

HRA – Visual Resources | Tutorial

## **VRA Core 4 XML Transform Tool – Desktop Installation**



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## 1. Introduction

Besides using the VRA Core XML Transform Tool online at <http://kjc-ws2.kjc.uni-heidelberg.de:8081/exist/apps/csv2xml/index.xq> it is also possible to install it on a personal computer. We created a package that installs all necessary components together with the tool.

## 2. Prerequisites

We deploy the Transform Tool together with the open-source eXist-db (<http://exist-db.org/>). It runs with **Version 3** (currently Version 3.0. RC1).

You can run the tool with a standard eXist-db installation.

### 2.1. Supported Systems

You need a standard desktop system running a recent Linux, MacOS, or Windows.

Mobile systems like Android or iOS, or other tablet software are not supported.

### 2.2. Downloading Java Runtime Environment

To install the tool you will need the free Java Runtime Environment (JRE). You can download it from <http://www.oracle.com/technetwork/java/javase/downloads/> or <https://java.com/en/download/>.

### 2.3. Downloading the installer

The installer is an executable .jar (java archive) file and can be downloaded at: <https://kjc-sv013.kjc.uni-heidelberg.de/downloads/hra/>.

The file will be named by this schema:

"eXist-db-setup-<exist-version>-csv-installer-<transform-tool-version>.jar" with last-modified date, and size.

For example:

eXist-db-setup-3.0.RC1-csv-installer-rc1-9049e7d.jar	01-Mar-2016 14:43	133M
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The package will install both, the Transform Tool (currently version 1.0.0) and eXist-db (currently version 3.0 RC1) on your system.

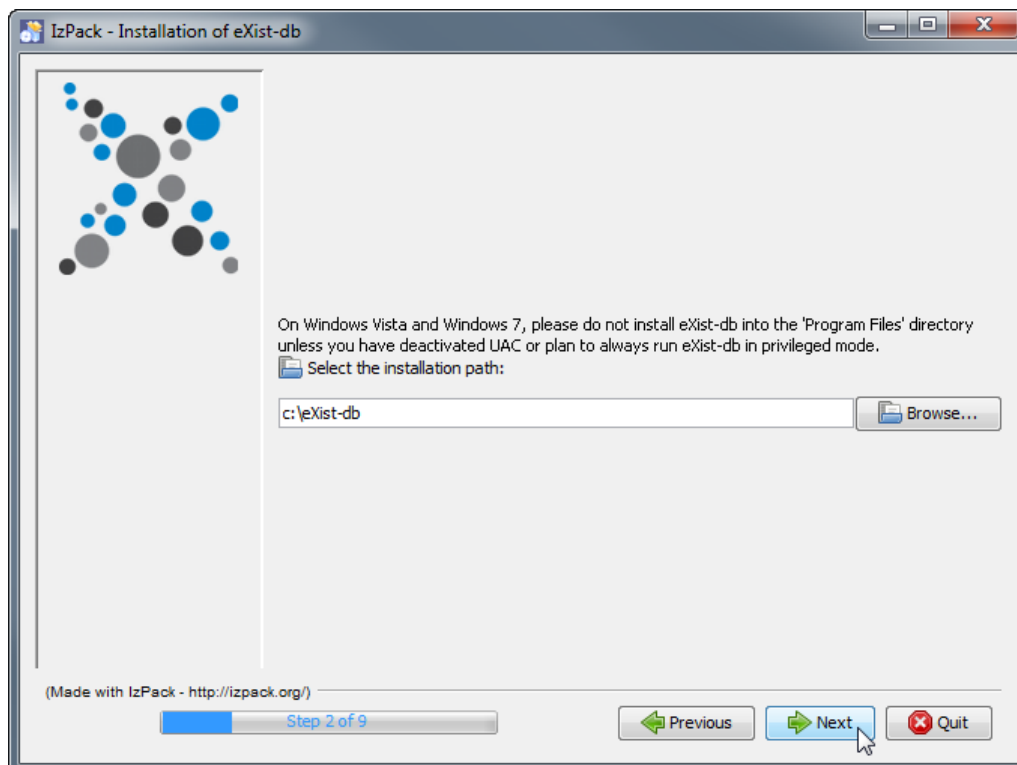


### 3. Installation

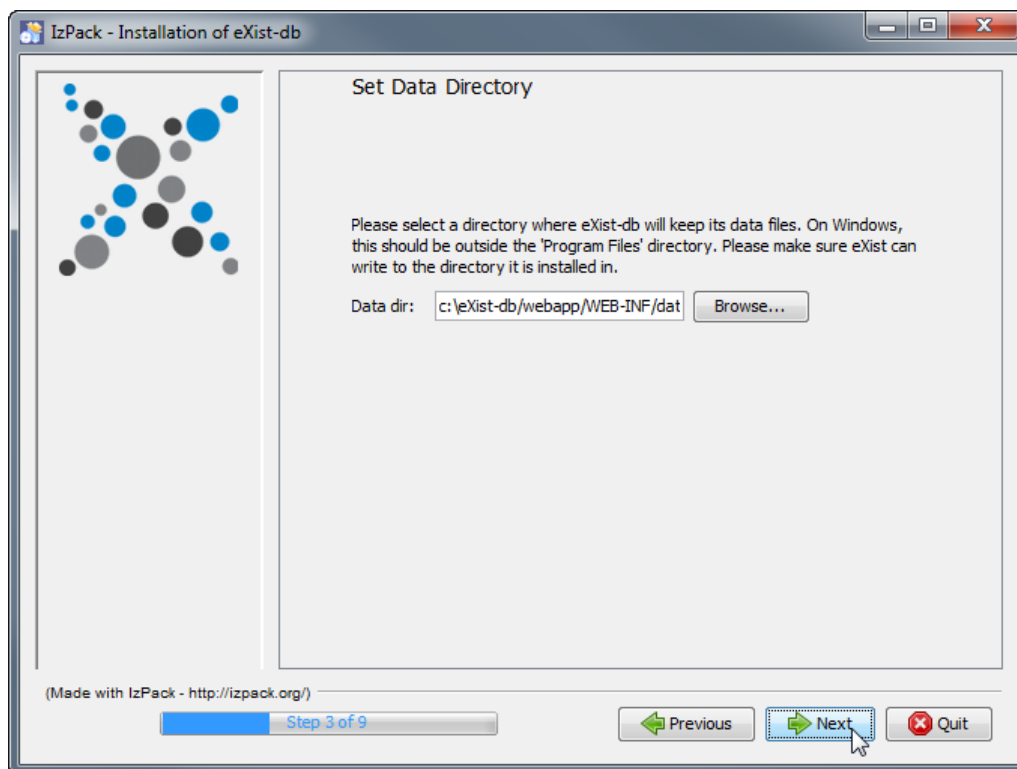
Double-click the installer file. The eXist-db installer opens.



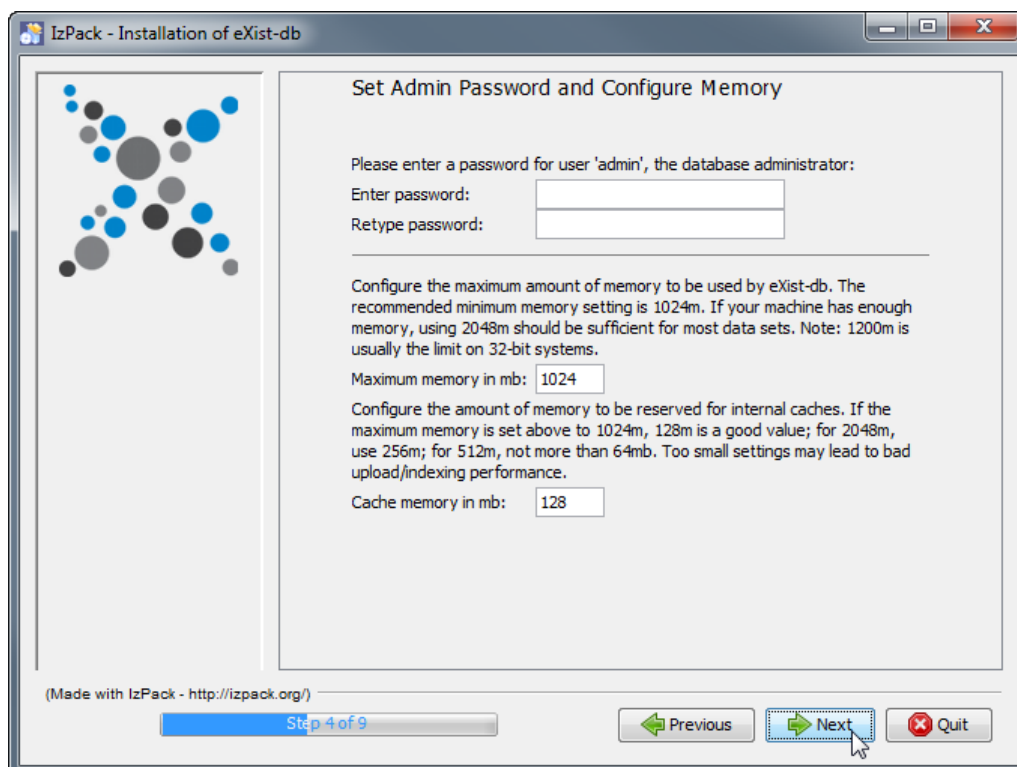
Click "Next".



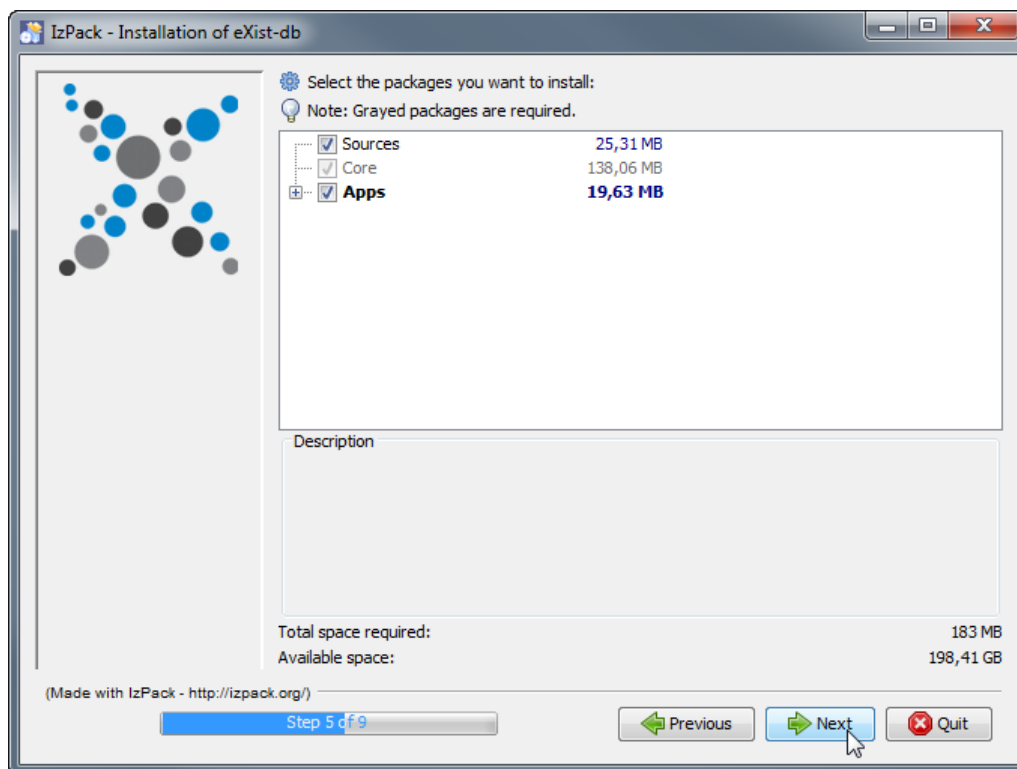
The recommended installation path on Windows is c:\exist-db. Click "Next".



Use the standard data directory. Click "Next".



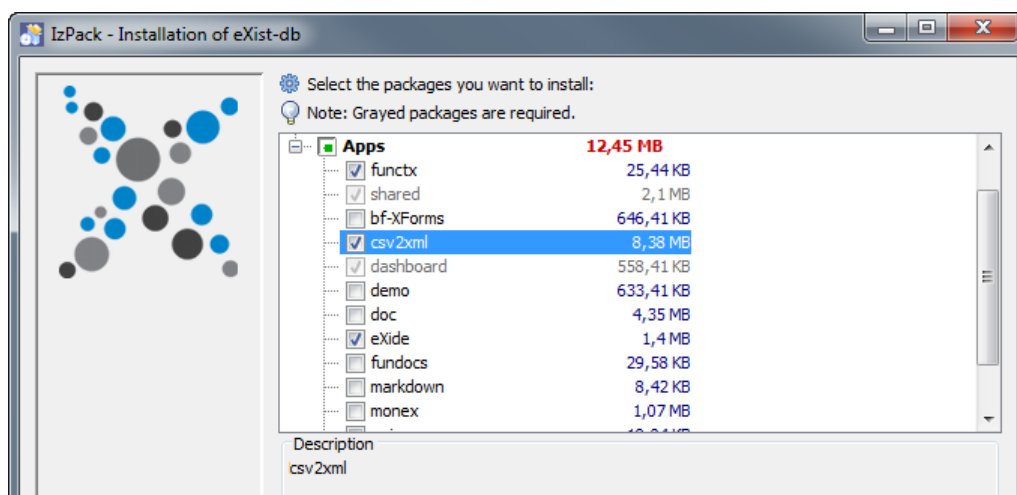
Add an admin password if you wish, or leave it blank. Click "Next".



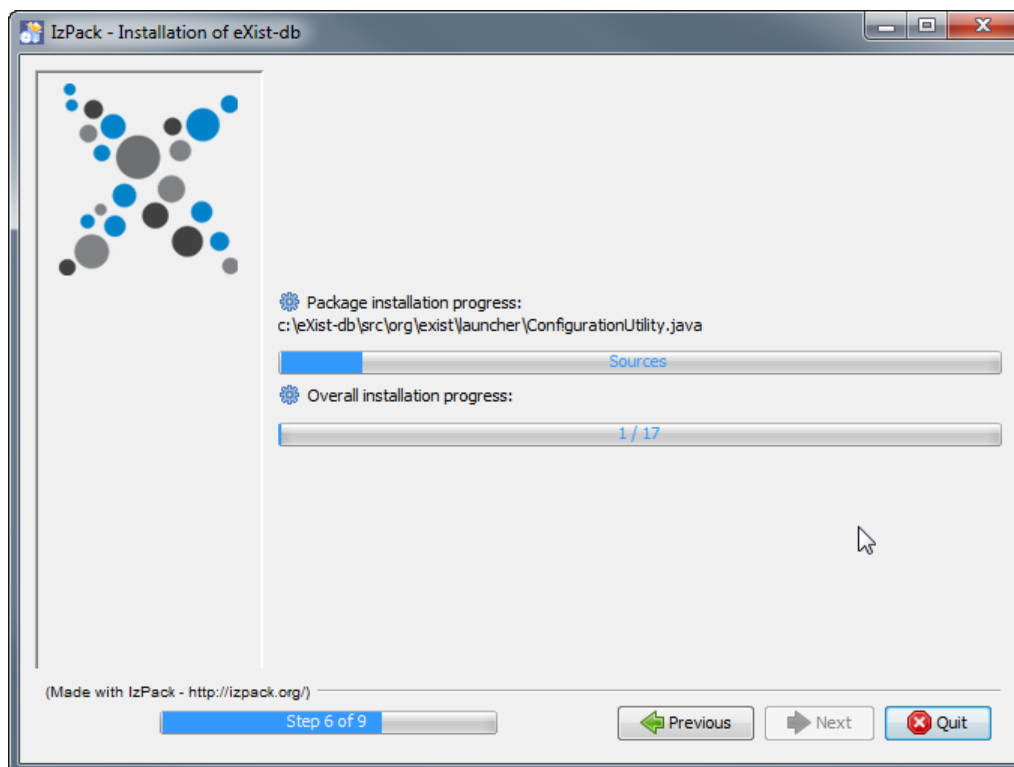
The standard eXist-db installation already includes some applications. These will only require about 20 MB additional space on your machine. You can just accept the standard list and click "Next".

Alternatively, you can expand the Apps list and disable individual applications. To run the Transform Tool you need to install:

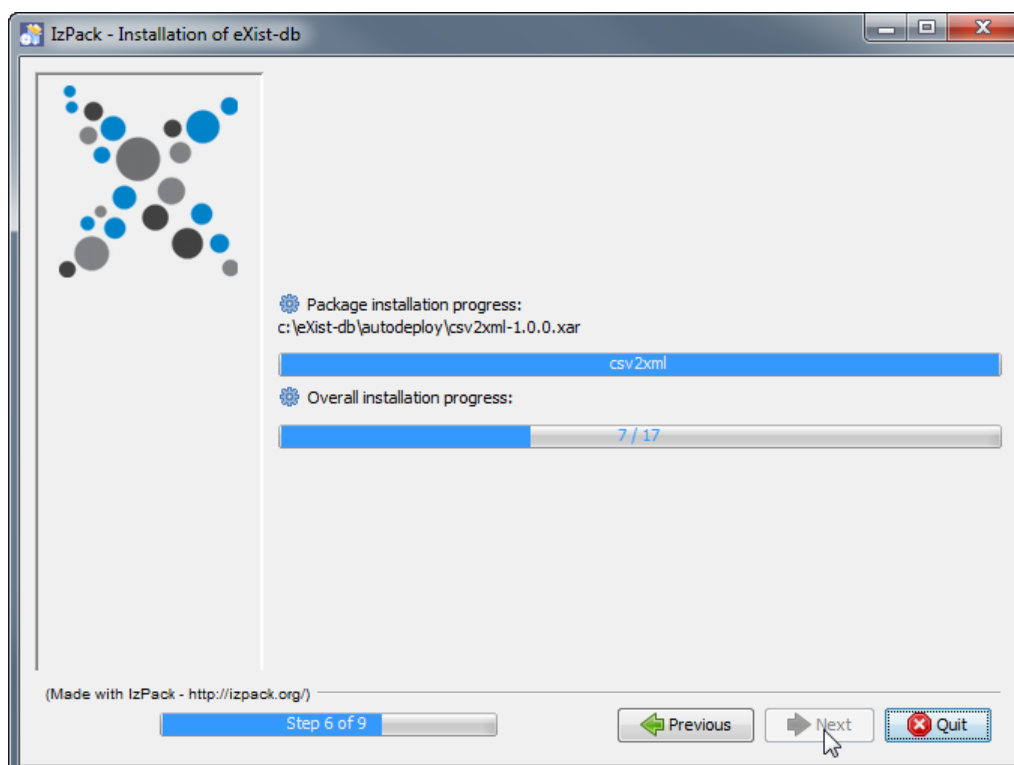
- csv2xml (this is the actual Transform Tool app)



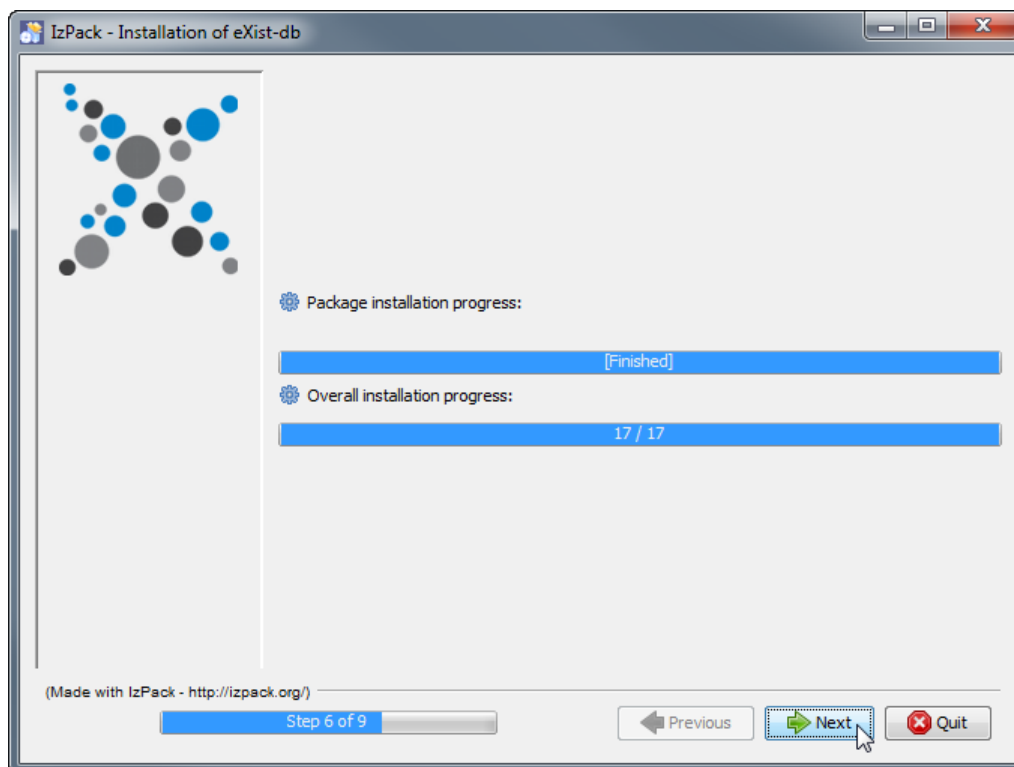
After selecting apps the next step starts the actual installation, which should not take longer than one to two minutes.



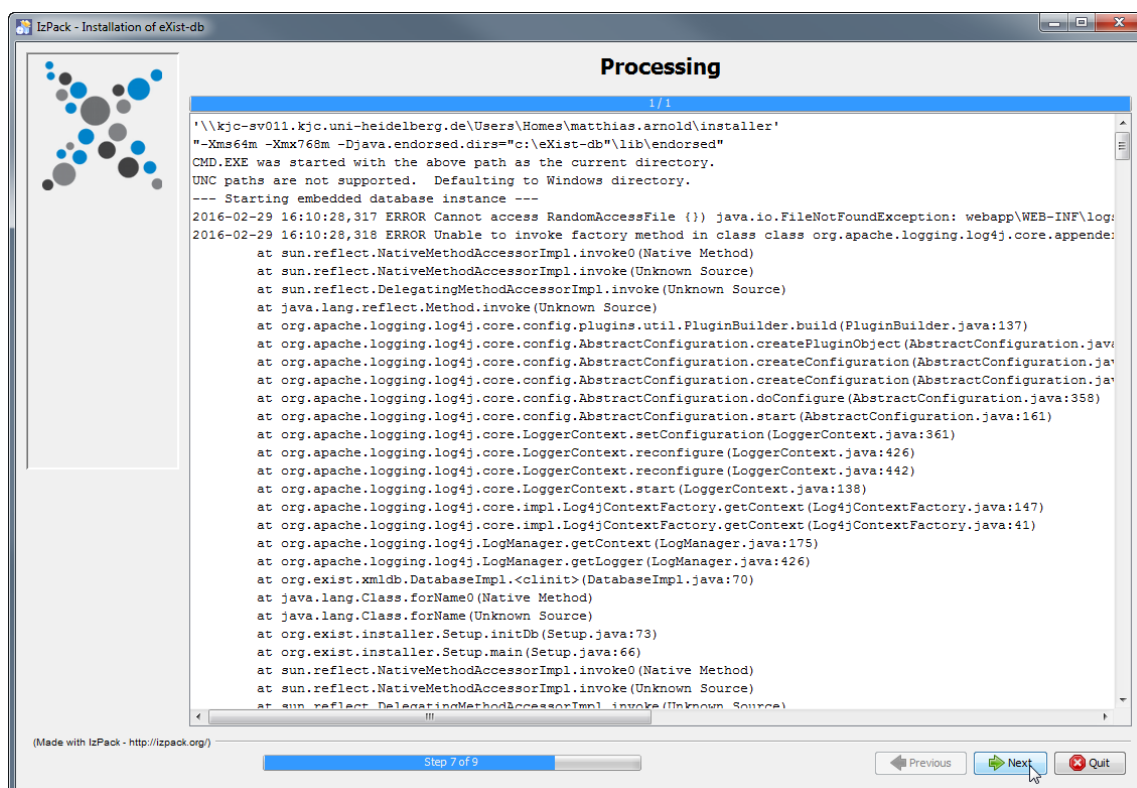
After installation of the database...



The selected applications are installed.

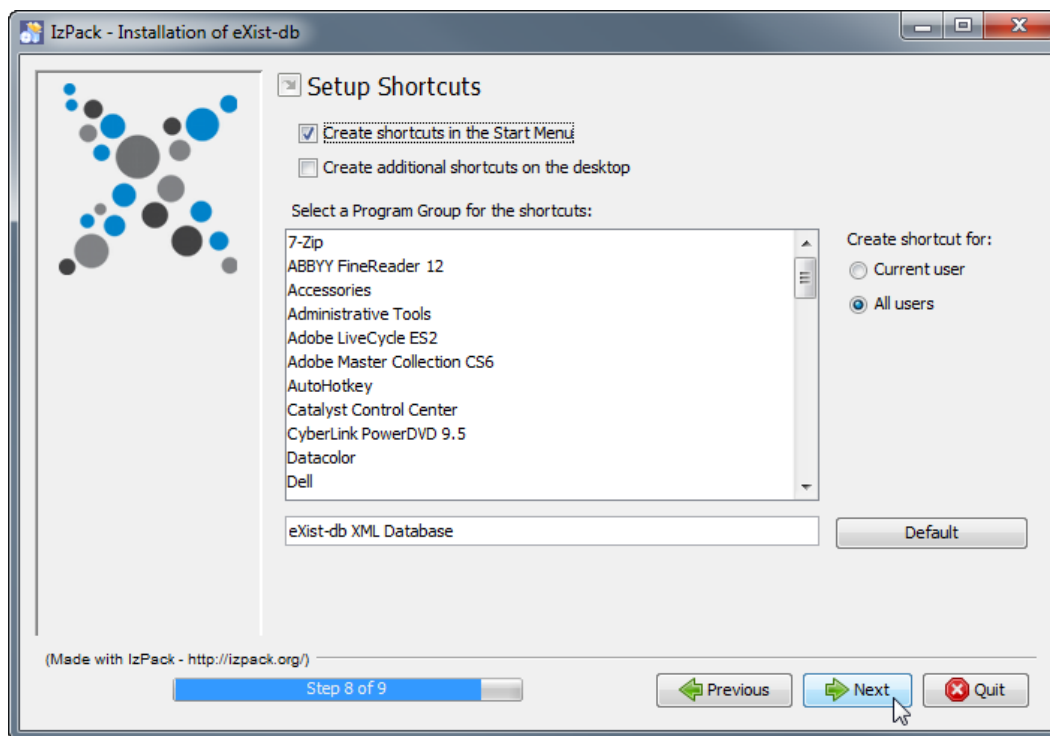


Once this process is finished, click "Next".

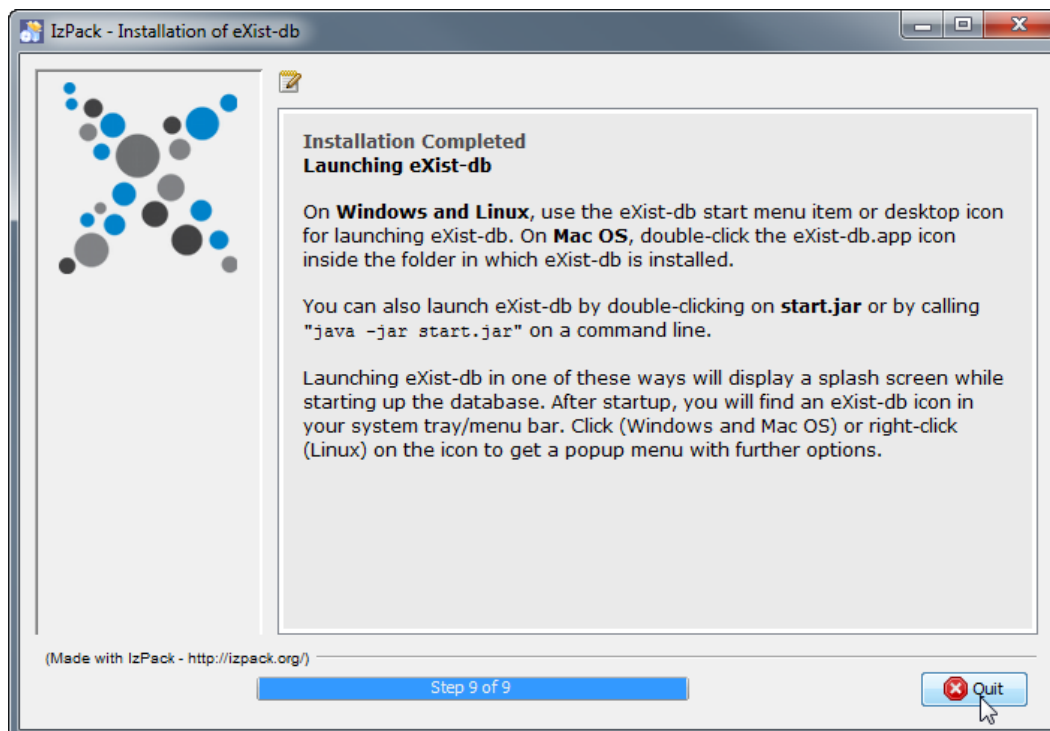


The "Processing" will contain a number of messages which usually can be ignored. Click "Next".





Confirm or adjust the shortcut settings, then click "Next".



Congratulations! You have successfully installed eXist-db and the Transform Tool.



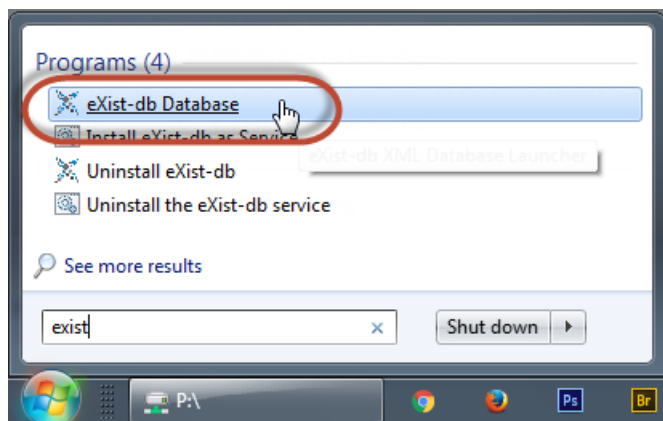
## 4. Running the Transform Tool

The transform tool is designed for online use. To run it locally, you need a local webserver, which comes with the eXist-db.

### 4.1. Starting eXist-db

To run the VRA Core 4 XML Transform Tool locally, you first need to start eXist-db.

On your PC, click "Start" and enter "exist" in the search slot.



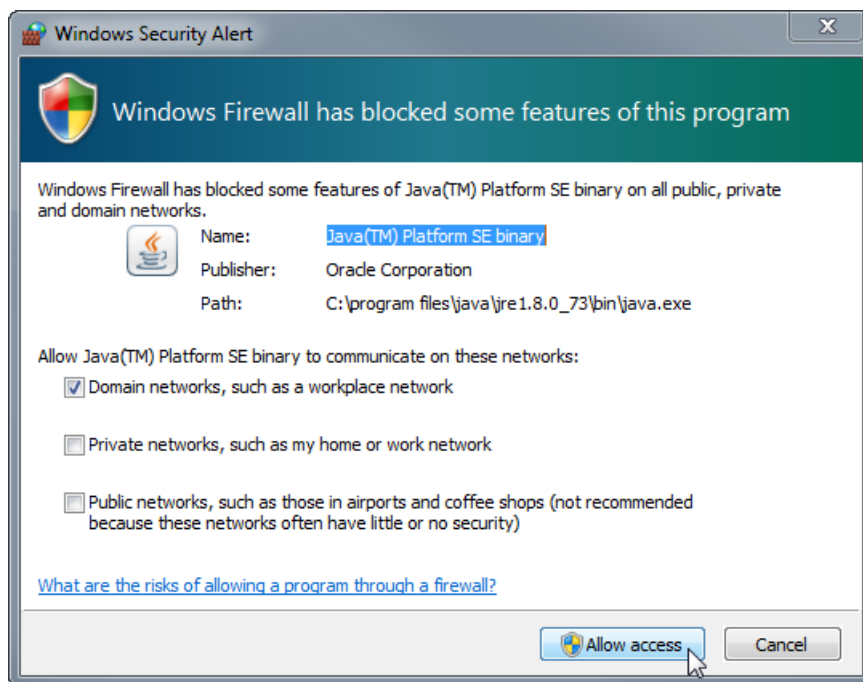
Click the "eXist-db Database" shortcut.



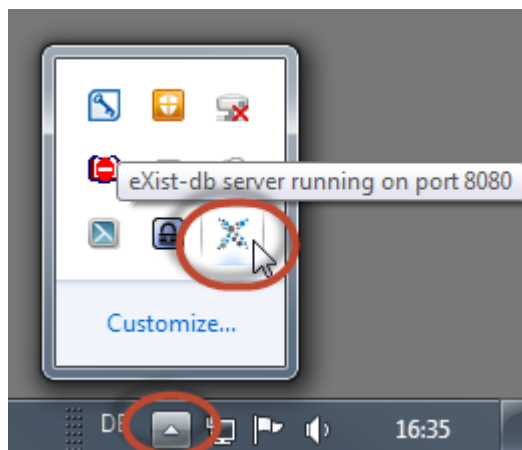
The database starts with a splash screen and initialises.



On first launch, the apps are installed.



If your local firewall shows a security alert, allow access for "java.exe".

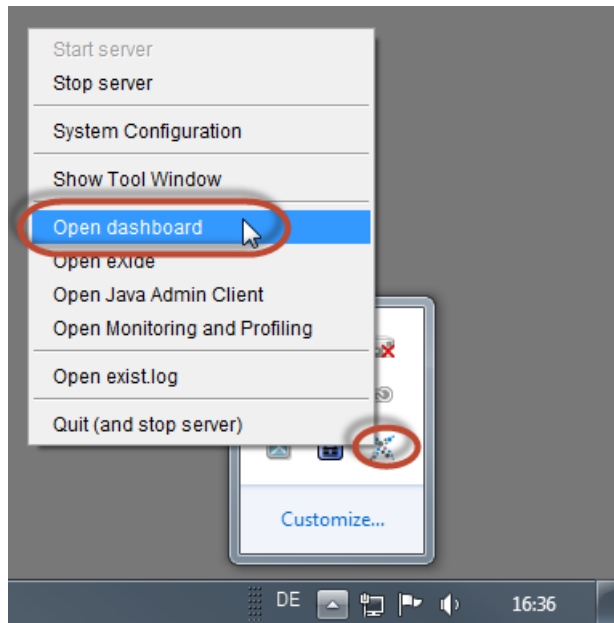


After eXist has initialized, it will show an icon in the system tray.



## 4.2. Starting the Transform Tool

After eXist-db is running, go to the system tray icon and right-click on it.

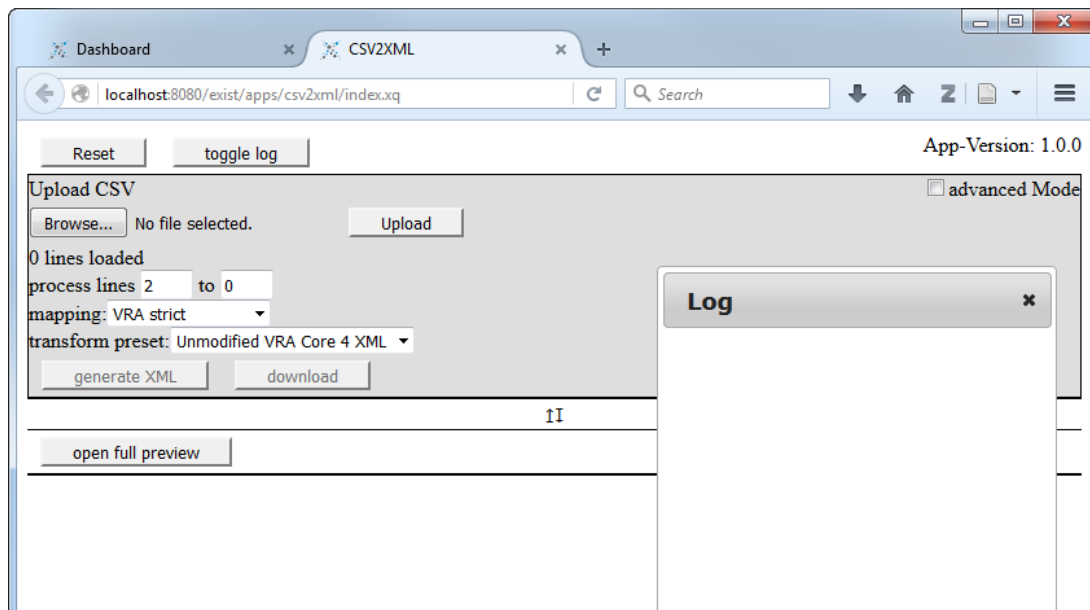


This opens a context menu. Select "Open dashboard".

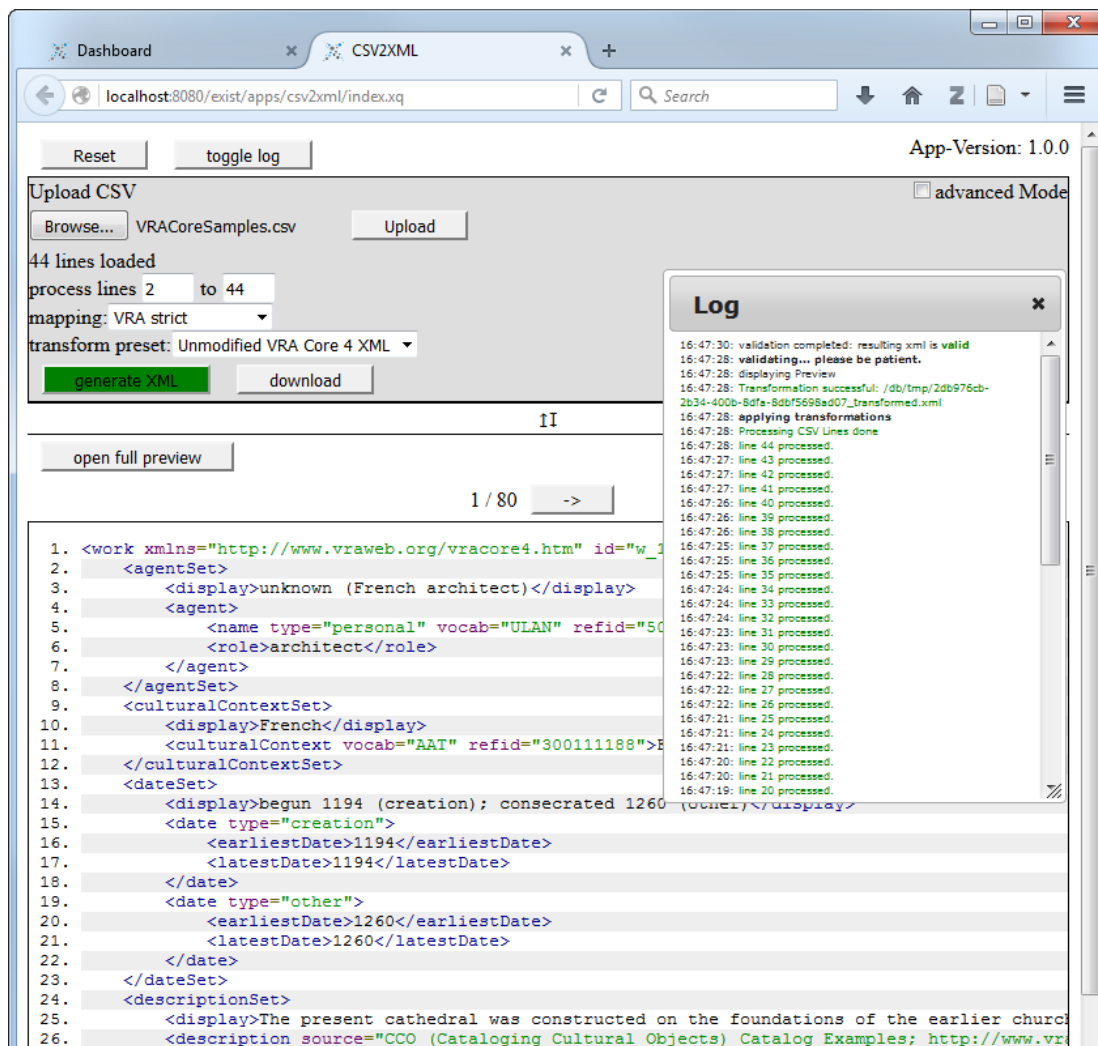


Use the "Dashboard" to use applications of eXist-db. It functions like a normal website, just without requiring Internet. Note that the web-address starts with "localhost:8080".

Click the "csv2xml" button to open your local instance of the Transform Tool.



The local instance usually runs at <http://localhost:8080/exist/apps/csv2xml/index.xq>.





## 5. Contact and further information

For instructions on how to use the VRA Core 4 Transform Tool please refer to the main [user guide on GitHub](#).

The [doc folder on GitHub](#) also contains related user guides (e.g. about how to convert excel data to csv data), the actual transform template (in .xlsx, .csv and .ods formats), and a sample data set.

If you have problems or questions please contact Matthias Arnold at [matthias.arnold@uni-hd.de](mailto:matthias.arnold@uni-hd.de).

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### Further links

Web-Portal of Heidelberg Research Architecture  
<http://hra.uni-hd.de/>

Ziziphus VRA Core 4 XML editor:  
<https://github.com/exc-asia-and-europe/ziziphus>  
Ziziphus - guidelines and help files:  
<http://ziziphus-help.uni-hd.de>

MediaLab Tutorials in Sharepoint (internal access)  
<https://sharepoint.urz.uni-heidelberg.de/vjc/kjc/hra/medialab/>