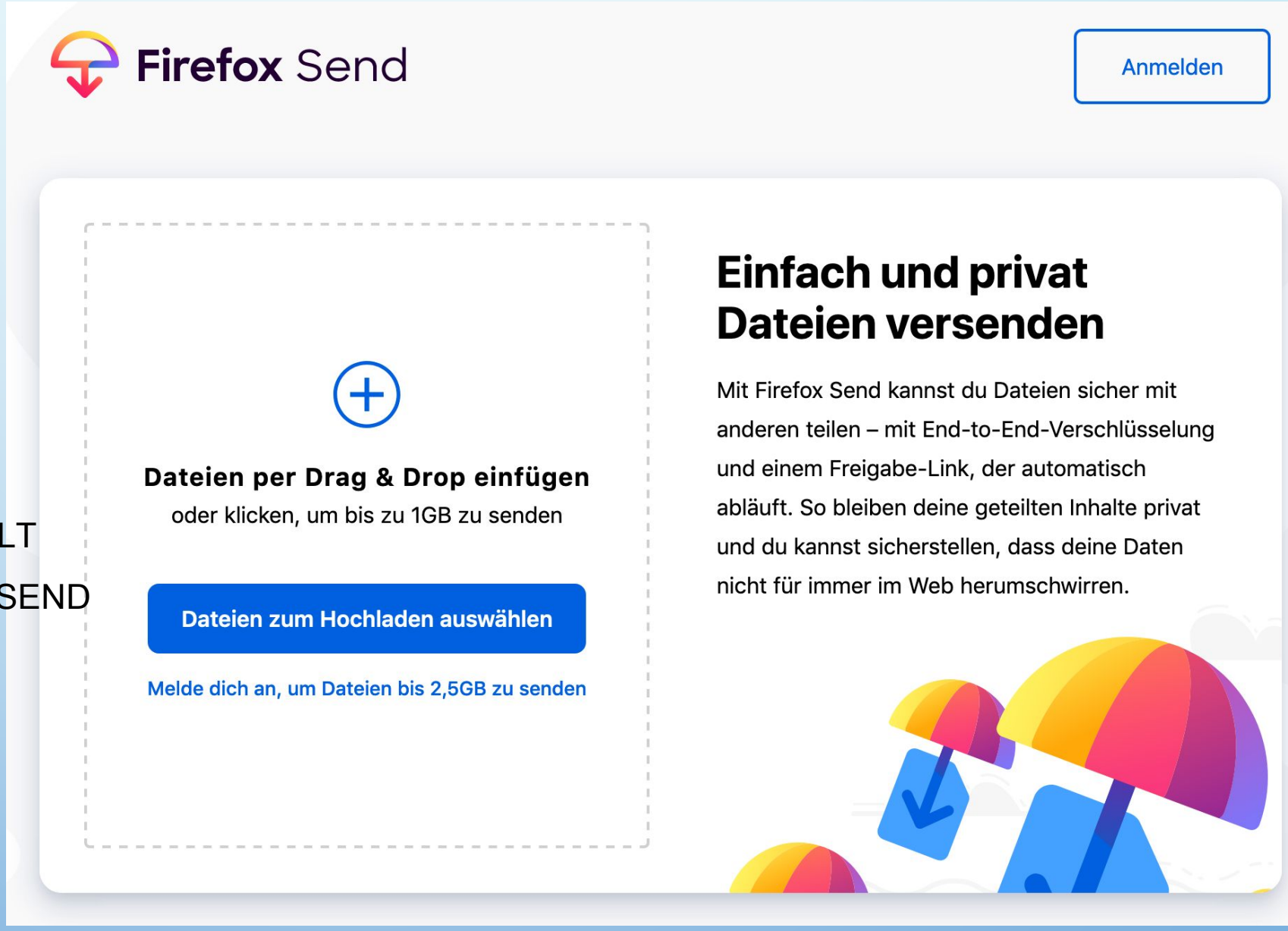
Hol dir jemanden zur Seite, der Datenleaks im Auge behält.

Firefox Send

Versende große Dateien, geschützt vor neugierigen Blicken.

Hol dir all das auf jedes deiner Geräte – egal welches Betriebssystem du nutzt.

- ENDE-ZU-ENDE-VERSCHLÜSSELT
- HTTPS://GITHUB.COM/MOZILLA/SEND

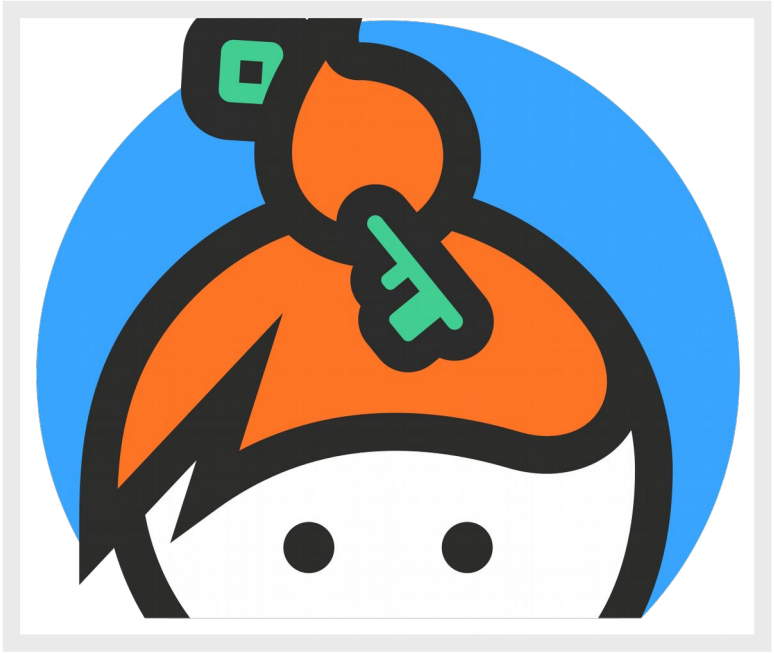


- HTTPS://SEND.FIREFOX.COM/DOWNLOAD/FCF908410F19FC44/#AIQYPYTPORHINHDL4PW9HA

KEYBASE

- WEB OF TRUST 2019 (DONE RIGHT)
-
- COMMAND LINE, DESKTOP, APP, BROSWER ADDON
- GPG
- TEAMS
- CHAT
- FILESYSTEM (250 GB. KEIN SYNC)
- GIT

- HTTPS://KEYBASE.IO/DOCS



Hi cecileb!

People
Chat 2
Files
Teams
Wallet
Git
Devices
Settings

Search (⌘K)

tammy 10:09 AM
Exciting times!

max 9:32 AM
Thanks!

keybase.design 8:59 AM
chris is typing...

karenm Sat
When's the next happy h...

chris Fri
/flip heads, tails

+298 more

keybase

#bestcoast
#boardgames
#core
#design
#frontend
#general

keybase#design
The best team.

1

chris 10:06 AM
Sounds good

cecileb 10:08 AM
Here's an illustration w

1

adamjspooner 2:11 PM -
+1USD@cecileb

Write a message

songgao is typing...

11:39

illustrations

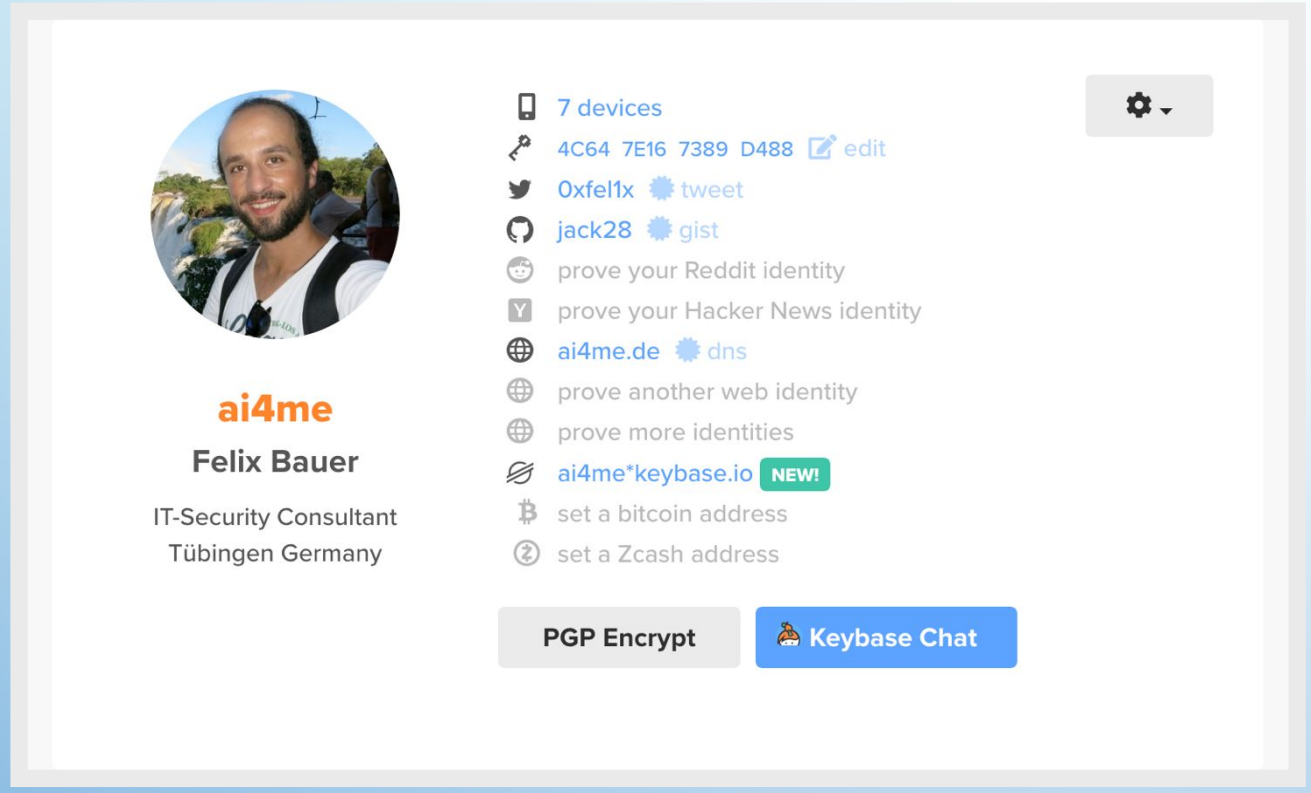
Research

friends-216.png
Yesterday at 4:20 PM by cecileb

friends-216@2x.png
Yesterday at 4:20 PM by cecileb

friends-216@3x.png
Yesterday at 4:20 PM by cecileb

friends-illustration.ai
Wed Apr 4 2018 at 10:50 AM by cecileb

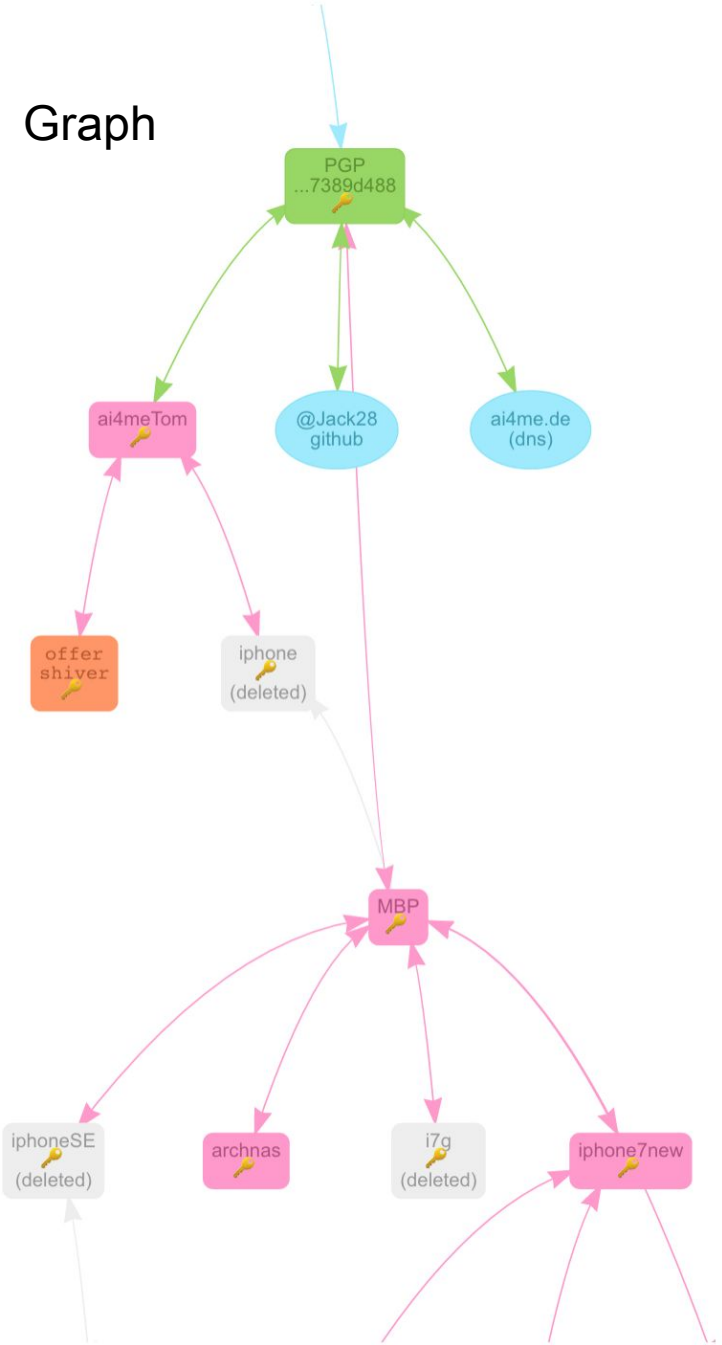


SECURE GROUPS, FILES, AND CHAT FOR EVERYONE!

```
chris warhol ~ >keybase login max
How would you like to sign this install of Keybase?

(1) Use an existing device
(2) Use a paper key
(3) Use my Keybase passphrase
(4) Use GPG
Choose a signing option:
```

+ Sigchain

Graph



ALPINELINUX
SMALL. SIMPLE. SECURE.
ALPINE LINUX IS A SECURITY-ORIENTED, LIGHTWEIGHT LINUX DISTRIBUTION BASED ON MUSL LIBC AND BUSYBOX.
https://www.alpinelinux.org/

diskless mode

You'll boot from a read-only medium such as the installation CD, a USB drive, or a Compact Flash card.

> **Tip:** To prepare either a USB or Compact Flash card, you can use the `setup-bootable` script; see the pa

When you use Alpine in this mode, you need to use Alpine Local Backup (lbu) to save your modifications betw
you can save modifications there; you don't need a separate partition or drive. See also Local APK cache.

> **Note:** When the `setup-alpine` script asks for a disk, say "none". It will then prompt whether you'd like to

data mode

As in diskless mode, your OS is run from a read-only medium. However, here a writable partition (usually on a
better-suited to uses where large amounts of data need to be preserved between reboots.

> **Note:** The `setup-alpine` script handles installing Alpine in this mode, too, when you supply a writable pa

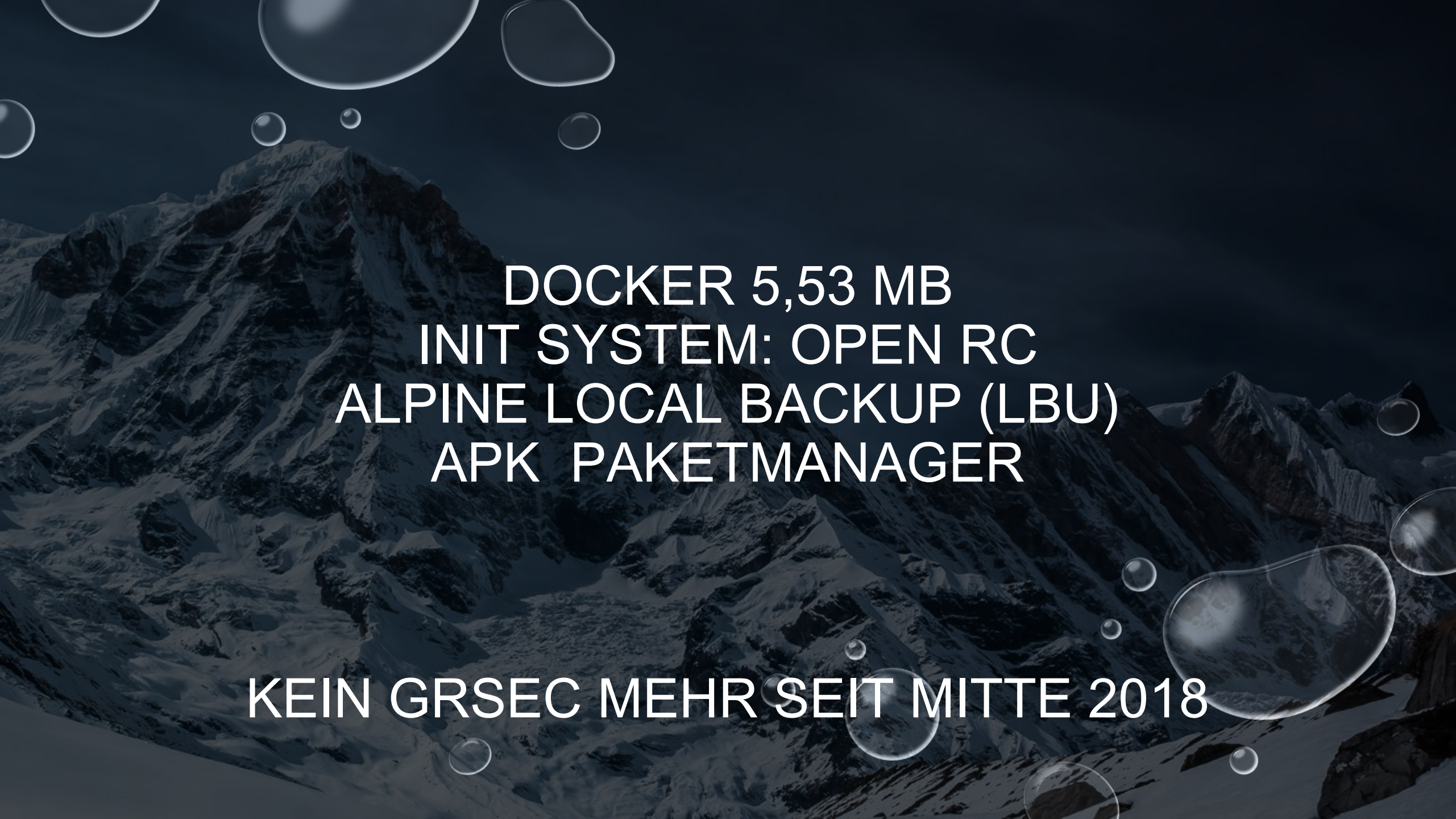
This mode may be used for mailspools, database and log servers, and so on.

sys mode

This is a traditional hard-disk install (see link for details). Both the boot system and your modifications are writt

> **Note:** The `setup-alpine` script handles installing Alpine in this mode, too, when you supply a writable pa
> `swap`; however you can also partition your disk manually.

This mode may be used for desktops, development boxes, and virtual servers.

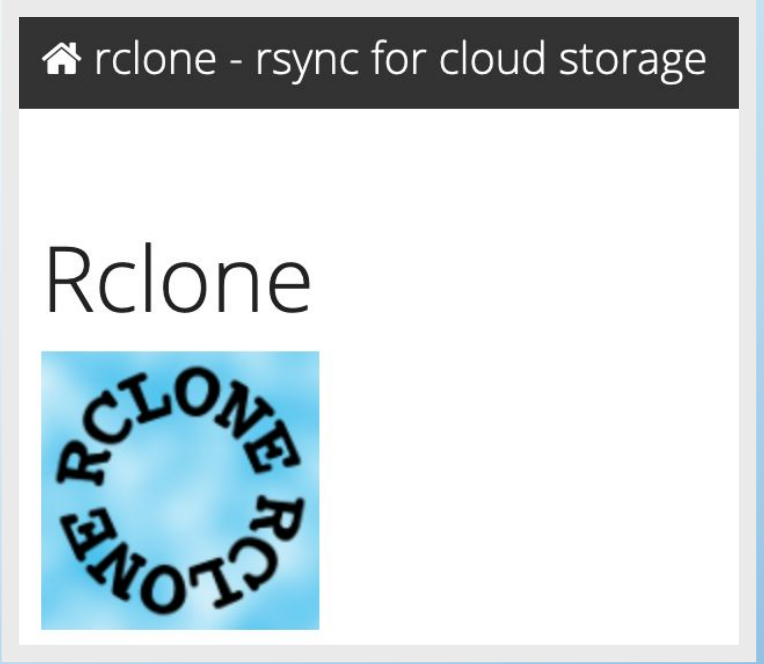

DOCKER 5,53 MB
INIT SYSTEM: OPEN RC
ALPINE LOCAL BACKUP (LBU)
APK PAKETMANAGER
KEIN GRSEC MEHR SEIT MITTE 2018

Rclone is a command line program to sync files and directories to and from:

- Alibaba Cloud (Aliyun) Object Storage System (OSS)
- Amazon Drive (See note)
- Amazon S3
- Backblaze B2
- Box
- Ceph
- DigitalOcean Spaces
- Dreamhost
- Dropbox
- FTP
- Google Cloud Storage
- Google Drive
- HTTP
- Hubic
- Jottacloud
- IBM COS S3
- Koofr
- Memset Memstore
- Mega
- Microsoft Azure Blob Storage
- Microsoft OneDrive
- Minio
- Nextcloud
- OVH
- OpenDrive
- Openstack Swift
- Oracle Cloud Storage
- ownCloud
- pCloud
- put.io
- QingStor
- Rackspace Cloud Files
- rsync.net
- Scaleway
- SFTP
- Wasabi
- WebDAV
- Yandex Disk
- The local filesystem

RCLONE

- Copy
- Sync
- Move
- Serve
- Mount
-
- Command line



https://rclone.org/

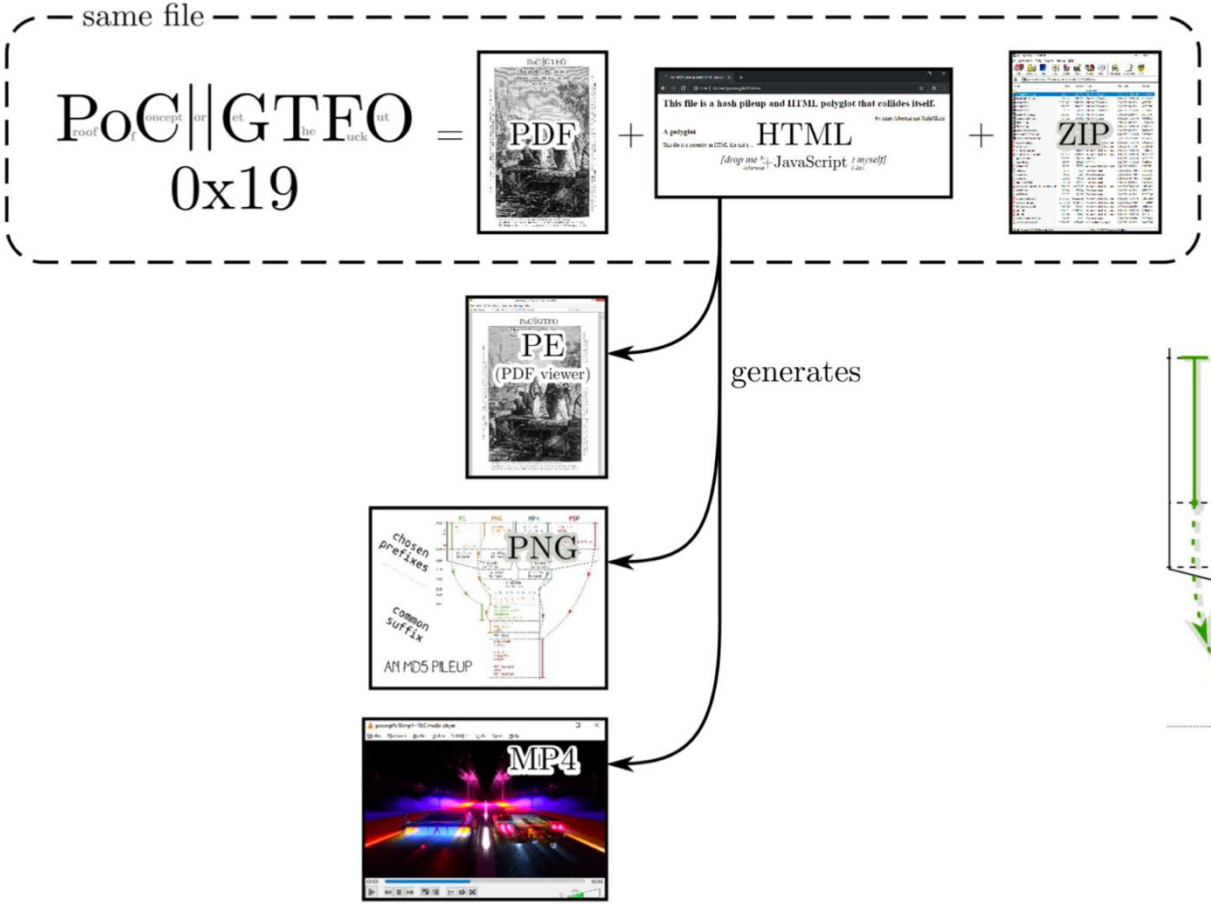
LUSTIGE DATEIEN

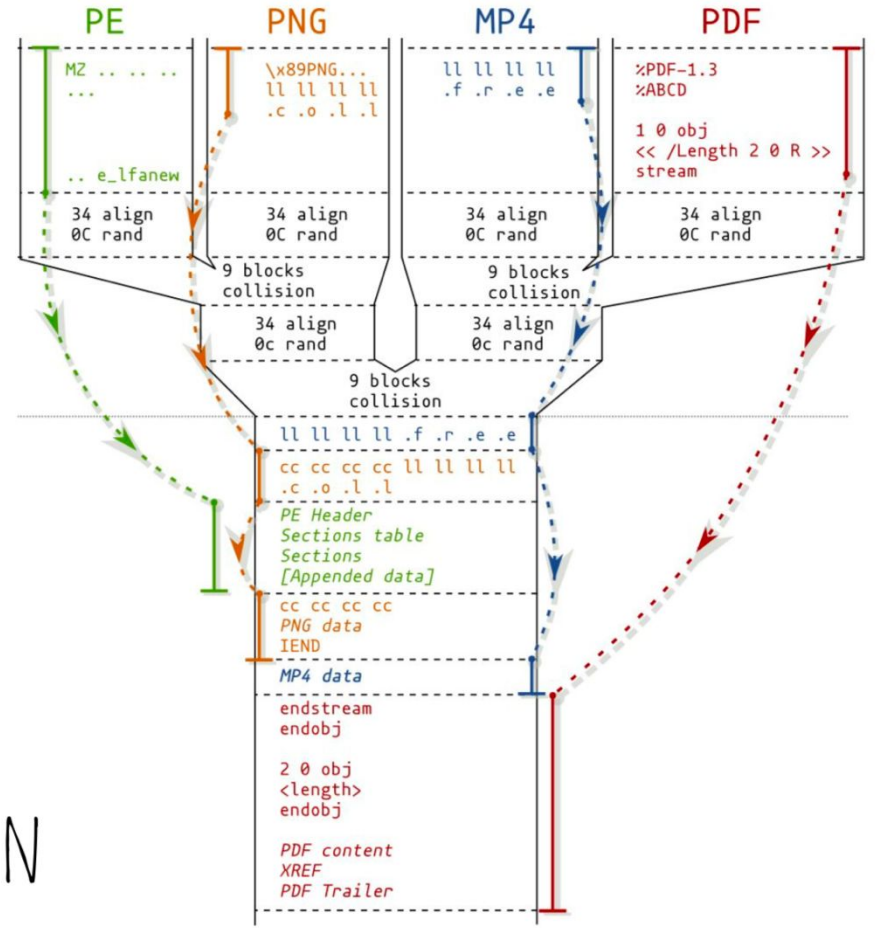
- MAGIC BYTES
- HTTPS://EN.WIKIPEDIA.ORG/WIKI/LIST_OF_FILE_SIGNA

```
[felix:LustigeDateien/ $ cat file1
BZh91AY=""

file $0
[felix:LustigeDateien/ $ bash file1
file1: bzip2 compressed data, block size = 900k
[felix:LustigeDateien/ $ cat file2
GIF87a=""

file $0
[felix:LustigeDateien/ $ bash file2
file2: GIF image data, version 87a, 8765 x 2594
[felix:LustigeDateien/ $ cat file3
LZIP=""

file $0
[felix:LustigeDateien/ $ bash file3
file3: lzip compressed data, version: 61
[felix:LustigeDateien/ $ cat file4
%!PS=""

file $0
[felix:LustigeDateien/ $ bash file4
file4: line 1: fg: no job control
file4: PostScript document text
[felix:LustigeDateien/ $ cat file5
OggS=""

file $0
[felix:LustigeDateien/ $ bash file5
file5: Ogg data UNKNOWN REVISION 61
[felix:LustigeDateien/ $
```

```
felix:LustigeDateien/ $ cat bashpython

z=""" "
echo Write bash code here

function pass(){ exit; }
z=" """
pass

print("Write python code here")
felix:LustigeDateien/ $ bash bashpython
Write bash code here
felix:LustigeDateien/ $ python bashpython
Write python code here
felix:LustigeDateien/ $
```

BASH PYTHON



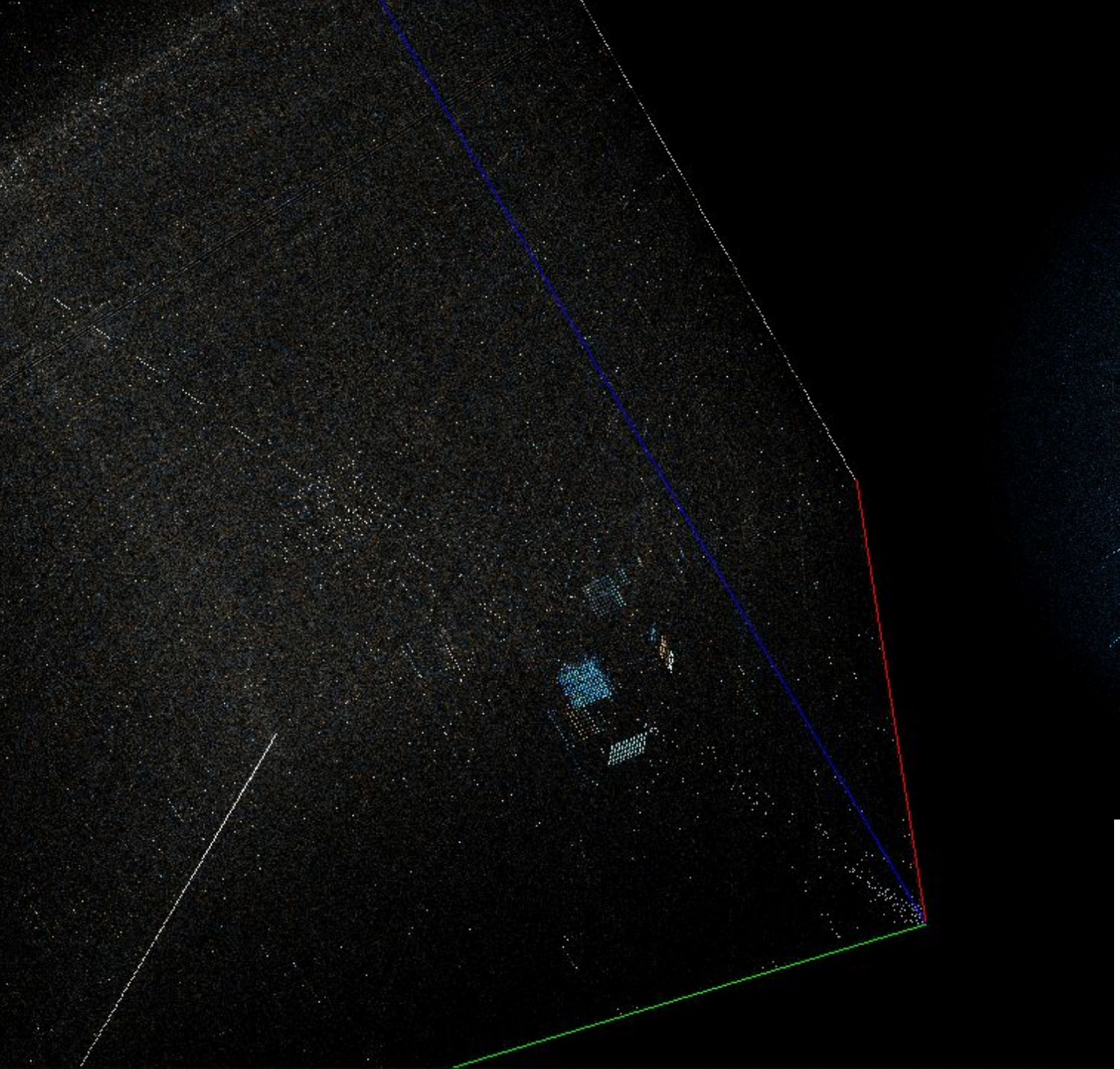


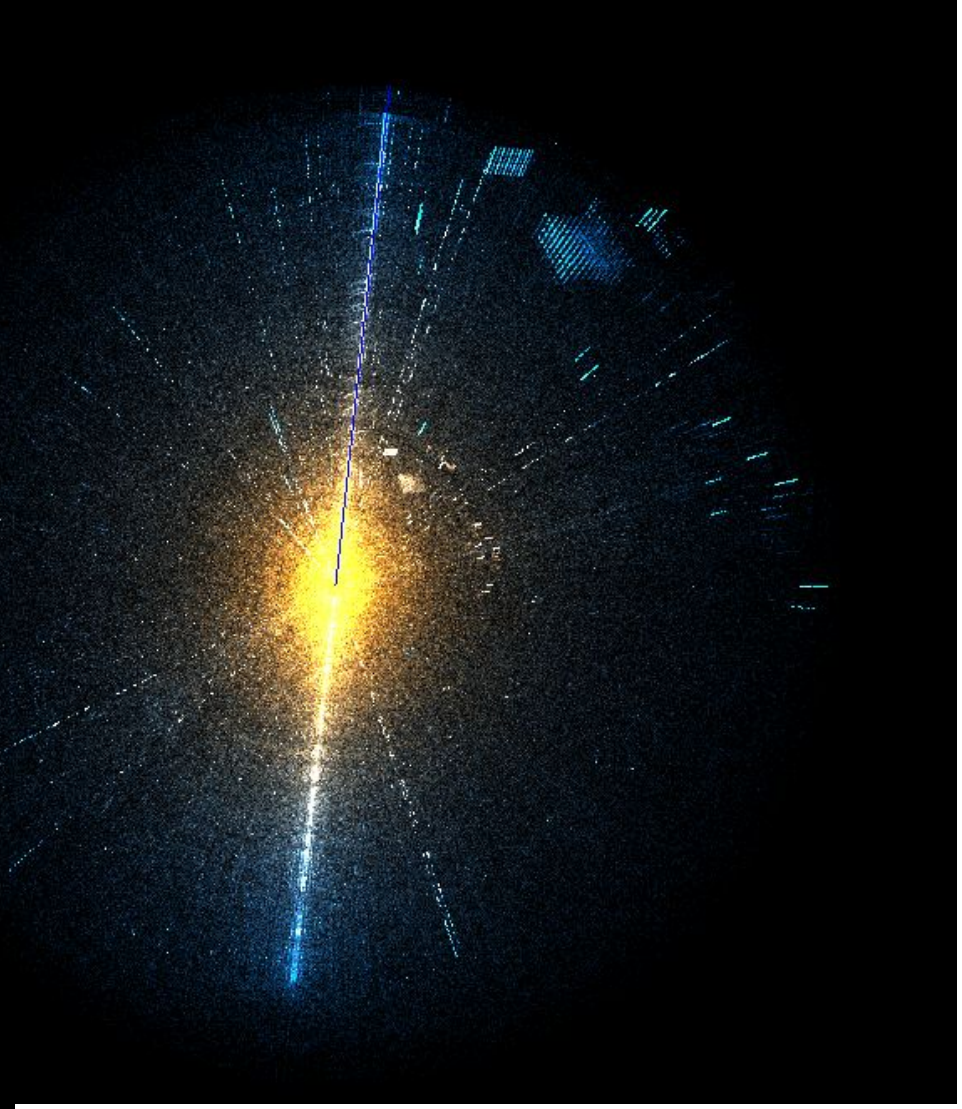
Taking collisions to extremes:

instant & generic PDF/PE/PNG/MP4 collision

https://speakerdeck.com/ange/kill-md5

```
000005e0  39 20 30 20 52 20 32 34 30 33 20 30 20 52 20 32 34 30 37 20 30 20 52 20 32 34 31 31 20 30 20 52  |9 0 R 2403 0 R 2407 0 R 2411 0 R|
00000600  20 32 34 31 35 20 30 20 52 20 32 34 31 39 20 30 20 52 20 32 34 32 33 20 30 20 52 20 32 34 32 37  | 2415 0 R 2419 0 R 2423 0 R 2427|
00000620  20 30 20 52 20 32 34 33 31 20 30 20 52 20 32 34 33 35 20 30 20 52 20 32 34 33 39 20 30 20 52 20  | 0 R 2431 0 R 2435 0 R 2439 0 R |
00000640  32 34 34 33 20 30 20 52 20 32 34 34 37 20 30 20 52 5d 2f 50 6f 6c 79 67 6c 6f 74 50 61 79 6c 6f  |2443 0 R 2447 0 R]/PolyglotPaylo|
00000660  61 64 20 34 20 30 20 52 3e 3e 0a 65 6e 64 6f 62 6a 0a 0a 33 20 30 20 6f 62 6a 0a 3c 3c 2f 54 79  |ad 4 0 R>>.endobj..3 0 obj.<</Ty|
00000680  70 65 2f 50 61 67 65 73 2f 43 6f 75 6e 74 20 37 37 2f 4b 69 64 73 5b 35 38 31 20 30 20 52 20 35  |pe/Pages/Count 77/Kids[581 0 R 5|
000006a0  38 35 20 30 20 52 20 35 38 39 20 30 20 52 20 35 39 33 20 30 20 52 20 35 39 37 20 30 20 52 20 36  |85 0 R 589 0 R 593 0 R 597 0 R 6|
000006c0  30 31 20 30 20 52 20 36 30 35 20 30 20 52 20 36 30 39 20 30 20 52 20 36 31 33 20 30 20 52 20 36  |01 0 R 605 0 R 609 0 R 613 0 R 6|
000006e0  31 37 20 30 20 52 20 36 32 31 20 30 20 52 20 36 32 35 20 30 20 52 20 36 32 39 20 30 20 52 20 36  |17 0 R 621 0 R 625 0 R 629 0 R 6|
00000700  33 33 20 30 20 52 20 36 33 37 20 30 20 52 20 36 34 31 20 30 20 52 20 36 34 35 20 30 20 52 20 36  |33 0 R 637 0 R 641 0 R 645 0 R 6|
00000720  34 39 20 30 20 52 20 36 35 33 20 30 20 52 20 36 35 37 20 30 20 52 20 36 36 31 20 30 20 52 20 36  |49 0 R 653 0 R 657 0 R 661 0 R 6|
00000740  36 35 20 30 20 52 20 36 36 39 20 30 20 52 20 36 37 33 20 30 20 52 20 36 37 37 20 30 20 52 20 36  |65 0 R 669 0 R 673 0 R 677 0 R 6|
00000760  38 31 20 30 20 52 20 36 38 35 20 30 20 52 20 36 38 39 20 30 20 52 20 36 39 33 20 30 20 52 20 36  |81 0 R 685 0 R 689 0 R 693 0 R 6|
00000780  39 37 20 30 20 52 20 37 30 31 20 30 20 52 20 37 30 35 20 30 20 52 20 37 30 39 20 30 20 52 20 37  |97 0 R 701 0 R 705 0 R 709 0 R 7|
000007a0  31 33 20 30 20 52 20 37 31 37 20 30 20 52 20 37 32 31 20 30 20 52 20 37 32 35 20 30 20 52 20 37  |13 0 R 717 0 R 721 0 R 725 0 R 7|
000007c0  32 39 20 30 20 52 20 37 33 33 20 30 20 52 20 37 33 37 20 30 20 52 20 37 34 31 20 30 20 52 20 37  |29 0 R 733 0 R 737 0 R 741 0 R 7|
000007e0  34 35 20 30 20 52 20 37 34 39 20 30 20 52 20 37 35 33 20 30 20 52 20 37 35 37 20 30 20 52 20 37  |45 0 R 749 0 R 753 0 R 757 0 R 7|
00000800  36 31 20 30 20 52 20 37 36 35 20 30 20 52 20 37 36 39 20 30 20 52 20 37 37 33 20 30 20 52 20 37  |61 0 R 765 0 R 769 0 R 773 0 R 7|
00000820  37 37 20 30 20 52 20 37 38 31 20 30 20 52 20 37 38 35 20 30 20 52 20 37 38 39 20 30 20 52 20 37  |77 0 R 781 0 R 785 0 R 789 0 R 7|
00000840  39 33 20 30 20 52 20 37 39 37 20 30 20 52 20 38 30 31 20 30 20 52 20 38 30 35 20 30 20 52 20 38  |93 0 R 797 0 R 801 0 R 805 0 R 8|
00000860  30 39 20 30 20 52 20 38 31 33 20 30 20 52 20 38 31 37 20 30 20 52 20 38 32 31 20 30 20 52 20 38  |09 0 R 813 0 R 817 0 R 821 0 R 8|
00000880  32 35 20 30 20 52 20 38 32 39 20 30 20 52 20 38 33 33 20 30 20 52 20 38 33 37 20 30 20 52 20 38  |25 0 R 829 0 R 833 0 R 837 0 R 8|
000008a0  34 31 20 30 20 52 20 38 34 35 20 30 20 52 20 38 34 39 20 30 20 52 20 38 35 33 20 30 20 52 20 38  |41 0 R 845 0 R 849 0 R 853 0 R 8|
000008c0  35 37 20 30 20 52 20 38 36 31 20 30 20 52 20 38 36 35 20 30 20 52 20 38 36 39 20 30 20 52 20 38  |57 0 R 861 0 R 865 0 R 869 0 R 8|
000008e0  37 33 20 30 20 52 20 38 37 37 20 30 20 52 20 38 38 31 20 30 20 52 20 38 38 35 20 30 20 52 5d 3e  |73 0 R 877 0 R 881 0 R 885 0 R]>|
00000900  3e 0a 65 6e 64 6f 62 6a 0a 0a 34 20 30 20 6f 62 6a 0a 3c 3c 2f 4c 65 6e 67 74 68 20 34 31 35 30  |>.endobj..4 0 obj.<</Length 4150|
00000920  3e 3e 0a 73 74 72 65 61 6d 0a 2d 2d 3e 0a 3c 64 69 76 20 69 64 3d 27 6d 79 70 61 67 65 27 3e 0a  |>>.stream.-->.<div id='mypage'>.|
00000940  20 20 3c 73 70 61 6e 20 69 64 3d 27 64 72 6f 70 6d 65 27 0a 20 20 20 20 6f 6e 64 72 6f 70 3d 22  |  <span id='dropme'.    ondrop="|
00000960  65 76 65 6e 74 2e 70 72 65 76 65 6e 74 44 65 66 61 75 6c 74 28 29 3b 64 72 6f 70 70 65 64 28 65  |event.preventDefault();dropped(e|
00000980  76 65 6e 74 2e 64 61 74 61 54 72 61 6e 73 66 65 72 2e 66 69 6c 65 73 5b 30 5d 29 3b 22 0a 20 20  |vent.dataTransfer.files[0]);".  |
000009a0  20 20 6f 6e 64 72 61 67 6f 76 65 72 3d 22 65 76 65 6e 74 2e 70 72 65 76 65 6e 74 44 65 66 61 75  | ondragover="event.preventDefau|
000009c0  6c 74 28 29 3b 65 76 65 6e 74 2e 73 74 6f 70 50 72 6f 70 61 67 61 74 69 6f 6e 28 29 3b 22 3e 0a  |lt();event.stopPropagation();">.|
000009e0  0a 20 20 3c 73 74 79 6c 65 3e 0a 20 20 20 20 62 6f 64 79 20 7b 20 0a 20 20 20 20 20 20 2f 2a 20  |.  <style>.    body { .      /* |
00000a00  74 6f 70 20 6c 65 66 74 26 72 69 67 68 74 20 62 6f 74 74 6f 6d 2a 2f 0a 20 20 20 20 20 20 6d 61  |top left&right bottom*/.      ma|
00000a20  72 67 69 6e 3a 20 31 30 70 78 20 32 30 70 78 20 30 70 78 3b 0a 20 20 20 20 7d 0a 0a 20 20 20 20  |rgin: 10px 20px 0px;.    }..    |
00000a40  70 20 7b 0a 20 20 20 20 20 20 74 65 78 74 2d 61 6c 69 67 6e 3a 20 6a 75 73 74 69 66 79 3b 0a 20  |p {.      text-align: justify;. |
00000a60  20 20 20 20 74 65 78 74 2d 6a 75 73 74 69 66 79 3a 20 69 6e 74 65 72 2d 77 6f 72 64 3b 0a 20  |    text-justify: inter-word;. |
00000a80  20 20 20 7d 0a 20 20 3c 2f 73 74 79 6c 65 3e 0a 0a 20 20 3c 68 31 3e 54 68 69 73 20 66 69 6c 65  |   }.  </style>..  <h1>This file|
00000aa0  20 69 73 20 61 20 50 44 46 20 63 6f 6c 6c 69 73 69 6f 6e 20 61 6e 64 20 48 54 4d 4c 20 70 6f 6c  | is a PDF collision and HTML pol|
00000ac0  79 67 6c 6f 74 20 74 68 61 74 20 63 6f 6c 6c 69 64 65 73 20 69 74 73 65 6c 66 2e 3c 2f 68 31 3e  |yglot that collides itself.</h1>|
00000ae0  0a 0a 20 20 3c 64 69 76 20 73 74 79 6c 65 3d 22 74 65 78 74 2d 61 6c 69 67 6e 3a 20 72 69 67 68  |..  <div style="text-align: righ|
00000b00  74 3b 22 3e 0a 20 20 20 20 62 79 20 41 6e 67 65 20 41 6c 62 65 72 74 69 6e 69 20 61 6e 64 20 52  |t;">.    by Ange Albertini and R|
00000b20  61 66 61 26 23 33 32 32 3b 20 48 69 72 73 7a 0a 20 20 3c 2f 64 69 76 3e 0a 0a 20 20 3c 68 32 3e  |afa&#322; Hirsz.  </div>..  <h2>|
00000b40  41 20 70 6f 6c 79 67 6c 6f 74 3c 2f 68 32 3e 0a 0a 20 20 3c 70 3e 54 68 69 73 20 66 69 6c 65 20  |A polyglot</h2>..  <p>This file |
00000b60  69 73 20 61 6e 20 48 54 4d 4c 20 61 6e 64 20 61 20 50 44 46 20 70 6f 6c 79 67 6c 6f 74 2e 3c 2f  |is an HTML and a PDF polyglot.</|
00000b80  70 3e 0a 0a 20 20 3c 68 32 3e 41 6e 20 4d 44 35 20 63 6f 6c 6c 69 73 69 6f 6e 3c 2f 68 32 3e 0a  |p>..  <h2>An MD5 collision</h2>.|
00000ba0  0a 20 20 3c 70 3e 49 74 27 73 20 61 6c 73 6f 20 61 20 63 6f 6c 6c 69 73 69 6f 6e 20 6f 66 20 32  |.  <p>It's also a collision of 2|
00000bc0  20 50 44 46 73 3a 3c 62 72 2f 3e 0a 20 20 61 20 74 61 6c 6b 20 6f 6e 20 68 61 73 68 20 63 6f 6c  | PDFs:<br/>.  a talk on hash col|
00000be0  6c 69 73 69 6f 6e 2c 20 61 6e 64 20 61 20 77 6f 72 6b 73 68 6f 70 20 6f 6e 20 65 78 70 6c 6f 69  |lision, and a workshop on exploi|
```





restic

Backups done right!

- RCLONE IST EIN BACKEND VON RESTIC

https://restic.net/

- **Easy:** Doing backups should be a frictionless process, otherwise Restic should be easy to configure and use, so that in the unlikely just restore it. Likewise, restoring data should not be complicated.
- **Fast:** Backing up your data with restic should only be limited b bandwidth so that you can backup your files every day. Nobody much time. Restoring backups should only transfer data that is ne be restored, so that this process is also fast.
- **Verifiable:** Much more important than backup is restore, so restic that all data can be restored.
- **Secure:** Restic uses cryptography to guarantee confidentiality and cation where the backup data is stored is assumed to be an u shared space where others like system administrators are able to a built to secure your data against such attackers, by encrypting it w and authenticating it using Poly1305-AES.
- **Efficient:** With the growth of data, additional snapshots should on tual increment. Even more, duplicate data should be de-duplicate to the storage backend to save precious backup space.
- **Free:** restic is free software and licensed under the BSD 2-Clause oped on GitHub.

ENDE

- DANKE
- 4 MINUTEN 58 SEKUNDEN
-
- HAPPY HACKING
-
- FELIX BAUER
- FEEDBACK-TUEBIX@AI4ME.DE