

MovieCatalog.jar Installation Manual

This manual provides step-by-step instructions for installing and setting up MovieCatalog.jar on Ubuntu, Windows 11, and macOS, including setting it up to run at startup.

1. Ubuntu Installation & Startup Setup

Step 1: Install Java

Check if Java is installed:

```
$ java -version
```

If Java is missing, install OpenJDK:

```
$ sudo apt update
```

```
$ sudo apt install openjdk-8-jdk -y
```

Step 2: Place MovieCatalog.jar in a Directory

Copy the file to /opt/moviecatalog/:

```
$ sudo mkdir -p /opt/moviecatalog
```

```
$ sudo mv MovieCatalog.jar /opt/moviecatalog/
```

Step 3: Run MovieCatalog.jar

Test if it runs:

```
$ java -jar /opt/moviecatalog/MovieCatalog.jar
```

Step 4: Setup Startup at Boot using systemd

Create a service file:

```
$ sudo nano /etc/systemd/system/moviecatalog.service
```

Add the following:

```
[Unit]
```

```
Description=Movie Catalog Service
```

```
After=network.target
```

```
[Service]
```

```
User=$USER
```

```
ExecStart=/usr/bin/java -jar /opt/moviecatalog/MovieCatalog.jar
```

```
Restart=always
```

WorkingDirectory=/opt/moviecatalog/

[Install]

WantedBy=multi-user.target

Enable the service:

\$ sudo systemctl daemon-reload

\$ sudo systemctl enable moviecatalog.service

\$ sudo systemctl start moviecatalog.service

2. Windows 11 Installation & Startup Setup

Step 1: Install Java

Check if Java is installed:

Open PowerShell and type:

> java -version

If not installed, download and install Java from:

<https://www.java.com/en/download/>

Step 2: Place MovieCatalog.jar in a Directory

Move MovieCatalog.jar to C:\MovieCatalog\

Step 3: Run MovieCatalog.jar

Open Command Prompt and run:

> java -jar C:\MovieCatalog\MovieCatalog.jar

Step 4: Setup Startup at Boot using Task Scheduler

1. Open Task Scheduler (Win + R, type 'taskschd.msc').
2. Click 'Create Basic Task'.
3. Name it 'MovieCatalog' and click Next.
4. Select 'When the computer starts' and click Next.
5. Select 'Start a program' and click Next.
6. Browse to java.exe (usually in C:\Program Files\Java\bin).
7. In 'Add arguments', enter: -jar C:\MovieCatalog\MovieCatalog.jar
8. Click Finish.

3. macOS Installation & Startup Setup

Step 1: Install Java

Check if Java is installed:

```
$ java -version
```

If not installed, install Java using Homebrew:

```
$ brew install openjdk@8
```

Step 2: Place MovieCatalog.jar in a Directory

Move the file to /Applications/MovieCatalog/:

```
$ mkdir -p /Applications/MovieCatalog
```

```
$ mv MovieCatalog.jar /Applications/MovieCatalog/
```

Step 3: Run MovieCatalog.jar

To test:

```
$ java -jar /Applications/MovieCatalog/MovieCatalog.jar
```

Step 4: Setup Startup at Boot using launchd

Create a plist file:

```
$ nano ~/Library/LaunchAgents/com.moviecatalog.plist
```

Add the following:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN"
"http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
  <dict>
    <key>Label</key>
    <string>com.moviecatalog</string>
    <key>ProgramArguments</key>
    <array>
      <string>/usr/bin/java</string>
      <string>-jar</string>
      <string>/Applications/MovieCatalog/MovieCatalog.jar</string>
    </array>
    <key>RunAtLoad</key>
    <true/>
```

</dict>

</plist>

Load the service:

```
$ launchctl load ~/Library/LaunchAgents/com.moviecatalog.plist
```