

## RE: Sort files by filename

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

From: fedora-list-bounces@xxxxxxxxxx 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.

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Try this to start out...

```
#!/bin/sh
```

```
last_seq_number=UNKNOWN
```

```
for f in `ls XXXX*bz2`; do  
seq_number=`echo $f | cut -d'_' -f4 | cut -d'.' -f1`
```

```
if [ $last_seq_number != 'UNKNOWN' ]; then  
diff=`expr $seq_number - $last_seq_number`  
if [ $diff -ne 1 ]; then  
echo "Missing Files"  
fi  
fi
```

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```
last_seq_number=$seq_number  
done
```

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