

linux 使用 GDriveFS 挂载无限容量 Google Drive

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原文链接: <https://ld246.com/article/1504782179818>

来源网站: [链滴](#)

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准备：国外vps(10刀/year,1G-20g-kvm-centos7.3)，edu邮箱的google无限容量网盘

```
[root@aa ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda1       19G   999M   17G   6% /
devtmpfs        488M    0   488M    0% /dev
tmpfs           497M    0   497M    0% /dev/shm
tmpfs           497M    0   497M    0% /run
tmpfs           497M    0   497M    0% /sys/fs/cgroup
tmpfs           100M    0   100M    0% /run/user/0
[root@aa ~]# free -m
              total        used        free      shared  buff/cache   available
Mem:           992          52         717          6         223         791
Swap:          1022           0         1022
```

注意事项： GDriveFS是Python 2.7开发的，需要你安装Python2.7以上版本

解决方案：

<http://blog.csdn.net/jcjc918/article/details/11022345>

<https://blog.fazero.me/2016/10/13/centos-update-python>

安装 fuse

64位： `sudo yum install fuse-devel.x86_64 fuse.x86_64`

32位： `sudo yum install fuse-devel.i686 fuse.i686`

```
Total download size: 215 k
Installed size: 633 k
Is this ok [y/d/N]: y
Downloading packages:
(1/3): fuse-devel-2.9.2-7.el7.x86_64.rpm
(2/3): fuse-2.9.2-7.el7.x86_64.rpm
(3/3): fuse-libs-2.9.2-7.el7.x86_64.rpm
-----
Total
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : fuse-libs-2.9.2-7.el7.x86_64
Installing : fuse-devel-2.9.2-7.el7.x86_64
Installing : fuse-2.9.2-7.el7.x86_64
Verifying  : fuse-devel-2.9.2-7.el7.x86_64
Verifying  : fuse-2.9.2-7.el7.x86_64
Verifying  : fuse-libs-2.9.2-7.el7.x86_64

Installed:
  fuse.x86_64 0:2.9.2-7.el7                                fuse-devel.x86_64 0:2.9.2-7.el7

Dependency Installed:
  fuse-libs.x86_64 0:2.9.2-7.el7

Complete!
[root@aa ~]#
```

安装gdrivefs: `pip install gdrivefs`

pip是python的包管理工具请先安装它

出现[pip: command not found]解决方案：

1. 安装 epel源： `yum -y install epel-release`

```

Complete!
[root@aa ~]# yum -y install epel-release
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: repos.lax.quadranet.com
 * extras: repos.lax.quadranet.com
 * updates: repos.lax.quadranet.com
Resolving Dependencies
--> Running transaction check
---> Package epel-release.noarch 0:7-9 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package                                Arch                                Version
=====
Installing:
epel-release                           noarch                             7-9
=====

Transaction Summary
=====
Install 1 Package

Total download size: 14 k
Installed size: 24 k
Downloading packages:
epel-release-7-9.noarch.rpm
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : epel-release-7-9.noarch
  Verifying  : epel-release-7-9.noarch

Installed:
  epel-release.noarch 0:7-9

Complete!
[root@aa ~]# █

```

2. 安装pip: `yum -y install python-pip`

```

=====
Install 1 Package (+3 Dependent packages)

Total download size: 2.1 M
Installed size: 9.1 M
Downloading packages:
(1/4): python-backports-ssl_match_hostname-3.4.0.2-4.el7.noarch.rpm
(2/4): python-backports-1.0-8.el7.x86_64.rpm
(3/4): python-setuptools-0.9.8-4.el7.noarch.rpm
warning: /var/cache/yum/x86_64/7/epel/packages/python2-pip-8.1.2-5.el7.noarch.rpm: Header V3 RSA/SHA256 Signature, key ID 352c64e5
Public key for python2-pip-8.1.2-5.el7.noarch.rpm is not installed
(4/4): python2-pip-8.1.2-5.el7.noarch.rpm
=====
Total
Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL-7
Importing GPG key 0x352C64E5:
  Userid   : "Fedora EPEL (7) <epel@fedoraproject.org>"
  Fingerprint: 91e9 7d7c 4a5e 96f1 7f3e 888f 6a2f aea2 352c 64e5
  Package   : epel-release-7-9.noarch (@extras)
  From      : /etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL-7
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : python-backports-1.0-8.el7.x86_64
  Installing : python-backports-ssl_match_hostname-3.4.0.2-4.el7.noarch
  Installing : python-setuptools-0.9.8-4.el7.noarch
  Installing : python2-pip-8.1.2-5.el7.noarch
  Verifying  : python2-pip-8.1.2-5.el7.noarch
  Verifying  : python-setuptools-0.9.8-4.el7.noarch
  Verifying  : python-backports-1.0-8.el7.x86_64
  Verifying  : python-backports-ssl_match_hostname-3.4.0.2-4.el7.noarch

Installed:
  python2-pip.noarch 0:8.1.2-5.el7

Dependency Installed:
  python-backports.x86_64 0:1.0-8.el7                python-backports-ssl_match_hostname.noarch 0:3.4.0.2-4.el7

Complete!
[root@aa ~]# █

```

3. 清理一下缓存: `yum clean all`

```

[root@aa ~]# yum clean all
Loaded plugins: fastestmirror
Cleaning repos: base epel extras updates
Cleaning up everything
Cleaning up list of fastest mirrors
[root@aa ~]# █

```

出现提示【You should consider upgrading via the 'pip install --upgrade pip' command.】，解决方案、

升级pip: `pip install --upgrade pip`

出现出现错误【error: command 'gcc' failed with exit status 1】，解决方案

```
Using cached six-1.7.3-py2.py3-none-any.whl
Installing collected packages: greenlet, gevent, gipc, httpplib2, google-api-python-client, six, python-dateutil, gdrivefs
Running setup.py install for greenlet ... error
Complete output from command /usr/bin/python2 -u -c "import setuptools, tokenize;__file__='/tmp/pip-build-eMjRwT/greenlet/setup.py';f=getattr(tokenize, 'open', open).open(__file__);code = compile(source, __file__, 'exec')"
```

error: command 'gcc' failed with exit status 1

```
Command "/usr/bin/python2 -u -c "import setuptools, tokenize;__file__='/tmp/pip-build-eMjRwT/greenlet/setup.py';f=getattr(tokenize, 'open', open).open(__file__);code = compile(source, __file__, 'exec')"
```

安装各种组件:

`yum -y install gcc gcc-c++ kernel-devel`

`yum -y install python-devel libxslt-devel libffi-devel openssl-devel`

安装完成

```
Complete!
[root@aa ~]# pip install gdrivefs
Collecting gdrivefs
  Using cached gdrivefs-0.14.8.tar.gz
Requirement already satisfied: fusepy==2.0.2 in /usr/lib/python2.7/site-packages (from gdrivefs)
Collecting gevent==1.0 (from gdrivefs)
  Using cached gevent-1.0.tar.gz
Collecting gipc==0.4.0 (from gdrivefs)
  Using cached gipc-0.4.0.zip
Collecting google-api-python-client==1.2 (from gdrivefs)
  Using cached google-api-python-client-1.2.zip
Collecting greenlet==0.4.2 (from gdrivefs)
  Using cached greenlet-0.4.2.zip
Collecting httpplib2==0.8 (from gdrivefs)
  Using cached httpplib2-0.8.zip
Collecting python-dateutil==2.2 (from gdrivefs)
  Using cached python-dateutil-2.2.tar.gz
Collecting six==1.7.3 (from gdrivefs)
  Using cached six-1.7.3-py2.py3-none-any.whl
Installing collected packages: greenlet, gevent, gipc, httpplib2, google-api-python-client, six, python-dateutil, gdrivefs
Running setup.py install for greenlet ... done
Running setup.py install for gevent ... done
Running setup.py install for gipc ... done
Running setup.py install for httpplib2 ... done
Running setup.py install for google-api-python-client ... done
Running setup.py install for python-dateutil ... done
Running setup.py install for gdrivefs ... done
Successfully installed gdrivefs-0.14.8 gevent-1.0 gipc-0.4.0 google-api-python-client-1.2 greenlet-0.4.2 httpplib2-0.8 python-dateutil-2.2 six-1.7.3
[root@aa ~]#
```

运行得到认证接口

shell:gdfstool auth -u

```
complete:
[root@aa ~]# pip install gdrivefs
Collecting gdrivefs
  Using cached gdrivefs-0.14.8.tar.gz
Requirement already satisfied: fusepy==2.0.2 in /usr/lib/python2.7/site-packages (from gdrivefs)
Collecting gevent==1.0 (from gdrivefs)
  Using cached gevent-1.0.tar.gz
Collecting gipc==0.4.0 (from gdrivefs)
  Using cached gipc-0.4.0.zip
Collecting google-api-python-client==1.2 (from gdrivefs)
  Using cached google-api-python-client-1.2.zip
Collecting greenlet==0.4.2 (from gdrivefs)
  Using cached greenlet-0.4.2.zip
Collecting httplib2==0.8 (from gdrivefs)
  Using cached httplib2-0.8.zip
Collecting python-dateutil==2.2 (from gdrivefs)
  Using cached python-dateutil-2.2.tar.gz
Collecting six==1.7.3 (from gdrivefs)
  Using cached six-1.7.3-py2.py3-none-any.whl
Installing collected packages: greenlet, gevent, gipc, httplib2, google-api-python-client, six, python-dateutil, gdrivefs
  Running setup.py install for greenlet ... done
  Running setup.py install for gevent ... done
  Running setup.py install for gipc ... done
  Running setup.py install for httplib2 ... done
  Running setup.py install for google-api-python-client ... done
  Running setup.py install for python-dateutil ... done
  Running setup.py install for gdrivefs ... done
Successfully installed gdrivefs-0.14.8 gevent-1.0 gipc-0.4.0 google-api-python-client-1.2 greenlet-0.4.2 httplib2-0.8 python-dateutil-2.2 six-1.7.3
[root@aa ~]# gdfstool auth -u
To authorize fuse to use your Google Drive account, visit the following URL to produce an authorization code:

https://accounts.google.com/o/oauth2/approval/v2/approvalnativeapp?auto=false&response=code%3D4%2FGgppb...com%2Fauth%2Fdrive
ient_id=1056816309698.apps.googleusercontent.com&access_type=offline

[root@aa ~]#
```

拷贝你终端出现网址到浏览器，会出现授权页面

google邮箱登录授权后,得到授权码:



linux认证

shell:gdfstool auth -a /var/cache/gdfs.creds "你的授权码"


```
[root@aa ~]# pip install gdrivefs
collecting gdrivefs
  Using cached gdrivefs-0.14.8.tar.gz
Requirement already satisfied: fusepy==2.0.2 in /usr/lib/python2.7/site-packages (from gdrivefs)
collecting gevent==1.0 (from gdrivefs)
  Using cached gevent-1.0.tar.gz
collecting gipc==0.4.0 (from gdrivefs)
  Using cached gipc-0.4.0.zip
collecting google-api-python-client==1.2 (from gdrivefs)
  Using cached google-api-python-client-1.2.zip
collecting greenlet==0.4.2 (from gdrivefs)
  Using cached greenlet-0.4.2.zip
collecting httplib2==0.8 (from gdrivefs)
  Using cached httplib2-0.8.zip
collecting python-dateutil==2.2 (from gdrivefs)
  Using cached python-dateutil-2.2.tar.gz
collecting six==1.7.3 (from gdrivefs)
  Using cached six-1.7.3-py2.py3-none-any.whl
Installing collected packages: greenlet, gevent, gipc, httplib2, google-api-python-client, six, python-dateutil, gdrivefs
Running setup.py install for greenlet ... done
Running setup.py install for gevent ... done
Running setup.py install for gipc ... done
Running setup.py install for httplib2 ... done
Running setup.py install for google-api-python-client ... done
Running setup.py install for python-dateutil ... done
Running setup.py install for gdrivefs ... done
Successfully installed gdrivefs-0.14.8 gevent-1.0 gipc-0.4.0 google-api-python-client-1.2 greenlet-0.4.2 httplib2-0.8 python-dateutil-2.2 six-1.7.3
[root@aa ~]# gdfstool auth -u
To authorize FUSE to use your Google Drive account, visit the following URL to produce an authorization code:

https://accounts.google.com/o/oauth2/auth?scope=https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fdrive+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fdrive.
ient_id=1056816309698.apps.googleusercontent.com&access_type=offline

[root@aa ~]# gdfstool auth -a /var/cache/gdfs.creds "4/GgppbGfYZHwQDRPOvwCrZyUM3_yIPr_qjyJb4us3rmg"
```

认证Ok,出现【Authorization code recorded.】

```
[root@aa ~]# gdfstool auth -a /var/cache/gdfs.creds "4/GgppbGfYZHwQDRPOvwCrZyUM3_yIPr_qjyJb4us3rmg"
Authorization code recorded.
[root@aa ~]#
```

挂载网盘

新建目录: `mkdir /mnt/gdrivefs`

网盘挂载到目录: `gdfstool mount /var/cache/gdfs.creds /mnt/gdrivefs`

```
[root@aa ~]# gdfstool auth -a /var/cache/gdfs.creds "4/GgppbGfYZHwQDRPOvwCrZyUM3_yIPr_qjyJb4us3rmg"
Authorization code recorded.
[root@aa ~]# mkdir /mnt/gdrivefs
[root@aa ~]# gdfstool mount /var/cache/gdfs.creds /mnt/gdrivefs
[root@aa ~]# df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/sda1	19G	1.5G	17G	9%	/
devtmpfs	488M	0	488M	0%	/dev
tmpfs	497M	0	497M	0%	/dev/shm
tmpfs	497M	6.6M	490M	2%	/run
tmpfs	497M	0	497M	0%	/sys/fs/cgroup
tmpfs	100M	0	100M	0%	/run/user/0
gdfs(/var/cache/gdfs.creds)	11T	13G	10T	1%	/mnt/gdrivefs

```
[root@aa ~]#
```

然后就可以把网盘当磁盘用了

```

[root@aa ~]# mkdir /mnt/gdrivefs
[root@aa ~]# gdfstool mount /var/cache/gdfs.creds /mnt/gdrivefs
[root@aa ~]# df -h
Filesystem                Size      Used Avail Use% Mounted on
/dev/sda1                  19G       1.5G   17G    9% /
devtmpfs                   488M          0   488M    0% /dev
tmpfs                      497M          0   497M    0% /dev/shm
tmpfs                      497M       6.6M   490M    2% /run
tmpfs                      497M          0   497M    0% /sys/fs/cgroup
tmpfs                     100M          0   100M    0% /run/user/0
gdfs(/var/cache/gdfs.creds) 11T       13G    10T    1% /mnt/gdrivefs
[root@aa ~]# cd /mnt/gdrivefs/
[root@aa gdrivefs]# ls
movie  rm.gif  ssl  TIM图片20170706112014.gif
[root@aa gdrivefs]# mkdir hacpai
[root@aa gdrivefs]# ls
hacpai  movie  rm.gif  ssl  TIM图片20170706112014.gif
[root@aa gdrivefs]# ll
total 3395
drwxrwxrwx 2 root root  4096 Sep  7 07:21 hacpai
drwxrwxrwx 2 root root  4096 Jul 18 05:25 movie
-rw-rw-rw- 1 root root 670647 Jul 13 04:47 rm.gif
drwxrwxrwx 2 root root  4096 Jul 20 02:29 ssl
-rw-rw-rw- 1 root root 2792909 Jul 13 05:15 TIM图片20170706112014.gif
[root@aa gdrivefs]#

```

log

fuse: device not found, try 'modprobe fuse' first

Traceback (most recent call last):

File "/usr/local/bin/gdfstool", line 125, in

main()

File "/usr/local/bin/gdfstool", line 120, in main

_handle_mountpoint(args)

File "/usr/local/bin/gdfstool", line 72, in _handle_mountpoint

option_string=option_string)

File "/usr/local/lib/python2.7/dist-packages/gdrivefs/gdfs/gdfuse.py", line 872, in mount

**fuse_opts)

File "/usr/local/lib/python2.7/dist-packages/fuse.py", line 399, in **init**

raise RuntimeError(err)

RuntimeError: 1

基本是内核和fuse版本冲突,升级内核即可, openvz不支持改内核

log

httplib2.SSLHandshakeError: \[SSL: CERTIFICATE_VERIFY_FAILED\] certificate verify failed (_ssl.c:579)``

`请pip升级httplib2`

=====end=====