

# Storing and Compressing

1. It is suggested that you create a new folder HOLD/ and copy the directories and files of interest there. This will avoid your combining unwanted material in the compressed file that you will create. Use the ls command to list the contents of HOLD/.

```
[liliane@localhost HOLD]$ ls list the files in HOLD/  
DO_IT_YOURSELF.tar      genealogy_introduction.pdf*  SHELL_FILES/  
do_it_yourself_tex.pdf  haftarah_shabbat_shuvah.pdf* sources_fonts_unicode.html*  
FONTS+UNICODE/         images_colour_marginal-notes.pdf* TEXT_SAMPLES/  
FORMS+MAC_FILES/       RIGHT-to-LEFT_TEXTS/
```

## Listing the folders and files in HOLD/

2. Use the shell/terminal command TAR as in the image:

```
inside the UPLOAD directory: tar -cvf DO_IT_YOURSELF.tar * (everything)  
[liliane@localhost 00_UPLOAD]$ tar -cvf DO_IT_YOURSELF.tar *
```

## The TAR command

3. Use the ls command again to make sure that the tar file has been created:

```
[liliane@localhost 00_UPLOAD]$ ls *.tar  
DO_IT_YOURSELF.tar  
[liliane@localhost 00_UPLOAD]$
```

## Checking for the .tar file

4. Use the shell/terminal command GZIP to compress the .tar file and obtain a .tar.gz file; check that it has been created:

```
now compress the tar file via: gzip. then check that created  
[liliane@localhost 00_UPLOAD]$ gzip DO_IT_YOURSELF.tar  
[liliane@localhost 00_UPLOAD]$ ls  
DO_IT_YOURSELF.tar.gz  genealogy_introduction.pdf*  
do_it_yourself_tex.pdf  haftarah_shabbat_shuvah.pdf*
```

## The GZIP command

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## Reversing the Procedure

5. First use GUNZIP to extract the .tar file from the .tar.gz file:

```
uncompress: gunzip DO_IT_YOURSELF.tar.gz  
[liliane@localhost HOLD]$ gunzip DO_IT_YOURSELF.tar.gz  
[liliane@localhost HOLD]$ ls  
DO_IT_YOURSELF.tar check that unzipped  
[liliane@localhost HOLD]$
```

The GUNZIP command

6. Use TAR to extract the original files and directories from the .tar file; check that you have all the original material:

```
extract the tar file: tar -xvf DO_IT_YOURSELF.tar  
[liliane@localhost HOLD]$ tar -xvf DO_IT_YOURSELF.tar
```

Extraction via the TAR command