IBM SPSS Modeler Entity Analytics Installation

IBM SPSS Modeler Entity Analytics (client side)

IBM® SPSS® Modeler Entity Analytics adds a completely new dimension to IBM® SPSS® Modeler predictive analytics. Whereas predictive analytics attempts to predict future behavior from past data, entity analytics focuses on improving the coherence and consistency of current data by resolving identity conflicts within the records themselves. An identity can be that of an individual, an organization, an object, or any other entity for which ambiguity might exist. Identity resolution can be vital in a number of fields, including customer relationship management, fraud detection, anti-money laundering, and national and international security.

IBM SPSS Modeler Entity Analytics is available in a client-side and a server-side version. Installing the client-side version is essential at any client system from where you want to run IBM SPSS Modeler Entity Analytics.

In addition, install the server-side version only if you are using SPSS Modeler Server on a Windows or UNIX host system. For more information, see the topic "IBM SPSS Modeler Entity Analytics (server side)" on p. 3 .

System requirements

IBM SPSS Modeler Entity Analytics must be installed on a system where SPSS Modeler Client is already installed. The requirements for IBM SPSS Modeler Entity Analytics are identical to those for SPSS Modeler.

Installing IBM SPSS Modeler Entity Analytics

To install IBM SPSS Modeler Entity Analytics at a client system, perform the following steps. Note that IBM SPSS Modeler Entity Analytics must be installed to the SPSS Modeler Client installation location. If SPSS Modeler Client is not installed, the IBM SPSS Modeler Entity Analytics installation will fail.

Installing from a downloaded file

Windows XP

1. Double-click the file that you downloaded and extract the files to some location on your computer.

2. Using Windows Explorer, browse to the location where you extracted the files.

3. For 32-bit systems, open the *Win32* folder and double-click *Client32.exe*. For 64-bit systems, open the *Win64* folder and double-click *Client64.exe*.

4. Follow the instructions that are displayed on the screen.

Windows Vista or Windows 7

You must run the AutoPlay as administrator:

1. Double-click the file that you downloaded and extract the files to some location on your computer.

2. Using Windows Explorer, browse to the location where you extracted the files.

3. For 32-bit systems, open the *Win32* folder, right-click *Client32.exe* and choose Run as administrator. For 64-bit systems, open the *Win64* folder, right-click *Client64.exe* and choose Run as administrator.

4. Follow the instructions that are displayed on the screen.

Installing from the DVD

Windows XP

1. Insert the DVD into your optical drive. The autoplay window opens.

2. For 32-bit systems, choose Install IBM SPSS Modeler Entity Analytics. For 64-bit systems, choose Install IBM SPSS Modeler Entity Analytics WIN64.

3. Follow the instructions that are displayed on the screen.

Windows Vista or Windows 7

You must run the AutoPlay as administrator:

1. Close the AutoPlay window that automatically appeared when you inserted the DVD into your optical drive.

2. Using Windows Explorer, browse to the optical drive.

3. Right-click *setup.exe* at the root of the DVD and choose Run as Administrator. The autoplay window opens.

4. Choose Install IBM® SPSS® Modeler Entity Analytics. For 64-bit systems, choose Install IBM SPSS Modeler Entity Analytics WIN64.

5. Follow the instructions that are displayed on the screen.

Removing IBM SPSS Modeler Entity Analytics

To uninstall IBM SPSS Modeler Entity Analytics, perform the following steps:

1. From the Windows Start menu choose:
    Settings > Control Panel

2. From the Control Panel, choose Add or Remove Programs.

3. Click Change or Remove Programs.

4. Select IBM SPSS Modeler Entity Analytics from the list of currently installed programs, and click Change/Remove. If you have more than one version installed on the computer, be sure to select the version that you want to remove.

A message will be displayed when the uninstallation process completes.

IBM SPSS Modeler Entity Analytics (server side)

IBM SPSS Modeler Server Entity Analytics adds the ability to perform entity analytics in an SPSS Modeler Server environment. This provides superior performance on large datasets, since memory-intensive operations can be run on the server without downloading data to the client computer. At least one SPSS Modeler client installation must be present for the system to function in this way.

Install the server-side version only if you are using SPSS Modeler Server.

System requirements

IBM SPSS Modeler Server Entity Analytics must be installed on a system where SPSS Modeler Server for is already installed. The requirements for IBM SPSS Modeler Server Entity Analytics are identical to those for SPSS Modeler Server, with the following exception.

If the SPSS Modeler Server host is a Solaris 10 system, first install the following patch, available from the Oracle web site:

■ 125211-01

Installing on Windows systems

IBM SPSS Modeler Server Entity Analytics must be installed to the SPSS Modeler Server installation location. If SPSS Modeler Server is not installed, the IBM SPSS Modeler Server Entity Analytics installation will fail.

Windows Server 2003

To install IBM SPSS Modeler Server Entity Analytics on Windows Server 2003, perform the following steps:

1. Log on to the server computer with administrator privileges.

2. If you downloaded an eAssembly:
   ■ Double-click the file and extract the installation files.
   ■ Go to the location where the installation files were extracted and double-click *Server32.exe* (for a 32-bit server) or *Server64.exe* (for a 64-bit server).

If installing from a DVD:

- Insert the DVD into your optical drive. The autoplay window opens.
- Choose Install IBM® SPSS® Modeler Server Entity Analytics. For 64-bit systems, choose Install IBM SPSS Modeler Server Entity Analytics WIN64.

3. Follow the instructions that appear on the screen.

4. Restart the SPSS Modeler Server host when installation has completed.

Windows Server 2008

To install IBM SPSS Modeler Server Entity Analytics on Windows Server 2008, perform the following steps. You must run the AutoPlay (or, if using downloaded files, the *.exe* file) as administrator.

1. Log on to the server computer with administrator privileges.

2. If you downloaded an eAssembly:
   - Double-click the file and extract the installation files.
   - Go to the location where the installation files were extracted and double-click *Server32.exe* (for a 32-bit server) or *Server64.exe* (for a 64-bit server).

   If installing from a DVD:
   - Insert the DVD into your optical drive. The AutoPlay window opens.
   - Close the AutoPlay window and, using Windows Explorer, browse to the optical drive.
   - Right-click *setup.exe* at the root of the DVD and choose Run as Administrator.
   - For 32-bit systems, choose Install IBM SPSS Modeler Server Entity Analytics. For 64-bit systems, choose Install IBM SPSS Modeler Server Entity Analytics WIN64.

3. Follow the instructions that appear on the screen.

4. Restart the SPSS Modeler Server host when installation has completed.

Installing on UNIX systems

IBM SPSS Modeler Server Entity Analytics must be installed to the SPSS Modeler Server installation location. If SPSS Modeler Server is not installed, the IBM SPSS Modeler Server Entity Analytics installation will fail.

To install IBM SPSS Modeler Server Entity Analytics, perform the following steps:

1. Log in as *root*.

2. If you downloaded an eAssembly:
   - Double-click the file and extract the installation files to a convenient location.
   - Change directories to the location where the installation files were extracted.

If installing from a DVD:

- Insert the DVD into your optical drive and ensure that you can access the drive. On Solaris, the volume manager (the *vold* daemon) must be running. On HP-UX, if you have problems installing, ask your administrator to mount the optical device using the `-o cdcase` option.
- Change directories to the optical drive mount point.

3. Run the install script corresponding to your UNIX environment. See the "Install scripts" table for a list of the install script names. Make sure the install script can be executed by *root*. Use the `-i console` option to execute the script in console mode. For example, for 64-bit Linux, run the script as follows:

`ea_linux64.bin -i console`

Table 1-1
Install scripts

UNIX environment	Install script
AIX	.\AIX64\ea_server_installer_aix64.bin
HP-UX	.\HP-UX64\ea_server_installer_hp64.bin
Linux (32-bit)	.\Lintel32\ea_server_installer_lintel32.bin
Linux (64-bit)	.\Lintel64\ea_server_installer_lintel64.bin
Linux on IBM System z	.\ZLinux64\ea_server_installer_zlinux64.bin
Solaris	.\SunOS64\ea_server_installer_sunos64.bin

4. Follow the displayed instructions. When prompted for an installation directory, use the SPSS Modeler Server installation directory. If you specify a different directory, IBM SPSS Modeler Server Entity Analytics will not work.

5. Restart the SPSS Modeler Server host when installation has completed.

Removing from Windows systems

To uninstall IBM SPSS Modeler Server Entity Analytics, perform the following steps:

1. From the Windows Start menu choose:
Settings > Control Panel

2. From the Control Panel, choose Add or Remove Programs.

3. Click Change or Remove Programs.

4. Select IBM SPSS Modeler Server Entity Analytics from the list of currently installed programs, and click Change/Remove. If you have more than one version installed on the computer, be sure to select the version that you want to remove.

A message will be displayed when the uninstallation process completes.

Removing from UNIX systems

To uninstall IBM SPSS Modeler Server Entity Analytics, perform the following steps:

1. Change directory to the *Uninstall_EntityAnalytics* directory under the SPSS Modeler Server installation location.

2. Issue the following command:

   ./Uninstall_EntityAnalytics

IBM SPSS Modeler Entity Analytics Unleashed

IBM SPSS Modeler Entity Analytics Unleashed is a separately-licensed upgrade that extends the capabilities of IBM SPSS Modeler Entity Analytics by removing the record and CPU limitations for analyzing records on an IBM solidDB database.

IBM SPSS Modeler Entity Analytics Unleashed should be installed on a client or server where IBM SPSS Modeler Entity Analytics is already installed. This can be a Windows client system running SPSS Modeler or a server system running SPSS Modeler Server.

System requirements

IBM SPSS Modeler Entity Analytics Unleashed requires the following products to be already installed:
- SPSS Modeler Client or SPSS Modeler Server
- IBM SPSS Modeler Entity Analytics

There are no other prerequisite system requirements.

Installing IBM SPSS Modeler Entity Analytics Unleashed

To install IBM SPSS Modeler Entity Analytics Unleashed, perform the following steps.

Before you begin

Download the installation package or copy the files from the installation to your hard drive.

Procedure

1. Ensure that SPSS Modeler is not running on the target machine.

2. Log in as *root* (UNIX systems) or with the appropriate administrator privileges.

   Note: For UNIX systems, the installer requires that an X Window session is established with the application server. If you do not have the appropriate X Window libraries installed on your server, use the -i console option to run the script in console mode.

3. If you downloaded an eAssembly:
   - Double-click the file and extract the installation files to a convenient location.
   - Change directories to the location where the installation files were extracted.

   If installing from the DVD:
   - Insert the DVD into your optical drive and ensure that you can access the drive. On Solaris, the volume manager (the vold daemon) must be running. On HP-UX, if you have problems installing, ask your administrator to mount the optical device using the -o cdcase option.
   - Change directories to the optical drive mount point.

4. Run the *install.bin* or *install.exe* file. For UNIX systems, make sure the install script can be executed by *root*. Use the -i console option to execute the script in console mode.

5. Follow the displayed instructions. When prompted for an installation directory, use the SPSS Modeler or SPSS Modeler Server installation directory (for example: C:\Program Files\IBM\SPSS\Modeler[Server]*nn)* If you specify a different directory, IBM SPSS Modeler Entity Analytics Unleashed will not work.

What to do next

When the installation is complete, validate that the installation was successful by checking an appropriate entry in the installation log file, for example: *modeler_install_directory*/ext/bin/pasw.entityanalytics/eau_install.log.

Removing IBM SPSS Modeler Entity Analytics Unleashed

To remove IBM SPSS Modeler Entity Analytics Unleashed, use the following procedure.

1. Run the uninstall utility found in the *modeler_install_directory*/Uninstall_EAU/ directory:
   - *Uninstall_EAU.exe* (Windows systems)
   - *Uninstall_EAU* (UNIX systems)

2. Locate the previous version of the IBM SPSS Modeler Entity Analytics directory that was installed with SPSS Modeler in *modeler_install_directory*/ext/bin/pasw.entityanalytics/g2.EAE.

3. Rename the directory to *...*/pasw.entityanalytics/g2 after IBM SPSS Modeler Entity Analytics Unleashed has been uninstalled.