

gvfs-info (und Cygwin)

nestor Praktikertag

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Cygwin - was ist das?

Kurzfassung: Cygwin is a large collection of GNU and Open Source tools which provide functionality similar to a Linux distribution on Windows. Cygwin is not a way to run native Linux apps on Windows. You must rebuild your application from source if you want it to run on Windows.

Maintainer: Cygwin team (Freiwillige), zuvor Red Hat/Cygnus Solutions

Homepage: <http://cygwin.com/>

Lizenz: Open Source, LGPLv3 (Cygwin DLL), viele weitere Einzelpakete mit gemischten Lizenzen, größtenteils GPL

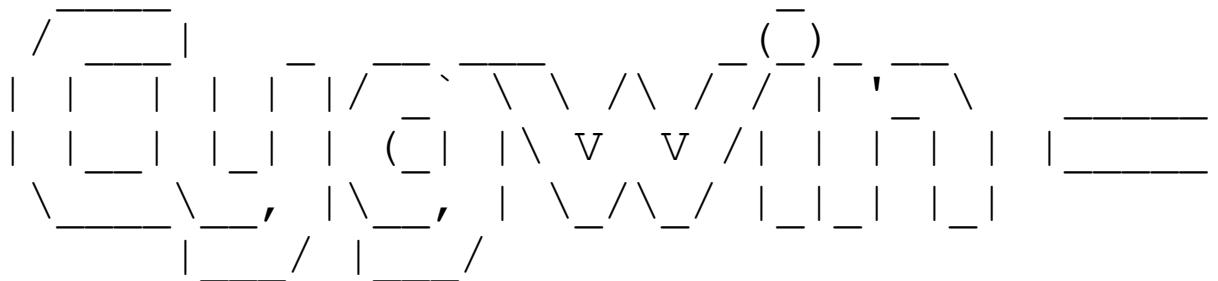
OS: >= Windows Vista 32 and 64 bit (Windows XP and Server 2003 up to Cygwin version 2.5.2)

Bedienung: Größtenteils Kommandozeile

Cygwin - warum?

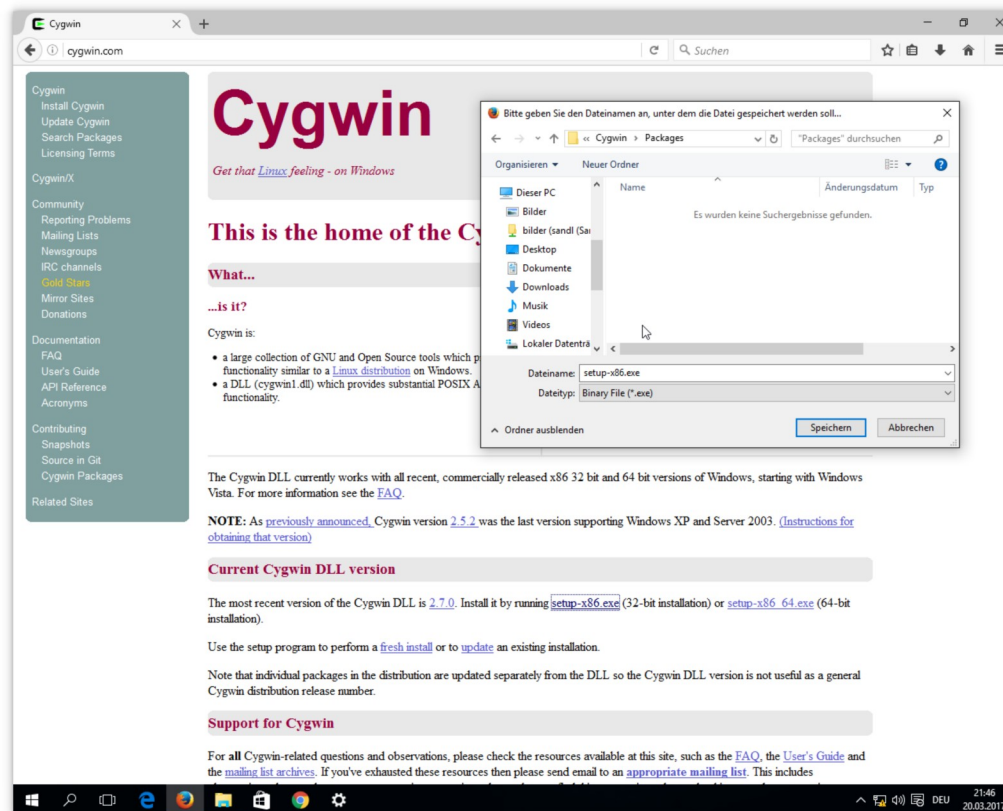
Basis-Tools: bash (Borne Again Shell) und praktisch alle relevanten Tools, die unter Linux/Unix bekannt sind (auch für dLZA), z.B. ImageMagick, arj, cabextract, ddrescue, dos2unix, exif, exiv2, figlet, git, gvfs, jpeg, lynx, md5deep, mediainfo, nano, pngcheck, rcs, recode, rsync, tiff, unzip, vim, ... (9.684 installierbare Pakete)

Extras: X server 1.19, X.Org X11 Release 7.7

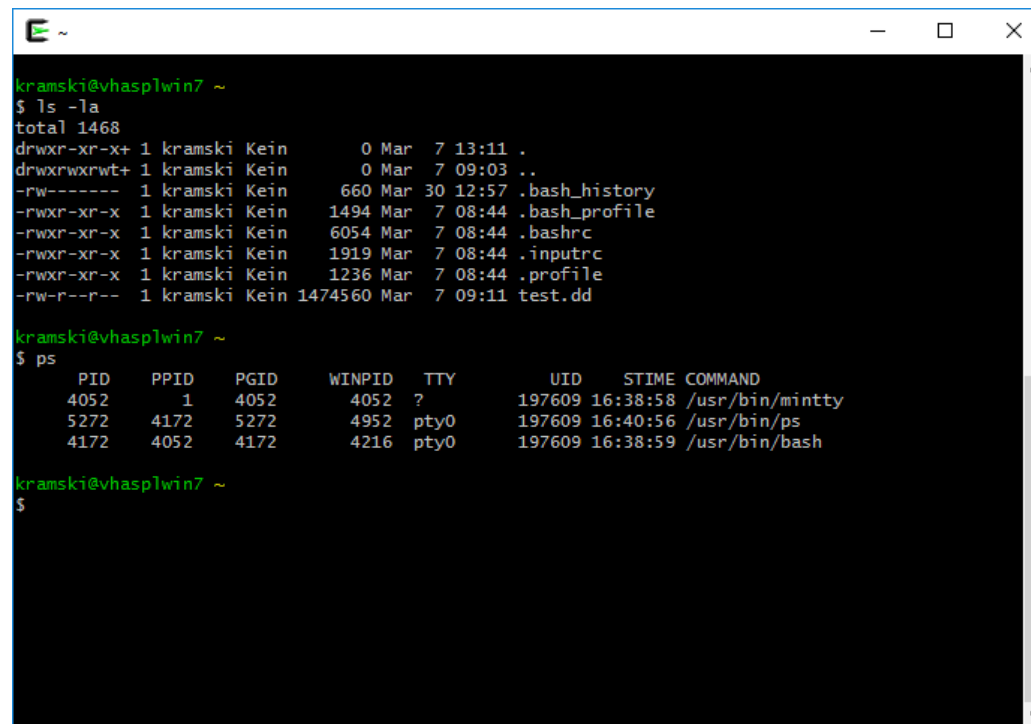


Get that Linux feeling - on Windows! (<https://cygwin.com/>)

Cygwin - Installation



Cygwin - typische Kommandozeile



```
kramski@vhasplwin7 ~  
$ ls -la  
total 1468  
drwxr-xr-x+ 1 kramski Kein    0 Mar  7 13:11 .  
drwxrwxrwt+ 1 kramski Kein    0 Mar  7 09:03 ..  
-rw----- 1 kramski Kein   660 Mar 30 12:57 .bash_history  
-rwxr-xr-x  1 kramski Kein  1494 Mar  7 08:44 .bash_profile  
-rwxr-xr-x  1 kramski Kein  6054 Mar  7 08:44 .bashrc  
-rwxr-xr-x  1 kramski Kein   1919 Mar  7 08:44 .inputrc  
-rwxr-xr-x  1 kramski Kein   1236 Mar  7 08:44 .profile  
-rw-r--r--  1 kramski Kein 1474560 Mar  7 09:11 test.dd  
  
kramski@vhasplwin7 ~  
$ ps  
  PID   PPID   PGID   WINPID  TTY      UID    STIME  COMMAND  
  4052     1   4052    4052   ?        197609 16:38:58 /usr/bin/mintty  
  5272   4172   5272    4952  pty0     197609 16:40:56 /usr/bin/ps  
  4172   4052   4172    4216  pty0     197609 16:38:59 /usr/bin/bash  
  
kramski@vhasplwin7 ~  
$
```

gvfs-info - was ist das?

Kurzfassung: gvfs-info is a command line utility for printing information about files and directories. Information is returned as a list of key-value paired file attributes (see <https://developer.gnome.org/gio/2.32/gio-GFileAttribute.html>). The "standard::content-type" attribute denotes the media type found.

Maintainer: GNOME.org

Homepage: <https://git.gnome.org/browse/gvfs/>

Lizenz: Open Source, GNU Lesser General Public License (LGPL)

OS: Unix-artige Systeme (Linux, Cygwin)

Bedienung: Kommandozeile

gvfs-info - warum und wie?

Fluch und Segen: Eine zweite »Meinung«, was der Media Type eine Datei sein könnte, in Ergänzung zu »file«. Kommt manchmal zu anderen Ergebnissen...

Aufruf:

```
$ gvfs-info [OPTION...] [LOCATION...]
```

Show information about locations.

Help Options:

-h, --help	Show help options
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Application Options:

-w, --query-writable	List writable attributes
-f, --filesystem	Get file system info
-a, --attributes=ATTRIBUTES	The attributes to get
-n, --nofollow-symlinks	Don't follow symbolic links
--version	Show program version

gvfs-info - Beispiele

Vollständige Ausgabe:

```
$ gvfs-info.exe 785406_MSWORD9.doc
display name: 785406_MSWORD9.doc
edit name: 785406_MSWORD9.doc
name: 785406_MSWORD9.doc
type: regular
size: 14848
uri: file:///cygdrive/h/Workshops/FileTestSuite/MSFiles/785406_MSWORD9.doc
attributes:
  standard::type: 1
  standard::name: 785406_MSWORD9.doc
  standard::display-name: 785406_MSWORD9.doc
  standard::edit-name: 785406_MSWORD9.doc
  standard::copy-name: 785406_MSWORD9.doc
  standard::icon: application-microsoft, x-office-document
  standard::content-type: application/msword
  standard::fast-content-type: application/msword
  standard::size: 14848
[...]
```


gvfs-info - Beispiele

Verkürzte Ausgabe:

```
$ gvfs-info --attributes="standard::content-type" 785406_MSWORD9.doc
uri: file:///cygdrive/h/Workshops/FileTestSuite/MSFiles/785406_MSWORD9.doc
attributes:
    standard::content-type: application/msword
```

Tabellarische Ausgabe (tabular separated value):

```
gvfs-info.exe * | egrep "standard::name\\|standard::content-type" | cut -f4 -d" "
| paste - -
```

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