

宝塔自动备份排除文件

2020年2月25日 18:24

环境

系统: Ubuntu 19.10(Py2.7.17)

免费版 7.1.1

Google Chrome 已是最新版本
版本 80.0.3987.122 (正式版本) (64 位)

```
xu_zh@VirtualUbuntu:/www/backup/site$ tar --version
tar (GNU tar) 1.30
Copyright (C) 2017 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <https://gnu.org/licenses/gpl.html>.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
由 John Gilmore 和 Jay Fenlason 所写。
```

虚拟机下目录结构如图所示 (下图截图比较早, nextcloud/xu_zh实际已改为nextcloud/data)

```
xu_zh@VirtualUbuntu:/www/wwwroot/192.168.0.140$ tree
.
├── 404.html
├── aria2
│   ├── download
│   │   └── test
│   └── test
├── cuteone
│   └── test
├── index.html
├── nextcloud
│   ├── test
│   └── xu_zh
│       └── test
└── 6 directories, 7 files
```

目标排除以下目录:

nextcloud/data
aria2/download

尝试备份:

尝试1:

任务类型: 备份网站

任务名称: 备份网站[192.168.0.140]

执行周期: 每周 星期一 1 时 30 分

备份网站: 192.168.0.140 备份到: 服务器磁盘 保留策略: 3 份

排除规则: aria2/download
nextcloud/data

保存策略

```
xu_zh@VirtualUbuntu:/www/backup/site/192.168.0.140$ tree
.
├── 404.html
├── aria2
│   ├── download
│   │   └── test
│   └── test
├── cuteone
│   └── test
├── index.html
├── nextcloud
│   ├── data
│   │   ├── test
│   │   └── test
│   └── test
└── 6 directories, 7 files
```

失败

尝试2:

排除规则: ./aria2/download
./nextcloud/data

```
xu_zh@VirtualUbuntu:/www/backup/site/192.168.0.140$ tree
.
├── 404.html
```

```
xu_zh@VirtualUbuntu: /www/backup/site/192.168.0.140$ tree
.
├── 404.html
├── aria2
│   ├── download
│   │   └── test
│   └── test
├── cuteone
│   └── test
├── index.html
├── nextcloud
│   ├── data
│   │   └── test
│   └── test
│       └── test
```

失败

尝试3:

```
aria2/download/*
nextcloud/data/*
```

```
xu_zh@VirtualUbuntu: /www/backup/site/192.168.0.140$ tree
.
├── 404.html
├── aria2
│   ├── download
│   │   └── test
│   └── test
├── cuteone
│   └── test
├── index.html
├── nextcloud
│   ├── data
│   │   └── test
│   └── test
│       └── test
```

失败

尝试4:

```
排除规则  test
```

```
xu_zh@VirtualUbuntu: /www/backup/site/192.168.0.140$ tree
.
├── 404.html
├── aria2
│   ├── download
│   │   ├── test
│   │   └── test
│   └── test
├── cuteone
│   └── test
├── index.html
├── nextcloud
│   ├── data
│   │   └── test
│   └── test
│       └── test
```

失败

尝试手动运行tar:

```
xu_zh@VirtualUbuntu: /www/wwwroot$ sudo tar zcvf /www/backup/site/backup.tar.gz
--exclude="nextcloud/data" --exclude="aria2/download" 192.168.0.140/
192.168.0.140/
192.168.0.140/nextcloud/
192.168.0.140/nextcloud/test/
192.168.0.140/nextcloud/test/test
192.168.0.140/index.html
192.168.0.140/.user.ini
192.168.0.140/aria2/
192.168.0.140/aria2/test
192.168.0.140/.htaccess
192.168.0.140/cuteone/
192.168.0.140/cuteone/test
192.168.0.140/404.html
```

成功

按照网上几篇文章的错误将--exclude参数放到最后:

参考文章: <https://unix.stackexchange.com/questions/32845/tar-exclude-doesnt-exclude-why>

```
xu_zh@VirtualUbuntu: /www/wwwroot$ sudo tar zcvf /www/backup/site/backup.tar.gz
192.168.0.140/ --exclude="nextcloud/data" --exclude="aria2/download"
192.168.0.140/
192.168.0.140/nextcloud/
192.168.0.140/nextcloud/data/
192.168.0.140/nextcloud/data/test
192.168.0.140/nextcloud/test/
192.168.0.140/nextcloud/test/test
192.168.0.140/index.html
192.168.0.140/.user.ini
192.168.0.140/aria2/
192.168.0.140/aria2/test
192.168.0.140/aria2/download/
192.168.0.140/aria2/download/test
```

```

192.168.0.140/.user.ini
192.168.0.140/aria2/
192.168.0.140/aria2/test
192.168.0.140/aria2/download/
192.168.0.140/aria2/download/test
192.168.0.140/.htaccess
192.168.0.140/cuteone/
192.168.0.140/cuteone/test
192.168.0.140/404.html
tar: The following options were used after any non-optional arguments in archive
create or update mode. These options are positional and affect only arguments
that follow them. Please, rearrange them properly.
tar: --exclude "nextcloud/data" has no effect
tar: --exclude "aria2/download" has no effect
tar: 由于前次错误, 将上次的错误状态退出

```

出现错误

推断: --exclude参数不应放在末尾

查看宝塔脚本并试运行

```

backup_path = sql.table('config').where("id=?", (1,)).getField('backup_path') + '/site';
if not os.path.exists(backup_path): public.ExecShell("mkdir -p " + backup_path);
filename= backup_path + "/Web_" + name + "_" + time.strftime('%Y%m%d_%H%M%S',time.localtime()) + '.tar.gz'
public.ExecShell("cd " + os.path.dirname(path) + " && tar zcvf '" + filename + "' " + os.path.basename(path) + " "
+ self._exclude + " > /dev/null")
#xu_zh测试用代码
print(u"path="+path)
print(u"backup_path="+backup_path)
print(u"filename="+filename)
print(u"exec=cd " + os.path.dirname(path) + " && tar zcvf '" + filename + "' " + os.path.basename(path) + " " + self
._exclude + " > /dev/null")
#xu_zh测试用代码
|
path=/www/wwwroot/192.168.0.140
backup_path=/www/backup/site
filename=/www/backup/site/Web_192.168.0.140_20200225_192236.tar.gz
exec=cd /www/wwwroot && tar zcvf '/www/backup/site/Web_192.168.0.140_20200225_192236.tar.gz'
'192.168.0.140' --exclude="aria2/download" > /dev/null
★[2020/02/25 19:22:36] 网站[192.168.0.140]备份成功,用时[0.02]秒
|---保留最新的[3]份备份
|---文件名: /www/backup/site/Web_192.168.0.140_20200225_192236.tar.gz
|---排除规则: --exclude="aria2/download"
|---已清理过期备份文件: /www/backup/site/Web_192.168.0.140_20200225_183654.tar.gz

```

推断: 宝塔面板备份脚本有问题

修改脚本 (就是把exclude放在path前面)

```

public.ExecShell("cd " + os.path.dirname(path) + " && tar zcvf '" + filename + "' " + self._exclude + " " + os
.path.basename(path) + " " > /dev/null")
#xu_zh测试用代码

```

试运行

测试1:

任务类型

任务名称

执行周期 时 分

备份网站 备份到 保留最新 份

排除规则

```

xu_zh@VirtualUbuntu: /www/backup/site$ tree
.
├── 192.168.0.140
│   ├── 404.html
│   ├── aria2
│   │   ├── test
│   │   └── cuteone
│   │       ├── test
│   │       ├── index.html
│   │       └── nextcloud
│   │           └── test
│   └── Web_192.168.0.140_20200225_193238.tar.gz

```

成功排除

测试2:

排除规则

```
ku_zh@VirtualUbuntu:/www/backup/site$ tree
├── 192.168.0.140
│   ├── 404.html
│   ├── aria2
│   │   └── download
│   ├── cuteone
│   ├── index.html
│   ├── nextcloud
│   │   └── data
```

成功排除

虚拟机测试结束

内网环境实际测试

任务名称

执行周期 时 分


备份网站 备份到 保留最新 份

排除规则

修改脚本前备份文件

	Web_192.168.1.9_20200225_123814.tar.gz	24.21 GB	2020/02/25 14:58:11	644	root
---	--	----------	---------------------	-----	------

修改后备份文件（期间并未添加/删除文件）

	Web_192.168.1.9_20200225_194648.tar.gz	1.21 GB	2020/02/25 19:51:24	644	root
---	--	---------	---------------------	-----	------

测试结束