

Re: Sort files by filename

Source: <http://linux.derkeiler.com/Mailing-Lists/Fedora/2007-07/msg05222.html>

- *From:* "Kam Leo" <kam.leo@xxxxxxxx>
 - *Date:* Tue, 31 Jul 2007 11:06:24 -0700
-

On 7/31/07, Mark Haney <mhaney@xxxxxxxxxxxxxxxx> wrote:

Rodolfo Alcazar Portillo wrote:

Am Dienstag, den 31.07.2007, 11:00 -0400 schrieb Miner, Jonathan W (CSC)
(US SSA):

-----Original Message-----

From: fedora-list-bounces@xxxxxxxx on behalf of Mark Haney
Sent: Tue 07/31/2007 10:52 AM
To: For users of Fedora
Cc:
Subject: Sort files by filename

This is really a general linux question. I have a series of files in a format like this:

XXXX20070515_112011_942_10.bz2
XXXX20070515_112011_942_12.bz2 etc,

and I am trying to find a way to do 2 things, one, sort these files in order, and then once in order, find the files that are numerically missing based on the last 2 numbers in the file name. So if I have (as above I want to know that file XXXX20070515_112011_942_11.bz2 is missing. Can someone get me started on this, I'm stumped.

Just an example tip which simply works with a counter, hope helps you.

- a) Do you really need the sorting stuff? I didnt mess with that.
- b) the counter:

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```
[rodolfoap] /home/rodolfoap > for n in $(seq 10 40); do touch  
XXXX20070515_112011_942_${n}.bz2; done  
[rodolfoap] /home/rodolfoap > rm XXXX20070515_112011_942_11.bz2  
[rodolfoap] /home/rodolfoap > rm XXXX20070515_112011_942_22.bz2  
[rodolfoap] /home/rodolfoap > rm XXXX20070515_112011_942_33.bz2  
[rodolfoap] /home/rodolfoap > for n in $(seq 10 40); do if [ ! -e *_${n}.bz2  
]; then echo NOT FOUND: $n; fi; done  
NOT FOUND: 11  
NOT FOUND: 22  
NOT FOUND: 33  
[rodolfoap] /home/rodolfoap >
```

Good luck.

I think this would probably work except I really need to know which ones are out of sequence as is, changing the filename would eliminate that capability and the missing files are the ones I need. See, I'm receiving the files from a separate server and they are sent to me in this format. I need to know which ones I /don't/ receive so I know which ones I need to have resent. Make sense?

Is there a reason why rsync cannot be used for this?

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—
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