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| --- | --- | --- |
| **Compressing/Decompressing files** | | |
| gzip filename  gzip -d filename.gz  gunzip filename.gz | compress file using gzip  decompress gzipped file  decompress gzipped file |  |
| bzip2 filename  bzip2 -d filename.bz2  bunzip2 filename.bz2 | compress file using bzip2  decompress gzipped file  decompress gzipped file |  |
| **Miscellaneous Commands** | | |
| du -sh /mydir | display a summary of **space used** by /mydir in human readable format |  |
| df -h /dev/sda1 | display **free space** on /dev/sda1 |  |
| nl filename  grep “word” filename | nl | add line numbers to output |  |
| ps  ps aux | process list  process list of all processes with running user |  |
| su - linuxuser | switch user to linuxuser and execute logon scripts |  |
| w  who | show who’s logged on |  |
| cat filename | display the contents of filename |  |

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| **Create/Extract tar files** | | |
| tar xzvf *filename.tar.gz* | extract gzip’d tar file | f must be last option |
| tar xjvf *filename.tar.bz2* | extract bzip’d tar file | f must be last option |
| tar czvf *filename.tar.gz file1 file2 /path/* | create gzip’d tar file | f must be last option  may have multiple files or directory paths after file name |
| Create myfiles.tar.gz and add two files:   |  | | --- | | **tar czvf myfiles.tar.gz /home/linuxuser/file1 /home/linuxuser/file2** |   Create mydir.tar.gz and add the contents of a directory:   |  | | --- | | **tar czvf mydir.tar.gz /home/linuxuser/** |   Extract myfiles.tar.gz to your present working directory:   |  | | --- | | **tar xzvf myfiles.tar.gz** |   Extract myfiles.tar.gz and specify the directory to extract to:   |  | | --- | | **tar xzvf myfiles.tar.gz -C /home/linuxuser** |   List the contents of a tar.gz file:   |  | | --- | | **tar tzvf myfiles.tar.gz** | | | |