

Linux 基础入门之实验六文件打包与解压缩

本次实验主要了解 Linux 常用的压缩/解压工具, 学习 zip、tar 命令的使用, 涉及的知识点包括 zip 命令、tar 命令、压缩与解压常用组合。

1.zip 压缩打包程序

(1) zip 命令打包文件夹

```
Terminal 终端 - shiyanlou@162da523f503: ~
文件(E) 编辑(E) 视图(V) 终端(T) 标签(A) 帮助(H)
shiyanlou:~/ $ cd /home/shiyanlou [0:32:09]
shiyanlou:~/ $ zip -r -q -o shiyanlou.zip /home/shiyanlou/Desktop [0:32:21]
shiyanlou:~/ $ du -h shiyanlou.zip [0:33:34]
8.0K shiyanlou.zip
shiyanlou:~/ $ file shiyanlou.zip [0:34:13]
shiyanlou.zip: Zip archive data, at least v1.0 to extract
shiyanlou:~/ $ [0:34:23]
```

(2) du 命令的使用

```
shiyanlou:~/ $ du -h -d 0 *.zip ~ | sort [0:37:35]
8.0K shiyanlou.zip
92M /home/shiyanlou
shiyanlou:~/ $ [0:38:07]
```

(3) 创建加密 zip 包

```
shiyanlou:~/ $ zip -r -e -o shiyanlou1.zip /home/shiyanlou/Desktop [0:38:07]
Enter password:
Verify password:
adding: home/shiyanlou/Desktop/ (stored 0%)
adding: home/shiyanlou/Desktop/gedit.desktop (deflated 49%)
adding: home/shiyanlou/Desktop/fcix.desktop (deflated 50%)
adding: home/shiyanlou/Desktop/xfce4-terminal.desktop (deflated 72%)
adding: home/shiyanlou/Desktop/netsurf-gtk.desktop (deflated 60%)
adding: home/shiyanlou/Desktop/gvim.desktop (deflated 47%)
adding: home/shiyanlou/Desktop/sublime_text.desktop (deflated 46%)
shiyanlou:~/ $ du -h -d 0 *.zip ~ | sort [0:40:29]
8.0K shiyanlou1.zip
8.0K shiyanlou.zip
92M /home/shiyanlou
shiyanlou:~/ $ [0:41:12]
```

2.unzip 命令解压缩 zip 文件

```
Terminal 终端 - shiyanlou@162da523f503: ~
文件(E) 编辑(E) 视图(V) 终端(T) 标签(A) 帮助(H)

shiyanlou:~/ $ unzip shiyanlou.zip [0:44:36]
Archive: shiyanlou.zip
  creating: home/shiyanlou/Desktop/
  inflating: home/shiyanlou/Desktop/gedit.desktop
  inflating: home/shiyanlou/Desktop/fcix.desktop
  inflating: home/shiyanlou/Desktop/xfce4-terminal.desktop
  inflating: home/shiyanlou/Desktop/netsurf-gtk.desktop
  inflating: home/shiyanlou/Desktop/gvim.desktop
  inflating: home/shiyanlou/Desktop/sublime_text.desktop
shiyanlou:~/ $ zip -r -q -o shiyanlou2.zip /home/shiyanlou/Desktop [0:44:49]
shiyanlou:~/ $ unzip -l shiyanlou.zip [0:46:05]
Archive: shiyanlou.zip
  Length      Date    Time    Name
  -----
      0  2018-06-09  21:19    home/shiyanlou/Desktop/
     751  2018-06-09  21:19    home/shiyanlou/Desktop/gedit.desktop
     636  2018-06-09  21:19    home/shiyanlou/Desktop/fcix.desktop
    5341  2019-05-29  00:20    home/shiyanlou/Desktop/xfce4-terminal.desktop
    2225  2018-06-09  21:19    home/shiyanlou/Desktop/netsurf-gtk.desktop
    3601  2018-06-09  21:19    home/shiyanlou/Desktop/gvim.desktop
     532  2018-06-09  21:19    home/shiyanlou/Desktop/sublime_text.desktop
  -----
   13086                  7 files
shiyanlou:~/ $ unzip -q shiyanlou2.zip -d ziptest [0:47:20]
shiyanlou:~/ $ du -h -d 0 *.zip ~ | sort [0:47:57]
8.0K  shiyanlou1.zip
8.0K  shiyanlou2.zip
8.0K  shiyanlou.zip
92M   /home/shiyanlou
shiyanlou:~/ $ [0:48:32]
```

3.tar 打包工具

```
shiyanlou:~/ $ tar -cf shiyanlou.tar /home/shiyanlou/Desktop [1:01:22]
tar: 从成员名中删除开头的 "/"
shiyanlou:~/ $ mkdir tardir [1:01:41]
shiyanlou:~/ $ tar -xf shiyanlou.tar -C tardir [1:01:48]
shiyanlou:~/ $ tar -tf shiyanlou.tar [1:02:27]
home/shiyanlou/Desktop/
home/shiyanlou/Desktop/gedit.desktop
home/shiyanlou/Desktop/fcix.desktop
home/shiyanlou/Desktop/xfce4-terminal.desktop
home/shiyanlou/Desktop/netsurf-gtk.desktop
home/shiyanlou/Desktop/gvim.desktop
home/shiyanlou/Desktop/sublime_text.desktop
shiyanlou:~/ $ [1:02:40]
```

3.常用指令总结

zip:

打包 : zip something.zip something (目录请加 -r 参数)

解包: unzip something.zip

指定路径: -d 参数

tar:

打包: tar -cf something.tar something

解包: tar -xf something.tar

指定路径: -C 参数

4.作业

