

Wikiprint Book

Title: Install JPF from File Snapshot

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Install JPF from File Snapshot

Note:

Please be advised - JPF is actively developed, and our file releases usually lag behind the repository version.

You can download file snapshots from the [JPF website on Sourceforge](#). There are currently two packages available, which we periodically update from the source repository and distribute as ZIP archives:

- jpf-bin - containing all the binaries you need to run JPF

- jpf-src - optional archive with JPF sources

Both archives start at the jpf-root directory, whose name reflects the repository revision this snapshot was built from (e.g. *javapathfinder-r1258*). If you extract both archives from within the same directory (the parent directory of where JPF will be installed), you get the same content (sans .SVN directories) like checking out from the repository.

Building and testing is then performed in the same way like if you obtained JPF from the repository:

```

> cd //my-projects//
> unzip //my-downloads/jpf-src-<revision>.zip
> cd javapathfinder-r<revision>
>
> build-tools/bin/ant run-tests
Buildfile: build.xml

init:

[mkdir] Created dir: /users/pcmehlitz/projects/javapathfinder-trunk/build

...
compile-jpf:

[javac] Compiling 543 source files to /users/pcmehlitz/projects/javapathfinder-trunk/build/jpf

...
run-tests:

[echo] --- running Junit tests from build/test..

[junit] Running TestJavaLangObjectJPF

[junit] Tests run: 1, Failures: 0, Errors: 0, Time elapsed: 0.876 sec

...
BUILD SUCCESSFUL
Total time: 2 minutes 25 seconds

```

If you downloaded the binary snapshot, there is no need to build anything. To run JPF, you should use the supplied *bin/jpf* script, which automatically sets up the required *CLASSPATH* and other VM arguments:

```

> bin/jpf

Usage: "java [<vm-option>..] gov.nasa.jpf.JPF [<jpf-option>..] [<app> [<app-arg>..]"

<jpf-option> : -c <config-file> : name of config properties file (default "jpf.properties")
               | -help : print usage information
               | -show : print configuration dictionary contents
               | +<key>=<value> : add or override key/value pair to config dictionary
<app> : application class or *.xml error trace file
<app-arg> : arguments passed into main(String[]) if application class

```