# Installing modeling tools

These instructions apply to the following **modeling tools** produced by No Magic:

- MagicDraw
- Cameo Systems Modeler
- Cameo Enterprise Architecture

## Prerequisites

- Ensure your machine meets the minimum system requirements for running the modeling tool.
- An appropriate JVM version should be installed on your machine (optional).

> ⊘ **Java 9**
>
> Please note, Oracle Java SE9 is not supported.

- You have the installation files downloaded from your account at www.nomagic.com.

## Installation workflow

1. Install the modeling tool following the installation instructions according to your operating system.
2. Activate the license (for paid commercial seat or mobile licenses only).
3. Add the license key or obtain the floating license.

> ⊘ **For the users of Academic license**
>
> By default, the licensing information is stored in each user's home directory. If you are using the Academic license in class, we recommend saving the configuration files (which include the licensing information) in the modeling tool installation directory. The applied academic license will be available for all users of the particular machine when the configuration files are stored in the recommended location. See the Configuration files for instructions on changing the modeling tool configuration file location.

You must install the desktop software on your computer to use the modeling tool. The installation procedures provided below are for the standard installation as well as the advanced. However, it is strongly recommended to use the standard installation procedure.

# Installing on Windows

### Standard installation

1. Double-click the installer.
2. If the **User Account Control** dialog appears asking permission for the installer to make changes in your computer, click **Yes**.
3. Follow the on-screen instructions.
4. Start the modeling tool by doing one of the following:
   - On the taskbar in Windows, click the **Start** button, and then, click the modeling tool (for example, *MagicDraw*).
   - Open the *<modeling tool> installation\bin* folder and double-click the modeling tool .exe file (for example, m*agicdraw.exe).*

   > ⚠ We recommend starting the modeling tool as an administrator. Right click the *<modeling tool>.exe* file. Select **Run as administrator** from the shortcut menu.

5. In the **Import Configuration** dialog, do one of the following:
   - If you want to import the environment options from an earlier modeling tool version, select the location and click **Import**.
   - If you want to use the default environment options, click **Use Default**.
6. Add the license.

### Installation using no-installer

> ⊘ **Important**
>
> This is an advanced procedure for installing the modeling tool. Please use this procedure only if you are familiar with the modeling tool and/or the standard installation does not support your use case.

⚠

> ⚠ **Note**
>
> An appropriate JVM version should be installed on your computer before you begin.

1. Extract *<modeling tool>_<version number>_no_install.zip.*
2. Set Java home:
    a. Open the *<modeling tool>.properties* file, which can be found in *<modeling tool>_<version number>_no_install\bin* folder.
    b. In the *JAVA_HOME* line, add the path to the Java software. For example:
       *JAVA_HOME=C\:\\Program Files\\Java\\jdk1.7.0_67\\jre*
3. To start the modeling tool, open the *<modeling tool>_<version number>_no_install\bin* folder and double click the *<modeling tool>.exe* file.
4. In the **Import Configuration** dialog, do one of the following:
    - If you want to import the environment options from an earlier modeling tool version, select the location and click **Import**.
    - If you want to use the default environment options, click **Use Default**.
5. Add the license.

## Installing on OS X

### Standard installation

1. Double-click the installer.
2. In the modeling tool installation window, drag the *<modeling tool>* folder to the *Applications* folder.
3. Close the *modeling tool* installation window.
4. Start the modeling tool. Open the *Application* / *<modeling tool> installation* folder and double-click the modeling tool .app file (for example, *MagicDraw.app*).
5. In the **Import Configuration** dialog, do one of the following:
    - If you want to import the environment options from an earlier modeling tool version, select the location and click **Import**.
    - If you want to use the default environment options, click **Use Default**.
6. Add the license.

> ⚠ **Note**
>
> If the message appears asking permission to open the file, click **Open**.

### Installation using no-installer

> ⊘ **Important**
>
> This is an advanced procedure for installing the modeling tool. Please use this procedure only if you are familiar with the modeling tool and/or the standard installation does not support your use case.

> ⚠ **Note**
>
> An appropriate JVM version should be installed on your computer before you begin.
>
> Oracle Java SE 9 is not supported for installations using *no_installer*.

1. Extract *<modeling tool>_<version number>_no_instal.mac.zip.*
2. Set Java home:
    a. Open the *<modeling tool>.properties* file, which can be found in *<modeling tool>_<version number>_no_install\bin* folder.
    b. In the *JAVA_HOME* line, add the path to the Java software. For example:
       JAVA_HOME=*/Users/<user_name>/Library/Java/JavaVirtualMachines/jdk1.8.0_92.jdk/Contents/Home/jre*
3. To start the modeling tool, open the *<modeling tool>_<version number>_no_install_mac* folder and double-click the *<modeling tool>.app* file.
4. In the **Import Configuration** dialog, do one of the following:
    - If you want to import the environment options from an earlier modeling tool version, select the location and click **Import**.
    - If you want to use the default environment options, click **Use Default**.
5. Add the license.

## Installing on Unix

### Standard installation

1. From the *<modeling tool>_<version number>_unix.sh* shortcut menu, select the **Properties** command and then click to select the **Allow executing file as program** check box.
2. Double-click the installer.
3. Follow the on-screen instructions to install the modeling tool.
4. Start the modeling tool. Open the *<modeling tool> installation/bin* folder and double-click the modeling tool file (for example, *magicdraw).*
5. In the **Import Configuration** dialog, do one of the following:

- If you want to import the environment options from an earlier modeling tool version, select the location and click **Import**.
- If you want to use the default environment options, click **Use Default**.
6. Add the license.

## Installation using no-installer

> ⊗ **Important**
>
> This is an advanced procedure for installing the modeling tool. Please use this procedure only if you are familiar with the modeling tool and/or the standard installation does not support your use case.

> ⚠ **Note**
>
> An appropriate JVM version should be installed on your computer before you begin.

1. Extract *<modeling tool>_<version number>_no_install.zip*.
2. Set Java home:
   a. Open the *<modeling tool>.properties* file, which can be found in *<modeling tool>_<version number>_no_install\bin* folder.
   b. In the *JAVA_HOME* line, add the path to the Java software. For example:
      *JAVA_HOME=/usr/local/java/jre1.8.0_71*
3. To start modeling tool, open the *<modeling tool>_<version number>_no_install/bin* folder and double-click the *<modeling tool>* file.
4. In the **Import Configuration** dialog, do one of the following:
   - If you want to import the environment options from an earlier modeling tool version, select the location and click **Import**.
   - If you want to use the default environment options, click **Use Default**.
5. Add the license.

## Bundling JRE for multiple operating systems

If you want to configure the modeling tool for multiple operating systems, you can manually customize the *<modeling tool>.properties* file in order for the tool to automatically detect the relevant operating system upon its launch. This eliminates the need to customize the JRE path on each individual operating system where the bundled modeling tool is used.

> ⚠ JREs should be bundled for each operating system in different subdirectories.

1. Open the *<modeling tool>.properties* file, which can be found in *<modeling tool>_<version number>_no_install\bin* folder.
2. In the *JAVA_HOME* line, add the path to the Java software for a specific operating system. Duplicate the line for any additional operating systems you may be using, adding their relative paths. For example:

   *JAVA_HOME_WINDOWS=jre/windows*
   *JAVA_HOME_MACOSX=jre/macosx/mac/Contents/Home/jre*
   *JAVA_HOME_LINUX=jre/linux*

When you are finished with the installation, the following pages will provide you with more information on setting up your modeling tool:

- Modeling tools and plugins licensing
- Installing plugins

If you will be using a floating license server, all relevant information can be found here:

- FlexNet license server installation and licensing

If you run into further problems with installation, please try:

- checking the FAQ section for the known problems
- checking the No Magic Community forum
- or contacting the customer support at support@nomagic.com

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**More information about getting ready to work with the modeling tool**

For information on working with the modelling tools, please see the following pages.

- MagicDraw Documentation
- Cameo Systems Modeler Documentation
- Cameo Enterprise Architecture Documentation