IBM SPSS Modeler - Mac OS Installation

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Chapter 1. Installation overview

The following instructions are for installing IBM® SPSS® Modeler version 19.0.0 on a Mac OS.

System requirements

To view system requirements, go to https://www.ibm.com/software/reports/compatibility/clarity/softwareReqsForProduct.html.

License types

The are two types of licenses:

Authorized user license
If you are an individual who purchased IBM SPSS Modeler for yourself, you have an authorized user license. An authorized user license has an associated code that authorizes individual installations of the product.

If you are part of an organization, you might have an authorized user license for a specified number of users. The same authorization code is valid until the number of authorizations exceeds the specified number.

Concurrent user license
A concurrent user license is a "floating" license that can be used simultaneously (concurrently) by a specified number of users. Each installation of the product is not authorized. Instead, the product is authorized on a server machine through an application called the *license manager*. When the product starts up, it communicates with the server machine and checks if a licenses is currently available.

Installing

Installing from a downloaded file

1. Mount the installer disk image by double-clicking the file that you downloaded.
2. In the mounted disk image, double-click the installer file, and then follow the instructions that appear on the screen. See “Notes for installation” on page 1 for any special instructions.

Notes for installation

This section contains special instructions for this installation.

Installer language. The first panel of the installer prompts for an installer language. By default, the language that matches your locale is selected. If you would like to display the installer in another language, select the language. Click **OK** when you are ready to proceed.

Older versions of SPSS Modeler. The installation does not automatically overwrite earlier installations of SPSS Modeler. You have to uninstall older versions manually.

Chapter 2. Authorized user license installation

Authorization code

You will need your authorization code(s). In some cases, you might have multiple codes. You will need all of them.

You should have received separate instructions for obtaining your authorization code. If you cannot find your authorization code, contact Customer Service by visiting https://www.ibm.com/products/spss-modeler/support.

Licensing your product

You must run the License Authorization Wizard to license your product.

Note: Licenses are tied to your computer's hardware with a **lock code**. If you replace your computer or its hardware, you will have a new lock code and will need to repeat the authorization process. This is also true if you re-image your computer. If you find out that you exceeded the allowable number of authorizations specified in the license agreement, go to https://www.ibm.com/products/spss-modeler/support to contact the Client Care team for assistance.

Important: The license is sensitive to time changes. If you must change the system time and then cannot run the product, contact the Client Care team for assistance by visiting https://www.ibm.com/products/spss-modeler/support.

Using the license authorization wizard

1. To launch the License Authorization Wizard, click **License Product** on the Welcome dialog or click the **License Authorization Wizard** icon in the SPSS Modeler application folder.
2. Select **Authorized user license**. When prompted, enter one or more authorization codes.

   You should have received separate instructions for obtaining your authorization code. If you cannot find your authorization code, contact Customer Service by visiting https://www.ibm.com/products/spss-modeler/support.

The License Authorization Wizard sends your authorization code over the Internet to IBM Corp. and automatically retrieves your license. If your computer is behind a proxy, click **Connect to the internet through a proxy server** and enter the appropriate settings.

If the authorization process fails, you are prompted to send an e-mail message. Choose whether you want to send the e-mail message through your desktop e-mail program or through a Web-based e-mail application.

- If you choose the desktop option, a new message with the appropriate information is created automatically.
- If you choose the Web-based option, you must create a new message in your Web-based e-mail program. Then copy the message text from the License Authorization Wizard and paste it into your e-mail application.

Send the e-mail message and respond to the prompt in the License Authorization Wizard. The e-mail message is processed almost instantaneously. You can click **Enter License Code(s)** to enter any license code(s) that you receive. If you already closed the License Authorization Wizard, restart it and select **Authorized user license**. On the Enter Codes panel, add the license code that you received and click **Next** to complete the process.

Viewing your license

You can view the license by relaunching the License Authorization Wizard. The first panel displays the licensing information. Click **Cancel** when done, and, when prompted about canceling, click **Yes**.

Updating, modifying, and renewing SPSS Modeler

If you purchase additional options or renew your license, you will receive a new authorization code (or codes). For instructions on using the authorization code(s), see "Licensing your product" on page 3 .

Chapter 3. Concurrent user license installation

Using the license authorization wizard

1. To launch the License Authorization Wizard, click **License Product** on the Welcome dialog or click the **License Authorization Wizard** icon in the SPSS Modeler application folder.
2. To launch the License Authorization Wizard, run *law.exe*, which can be found in the license manager installation directory.
3. Select **Concurrent user license**. When prompted, enter the license manager server name or IP address. This is the IP address or the name of the server on which the network license manager is running. If you have multiple addresses or names, separate them with a tilde (for example, `server1~server2~server3`). Contact your administrator if you do not have this information.

Checking out/in a commuter license

Network licenses normally require that you are connected to the network to run SPSS Modeler. If your administrator enabled commuter licenses, you can check out a commuter license to use the network license when you are not connected to the network. For example, you may want to run SPSS Modeler on the train when you don't have a network connection. Before disconnecting from your network and catching the train, you could check out a commuter license for a limited amount of time. You will need to reconnect to the network and check the license back in before the time expires. Otherwise, SPSS Modeler will stop working.

Network licenses are enabled and configured by your administrator. If you would like to use this feature and can't, check with your administrator.

Important: Even if you are able to run SPSS Modeler because you are reconnected to the network, be sure to check the license back in. Doing so will allow other users to take advantage of the commuter license.

Check out a license

1. Double-click *Commuter Utility* in the installation directory.
2. Select the license that you want to check out.
3. In the Duration box, enter the number of days for which you want to check out the license. There is a limit that your administrator configures.
4. Click **Check Out**.

The commuter license will expire after the number of days specified by **Duration**. You can also manually check the license back in at any time.

You may receive a message in the following format:

```
Error while checkout with error code: <code>
```

Common codes are as follows.

Code	Meaning
77	All available licenses have been checked out.
1402	Attempt to check out license that has been reserved for another user.

Check in a license

1. Double-click *Commuter Utility* in the installation directory.
2. Select the license that you want to check in. License(s) that you checked out are indicated by a check mark.
3. Click **Check In**.

Chapter 4. After installation

Depending on the components you have for SPSS Modeler, you may have to carry out further configuration after installing the main software. For example, this might be to connect to a database, or to use data that is compatible with IBM SPSS Statistics.

Configuring IBM SPSS Modeler to work with IBM SPSS Statistics

To enable IBM SPSS Modeler to use the Statistics Transform, Statistics Model, and Statistics Output nodes, you must have a copy of IBM SPSS Statistics installed and licensed on the computer where the stream is run.

If running IBM SPSS Modeler in local (standalone) mode, the licensed copy of IBM SPSS Statistics must be on the local computer.

When you have finished installing this copy of SPSS Modeler Client, you will also need to configure it to work with IBM SPSS Statistics. From the main client menu, choose:

Tools > **Options** > **Helper Applications**

and on the IBM SPSS Statistics tab, specify the location of the local IBM SPSS Statistics installation you want to use. For more information, see the *Source, Process and Output Nodes* guide or the online help for Helper Applications.

In addition, if running in distributed mode against a remote IBM SPSS Modeler Server, you also need to run a utility at the IBM SPSS Modeler Server host to create the `statistics.ini` file, which indicates to IBM SPSS Modeler Server the installation path for IBM SPSS Statistics Server. To do this, from the command prompt, change to the IBM SPSS Modeler Server `bin` directory and, for Windows, run:

```
statisticsutility -location=<statistics_installation_path>/bin
```

Alternatively, for UNIX, run:

```
./statisticsutility -location=<statistics_installation_path>/bin
```

Following is an example of what is placed in the `statistics.ini` file located in the IBM SPSS Modeler Server `/bin` directory after running the utility in IBM SPSS Modeler Server:

```
[LOCATION]
STATISTICS_PATH=C:\Program Files\IBM\SPSS\StatisticsServer\<version>
```

If you do not have a licensed copy of IBM SPSS Statistics on your local machine, you can still run the Statistics File node against a IBM SPSS Statistics server, but attempts to run other IBM SPSS Statistics nodes will display an error message.

Database Access

To read or write to a database, you must have an ODBC data source that is installed and configured for the relevant database, with read or write permissions as needed. If you have questions about creating or setting permissions for ODBC data sources, contact your database administrator.

Supported ODBC drivers

For the latest information on which databases and ODBC drivers are supported and tested for use with IBM SPSS Modeler, see the product compatibility matrices on the corporate Support site (http://www.ibm.com/support).

Where to install drivers

Note: ODBC drivers must be installed and configured on each computer where processing might occur.

- If you are running IBM SPSS Modeler in local (standalone) mode, the drivers must be installed on the local computer.
- If you are running IBM SPSS Modeler in distributed mode against a remote IBM SPSS Modeler Server, the ODBC drivers need to be installed on the computer where IBM SPSS Modeler Server is installed. For IBM SPSS Modeler Server on UNIX systems, see also "Configuring ODBC drivers on UNIX systems" later in this section.
- If you need to access the same data sources from both IBM SPSS Modeler and IBM SPSS Modeler Server, the ODBC drivers must be installed on both computers.
- If you are running IBM SPSS Modeler over Terminal Services, the ODBC drivers need to be installed on the Terminal Services server on which you have IBM SPSS Modeler installed.

Configuring Snowflake or Big Query databases

If you connect Snowflake or BigQuery using an SDAP driver, which works with either an Excel node or XML node that needs to start with the JVM instance, you might receive this error:

```
Internal Error. Failed to open Java VM.
```

To resolve this issue, edit the SDAP ODBC configuration for these databases so that Modeler and SDAP use the same JVM instance. The following are examples of how to configure the JVM instance for Snowflake.

Applying fix packs

To ensure problem-free operation, keep your product at the latest fix pack level. Complete all of the necessary pre-installation and post-installation tasks as described in the fix pack instructions.

Uninstalling

The IBM SPSS modeler installation files are hidden under the Home folder. Before you uninstall IBM SPSS modeler, enable the view of hidden folders in your Home folder.

Complete the following procedure to uninstall IBM SPSS Modeler on Mac OS.

1. Move the installation folder to `Bin`.

   The default installation folder is `/Applications/IBM/SPSS/Modeler/19.0.0`.
2. Move the file `Library/Preferences/com.ibm.spss.plist` from the Home folder to `Bin`.
3. Move the folder `./IBM/SPSS/Modeler/19.0.0` (located in Home folder) to `Bin`.
4. Remove any extension commands that you installed. The extension commands are in the `ext` folder. Move the folder `./IBM/SPSS/Modeler/19.0.0/ext` to `Bin`.
5. Empty `Bin`.

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