

# Chesar 3 installation manual

## Desktop (i.e. 'standalone') version



chesar



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### **Chesar 3 installation manual Desktop version**

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## Contents

<b>1. INTRODUCTION</b> .....	<b>4</b>
<b>2. PREREQUISITES</b> .....	<b>4</b>
2.1. HARDWARE REQUIREMENTS.....	4
2.2. SOFTWARE REQUIREMENTS.....	4
2.3. SECURITY .....	5
<b>3. INSTALL CHESAR 3 DESKTOP VERSION</b> .....	<b>5</b>
<b>4. MIGRATE CHESAR 2.3 TO CHESAR 3</b> .....	<b>5</b>
4.1. DOWNLOAD AND INSTALL THE 'CHESAR 2.3 TO CHESAR 3 MIGRATION TOOL' .....	5
4.2. CHECKS TO DO BEFORE RUNNING THE MIGRATION TOOL.....	5
4.3. RUN THE MIGRATION TOOL .....	6
<b>5. RUNNING CHESAR 3 DESKTOP</b> .....	<b>8</b>
<b>6. REGULAR BACKUPS</b> .....	<b>9</b>
<b>7. REPORTING ISSUES</b> .....	<b>10</b>

## 1. Introduction

Thank you for choosing to install the Chesar 3 application. Chesar is an application developed by the European Chemicals Agency (ECHA) to help companies carry out their chemical safety assessments (CSAs) and prepare their chemical safety reports (CSRs) and exposure scenarios (ES) for communication in the supply chain. This document will guide you through the steps required to install and configure Chesar 3 desktop version, and covers 2 situations:

- You do not have any version of Chesar installed, and you want to install Chesar 3.
- You already have Chesar v2.3 installed, and you want to upgrade to Chesar 3.

If you have any other situation, or in case you encounter problems when installing or using Chesar please contact our helpdesk: <http://echa.europa.eu/contact/helpdesk-contact-form>

## 2. Prerequisites

If you have Chesar 2.3 data, **please make sure that all your data is safely backed up.** After you have backed-up your data, you will need to migrate the data using the migration tool (see section 4: Migrate Chesar 2.3 to Chesar 3).

 In case you are one of the companies that assisted ECHA in performing testing/evaluation of beta versions of the Chesar and migration tool software, please remember that you must **not** reuse any of the data that you generated during this beta testing, in this new version of Chesar. This might corrupt your Chesar data.

### 2.1. Hardware requirements

Minimum hardware recommendations for a machine running Chesar 3 desktop application:

	Characteristics	Value
Client machine	CPU/Cores	Dual Core/ 2.0 GHz
	Memory	4 GB
	Free disk space	300 MB

### 2.2. Software requirements

Chesar 3 desktop package comes with an included Windows compatible Java 8 JRE. If you want to run Chesar on a different operating system, please download and install Java from <http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html>.

Chesar 3 desktop package already includes the database software (Derby version 10.12) and the application server software (Tomcat version 8) therefore there is no need for you to install separately a database or application server.

Chesar 3 desktop package has been tested using the following:

Software	Product	Version	Source
Operating System	Microsoft Windows	7, 8, 10	
	Linux		
Java	JRE	8	<a href="http://www.oracle.com/technetwork/java/javase/downloads/index.html">http://www.oracle.com/technetwork/java/javase/downloads/index.html</a>
Browser	Internet Explorer	11	<a href="https://www.microsoft.com/en-gb/download/internet-explorer.aspx">https://www.microsoft.com/en-gb/download/internet-explorer.aspx</a>
	Mozilla Firefox		<a href="https://www.mozilla.org/en-GB/firefox/new/">https://www.mozilla.org/en-GB/firefox/new/</a>
	Chrome		<a href="https://www.google.com/chrome/browser/desktop/index.html">https://www.google.com/chrome/browser/desktop/index.html</a>

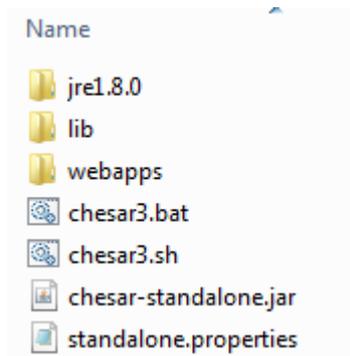
## 2.3. Security

The Chesar application contains a basic username / password feature aimed at reducing the risk of accidental modification of data. This functionality is not intended to protect against wilful or malicious attempts to gain access to or modify data. Chesar must be installed within a securely protected environment.

## 3. Install Chesar 3 desktop version

Download the Chesar desktop package (Chesar-Desktop-3.0.0.zip) from the Chesar website (<https://chesar.echa.europa.eu/>) to your computer.

Unzip the downloaded file. The unzipped folder is the Chesar installation folder: *Chesar-Desktop-3.0.0*. The expected content is the following:



If you are already a Chesar user (i.e. if you have data in your Chesar 2.3), you need to use the migration tool (see section 4: [Migrate Chesar 2.3 to Chesar 3](#)) before running Chesar 3.

If you do not have any Chesar 2.3 installation or if you do not want to transfer the data from your Chesar 2.3 installation then you can proceed directly to section 5: [Running Chesar 3 Desktop](#).

## 4. Migrate Chesar 2.3 to Chesar 3

This step is needed in case you want to transfer the data available in Chesar 2.3 to Chesar 3.

### 4.1. Download and install the 'Chesar 2.3 to Chesar 3 migration tool'

Once you downloaded the migration tool (chesar-migration-tool-1.0.0.zip) from Chesar website (<https://chesar.echa.europa.eu/>) to your computer, you need to unzip it.

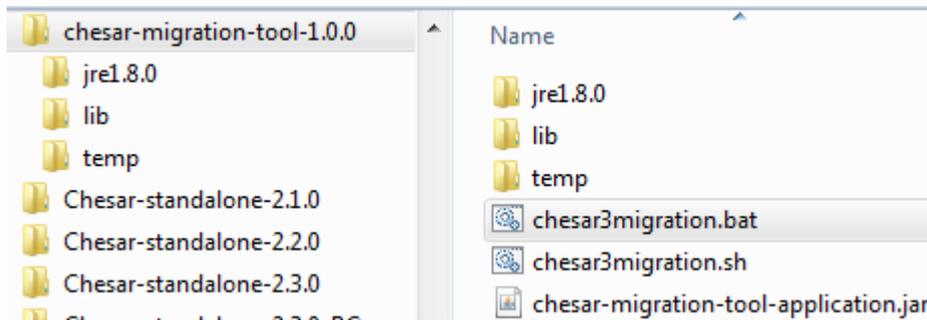
### 4.2. Checks to do before running the migration tool

1. Make sure that Chesar 2.3 application is stopped.
2.  In case you did not yet do so, **please make sure that all your data is safely backed up.**
3. Please do not start Chesar 3 before running the migration tool. If you had already started Chesar 3, you must first delete the database. Do this by removing the *chesar3-db* folder found in the installation folder (e.g.: *C:\Chesar-Desktop-3.0.0*)

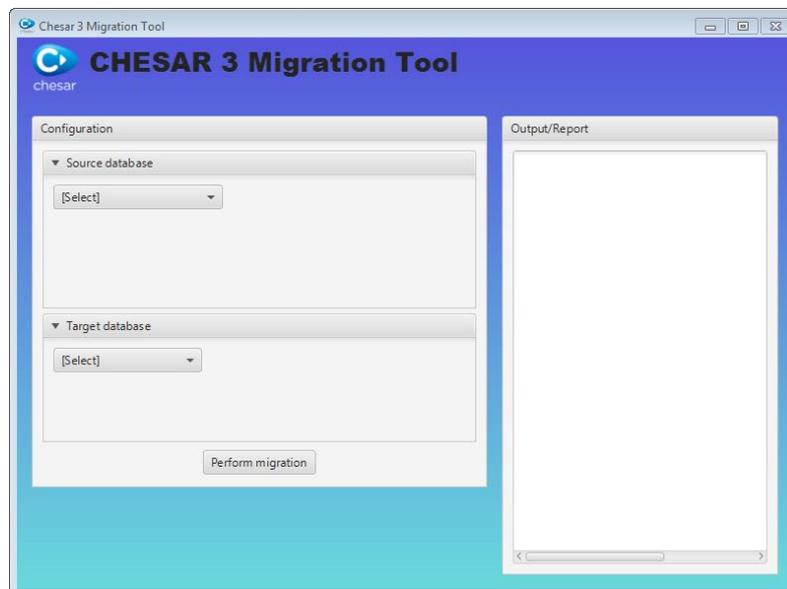
**Advise:** we would advise you to "clean" your library (Box 6) before migrating your database. For example delete determinant types which are not relevant (obsolete and not in use) or which have no Author.

### 4.3. Run the migration tool

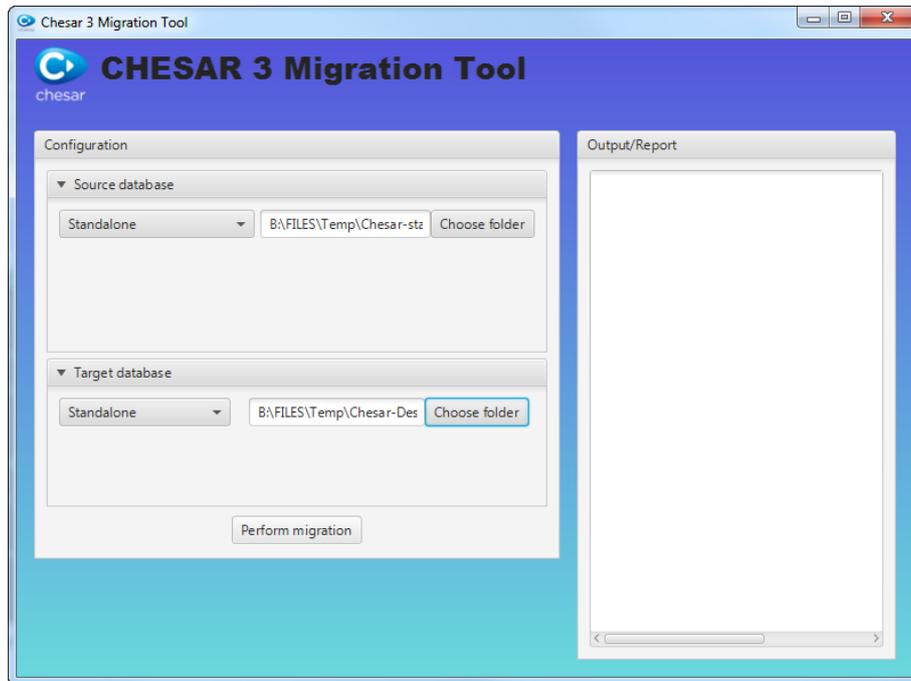
1. Go to the **migration tool installation folder**, i.e. where you have unzipped the migration tool e.g.: C:\chesar-migration-tool-1.0.0
2. Double-click **chesar3migration.bat**



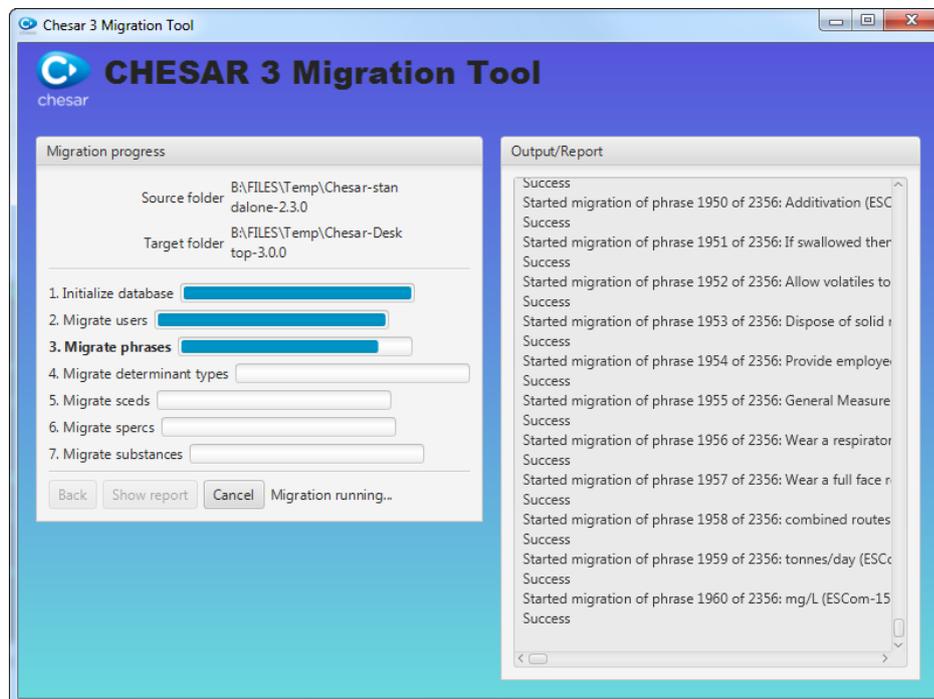
3. The dialog below should appear (the start-up time can take a couple of seconds max ~ 1 minute)



4. Configure source and target database for the migration:
  - a. **Source database:** select *Standalone* in the picklist and choose the **Chesar 2.3 installation folder** (e.g.: C:\Chesar-standalone-2.3.0) by clicking the *Choose folder* button
  - b. **Target database:** select *Standalone* and choose the **Chesar 3 installation folder** (e.g.: C:\Chesar-Desktop-3.0.0) by clicking the *Choose folder* button
5. Press **Perform migration** button to start the migration process.

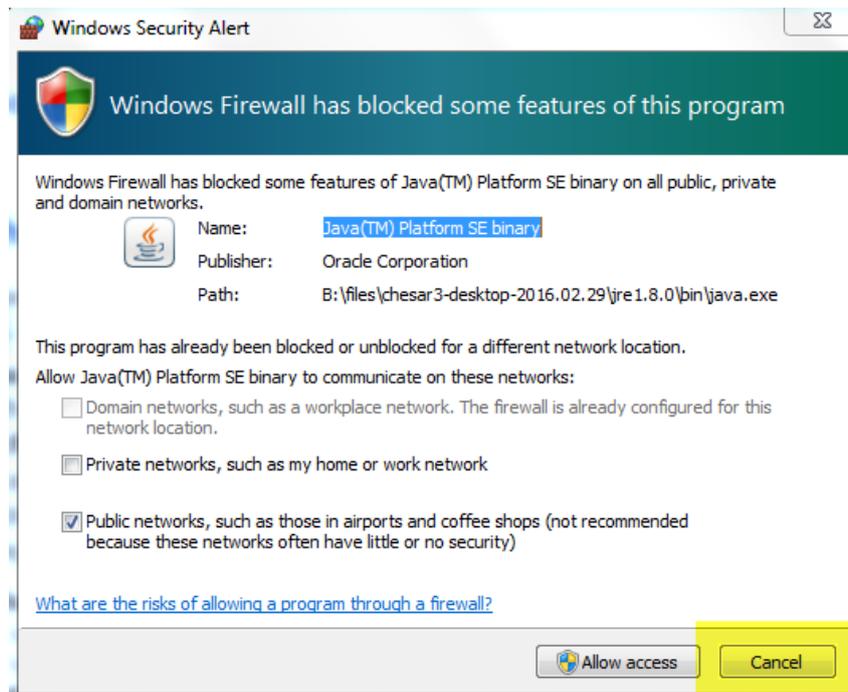


6. You can follow the migration step-by-step on the user interface of the migration tool. The time needed for completing the migration depends on the size of your Chesar 2.3 database. Factors that will influence the time taken to migrate your database include the number of substances, the number of contributing activities for each use and to the number of SCEDs/SpERCs/determinants defined. The migration may last from few minutes to few hours.



7. When the migration is finished, a migration report pops up. In this report, you will find a summary of what has been successfully migrated and what errors were encountered during the migration.





3. The dialog below should appear. Wait until the *Open Browser* button becomes enabled



4. Click the **Open Browser** button. Chesar 3 opens in your default browser. **If you want to use a different browser** from the default one, open your preferred browser and enter the following address in the URL bar: <http://localhost:8010/index.html>
5. **Login:** If you have migrated your data from Chesar 2.3 to Chesar 3, the username / password for Chesar 3 will be the same as the one that you used for Chesar 2.3. If on the other hand you have not migrated data from Chesar 2.3 to Chesar 3, then please log in using the default username/password: **admin/admin**. After logging in with admin/admin you may at any point create additional users via Box 7.

## 6. Regular backups

Your data is precious! In the same way as any other application, it is prudent to take periodic backups of the data. For example you could make a copy of the folder named **chesar3-db** and all of its content, and store this copy somewhere outside of the Chesar installation folder. Please store your backups in a safe location - without this backup you are at risk of losing data. Your ICT contact point should be able to give you more advice on how to back-up your data.

## 7. Reporting issues

In case you encounter problems or wish to give other feedback, please use the ECHA online contact form: <https://echa.europa.eu/contact/helpdesk-contact-form>.

If the issue you are reporting concerns a **problem with installing or running of Chesar**, please collect and send us the Chesar log files which can be found on your PC at:

...\Chesar-Desktop-3.0.0\chesar3-logs

If the issue you are reporting concerns a **problem with migrating data**, please collect and send us the Migration log files which can be found on your PC at:

...\chesar-migration-tool-1.0.0\chesar3-logs

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