

## 文档 4: CentOS 二进制安装 gluster

### 在 CentOS6.5(64 位)环境下通过二进制安装 gluster

因为下面这些 rpm 包相互有依赖性，所以要按照从 1 到 9 的先后顺序安装，特殊情况下顺序可能不太一样。可通过 rpm -ivh 命令安装：

- 1、glusterfs-libs-3.7.11-2.el6.x86\_64.rpm
- 2、glusterfs-3.7.11-2.el6.x86\_64.rpm
- 3、glusterfs-client-xlators-3.7.11-2.el6.x86\_64.rpm
- 4、glusterfs-cli-3.7.11-2.el6.x86\_64.rpm
- 5、glusterfs-api-3.7.11-2.el6.x86\_64.rpm
- 6、glusterfs-fuse-3.7.11-2.el6.x86\_64.rpm
- 7、pyxattr-0.5.0-1.el6.x86\_64.rpm
- 8、userspace-rcu-0.7.7-1..el6.x86\_64.rpm
- 9、glusterfs-server-3.7.11-2.el6.x86\_64.rpm

### 在 CentOS6.8(64 位)环境下通过二进制安装 gluster

通过 rpm -ivh 命令安装：

- 1、glusterfs-libs-3.7.11-2.el6.x86\_64.rpm
- 2、glusterfs-3.7.11-2.el6.x86\_64.rpm
- 3、glusterfs-client-xlators-3.7.11-2.el6.x86\_64.rpm
- 4、glusterfs-cli-3.7.11-2.el6.x86\_64.rpm
- 5、glusterfs-api-3.7.11-2.el6.x86\_64.rpm
- 6、glusterfs-fuse-3.7.11-2.el6.x86\_64.rpm
- 7、pyxattr-0.5.0-1.el6.x86\_64.rpm
- 8、userspace-rcu-0.7.7-1..el6.x86\_64.rpm
- 9、glusterfs-server-3.7.11-2.el6.x86\_64.rpm

CentOS6 操作系统版本通过在安装完以上安装包后通过 service glusterd start 进行 glusterd 服务开启。

## 在 CentOS7.2(64 位)环境下通过二进制安装 gluster

通过 rpm -ivh 命令安装，这些 rpm 包安装顺序依次为：

- 1、glusterfs-libs-3.7.11-2.el7.x86\_64.rpm
- 2、glusterfs-3.7.11-2.el7.x86\_64.rpm
- 3、glusterfs-client-xlators-3.7.11-2.el7.x86\_64.rpm
- 4、glusterfs-cli-3.7.11-2.el7.x86\_64.rpm
- 5、glusterfs-api-3.7.11-2.el7.x86\_64.rpm
- 6、glusterfs-fuse-3.7.11-2.el7.x86\_64.rpm
- 7、pyxattr-0.5.1-5.el7.x86\_64.rpm
- 8、userspace-rcu-0.7.16-1.el7.x86\_64.rpm
- 9、psmisc-22.20-11.el7.x86\_64.rpm
- 10、glusterfs-server-3.7.11-2.el7.x86\_64.rpm

安装完以上安装包后用命令 systemctl start glusterd.service 进行开启 glusterd 服务测试，开启成功后再用命令 systemctl status glusterd.service 进行 glusterd 服务状态查看，显示 Active: active (running) 则表明服务开启成功。

```
rpm
warning: glusterfs-server-3.7.11-1.el7.x86_64.rpm: Header V4 RSA/SHA256 Signature, key ID d5dc52dc: NOKEY
Preparing...
Updating / installing...
 1:glusterfs-server-3.7.11-1.el7
[root@pc1 glusterfs-rpm-7.2-64]# service glusterd start
Redirecting to /bin/systemctl start glusterd.service
[root@pc1 glusterfs-rpm-7.2-64]# systemctl start glusterd.service
[root@pc1 glusterfs-rpm-7.2-64]# systemctl restart glusterd.service
[root@pc1 glusterfs-rpm-7.2-64]# systemctl status glusterd.service
● glusterd.service - GlusterFS, a clustered file-system server
   Loaded: loaded (/usr/lib/systemd/system/glusterd.service; disabled; vendor preset: disabled)
   Active: active (running) since Wed 2017-02-15 15:30:43 CST; 5s ago
     Process: 13407 ExecStart=/usr/sbin/glusterd -p /var/run/glusterd.pid --log-level $LOG_LEVEL $GLUSTERD_OPTIONS (code=exited, status=0/SUCCESS)
    Main PID: 13408 (glusterd)
      CGroup: /system.slice/glusterd.service
              └─13408 /usr/sbin/glusterd -p /var/run/glusterd.pid --log-level IN...

Feb 15 15:30:43 pc1 systemd[1]: Starting GlusterFS, a clustered file-system....
Feb 15 15:30:43 pc1 systemd[1]: Started GlusterFS, a clustered file-system ...r.
Hint: Some lines were ellipsized, use -l to show in full.
[root@pc1 glusterfs-rpm-7.2-64]#
```

## 安装 **tstor-glusterfs** 软件包顺序如下:

注: 安装前要先卸载服务器上自带的通用 glusterfs 软件包。

```
rpm -ivh lib* --force
rpm -ivh python* --force
rpm -ivh ruby* --force
rpm -ivh corosync* --force
psmisc-22.20-11.el7.x86_64.rpm
resource-agents-3.9.5-82.el7.x86_64.rpm
perl-TimeDate-2.30-2.el7.noarch.rpm
rpm -ivh pacemaker* --force

dbench-4.0-10.el7.x86_64.rpm
pcs-0.9.152-10.el7.centos.x86_64.rpm
sqlite-devel-3.7.17-8.el7.x86_64.rpm
userspace-rcu-0.7.16-1.el7.x86_64.rpm

glusterfs-lalpha-0.0.el7.centos.src.rpm
glusterfs-libs-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-cli-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-client-xlators-lalpha-0.0.el7.centos.x86_64.rpm
python-gluster-lalpha-0.0.el7.centos.noarch.rpm
glusterfs-extra-xlators-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-debuginfo-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-api-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-fuse-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-rdma-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-server-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-geo-replication-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-devel-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-regression-tests-lalpha-0.0.el7.centos.x86_64.rpm
glusterfs-resource-agents-lalpha-0.0.el7.centos.noarch.rpm
nfs-ganesha-2.3.3-1.el7.x86_64.rpm
nfs-ganesha-gluster-2.3.3-1.el7.x86_64
glusterfs-ganesha-lalpha-0.0.el7.centos.x86_64.rpm
```

安装完成后启动 glusterd:  
systemctl restart glusterd