

# A summary of ELFI usage

A summary of ELFI usage, to be used as a quickstart or for those already in the knows.

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**Date:** Thu Oct 12 10:07:13 CEST 2006

Apply the following substitutions when typing the any of the following commands into your Linux shell:

*SE*

The hostname of any SE that is accessible by your VO (you can get a list with `ls elfi/`).

*logical/file/name*

A logical file name, as you would use with, for instance, `lfc-ls`.

*local/file/name*

The path name of any local file.

Command-line	Purpose
<code>elfi -v ./elfi</code>	mount the ELFI filesystem
<code>ls -l elfi/LFC/logical/file/name</code>	get info about an LFN
<code>ls -l elfi/SE/logical/file/name</code>	get info about the replica residing on host <i>SE</i>
<code>cat elfi/LFC/logical/file/name vi elfi/LFC/logical/file/name</code>	directly access LFN contents for reading/writing
<code>cat elfi/SE/logical/file/name vi elfi/SE/logical/file/name</code>	directly access replica contents for writing
<code>cp local/file/name elfi/LFC/logical/file/name</code>	copy a local file into Grid storage and register it under a given LFN
<code>mv elfi/LFC/logical/file/name elfi/LFC/other/logical/file/name</code>	rename a LFN
<code>ls elfi/*/logical/file/name</code>	list replicas of a given LFN (bash trick :-))
<code>cp elfi/SE1/logical/file/name elfi/SE/logical/file/name</code>	make a new replica of a given LFN on <i>SE</i>
<code>cp elfi/SE1/logical/file/name elfi/SE2/logical/file/name</code>	update replica residing on <i>SE2</i> with contents of replica on <i>SE1</i>
<code>rm elfi/SE/logical/file/name</code>	delete replica residing on <i>SE</i>
<code>rm elfi/LFC/logical/file/name</code>	remove an LFN and all of its replicas
<code>elfi --unmount ./elfi</code>	unmount ELFI – no more Grid access