



Version 16

Deployment Guide

for Annually Licensed Windows Versions

*“The real voyage of discovery consists not in seeking
new landscapes, but in having new eyes.”*

Marcel Proust

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Chapter 1

Installation

Annually Licensed Windows Versions

This guide is for standalone versions of JMP and JMP Pro, Version 16. For clarity, this guide uses JMP to refer to both JMP and JMP Pro. If you are using any previous version, please refer to the JMP Deployment Guide for that version.

This guide describes how site administrators can install, deploy and renew *annually licensed* versions of JMP on Windows. An annually licensed version of JMP is a protected version that expires at the end of a license period. The version only runs when an appropriate and valid license file is present. This file allows the use of JMP until the expiration date of the license, plus a grace period for renewal.

The basic steps to follow with a new JMP purchase are:

1. Acquire the JMP installation files. See “[Delivery of the Installation Files](#)” on page 4.
2. Adjust the license files (optional). See “[License Information](#)” on page 5.
3. Stage the installation files. See “[Staging a JMP Installation](#)” on page 5.
4. Notify users of the license file location, if necessary. See “[License Control](#)” on page 6.
5. Notify users of the location of the installation files. See “[Installing JMP](#)” on page 6.
6. Each user installs and runs JMP. See “[Running JMP the First Time](#)” on page 8.

Based on how the administrator sets up the license, the user might need to point JMP to either a SAS Installation Data (SID) file or a JMP.PER file in order to run JMP.

Prior to deploying JMP, review the additional information located at <https://www.jmp.com/administrator>.

Delivery of the Installation Files

The set of installation files is delivered to you from SAS in one of two ways:

- Most customers use Electronic Software Delivery (ESD).
- Others receive installation files on DVD.

This set of installation files is referred to as the *software depot*.

You can discuss these options with your JMP account manager. Either way that you receive the files, they are configured in the same way. See the software order e-mail sent to you from SAS for the instructions on how to download the files. You are limited to two ESD downloads.

License Information

A validated license file is required for JMP to run. The license file is created during the installation of JMP and is named JMP.PER. The data needed to create the JMP.PER file are within a text file referred to as the SAS Installation Data (SID) file. The SID file is in the sid_files folder inside the software depot.

Each major version of JMP (version #.0) requires its own license file because the contents of the license file changes with each version. The license file for a version works for all subsequent maintenance releases (version #.#) of that version.

We suggest that each user keep JMP.PER in the location in which JMP installed it. However, JMP also supports storing JMP.PER in a single, centralized location for all users to access. See [“License Control”](#) on page 6 for details.

JMP reads JMP.PER for validation of license terms each time JMP is launched. All of the lines in JMP.PER are checked during the validation process. Note that the operating system is also checked because a Windows JMP.PER does not work on macOS and vice versa.

License Expiration Date

When you receive your software from SAS, your license information might be set to expire after 90 days. If so, you will receive an updated SID file in an e-mail. After receiving the updated SID file, replace the SID file in the original set of installation files that you received. This ensures that all new installations will apply the new license information. You also need to update any previous installed copies of JMP. See [“Renewing Your JMP License”](#) on page 10 for details.

JMP allows a grace period of 90 days to renew. A prompt to renew the license will appear each time you launch JMP after the 45th day of the grace period. After the grace period is over, JMP will not run until a new license is applied.

Staging a JMP Installation

You can stage the JMP installation files in one of several ways:

- Copy the **entire set of files** from either the software depot or the original DVD to a shared network space. All users can install JMP from that single location.
- Copy the **entire set of files** from either the software depot or the original DVD to a DVD, and then distribute these discs to your users.
- Send the original DVD around for each user to install JMP.

License Control

The JMP installer creates a JMP.PER file from the SID file located within the sid_files folder in the software depot. This JMP.PER file is placed in the user’s JMP installation folder.

If no license information is found during installation, the user is prompted for the location of a license file the first time JMP is launched. The user needs to select either a JMP.PER or a SID file. If the user points to a JMP.PER file, the current location of that file is stored for JMP to use every time JMP is launched. If the user points to a SID file, JMP creates a JMP.PER file and prompts the user for a location to store the file.

Alternatively, you can choose to place a single JMP.PER file in a secured, shared network location for all users to use. Each user must select the file when prompted the first time JMP is launched.

Installing JMP

Note: Each user who installs JMP must have administrator rights on the machine.

The JMP administrator must notify the users of the location of the installer files. Depending on how the administrator deploys the license, the users might also need to know the location of the license file. Your software depot contains the installer files needed to install JMP. JMP and JMP Pro are in separate software depots. The software depot has a folder structure for the installers based on the operating system and version of JMP. The installer files to launch are as follows:

JMP	<SAS Software Depot>\JMP\JMP\16_0\Windows\setup.exe
JMP Pro	<SAS Software Depot>\JMP\JMP_Pro\16_0\Windows\setup.exe

Right-click the setup.exe file and select **Run as Administrator** to install JMP.

Adding Custom Files to a Software Depot

The JMP administrator can add custom files to the software depot. The JMP installer copies these files to your computer during the installation process. Once the files are installed, JMP processes these custom files. You can add the following types of custom files:

- Scripts (.jsl)
- Preferences (a JMP.PFS file)

- Add-ins (*.*)
- Samples (*.*)

Place the custom files in a folder named *custom*.

1. Create the custom folder in the following location:
 - JMP: <SAS Software Depot>/JMP/JMP/16_0/Windows/custom
 - JMP Pro: <SAS Software Depot>/JMP/JMP_Pro/16_0/Windows/custom
2. Within the custom folder, create subfolders named scripts, pfs, samples, and addins. Files will be copied from these folders.

Note: Any subfolders in the addins and samples folders will also be copied.

The files are copied to C:/ProgramData/SAS/JMP/ or C:/ProgramData/SAS/JMPPRO/.

Note: Scripts, samples, and preferences files are placed in a version # folder. Add-ins are placed in a folder called addins.

If you have only a DVD and have not downloaded the software depot, you need to copy the entire contents of the DVD to a location that is editable. This location can then be treated as your <Depot>. The JMP administrator can now add the files that will then be copied during installation.

Installation Options

The installer provides a screen of Installation Options.

Excel Add-In

If the JMP installer finds Microsoft Excel 2010, 2013, 2016, 2019, or Excel 365 desktop version, the Excel Add-In option is displayed. This Add-In provides new capabilities when you use Microsoft Excel and JMP together.

SAS Software Integration

- Java Runtime Environment
- Core integration files

By default, these options are not selected.

If this installation of JMP will connect to SAS on a server for processing, then select **SAS Software Integration**.

Silent Installation

A silent installation does not display message or window dialogs during the installation. It does this by using a script that provides answers and selections to prompts a user sees during a non-silent installation. JMP uses InstallShield[®] software, which can be scripted for silent installation purposes.

Note: Ensure that Microsoft .NET 4.8 is installed and all other system requirements are met before performing a silent installation.

To install JMP using a silent setup, follow these steps:

1. Create a response file (using the .iss extension):

```
setup.exe -r -f1{response filename}
```

Note that there is **not** a space between the -f1 parameter and the filename, and that it is a 1, not a lower case L. For example, if you want to create a file named silent.iss on C:\, execute the following statement:

```
setup.exe -r -f1c:\silent.iss
```

2. To install JMP using silent setup, run the setup again using the response file:

```
setup.exe -s -f1{response filename}
```

Note that there is **not** a space between the -f1 parameter and the filename. For example, if you want to use the response file named silent.iss that resides on C:\, execute the following statement:

```
setup.exe -s -f1c:\silent.iss
```

Running JMP the First Time

If the license file was applied during the installation, no further action is required.

If the license file was not applied during the installation, the user is prompted to select a license file.

If the user points to a JMP.PER file, the location of the JMP.PER file is stored. This means if the JMP.PER file is later moved or deleted, the user is prompted to select a license file. This also means that if the JMP.PER file is stored on a network drive, that drive must be available to run JMP.

If the user points to a SID file, JMP uses the file to create a JMP.PER file and then prompts the user for a location to save the file.

Note: Although both the SID file and the JMP.PER file contain text that appears to be editable using a text editor, do not do so. Altering the SID file in any way destroys the integrity of the file. Once the file is destroyed, JMP cannot create the license file, and you cannot run JMP. Likewise, altering the JMP.PER file renders the file useless and you must use your original SID file to restore the JMP application.

Chapter 2

Renewing and Upgrading

JMP License

This chapter describes how to renew or update your JMP license. When it is time for your license to be renewed, you will receive an e-mail from SAS with the new license data in the form of a text file attachment. This text file should be saved and used to update the license.

Renewing Your JMP License

When your license expires, you must renew your license with SAS. SAS e-mails you a new SID file.

After receiving a new SID file as the renewal license from SAS, replace the SID file in the original set of installation files that you received from SAS. This ensures that all new installations from then on use the latest license.

Note: Although both the SID file and the JMP.PER file contain text that appears to be editable using a text editor, do not do so. Altering the SID file in any way destroys the integrity of the file. Once the file is destroyed, JMP cannot create the license file, and you cannot run JMP. Likewise, altering the JMP.PER file renders it useless and you must use your original SID file to restore the JMP application.

All installed copies of JMP must be updated. You can either:

- Distribute the SID file to all users.
- Create an updated JMP.PER file and distribute it to all users.
- Replace your shared network copy of JMP.PER.

To update the JMP license

1. Start JMP.

Note: Due to enhanced security in Windows operating systems, you might need to run JMP in Administrative mode. This can be done by right clicking the JMP desktop icon and selecting "Run as Administrator."

2. If JMP is prompting for a new license, click **Open License**.

If JMP is not prompting for a new license and you want to renew the license, open a JMP script window. Then, enter this line in the window and run the script:

```
Renew License();
```

3. Continue with the instructions below for updating with either a SID file or a JMP.PER file.

To update the JMP license with a SID file

1. At the prompt, navigate to where you saved the SID file sent to you in the e-mail from SAS.
2. Click **Open**.
3. (Optional) Fill in the Administrator Name and Department.
4. Click **OK**.

To update the JMP license with a JMP.PER file

1. At the prompt, navigate to the new JMP.PER file.
2. Click **Open**.

Frequently Asked Questions

JMP Installation

This chapter answers some frequently asked questions about JMP that you might find useful.

Where is the JMP 16 desktop icon?

The desktop icon is not installed by default. To install the icon, select **Create desktop shortcut** on the last screen of the installer window.

Windows security will not let me update the JMP file in my C:\Program Files folder. What can I do?

This is a result of enhanced security in Windows operating system. To change files in the Program Files folder, you might need to run JMP in Administrative mode. This can be done by right clicking the JMP desktop icon and selecting “Run as Administrator.”

What if I need to run JMP on my laptop away from the network location where the JMP.PER file is kept?

If a single JMP.PER file is kept in a network folder for everyone’s use and you need to run JMP on a laptop without a connection to the network, you can do so for a limited time using a *temporary license*. Before doing so, you must run JMP on your laptop while connected to the network so that you can point JMP initially to a valid JMP.PER file.

1. Connect your laptop to the network.
2. Start JMP to ensure that JMP on your laptop has access to the latest license file on the network.
3. Close JMP.

Later, when you start JMP away from your network, JMP runs using a temporary license for ninety days. After ninety days, you need to reconnect to the network.

Note: You must run JMP with a valid license file before disconnecting from the network. Otherwise, JMP will not run when disconnected.

How do I obtain maintenance updates to JMP software?

Maintenance updates are available from the JMP website (<https://www.jmp.com/update>).

Can I have two different versions of JMP installed on my computer at the same time?

Yes. JMP 16 can be installed on a computer with a previous version of JMP. The installation of JMP 16 does not remove the previous version and both versions are operable.

If I have two versions of JMP installed on my computer, can I have the Excel Add-in on both versions?

No. The JMP 16 installation removes the Excel Add-in files installed for the previous version of JMP as only one set of JMP Add-in files can be on a computer at one time. The file associations of the JMP files (for example, .JMP, .JSL) are assigned to the last JMP version installed. This can be reset by going to File > Preferences > Windows Specific > Reset Associations in the version of JMP that you want to be active.

Can I install an annual license version of JMP over a demo or trial version of JMP?

No. You must first uninstall the demo version of JMP before installing the annual license version of JMP. This ensures that all of the correct system and license files are installed in the correct location.

Who should I contact when my JMP license expires or is about to expire?

Contact your local internal JMP site representative or support personnel. The site representative should then contact their SAS Contracts representative for an updated license file.

Where can I find a Quality Statement concerning JMP?

JMP uses a variety of methods to see, to the extent possible, that the software produces accurate, reliable and numerically precise results. To assist customer validation or operational qualification (OQ) efforts, JMP provides a set of tests based on the Standards and Technology Statistical Reference Data (StRD) sets in an extensible framework, available for download. JMP also provides a tool for verifying that JMP software has been installed and maintained to the manufacturer's specifications. This tool verifies the integrity of each installed file and provides a report detailing the results. This information is available from the JMP website (<https://www.jmp.com/qualitystatement>).

How do I report a problem I am having with JMP?

There are different options for reporting problems to JMP. Visit <https://www.jmp.com/support> to find the communication method that best works for you.

When contacting Technical Support, please have the following information available:

- Your JMP site license number.
- The JMP version that you are using.

- For graphics problems, the brand and model of the graphics card and the version of the graphics driver might be helpful.

How do I locate my JMP site license number?

To obtain the site license number, select **About JMP** in the **Help** menu.

On Windows, how does JMP find the PER file to use?

If JMP is installed directly from the software depot, the PER file is located at C:\Program Files\SAS\JMP\16\JMP.PER. The PER file for JMP Pro is located at C:\Program Files\SAS\JMPPRO\16\JMP.PER.

If the user is prompted to point to a license file, the resulting location will be saved in the PFS file located at %APPDATA%\SAS\JMP\16\JMP.PFS. When JMP is launched, the order of search for the PER file is as follows:

- location defined in the PFS file
- user folder (%APPDATA%\SAS\JMP\16\JMP.PER or %APPDATA%\SAS\JMPPRO\16\JMP.PER)
- installation location

A user can run a one-line script to print to the log the exact location of the PER used by JMP.

```
Show License Path();
```

Appendix A

This appendix provides supplementary information about files that are stored in the Extra folder.

.NET Framework

ndp48-x86-x64-allos-enu.exe

This file is from Microsoft and it installs the needed operating system .NET Framework version 4.8 (.NET 4.8) files needed to run applications developed using the latest software tools. JMP 16 needs .NET 4.8 on the PC to run. The .NET 4.8 installer included in JMP is the client profile, not the full .NET 4.8 installer.

This file installs the needed files on either a 32-bit or 64-bit Windows operating system. During the installation of JMP, the Windows registry is checked to see whether .NET 4.8 is already installed. If .NET 4.8 is already installed, the JMP install continues. If .NET 4.8 is not already installed, the user is prompted with a Yes/No dialog asking to confirm the installation of .NET 4.8. If Yes, the .NET 4.8 install takes place silently as JMP continues the installation. If No, the JMP install terminates immediately.

The .NET 4.8 installation could take 10-20 minutes, so it is strongly suggested that other applications are closed before installation. After installation of JMP, if .NET 4.8 was installed, you should reboot the PC.

The .NET 4.8 file is found in software depots of JMP and JMP Pro. If you are confident that this file is not needed, there is no harm in deleting it from the software depot before installation.

Note: JMP will not run if .NET 4.8 is not installed properly.

PER File Extraction

JMPExtractPER64.exe

The executable converts a license file found in the sid_files folder of the depot from TXT form into the needed JMP.PER file. The program places the JMP.PER file into the installation folder selected by the user.

JMPExtractPER64.exe is the 64-bit version of the program designed for use on a PC with a 64-bit operating system.

These files are found in software depots of JMP and JMP Pro. If these files are deleted before installation, the PER file will not be created during the installation and JMP will prompt for the license file when first launched.

Icon Refresh

JMPIconRefresh.exe

This program makes a call to the operating system to refresh the desktop and is run at the end of the installation. It was created based on comments that the desktop icon was either not displaying or displaying without the JMP logo. A user can refresh using the F5 key, or this refresh program.

This file is found in software depots of JMP and JMP Pro. If this file is not wanted, there is no harm in deleting the file from the software depot before installation.

Install Origin

JMPInstallOrigin.txt

This file, when installed, allows the user to check for JMP software updates from the JMP Preferences page. If the administrator does not want the user to be able to check for software updates, they should delete this file from the software depot before installation so it is not installed.

Visual C++ Redistributables

vcredist_x64_2019.exe

vcredist_x86_2019.exe

These files are from Microsoft and are needed in JMP 16. They install the necessary Visual C++ Redistributable files. The JMP installer checks the operating system and installs the x86 program if the operating system is 32-bit. If the operating system is 64-bit, the x86 program and the x64 program are installed.

These files are found in software depots of JMP and JMP Pro. If you are confident that these files are not needed, there is no harm in deleting these files from the software depot before installation. JMP will not run if the proper level of Visual C++ files are not found. Our recommendation is not to delete these files from the depot and to let JMP install them.