

nmCollector.net LLC

## **NM Collector JE To CP Data Migration**

---

# Table of Contents

General Concepts.....	2
Data Migration Path .....	2
CP JE Export Application .....	2
Step 1 – Download the nmCollectorCP_JE_Export Application.....	2
Step 2 – Extract nmCollectorCP_JE_Exp.jar.....	3
Step 3 – Run the nmCollectorCP_JE_Export Application.....	3
Step 4 – Export your JE Data.....	5
Step 5 – Import Data into CP .....	6



# Introduction

*Transfer your data.*

Obviously, when switching from one program to another, it is important to preserve your data. This is a key operating principle of nmCollector.net LLC. When developing NM Collector JE to replace NM Gun Collector, a migration path was provided to transfer data from NM Gun Collector to NM Collector JE. It is no different with the development of NM Collector Software CP.

## References

*Some useful resources can be found on these pages.*

- Lots of usage hints and information at:  
<https://www.nmcollector.net/blog>
- NM Gun Collector Software: <https://www.nmcollectorsoftware.org/>
- NM Collector JE Software: <https://nmcollectorsoftware.com/>
- NM Collector CP Software: <https://nmcollectorsoftware.us/>
- NM Collector Software Support Desk:  
<https://nmcollector.atlassian.net/servicedesk/customer/portals>

# General Concepts

## *Available data migration paths*

**Y**our NM Collector Software data is stored in a database. A Microsoft Access database was used for the old NM Gun Collector Software. JavaDB (Derby) database is used for NM Collector Software JE. A SQLite database is used in NM Collector Software CP. Not only are different databases used but the underlying NM Collector Software database designs have changed as well. These changes drive the need for a path to migrated data from one database to the other.

### **Data Migration Path**

There are many possible technological paths to use for this data migration. Data migration can be done with database tools and/or custom software. Custom software can be developed to read data from one database and directly write that data to another. An alternative approach is to extract the data from one database and store it externally and then read the data from that external source into the other database.

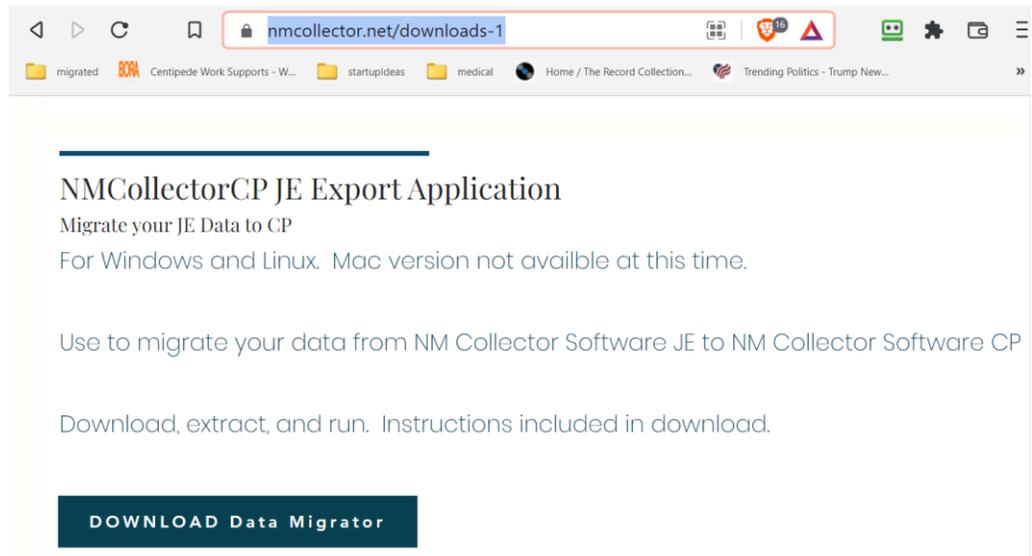
## CP JE Export Application

*Using the stand alone tool for a more complete transfer of JE data.*

**S**ince the built in JE feature does not export all of the data, the nmCollectorCP\_JE\_Exp application was developed. This application exports JE data in the same format that the CP program itself exports data. It includes all data AND field captions. Field captions are included in the exported collection templates. The importation of field captions into CP is optional and not needed in most cases.

In order for this import to be successful, it must first clear all of the data in your current NM Collector CP application. If this is a fresh install it will just remove the sample data. If you have entered data into the CP application that data will be lost. You cannot merge existing data with data you export from JE using this method.

### **Step 1 – Download the nmCollectorCP\_JE\_Export Application**



Download the nmCollectorCP\_JE\_Exp zip file for your operating system from <https://www.nmcollector.net/downloads-1> and extract the contents to a local directory on your computer.

## Step 2 – Extract nmCollectorCP\_JE\_Exp.jar

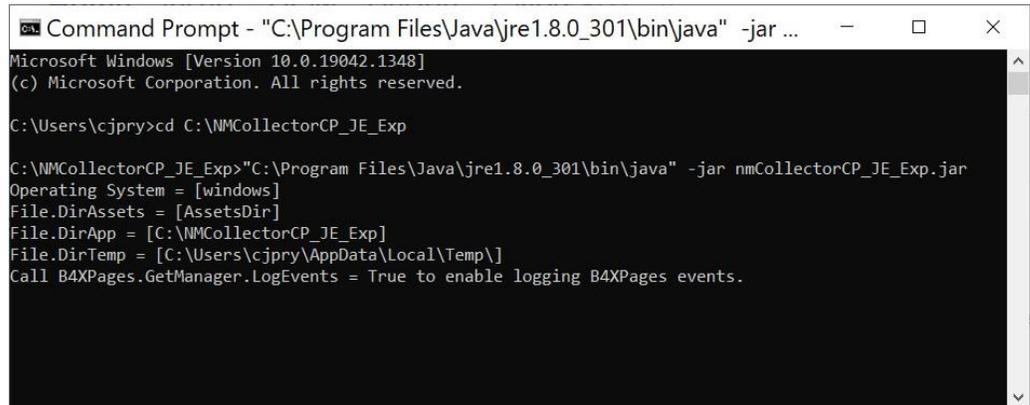
NOTES:

1. On Windows it does not matter where you place the nmCollectorCP\_JE\_Exp.jar file.
2. On Linux, please extract the nmCollectorCP\_JE\_Exp.jar file to the same location as your NMCollectorCP.jar file.

## Step 3 – Run the nmCollectorCP\_JE\_Export Application

**Prerequisite:** you must have Java 8 installed on your computer.

1. Download and install the latest Java 8 from here: <https://java.com/en/download/manual.jsp>
2. Locate where it was stalled. On windows it was most likely installed at "C:\Program Files\Java\jre1.8.0\_???\bin\". You will need that information to run nmCollectorCP\_JE\_Export where ??? is the version number.



```
Command Prompt - "C:\Program Files\Java\jre1.8.0_301\bin\java" -jar ...
Microsoft Windows [Version 10.0.19042.1348]
(c) Microsoft Corporation. All rights reserved.

C:\Users\cjpry>cd C:\NMCollectorCP_JE_Exp

C:\NMCollectorCP_JE_Exp>"C:\Program Files\Java\jre1.8.0_301\bin\java" -jar nmCollectorCP_JE_Exp.jar
Operating System = [windows]
File.DirAssets = [AssetsDir]
File.DirApp = [C:\NMCollectorCP_JE_Exp]
File.DirTemp = [C:\Users\cjpry\AppData\Local\Temp\]
Call B4XPages.GetManager.LogEvents = True to enable logging B4XPages events.
```

### Run nmCollectorCP\_JE\_Exp.jar

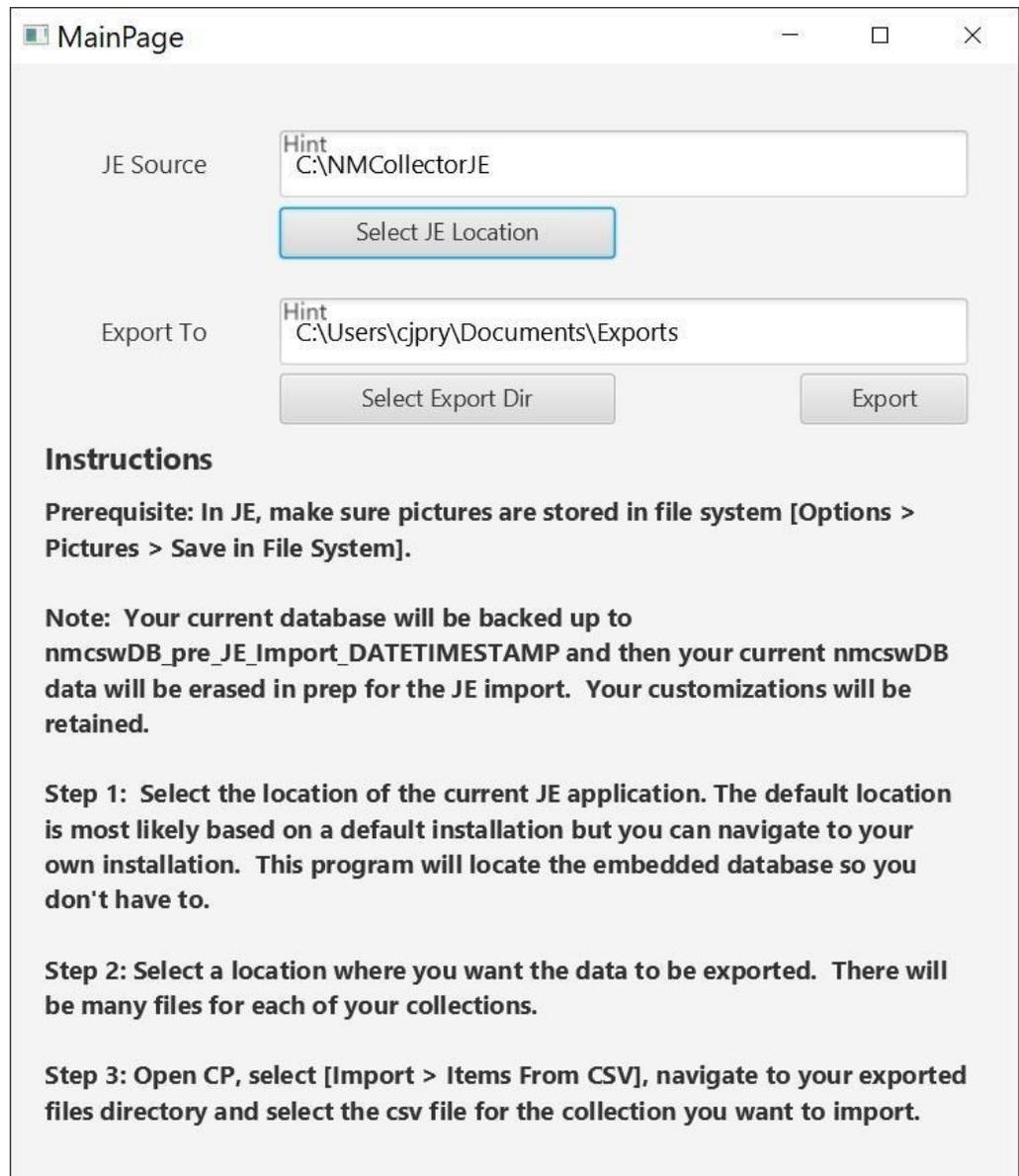
1. Open a Command Prompt in Windows or a Terminal in Linux

NOTE: due to Apple restrictions against old technology, this tool is not currently available for the Mac.

2. Navigate to where the nmCollectorCP\_JE\_Exp.jar file was exported
3. Enter the following command adjusted for where your copy of Java 8 is installed. In the example below, the Java 8 java.exe is located at "C:\Program Files\Java\jre1.8.0\_311\bin\" and the executable jar is named nmCollectorCP\_JE\_Exp.jar.

**"C:\Program Files\Java\jre1.8.0\_301\bin\java" -jar nmCollectorCP\_JE\_Exp.jar**

## Step 4 – Export your JE Data



The screenshot shows a window titled "MainPage" with standard Windows window controls (minimize, maximize, close). The interface is divided into two main sections for configuration:

- JE Source:** A text input field containing "C:\NMCollectorJE" with a "Hint" label above it. Below the field is a button labeled "Select JE Location".
- Export To:** A text input field containing "C:\Users\cjpry\Documents\Exports" with a "Hint" label above it. Below the field are two buttons: "Select Export Dir" and "Export".

**Instructions**

**Prerequisite:** In JE, make sure pictures are stored in file system [Options > Pictures > Save in File System].

**Note:** Your current database will be backed up to nmcswDB\_pre\_JE\_Import\_DATETIMESTAMP and then your current nmcswDB data will be erased in prep for the JE import. Your customizations will be retained.

**Step 1:** Select the location of the current JE application. The default location is most likely based on a default installation but you can navigate to your own installation. This program will locate the embedded database so you don't have to.

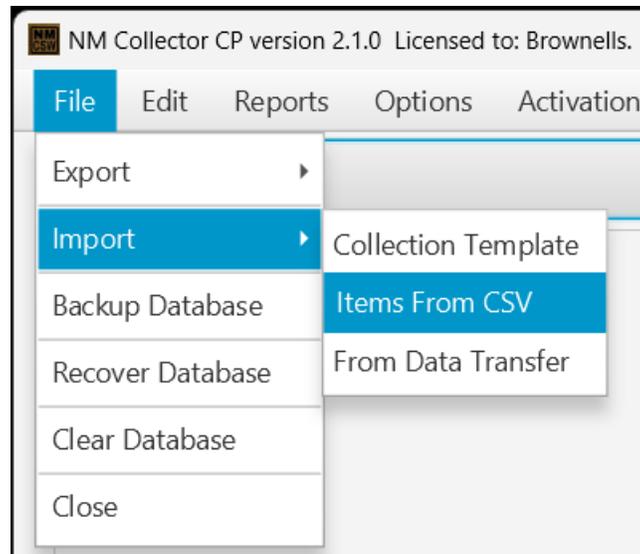
**Step 2:** Select a location where you want the data to be exported. There will be many files for each of your collections.

**Step 3:** Open CP, select [Import > Items From CSV], navigate to your exported files directory and select the csv file for the collection you want to import.

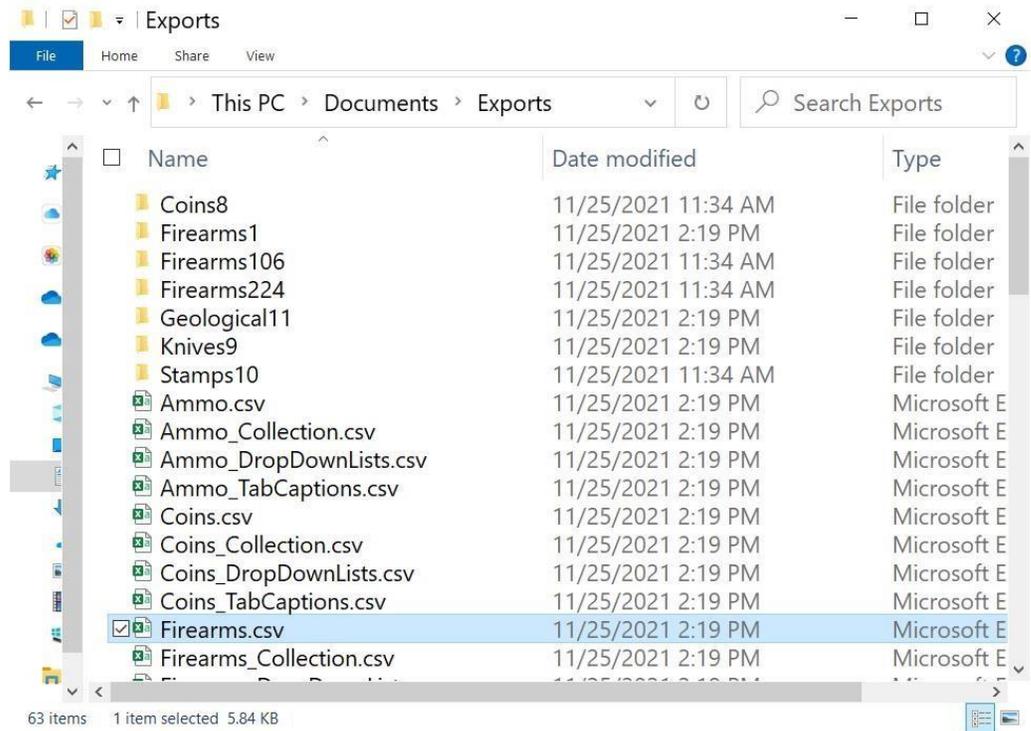
Select your JE application directory and the location you wish to export the JE data to and click the Export button. Data will be exported as many .csv files for each collection. Pictures will be stored in the same location in folders named after a behind the scenes identifier for each item.

## Step 5 – Import Data into CP

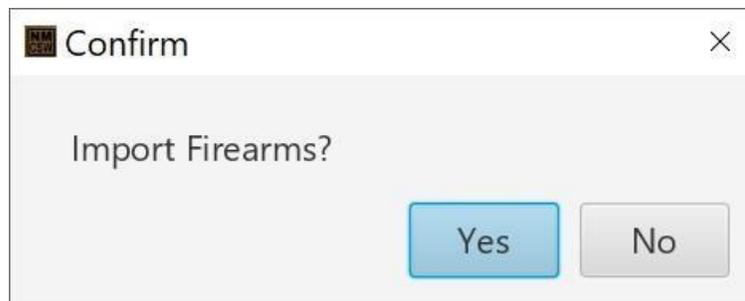
NOTE: You can also import your collections and their customizations by selecting the [collectionName]\_Collections.csv file for the collection you wish to import. That step is optional and most likely not necessary. Importing a collection template for an existing collection in CP might cause some fields in CP to disappear.



- a. Start CP and select [File > Import > Items From CSV].



b. Navigate to the location of the exported data and select the .csv file for the data you want to import.



c. Select "Yes" to start the import.