

3.2 - Starting the Flux Capacitor

Start Command

The Flux Capacitor provides a wrapper script to launch the program from predominant shell interpreters of major platforms.

shell (Linux/Unix)	\$ flux-capacitor	cmd (Windows)	C:\>flux-capacitor.bat -t capacitor
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When started with the --help flag, the Flux Capacitor provides a list of command line flags that can be provided when starting the program.

```
Flux-Capacitor v1.0.3-SNAPSHOT (Flux Library: 1.15-SNAPSHOT)

[ERROR]
[ERROR] No parameter file specified!
[ERROR]

The Flux Capacitor

Tool specific options
[(-p|--parameter) <file>]                specify parameter file (PAR file)
[(-a|--annotation) <gtf>]                Path to the annotation file
[(-i|--input) <bed>]                      Path to the mapping file
[(-o|--output) <gtf>]                    Path to the output file
[(-m|--annotation-mapping) <mapping>]    Annotation Mapping (default PAIRED) (default: PAIRED)
[(-d|--read-descriptor) <descriptor>]    Read Descriptor (default PAIRED) (default: PAIRED)
[-r|--sort-in-ram]                       Sort in RAM
[--printParameters]                      Print default parameters
```

Parameter

As can be seen by the default output above, the Flux Capacitor requires a parameter file to be specified by the command line flag "-p". A parameter file contains a list of parameter/value pairs, one per line and separated from each other by white spaces. An overview of parameters that can be contained in the parameter file with explanations and their respective default values is output with the flag "--printParameters".

```
$ flux-capacitor --printParameters
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# The annotation file
#
ANNOTATION_FILE

# Information from the read descriptor that will be used for annotation mapping
#
# [PAIRED, STRANDED, SINGLE, COMBINED] default: SINGLE
ANNOTATION_MAPPING    SINGLE

#...
```

A complete description of the parameters for the Flux Capacitor can be found [here](#).