

Red Hat Backup

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1 Backup

1.1 Level 1

This level of backup is implemented as a script to backup your database. The package includes a script that is scheduled to run by a menu. The menu is triggered by a tailored login for your system.

The menu will display the following on your terminal display.

MAIN MENU

```
Current start stanza      21:00
Current date and time     Fri Aug 22 08:09:43 CDT 2008
```

- 1) Change start stanza
- 2) Start daily backup based on above start stanza
- 3) List the current job queue
- 4) Remove a previously scheduled job
- 5) List the history of previous backups
- X) Exit

Please make a selection, wback:

This menu is designed to allow you to schedule the backup to run at your discretion. It will not run automatically. You must schedule each and every day. You control the start time. The default is 9 PM or 21:00 hours.

1.1.1 Selection 1

Use selection 1 to change this time. Your options are plentiful. some are displayed when you choose option 1.

Options include:

```
hh:mm where hh is from 00 through 23
      'Jobs started with time less
      than current time
      will be scheduled tomorrow.'
midnight
now
now +4 minutes
now +2 hours
Please enter a new stanza
```

One option is the word now. This will cause the script to run immediately. If you choose to enter an hour of the day that has already passed, the job will not run until tomorrow at that time.

Verify that your new start time is displayed as the Current start stanza. It is possible to enter an invalid or blank start time. This will generate an error. Please correct before proceeding.

1.1.2 Selection 2

Once you have the scheduled start time set to meet your needs, selection 2. This will put the job in the queue.

The backup suite employs a Red Hat facility called sudo. It allows normal (authorized) users to execute administrative commands. When you make selection 2, 3 or 4 the sudo command will be used. One of the features of sudo is the re-authentication of your administrative powers by asking for your password again. Therefore, when you make this selection, you may be prompted for your password again. This is your user password not the root password.

At this point you can use the X option and your screen will be logged off. Do not worry, the job will run as requested. There will be no further display on this screen. Do not expect it or do not leave the screen logged on, nothing will happen here.

1.1.3 Selection 3 and 4

These selections will display the job queue and allow you to remove a job from the job queue.

It would not be a good thing to schedule the job twice, especially at the same time.

1.1.4 Selection 5

The final selection will display the last ten lines of a computer log file. The backup script will record the results of the execution. Only successful or failed will be reported. Further analysis will be required to determine the cause. You can use this option each morning to verify the outcome of the execution. You can then use the X command without scheduling the job again.

Output from this selection will look like the following display.

```
Please make a selection, root: 5
Aug 21 22:09:47 logger: The backup completed normally
Thu 21 Aug 2008 10:09:47 PM CDT
Press ENTER to continue
```

Further analysis starts with the command `cat /usr/local/bin/backup.log`.

1.2 Level 2

A complete backup of all files in the system not supported in this free version.

1.3 Level 3

A bootable system backup.

At this time Strategy 7 recommends the purchase of LoneTar for this function.