

R Installation

R is a free software environment for statistical computing and graphics, and it is compatible with Jedox software. The R installation process allows you to perform R integration on Windows and Linux systems.

The most recent tested release is R-3.5.1.

Note: Linux installation is very similar to Windows installation, but may differ depending on the flavor of Linux that is running.

Installing R

1. Download of R for all platforms from <http://www.r-project.org/>. For Windows specifically, you can also go to <https://cran.r-project.org/bin/windows/base/>. For both Windows and Linux, select the 64-bit option.
2. Start the installer. The installation of R must be done on the same system as the Jedox Suite. Note that for Linux installation, the R package must be installed in [changeroot \(chroot\)](#).

Installing R-package rJava (R to Java interface)

1. Start the R console as an administrator and enter the command `install.packages('rJava')`. If you do not start the R console as an administrator, you may get an error message regarding insufficient authorization.
2. Choose a CRAN mirror.

If the installation cannot be performed as above, try performing the following steps.

1. Download the Windows binary corresponding to the R version (the file `rJava*.zip`) from <http://www.rforge.net/rJava/files/>.
2. Start the R console.
3. In the R console, enter `install.packages(file.choose())`
4. A message is displayed, asking if you would like to use a personal library instead. Select **No**.
5. In the File Picker, choose the downloaded file `rJava*.zip`.

Setting the system environment variables

1. Set the system environment variable `R_HOME` to the `R-installation` directory, e.g. `R_HOME=C:\Program Files\R\R-2.15.3` (Windows) or `R_HOME=/usr/lib64/R` (Linux).
2. Add the path to the R executable to the system environment variable path. For example, in a 64-bit Tomcat installation on Windows, the path may be `C:\Program Files\R\R-2.15.3\bin\x64`. A Linux path is similar, and varies based on the flavor of Linux in use.

Changes in Jedox Integrator (already done by Jedox Setup)

Windows: in the file `\tomcat\bin\setenv.bat`, verify that the line starting with `set Library_Path` looks like

```
Library_Path=%R_HOME%\library\rJava\jri\x64
```

Linux: in the file `/opt/jedox/ps/tomcat-etl/setenv.sh`, add the line `export R_HOME=/usr/lib64/R`

If you need to define several directories for the `Library_Path` setting, the entries are separated by the character sequence `';`

Example:

```
Library_Path=%R_HOME%\library\rJava\jri\x64'; 'C:\Program Files (x86)\Jedox\Jedox Suite\tomcat\webapps\etlserver\WEB-INF\lib\auth\x64
```

The Jedox Tomcat Service has to be removed and started again.

Related links:

- [Predictive Analytics and R Integration](#)
- [R Installation of External Packages](#)
- [RScript Transform](#)