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# Operating the bestinformed Javaclient on Linux Sytems

## **Prerequisite: Providing the Java Runtime Environment in Linux**

For operating the bestinformed Javaclient on Linux, it is necessary to use Java Version 1.6 or higher. You can obtain the version-number on your system by running following shell-command:

```
java -version
```

In case more than one version of Java is installed, you can set which version is to be used systemwide by running following shell-command:

```
sudo update-alternatives --config java
```

In case Java is not installed on your system, then you can obtain the installation-file from <http://www.java.com>.

## **Installation of the Javaclient**

The installation-package of the Javaclient consists only of the java-executable „bestinformed.jar“. This file must be made available as ressource for all users.

The Javaclient should be installed to the directory /usr/lib/cordaware on Linux. For creating this directory, run following shell-command:

```
sudo mkdir /usr/lib/cordaware/
```

Now copy the file „bestinformed.jar“ into the designated installation-directory:

```
sudo cp -p /path/to/bestinformed.jar /usr/lib/cordaware/
```

Also, it is necessary to allow all users to read and execute the ressource-file „bestinformed.jar“. You can set the systemwide availability by running following shell-commands:

```
chmod a+r /usr/lib/cordaware/  
chmod a+x /usr/lib/cordaware/javaclient.jar
```

## **Starting the Javaclient manually**

You can manually start the Javaclient by running following shell-command:

```
java -jar /usr/lib/cordaware/bestinformed.jar
```

## **Setting automatic start for the Javaclient**

The automatic start of the Javaclient can be implemented by creating a shortcut in the autostart directory of the desktop environment (e.g. KDE, Gnome). For an example of implementing the automatic start of the Javaclient for all users, please read following:

### **Step 1: Create Shell-Script**

Erstellen Sie mit dem Texteditor eine Shell-Skript-Datei (mit Ausführ-Berechtigung) mit diesem Inhalt:

Create a shell-script, which contains the shell-command for starting the Javaclient and save it as file „javaclient“ to the „usr/bin/“ directory. Please mind, that every user needs execute-rights on this shell-script.

#### Content of shell-script

```
#!/bin/sh  
java -jar /usr/lib/cordaware/javaclient.jar
```

#### Set rights on file

```
chmod a+x /usr/bin/javaclient
```

## **2.) Create Autostart**

For being able to autostart the Javaclient, it is necessary to create a .desktop file which needs to be copied to the autostart directory of your desktop environment.

First, create a file named javaclient.desktop with following content:

```
[Desktop Entry]  
Type=Application  
Exec=/usr/bin/javaclient  
GenericName=Cordaware Javaclient  
Comment=Cordaware Javaclient  
Name=Cordaware Javaclient
```



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Please mind, that the item „Exec=“ in the javaclient.desktop file contains the path the shell-script created previously (e.g. Exec=/usr/bin/javaclient).

Depending on the environment (Gnome/KDE), the „javaclient.desktop“ file must be copied to the appropriate autostart-directory (e.g. */etc/xdg/autostart/*, */opt/kde3/share/autostart/* or */usr/share/autostart/*).

Additionally, it necessary to allow all users to execute the javaclient.desktop file in the autostart-directory:

```
chmod a+x /etc/xdg/autostart/javaclient.desktop
```