**[git操作提示 Auto packing the repository for optimum performance. You may also run "git gc" manually. See](http://blog.csdn.net/ronnyjiang/article/details/54893190)**

2017-02-06 15:24 1421人阅读 [评论](http://blog.csdn.net/ronnyjiang/article/details/54893190#comments)(0) [收藏](javascript:void(0);) [举报](http://blog.csdn.net/ronnyjiang/article/details/54893190#report)

http://static.blog.csdn.net/images/category_icon.jpg分类：

BuildRelease*（6）* http://static.blog.csdn.net/images/arrow_triangle%20_down.jpgGit/GitHub*（6）* http://static.blog.csdn.net/images/arrow_triangle%20_down.jpg

版权声明：本文为博主原创文章，未经博主允许不得转载。

在对git库执行一些操作命令时（比如git am ,git pull，git push等操作）的时候，会出现类似如下提示（我是在用git am打patch时出现的，其他情况也是一回事）：

ronny@ronny:~/tmpgitrepol$ git am ~/03patch/kernel/0001-add-kernel-version.patch --keep-cr  
Applying: add kernel version for compile  
Auto packing the repository for optimum performance. You may also  
run "git gc" manually. See "git help gc" for more information.  
Counting objects: 84286, done.

而且git am　后不退出，必须要ctrl+c退出。（其实是git 在将松散对象打包，这个需要时间，没有执行完打包，所以没退出）

里面主要关心如下两句：

Auto packing the repository for optimum performance. You may also

run "git gc" manually. See "git help gc" for more information.

即表示：

自动包装最佳性能的存储库。

你也可以手动运行 ‘get gc’ 。查看更多信息请执行“git help gc”。

当有这个提示的时候，直接运行 ’ git gc ‘，就可以了。

**原因：**

Git 往磁盘保存对象时默认使用的格式叫松散对象 (loose object) 格式。Git 时不时地将这些对象打包至一个叫 packfile 的二进制文件以节省空间并提高效率。当仓库中有太多的松散对象则就会提示你运行 ’ git gc ‘。

我们可以运行 ’ find .git/objects -type f ’ 命令，查看一下 objects 目录里有多少对象，如下：

**[plain]** [view plain](http://blog.csdn.net/ronnyjiang/article/details/54893190) [copy](http://blog.csdn.net/ronnyjiang/article/details/54893190)

1. ronny@ronny:~/tmpgitrepol$ find .git/objects -type f
2. .git/objects/e4/00a9bf597d6956e6cfc5a4ba57e0f8d78a3025
3. .git/objects/70/8d7c923cb5954bfe1944e7cf7d7de93298f42f
4. .git/objects/70/86ddbb3226ad236d3d806cd530006e07392048
5. .git/objects/bd/b9f69f1b169e6f364455636ef3fb9037f345c5
6. .git/objects/c4/49782586498f0669271dbb5b2ae92abae7b7cd
7. .git/objects/4a/4c07ddbe727381f1ee9aab6faa194827419f1b
8. .git/objects/17/df87cafd85c400b71c7e56ffc2eaa78d2a55d8
9. .git/objects/ad/f130fd58cd2a0831a47f17e7f14d7ed4d86f9c
10. .git/objects/97/9c677acf5eb4e45ebe299e8c4b947d899b01af
11. .git/objects/79/56a405a7bc6e412685a967b3e798445c31bb36
12. .git/objects/79/12f0ebebb70a675e6ffa57703ddb78bf99d221
13. .git/objects/4b/ee144e033edd74677a14c311b1eb32b6ef8d6d
14. .git/objects/4b/1c9b2ce657a6677143b3c08b05379c6b62af05
15. .git/objects/info/packs
16. .git/objects/da/3de9a5f2e2d43a9bd53f74368f7e3623d1c1f6
17. .git/objects/47/b15e4bb0313b9255252c6815bbeb6cf56f9f2c
18. .git/objects/72/3be48015613503f9c315781b6c7bc60de76c0b
19. ..........................
20. .git/objects/d6/6bc0f7bd27bf0fc0383792871854c497a01e3d
21. .git/objects/d6/9a6b3dcb61590a63ca464d69b3613be857936b
22. .git/objects/pack/pack-862a0b39f354a7fde317459d6dcb8162c865d172.pack
23. .git/objects/pack/pack-862a0b39f354a7fde317459d6dcb8162c865d172.idx
24. .git/objects/7f/d654bfdd3255e07154ff3ef8388e295d79e3b0
25. .git/objects/32/cef5fe936a99b2875942dbbefb93242df454fd
26. .git/objects/c3/0e9e1875925d71757ffda53b103f99c56d5bda
27. .git/objects/3f/87d962119364899e0ad111d869f4fb289bad3b
28. .git/objects/9c/d6bd685d29237f2b82425019dcc549781932a2
29. .git/objects/95/557cadc1df7bcc8657a842fbf35fb0566d84e9
30. .git/objects/ee/abfadeea2c0c6467e279d0c8907141e0a27d1c
32. ..........................
34. .git/objects/d7/f7edb7d654eccd6b7acd0d2e501793bf14e42f
35. .git/objects/bc/b69da6f5b1294e32deb97046a80dac8b473ddd
36. .git/objects/73/51b70ef6db6adc61da2c766eb13397b6506152
37. .git/objects/e2/4d68e5288cfbc200b863c16178f0c32ef5d672
38. .git/objects/cb/588c96be139adaaaafed4225b16452fc3b69b3
39. .git/objects/0b/babb1c4e28109bb3cf8e5b9ece5aaeec90d417
40. .git/objects/28/043911626d5f683938f47477e8680b7d654710
41. .git/objects/a6/5151506d5821f160bf03e19ec362ba1929a79a
42. .git/objects/b3/8f35933655073128e9b2a5ebdd6c72d8090811
43. .git/objects/98/1b94a3bf5ab22f868452d7a1eb5128278ae3d7

然后我们执行git gc试试

**[plain]** [view plain](http://blog.csdn.net/ronnyjiang/article/details/54893190) [copy](http://blog.csdn.net/ronnyjiang/article/details/54893190)

1. git gc
2. Counting objects: 84389, done.
3. Delta compression using up to 8 threads.
4. Compressing objects: 100% (52015/52015), done.
5. Writing objects: 100% (84389/84389), done.
6. Total 84389 (delta 31577), reused 84317 (delta 31531)

然后在运行 ’ git gc ’ 命令后，再执行刚才的命令，看下 object 目录里面还剩下多少对象，如下：

**[plain]** [view plain](http://blog.csdn.net/ronnyjiang/article/details/54893190) [copy](http://blog.csdn.net/ronnyjiang/article/details/54893190)

1. ronny@ronny:~/tmpgitrepol$ find .git/objects -type f
3. .git/objects/info/packs
4. .git/objects/pack/pack-ad6385919cc8c0e4ba2ec4cf7c8e8119a337f625.idx
5. .git/objects/pack/pack-ad6385919cc8c0e4ba2ec4cf7c8e8119a337f625.pack

接下来再执行git 命令的时候就没有这种情况了，patch直接应用，且不再有上面的提示。