

# Obtain the Forrest distribution

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## Table of contents

1 How to download.....	2
2 Closest mirror site selected automatically.....	2
3 Head SVN repository and snapshots.....	2
4 Archive of old releases.....	3
5 Verify releases.....	3

## 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.

*Obtain the Forrest distribution*

## 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 or MD5 signatures.

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://www.apache.org/dist/forrest/KEYS) (<http://www.apache.org/dist/forrest/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
% pgpv apache-forrest-0.5.1-src.tar.gz.asc
or
% pgp -ka KEYS
% pgp apache-forrest-0.5.1-src.tar.gz.asc
or
% gpg --import KEYS
% gpg --verify apache-forrest-0.5.1-src.tar.gz.asc
```

Alternatively, you can verify the MD5 signature on the files. A unix program called `md5` or `md5sum` 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 to verify the signature.