Retrieving Individual Files from a Backup Source for the Sun Cobalt™ Qube 3 Appliance

1 Why Retrieve Individual Files?

This technical note describes how to retrieve individual files that you have backed up. You might want to retrieve an earlier version of a file that you have overwritten or for historical purposes.

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1.1 Audience

The audience for this technical note is developers who want to retrieve individual files that were back up to another machine or archive mechanism from Sun Cobalt™ Qube 3 appliance.

1.2 Applicable Products

This technical note applies only to the Sun Cobalt™ Qube 3 appliance.

2 Backup Information

Running a backup on a Sun Cobalt™ Qube 3 appliance creates a directory containing the directory name based on the date and time of the backup. In this example, the file `20010308142756`, is the time of the backup in year, month, day, and time. It contains the following information:

Table 1.

Backup File	Description
`header`	Information that was specified in backup UI
`history`	Contains information on backups that have run until the time of the current backup.
`groupsNNN.tar`	Backup of `/home/groups`
`baseNNN.tar`	Backup of highest level (/) directory, except the portions indicated in the following archives
`groupsNNN.tar`	Backup of `/home/users`
`sausalito.tar`	Backup of `/usr/sausalito` (CCE database)

Note

NNN indicates a sequence number, starting from 000 to 1 GByte segments. The directory `/etc` is contained in the `baseNNN.tar` files.

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3 Recovering a File

To recover a file, get a table of contents from one or more of the `tar` files, you must determine where the file you want to recover is located. Use `grep` to filter out the files you are interested in can help, if you know the file name. Type:

```
$tar -tf groups000.tar | egrep index.html

home/groups/guest-share/web/index.html
home/groups/guest-share/user/en/web/index.html
home/groups/guest-share/group/en/web/index.html
home/groups/home/web/index.html
home/groups/restore/web/index.html
```

You can extract the file from the `tar` archive. If you are extracting a file, for example, `home/groups/guest-share/web/index.html`, type:

```
$  tar -xf groups000.tar home/groups/guest-share/group/en/web/
index.html
$  ls -R home
$ ls -R home

home:
groups/

home/groups:
guest-share/

home/groups/guest-share:
group/

home/groups/guest-share/group:
en/

home/groups/guest-share/group/en:
web/

home/groups/guest-share/group/en/web:
index.html
```

The file is extracted into the directory from which you ran the `tar` command. If you have a number of files to extract from the archive, it is easier to create a text file that lists them all and have `tar` read the file list to recover from that file, as shown in this example:

```
$ tar -tf groups000.tar | egrep index.html > FILE_LIST
$ tar --files-from FILE_LIST --extract --file groups000.tar
$ ls -R home
```

```
home:
groups/

home/groups:
guest-share/  home/  restore/

home/groups/guest-share:
group/  user/  web/

home/groups/guest-share/group:
en/

home/groups/guest-share/group/en:
web/

home/groups/guest-share/group/en/web:
ndex.html

home/groups/guest-share/user:
en/

home/groups/guest-share/user/en:
web/

home/groups/guest-share/user/en/web:
index.html

home/groups/guest-share/web:
index.html

home/groups/home:
web/

home/groups/home/web:
index.html

home/groups/restore:
web/

home/groups/restore/web:
index.html
```

Important

 Do **not** recover individual files from `sausalito.tar`. If you recover `sausalito.tar` as a whole, you must restart CCE using `/etc/rc.d/init.d/cce.init restart` to synchronize the information in CCE with the operating system. Restarting CCE can be dangerous because the system configuration in CCE and the operating system can become out of sync.