

# Obtain the Forrest distribution

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## 1. How to download

Use the links below to download a distribution of Forrest from one of our mirrors. It is good practice to [verify the integrity](#) ([location]#verify) of the distribution files.

Forrest is distributed as zip and tar.gz archives - the contents are the same.

## 2. Closest mirror site selected automatically

You are currently using **[preferred]**. If you encounter a problem with this mirror, then please select another. If all mirrors are failing, there are backup mirrors at the end of the list. See [status](#) (<http://www.apache.org/mirrors/>) of mirrors.

Other mirrors: **[http][ftp][backup]** (backup)

The current release is Apache Forrest 0.5.1 (see the [release notes](#) ([preferred]/forrest/README.html) ).

- source distribution: [apache-forrest-0.5.1-src.tar.gz](#)  
([preferred]/forrest/apache-forrest-0.5.1-src.tar.gz) [[PGP](#)  
(<http://www.apache.org/dist/forrest/apache-forrest-0.5.1-src.tar.gz.asc>) ] [[MD5](#)  
(<http://www.apache.org/dist/forrest/apache-forrest-0.5.1-src.tar.gz.md5>) ]
- source distribution: [apache-forrest-0.5.1-src.zip](#)  
([preferred]/forrest/apache-forrest-0.5.1-src.zip) [[PGP](#)  
(<http://www.apache.org/dist/forrest/apache-forrest-0.5.1-src.zip.asc>) ] [[MD5](#)  
(<http://www.apache.org/dist/forrest/apache-forrest-0.5.1-src.zip.md5>) ]
- binary distribution: [apache-forrest-0.5.1-bin.tar.gz](#)  
([preferred]/forrest/apache-forrest-0.5.1-bin.tar.gz) [[PGP](#)  
(<http://www.apache.org/dist/forrest/apache-forrest-0.5.1-bin.tar.gz.asc>) ] [[MD5](#)  
(<http://www.apache.org/dist/forrest/apache-forrest-0.5.1-bin.tar.gz.md5>) ]
- binary distribution: [apache-forrest-0.5.1-bin.zip](#)  
([preferred]/forrest/apache-forrest-0.5.1-bin.zip) [[PGP](#)  
(<http://www.apache.org/dist/forrest/apache-forrest-0.5.1-bin.zip.asc>) ] [[MD5](#)  
(<http://www.apache.org/dist/forrest/apache-forrest-0.5.1-bin.zip.md5>) ]

## 3. Head SVN repository and snapshots

If you want to use the latest Forrest features, the source code is under version control with Subversion (read how to [obtain](#) (<http://forrest.apache.org/build.html>) your working copy). There are also compressed source [snapshots](#) (<http://cvs.apache.org/snapshots/forrest/>) that are built every 6 hours.

## 4. Archive of old releases

Older releases are available in the [archive](http://archive.apache.org/dist/forrest/) (<http://archive.apache.org/dist/forrest/>) . Those releases are only provided as historical artefacts. We strongly recommend to not use those releases, but upgrade to the most recent release.

## 5. Verify releases

It is essential that you verify the integrity of the downloaded files using the PGP and MD5 signatures. MD5 verification ensures the file was not corrupted during the download process. PGP verification ensures that the file came from a certain person.

The PGP signatures can be verified using [PGP](http://www.pgpi.org/) (<http://www.pgpi.org/>) or [GPG](http://www.gnupg.org/) (<http://www.gnupg.org/>) . First download the Forrest [KEYS](http://svn.apache.org/repos/asf/forrest/trunk/KEYS) (<http://svn.apache.org/repos/asf/forrest/trunk/KEYS>) as well as the `asc` signature file for the particular distribution. It is important that you get these files from the ultimate trusted source - the main ASF distribution site, rather than from a mirror. Then verify the signatures using ...

```
% pgpk -a KEYS
% gpgv apache-forrest-0.5.1-src.tar.gz.asc
or
% gpg -ka KEYS
% gpg apache-forrest-0.5.1-src.tar.gz.asc
or
% gpg --import KEYS
% gpg --verify apache-forrest-0.5.1-src.tar.gz.asc
```

To verify the MD5 signature on the files, you need to use a program called `md5` or `md5sum`, which is included in many unix distributions. It is also available as part of [GNU Textutils](http://www.gnu.org/software/textutils/textutils.html) (<http://www.gnu.org/software/textutils/textutils.html>) . Windows users can get binary `md5` programs from [here](http://www.fourmilab.ch/md5/) (<http://www.fourmilab.ch/md5/>) , [here](http://www.pc-tools.net/win32/freeware/console/) (<http://www.pc-tools.net/win32/freeware/console/>) , or [here](http://www.slavasoft.com/fsum/) (<http://www.slavasoft.com/fsum/>) .

We strongly recommend you verify your downloads with both PGP and MD5.