



MapInfo User Dictionary Utility Product Guide

MapMarker provides the MapInfo User Dictionary Utility to guide you through the User Dictionary creation process. This graphical creation tool simplifies the steps for creating, configuring, and deploying User Dictionaries.

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September 2007

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MapInfo User Dictionary Utility Capabilities and Requirements

The MapInfo User Dictionary Utility is an easy-to-use utility that simplifies the steps for creating, configuring, and deploying User Dictionaries. The MapInfo User Dictionary Utility can be installed as one of the available SDK features with your MapMarker Server product. In that case, the Utility will be installed and ready to use when you finish installing MapMarker. The utility can also be downloaded from the MapInfo [Geocoding web site](#).

The MapInfo User Dictionary Utility can be used with the following versions of MapMarker:

MapMarker for each EMEA country	version 4
MapMarker Plus USA	version 13
MapMarker Canada	version 8

If the MapInfo User Dictionary Utility was not shipped with your MapMarker product, you can download it from the MapInfo web site. You must then install and optionally configure the Utility before you can use it to create custom User Dictionaries.

You can use either of the following strategies for downloading and installing and using the MapInfo User Dictionary Utility:

- Download and install a separate MapInfo User Dictionary Utility for each MapMarker country for which you plan to create a User Dictionary. This means that you will have multiple installations of the MapInfo User Dictionary Utility, and each one is used with a separate MapMarker country.
- Download and install one copy of the MapInfo User Dictionary Utility to be used with multiple installations of MapMarker. This means that you will have a single installation of the MapInfo User Dictionary Utility, and will configure it to create User Dictionaries for each version of MapMarker. The configuration procedures are described in [Configuring the User Dictionary Utility for Other Countries on page 5](#).

Operating Requirements

The MapInfo User Dictionary Utility generally has the same operating requirements as MapMarker.

- JVM 1.4.2 or later
- 512 MB memory

The Utility runs on the same operating systems as MapMarker

- Microsoft Windows
- Solaris
- HP-UX
- Red Hat Linux
- SUSE Linux

Downloading and Installing the MapInfo User Dictionary Utility

If the MapInfo User Dictionary Utility is built into your MapMarker product, you can select the Utility during the MapMarker installation procedure. The Utility will be listed with the SDK group of features. If you did not initially install the MapInfo User Dictionary Utility, you can perform a Modify installation to install the Utility at a later date.

If the MapInfo User Dictionary Utility is not provided with your country version of MapMarker, you can download the Utility from the MapInfo [Geocoding web site](#). After downloading the installer to your computer, follow the instructions below to run the installer. You can also download the Product Guide documentation (this document) from <http://reference.mapinfo.com/>.

1. Begin the installation procedure as follows, depending on whether you are installing on Windows or on UNIX/Linux:
 - On Microsoft Windows, run the install.exe program that you downloaded.
 - On Solaris, Linux, or HP-UX, run the command:

```
sh install.bin
```

Note: If the installer does not start or exits unexpectedly, it means that the installer could not find a valid JVM. In that case, run the installer with one of the following commands to manually specify the JVM.

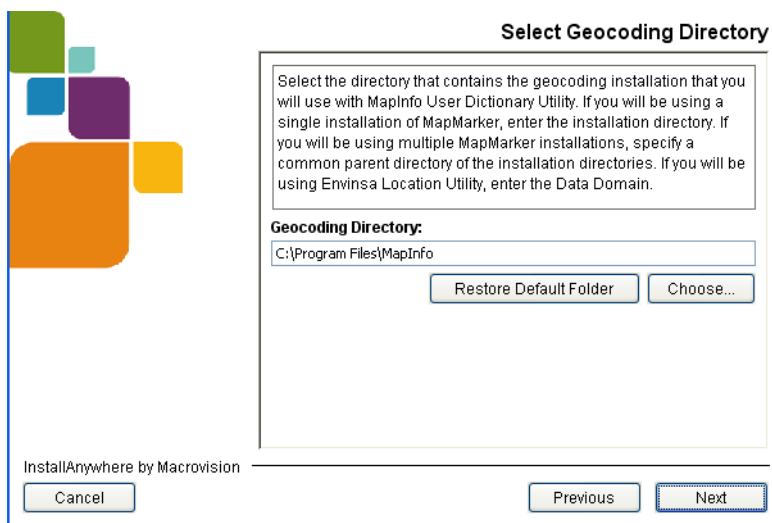
```
install.exe JVM_PATH "C:\JavaHome\bin\java.exe"
```

Or:

```
sh install.bin JVM_PATH /JavaHome/bin/java
```

where *JavaHome* is the directory of the JVM to be used to run the installer. This JVM must be version 1.4.2 or greater.

2. In the Introduction dialog, click **Next** to display the License Agreement dialog.
3. After reading the License Agreement, click **I accept the terms of the License Agreement**, and then click **Next** to display the Select Geocoding Directory dialog.
4. In the Select Geocoding Directory dialog, specify a directory that contains the geocoding installations that you will use with the MapInfo User Dictionary Utility. This could be the directory that contains one or more installations of MapMarker (for example, C:\Program Files\MapInfo) or the Data Domain if you will be geocoding using the Envinsa Location Utility. You can accept the default directory or click **Choose** to navigate to an alternative directory.

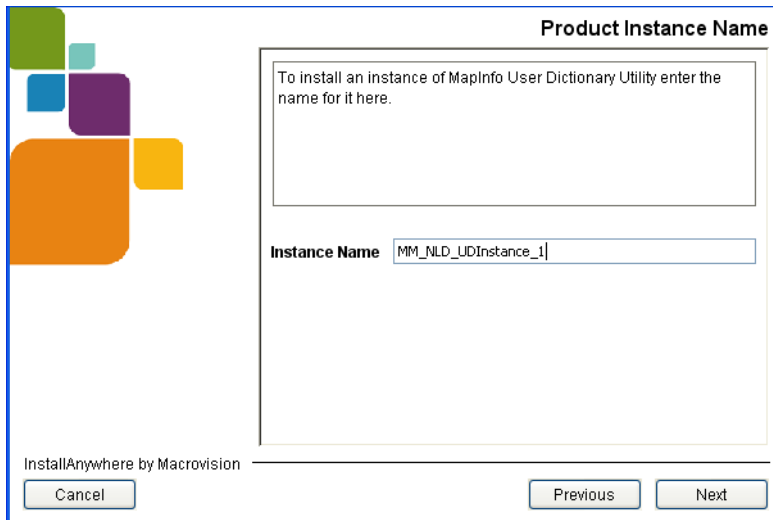


Click **Next** to continue.

5. In the Choose Geocoding Installations dialog, you will see a list of paths pointing to the directory that you specified in **step 4**. These paths represent the installed MapMarker or Envinsa countries for which you can build User Dictionaries. From the list, select the countries for which you want to create User Dictionaries using this instance of the User Dictionary Utility. You may select one or more countries from the list we recommend that you do not select more than one version of the same country.

After making the path selections, click **Next** to continue.

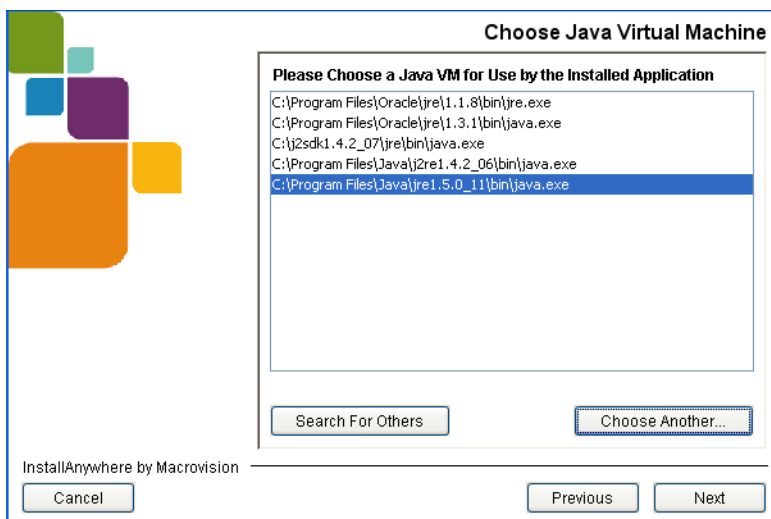
- In the Product Instance Name dialog, type an Instance Name. This name will be used to uniquely identify this instance of the MapInfo User Dictionary Utility (on the Start menu or Desktop shortcut).



After typing the instance name, click **Next** to continue.

- In the Choose Install Folder dialog, select the directory in which the MapInfo User Dictionary Utility will be installed. Typically, the default directory might be C:\Program Files\MapInfo\User Dictionary Utility. Either accept the default directory or click **Choose** to navigate to an alternative directory. Click **Next** to continue.
- In the Choose Java Virtual Machine dialog, do one of the following:
 - Select one of the already installed JVMs (version 1.4.2 or later) to be used by the MapInfo User Dictionary Utility.
 - Select **Choose Another** to navigate to an alternative location of a JVM on your computer. Choose a JVM associated with a MapMarker installation that you plan to use with the MapInfo User Dictionary Utility.
 - Select **Search for Others** to have the installer search your computer for an installed JVM. As the search progresses, the dialog will be populated with a list of the JVMs that were found on your computer. This may take some time.

The Choose Java Virtual Machine dialog appears as follows:



After selecting a JVM, Click **Next** to continue.

- In the Choose Shortcut Folder dialog, choose where you want to create the product icons. You can create a new Program Group, place the icons in an existing Program Group, or make other choices. After making your selection, click **Next** to continue.

10. In the Pre-Installation Summary dialog, review the disk space requirements and your install selections. To edit any selections, click the **Previous** button to go back to the previous dialogs. When you are satisfied with your installation choices, click **Install**. A progress dialog reports progress as the software and data is installing.
11. When the installation is finished, the Install Complete message appears. Click **Done** to exit the installer.

Uninstalling the User Dictionary Utility

To uninstall the MapInfo User Dictionary Utility, follow this procedure.

1. Begin the uninstall as follows, depending on whether you are uninstalling on Windows or on UNIX/Linux:
 - On Microsoft Windows, access the Control Panel **Add or Remove Programs** utility, then select Uninstall *INSTANCENAME* User Dictionary Utility and click the **Change/Remove** button. Or you can launch the Uninstall *INSTANCENAME* User Dictionary Utility from the shortcuts. You can also run the Uninstall *INSTANCENAME* User Dictionary Utility.exe from the Uninstall_*INSTANCENAME* folder.
 - On Solaris, Linux, or HP-UX you can either launch the Uninstall shortcut or run the Uninstall .exe as described for Windows users.

Proceed to **step 2**.

2. In the Uninstall *INSTANCENAME* User Dictionary Utility dialog, click **Next**.
3. Select **Complete Uninstall** or **Uninstall Specific Features**, then click **Next**.
4. If you selected **Complete Uninstall** in **step 3**, the uninstall program will run immediately and the MapInfo User Dictionary Utility will be completely uninstalled. If you selected **Uninstall Selected Features** in **step 3**, the named instance of the MapInfo User Dictionary Utility is only one feature available for selection.
5. When the uninstall completes, click **Done**.

Configuring the User Dictionary Utility for Other Countries

If you want to build User Dictionaries for additional countries that were not configured during installation, you can:

- install a separate MapInfo User Dictionary Utility for each additional country
- configure an already-installed instance of the MapInfo User Dictionary Utility for use with the additional countries

To install additional instances of the MapInfo User Dictionary Utility, run the installer again and follow the instructions in **Downloading and Installing the MapInfo User Dictionary Utility on page 2**. Be sure to enter a unique instance name to describe this instance of the utility in **step 6** of that procedure.

To configure an installed instance of the MapInfo User Dictionary Utility for additional countries, follow the instructions described in **Editing the .lax File**.

Editing the .lax File

To configure an installed instance of the MapInfo User Dictionary Utility, you must adjust the Java classpath of the Utility. Specifically, you must specify paths to the following resources:

- country-specific jar files
- the folder that contains the country-specific MapMarker DataManagerSettings.properties file

To accomplish this, edit the .lax file named:

```
InstanceName MapInfo User Dictionary Utility.lax
```

which is located in the MapInfo User Dictionary Utility installation folder.

Within this file, the `lax.class.path` entry defines the path to Java resources. Initially, this file will have paths for the country or countries that you selected during installation (as specified in [step 4 of Downloading and Installing the MapInfo User Dictionary Utility](#)). If you install new MapMarker countries and want to create User Dictionaries for those countries (using the same MapInfo User Dictionary Utility), you must adjust the Java classpath to point to the correct resources.

These instructions assume that the instance of the MapInfo User Dictionary Utility being configured was installed on Microsoft Windows, initially installed only for Netherlands (NLD), and was installed at `C:\Program Files\MapInfo\MapMarker_NLD_v4`.

Note: When entering paths, Microsoft Windows users must escape backslashes, and when specifying a directory the path must end with the system-appropriate file separator (a double backslash for Windows or a single slash for UNIX).

For example, if you had installed an instance of the MapInfo User Dictionary Utility to use with MapMarker Netherlands (country code NLD), part of the `lax.class.path` entry might appear as follows:

```
C:\\Program Files\\MapInfo\\MapMarker_NLD_v4\\sdk\\engine\\lib\\server\\mmj.jar;  
C:\\Program Files\\MapInfo\\MapMarker_NLD_v4\\sdk\\engine\\lib\\server\\mmjnlds.jar
```

If you subsequently installed MapMarker Italy (ITA) and wanted to use the same instance of the MapInfo User Dictionary Utility to create an Italian User Dictionary, you should **prepend** the following to the `lax.class.path` entry:

```
C:\\Program Files\\MapInfo\\MapMarker_ITA_v4\\sdk\\engine\\lib\\server\\mmj.jar;  
C:\\Program Files\\MapInfo\\MapMarker_ITA_v4\\sdk\\engine\\lib\\server\\mmjitas.jar
```

Similarly, you must add a path pointing to the folder that contains the country-specific MapMarker DataManagerSettings.properties file. For example, if you had installed an instance of the MapInfo User Dictionary Utility to use with MapMarker Netherlands (country code NLD), part of the `lax.class.path` entry might appear as follows:

```
C:\\Program Files\\MapInfo\\MapMarker_NLD_v4\\sdk\\engine\\lib\\client\\
```

Note: Note that the directory path is terminated by double slashes.

To use the same instance of the MapInfo User Dictionary Utility with MapMarker Italy (country code ITA), **prepend** the following to the `lax.class.path` entry:

```
C:\\Program Files\\MapInfo\\MapMarker_ITA_v4\\sdk\\engine\\lib\\client\\
```

where `C:\\Program Files\\MapInfo\\MapMarker_ITA_v4` is the installation directory for MapMarker Italy. These actions will ensure that the MapInfo User Dictionary Utility can locate the country-specific jar files and resources for MapMarker Italy.

Using the MapInfo User Dictionary Utility

Once you have installed the MapInfo User Dictionary Utility and prepared your source data to meet the requirements for a User Dictionary (see [MapInfo User Dictionary Utility Capabilities and Requirements on page 2](#)), you can use the Utility to automate the User Dictionary creation process.

Note: Remember that in order to create a User Dictionary, a MapMarker Address Dictionary must already be present. If you have installed any current version of MapMarker, the associated Address Dictionary is also installed.

1. Start the MapInfo User Dictionary Utility. Select the Instance Name that you created in [step 6](#) of the utility installation procedure.
2. In the MapInfo User Dictionary Utility dialog, select a country from the Country drop-down list. This will be one of the countries you selected in [step 5](#) of the utility installation procedure.

- In the Address Dictionary File text, accept or Browse to the Address Dictionary file for the selected country. In the Table Name text, browse to the .TAB file that contains the source data for your User Dictionary.

Click **Next** to continue.

- Select the required columns.

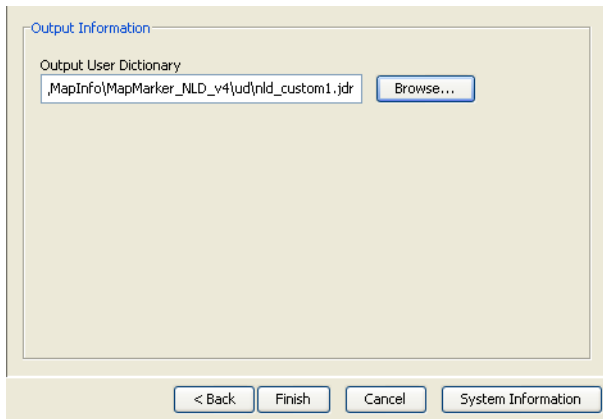
Note: The specific field labels and details will vary for different countries. See your country-specific MapMarker Developer Guide for information on the .TAB file requirements for custom user data. This will be in the chapter named Creating and Using Custom Dictionaries.

Click **Next** to continue.

- Select the optional columns. Since these are optional fields, you do not have to specify them.

Click **Next** to continue.

- Specify the output directory and file name for the User Dictionary that you are creating. You must specify an empty directory. For example, you could browse to MapMarker_NLD_v4 and create an empty directory named ud. The default file name for the User Dictionary is *cnt*_custom1.jdr, where *cnt* is the three-letter country code. For example, the file name for the Netherlands User Dictionary would be nld_custom1.jdr.



Click **Finish** to create the User Dictionary.

- The UD Creation Complete dialog displays a log file that summarizes processing and lists all the created files. If any errors occurred, these will be indicated in the Error File area of the dialog.
- Click **Exit** to exit the MapInfo User Dictionary Utility.

After successfully creating the User Dictionary, the specified directory will contain the files that comprise the User Dictionary (with .mmj, .jdr, .jdx, .sdx, and .bdx file extensions). The log file and error file are also stored in the same directory.

Note: At any time, you can click **System Information** for a summary of system-related information on the MapInfo User Dictionary Utility. This identifies the JVM, MapMarker core engine, and other system details.