

# **Portable Asciidoctor**

What if your target computer is not connected to the internet ('standalone'), or you don't have administrator privileges, or you want to run from a CD or USB ('portable')? You can still run most of the applications, but some of them must be built on an internet connected computer first.

These notes are a guide to getting the applications working in each situation, not detailed instructions. They are based on downloading to a Ubuntu 15 computer (with full privileges), and installing on a standalone Windows 7 PC (with user privileges only). Installation from other combinations should be similar.

| <b>Application</b> | <b>Build tools</b> | <b>Runtime dependencies</b> | <b>Standalone-admin</b> | <b>Standalone-user</b> | <b>Portable-R/W (1)</b> | <b>Portable-R/O (2)</b> |
|--------------------|--------------------|-----------------------------|-------------------------|------------------------|-------------------------|-------------------------|
| asciidoc           | -                  | Ruby (3)                    | YES                     | YES (JRuby)            | YES (JRuby)             | YES (JRuby)             |
| asciidoc           | JDK, Maven         | JDK, Ant                    | YES                     | YES                    | YES?                    | YES?                    |
| asciidoc           | -                  | JDK                         | YES                     | YES                    | YES?                    | YES?                    |
| asciidoclet        | JDK, Maven         | JDK                         | YES                     | YES                    | YES?                    | YES?                    |
| asciidoc           | Ruby (3)           | Ruby (4)                    | YES                     | YES (JRuby)            | YES? (JRuby)            | YES? (JRuby)            |
| asciidoc           | JDK, Maven         | -                           | YES                     | YES                    | YES                     | NO (5)                  |

## NOTES

(1) Eg USB drive.

(2) Eg CD or read-only network drive.

(3) If Ruby is not on the target computer, JRuby can be used instead (without admin install) but it needs a JVM.

(4) Prebuilt gem, but Ruby is used to collect dependencies.

- (5) The application is portable, but the current version requires that all documents to be converted are in the asciidoc-fopub folder, so it cannot be run from read-only media.

## Build a distribution CD

**NOTE**

Installation of the build tools (Ruby, JDK, and Maven) on the internet computer are not described here because they are already fully described elsewhere.

*JRuby*

Download JRuby.zip from <http://jruby.org/>

*Ant*

Download Ant.zip from <http://ant.apache.org/>

*Asciidoc*

Download the asciidoc gem from <https://rubygems.org/gems/asciidoc>.

*asciidoc-ant*

This is the simplest way to get asciidoc running, especially if you already use Ant. However asciidoc-ant only includes the main asciidoc gem, and is often a version behind. There is no pre-built version available, and the project does not build off-line.

To build the latest version:

1. Download the project (<https://github.com/asciidoc/asciidoclet>).
2. Build it using Maven (mvn package).
3. Copy the asciidoc-ant-{version}.jar file from the 'target' folder.

*asciidoc*

Download the pre-built jar from Bintray and copy it.

*Asciidoclet*

There is no pre-built version available, and the project does not build off-line.

1. Download the project (<https://github.com/asciidoc/asciidoclet>).
2. Build it using Maven (mvn package).
3. Copy the asciidoclet-{version}.jar in the 'target' folder.

*asciidoc-pdf*

This is a pre-built gem but it has lots of dependencies, so let gem do the work of fetching them.

1. Install the gem on the internet computer following the instructions on the download page.  
Something like: gem install asciidoctor-pdf -v 1.5.0.alpha.6 --pre.
2. Locate your gem cache (On Ubuntu 15 look in /var/lib/gems/2.3.0/cache).
3. Copy the whole cache folder.

#### *asciidoctor-fopub*

**NOTE** | The application does not download fully until the first document is converted.

1. Download the project (<https://github.com/asciidoctor/asciidoctor-fopub>).
2. Build it and convert a document as described in its README.
3. Copy the whole folder (NOT just 'target').

## Install on standalone computer (admin)

1. Transfer the above folders to the standalone computer (eg by CD).
2. cd to the 'cache' folder
3. Install asciidoctor: gem install --force --local asciidoctor-{version}.gem.
4. Install asciidoctor-pdf: gem install --force --local asciidoctor-pdf-{version}.gem.
5. Copy the other folders/jars.

## Install on standalone computer (user)

You might not be able to install gems into the system Ruby if you do not have admin rights. If this happens, or it does not have Ruby, you can use JRuby instead:

1. Unzip jruby-{version}.zip to {somewhere}.
2. Add {somewhere}/jruby-{version}/bin to the path.

jruby and gem should now run from the command line.

## Create portable distribution (R/W)

1. Install on the standalone computer using the JRuby option.
2. Copy the JRuby folder, asciidoctor-fopub folder, and the jars.

The applications will not be available on the command line, but they will work using the full path:

**NOTE**

```
E:jruby\bin\asciidoc myfile.adoc
```

etc.

## Create portable distribution (R/O)

Follow the instructions for portable R/W as above. The only application that will not work is asciidoc-fopub.