

Portable Ascidoctor

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.

Application	Build tools	Runtime dependencies	Standalone-admin	Standalone-user	Portable-R/W (1)	Portable-R/O (2)
asciidoctor	-	Ruby (3)	YES	YES (JRuby)	YES (JRuby)	YES (JRuby)
asciidoctor-ant	JDK, Maven	JDK, Ant	YES	YES	YES?	YES?
asciidoctor-j	-	JDK	YES	YES	YES?	YES?
asciidoclet	JDK, Maven	JDK	YES	YES	YES?	YES?
asciidoctor-pdf	Ruby (3)	Ruby (4)	YES	YES (JRuby)	YES? (JRuby)	YES? (JRuby)
asciidoctor-fopub	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 asciidoctor-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/>

Asciidoctor

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

asciidoctor-ant

This is the simplest way to get asciidoctor running, especially if you already use Ant. However asciidoctor-ant only includes the main asciidoctor 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/asciidoctor/asciidoclet>).
2. Build it using Maven (mvn package).
3. Copy the asciidoctor-ant-{version}.jar file from the 'target' folder.

asciidoctorj

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/asciidoctor/asciidoclet>).
2. Build it using Maven (mvn package).
3. Copy the asciidoclet-{version}.jar in the 'target' folder.

asciidoctor-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\asciidoctor 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 asciidoctor-fopub.