

# Quick Start

This document is a guide to getting up and running with Fedora as quickly as possible.

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## Out of the box

If you are looking for scripted deployments, please take a look at Fedora's [deployment tooling](#).

- [Java 11](#)

```
java -version
openjdk version "11.0.5" 2019-10-15
OpenJDK Runtime Environment (build 11.0.5+10-post-Ubuntu-0ubuntu1.1)
OpenJDK 64-Bit Server VM (build 11.0.5+10-post-Ubuntu-0ubuntu1.1, mixed mode, sharing)
```

- Servlet 3.0 container such as:
  - [Tomcat 9](#)
  - [Jetty 9.x](#)
- A case-sensitive filesystem. Fedora 6 stores resources on disk in an [OCFL repository](#), and OCFL [requires a case-sensitive filesystem](#). By default, Windows and Mac systems uses case-insensitive filesystems. If you intend to run Fedora on such a system, you should do some combination of the following:
  - Locate Fedora home on a case-sensitive volume. This is an exercise for the reader.
  - Do not use Archival Groups. Case related resource name collisions can only happen when dealing with resources contained within the same Archival Group.
  - Do not name two different resources the same but with different casing.

## Installation

There are two primary ways of deploying Fedora. The first, One-Click Run, is an easy way to get Fedora running to test out the basic features. The second, [Servlet Container Install](#), is the approach to be used in production installations.

### One-Click Run

1. Download the latest executable webapp "one-click-run" from [releases](#)
2. Either double-click on the download, or run the following command to start Fedora

```
java -jar fcrepo-webapp-<version>-jetty-console.jar
```

3. Once Fedora is seen to be running at the following URL, start exploring the [feature tour](#)

```
http://localhost:8080/rest/
```

Note, port 8080 is the default. Replace that port number in the above URL if you used a different value.

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## Using Docker

If you'd like to run using docker you can simply install docker and then run the following command:

For the latest bleeding edge development:

```
docker run -p8080:8080 --name=fcrepo fcrepo/fcrepo
```

For a particular version:

```
docker run -p8080:8080 --name=fcrepo fcrepo/fcrepo:6.0.0-beta-1
```

For all the available docker configuration options for fcrepo see the fcrepo-docker [README](#).

## Servlet Containers

Alternatively, instead of deploying Fedora via the "one-click run", the Fedora web-application can be installed by dropping the WAR file into a servlet 3 container, such as Tomcat 9 or Jetty 9.

For details on installing Fedora to those containers, see the [Deployment](#) guide.

## Next Steps

Once Fedora is running,

- Explore the [feature tour](#)
- Explore the web-application [configuration options](#)
- Explore enabling repository asset [authorization](#)
- Explore setting up an [external search](#) index