



(../..)

## Initial setup

In the `moviefun` project, checkout the `read-resource-from-classpath-start` tag.

```
git checkout read-resource-from-classpath-start
```

If you just completed the *managing datasources* lab, you cannot use the same database structure. It is recommended to re-create the database and let JPA build the table structures when your application starts.

## Look at the code

Explore the `AlbumFixtures` and `MovieFixtures` classes.

They are used in the `/setup` endpoint in order to load records that populate the database.

Both classes are loading `csv` files from the file system. Look at the functions in `CsvUtils`.

Try the app on PCF by building the application and deploying the `war` file.

Does the `/setup` endpoint work?

## Load files from the classpath

Move both `.csv` files to the classpath by putting them into the `resources` folder.

Update the `readFile` function in `CsvUtils` to load files from the classpath:

- In the `readFile` function, create a new `ClassLoader` instance via the `getClassLoader` function.
- Create an `InputStream` by calling `getResourceAsStream` on your `ClassLoader` instance.

Use `path` as the argument.

- Update the `scanner` so it takes your instance of the `InputStream` as a parameter (instead of a `new File`).

Now try pushing to PCF again.

Does the `/setup` endpoint work now?

## Assignment

Once you are done with the lab and the application is deployed and working on PCF, you can submit the assignment using the `submitReplatformingRemovingReadsFromFileSystem` gradle task. It requires you to provide the `movieFunUrl` project property. For example:

```
cd ~/workspace/assignment-submission
./gradlew submitReplatformingRemovingReadsFromFileSystem -PmovieFunUrl=http://my-movie-fun.cfapps.io
```

(<https://pivotal.io>)

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