

IBM SPSS Modeler Text Analytics Server for Windows® Installation Instructions

IBM® SPSS® Modeler Text Analytics Server can be installed and configured to run on a machine running IBM® SPSS® Modeler Server. See the *IBM® SPSS® Modeler Server Administration and Performance Guide* for a description of how the SPSS Modeler Server software works and what you need to do to administer it.

System Requirements

The minimum hardware and software requirements for IBM® SPSS® Modeler Text Analytics are as follows:

- **Operating system.** Windows Server 2008 (Standard and Enterprise) 32-bit and 64-bit; Windows Server 2008 R2 (Standard and Enterprise) 64-bit; Windows Server 2003 (Standard) 32-bit and 64-bit; Windows Server 2003 R2 (Standard) 32-bit and 64-bit.
- **Hardware.** Pentium® or Pentium-class processor or higher (for 32-bit Windows); x64 (AMD 64 and EM64T) processor family (for 64-bit Windows), running at 1GHz or faster.
- **Minimum free disk space.** 2 gigabyte (GB) is recommended.
- **RAM.** 4 GB or higher is recommended.
- **Virtual environment.** The following virtual environments support IBM® SPSS® Modeler Server:
 - Windows 2008® Terminal Services and R2
 - Windows 2003® Terminal Services and R2
 - Citrix XenApp 5 – Standard, Advanced and Enterprise
 - Citrix Presentation Server 4.5 – Standard, Advanced and Enterprise
 - VMWare ESX Server 3.5
 - VMWare vSphere 4.0
- **Cluster environment.** The following cluster environments support SPSS Modeler Server:
 - Red Hat Cluster Suite for Red Hat Enterprise Linux
 - Microsoft Cluster Service for Windows
 - Sun Solaris Cluster
 - HP ClusterPack for HP-UX (requires additional hardware)
 - IBM AIX High-Availability Cluster Multi-Processing (HACMP) - also known as Power HA.
- Either a DVD-ROM drive, or, if using downloaded files, details of the location where the installation files are stored.
- A network adaptor running the TCP/IP network protocol.

Client software. The client software must be at the same release level as the IBM SPSS Modeler Text Analytics software.

Installing

The Setup program installs the following components:

- A Windows service that manages end-user requests.
- Software that handles text mining and analysis.

Note: IBM® SPSS® Modeler Text Analytics must be installed on a hard drive on the computer on which the Setup program is running.

Windows Server 2003

- ▶ Log on to the server computer with administrator privileges.
- ▶ If you downloaded an eAssembly, double-click the file and extract the installation files.
- ▶ Insert the DVD into the DVD drive; the AutoPlay menu will appear. Alternatively, go to the location where the installation files were extracted and click on *setup.exe*.
- ▶ Choose Install IBM SPSS Modeler Text Analytics Server, and then follow the instructions that appear on the screen.

Windows Server 2008

You must run the AutoPlay or, if using downloaded files, *setup.exe* as administrator:

- ▶ If you downloaded the product, double-click the downloaded file and extract the installation files.
- ▶ If installing from a DVD, close the AutoPlay window that automatically appeared when you inserted the DVD into your DVD drive.
- ▶ Using Windows Explorer, browse to the DVD drive. Alternatively, browse to the location where the installation files were extracted.
- ▶ Right-click *setup.exe* at the root of the DVD and choose Run as Administrator. At the root of the DVD, right-click *setup.exe*. Alternatively, go to the location where the installation files were extracted and click on *setup.exe*.
- ▶ On the menu, choose Install IBM SPSS Modeler Text Analytics , and then follow the instructions that appear on the screen.

Destination

You cannot install IBM® SPSS® Modeler Text Analytics into a custom location since it must adhere to the pre-existing IBM® SPSS® Modeler folder structure. If SPSS Modeler version 15 is not detected you will not be able to install.

IP Address and Port Number

The Setup program will supply a default IP address and port number for the server computer to use. If necessary, the port number can be updated in the IBM® SPSS® Text Analytics Administration Console . For more information, refer to the \Documentation\Administration_Console_Users_Guide.pdf.

After You Install IBM SPSS Modeler Text Analytics

Installing the Administration Console for IBM SPSS Collaboration and Deployment Services Deployment Manager

The IBM® SPSS® Text Analytics Administration Console provides a user interface to monitor and configure your IBM® SPSS® Modeler Text Analytics installations, and is available free-of-charge to current customers of that product. SPSS Text Analytics Administration Console can only be installed on Windows computers; however, it can administer IBM SPSS Modeler Text Analytics installed on any supported platform.

The version number of SPSS Text Analytics Administration Console must be the same as the version number of the IBM® SPSS® Modeler Text Analytics Server it will be administering (for example, configuring ports as well as deleting sessions).

Starting and Stopping the Process

IBM® SPSS® Modeler Text Analytics has start and stop processes called automatically by IBM® SPSS® Modeler when the IBM® SPSS® Modeler Server starts and stops. Please refer to the SPSS Modeler documentation for more information.

Enabling Access for a Non-Administrator User

If you are installing IBM® SPSS® Modeler Text Analytics on either Windows Vista or Windows 7, for use by a user without Administrator rights, you must complete some additional steps:

- ▶ Create a location to be the new working directory for IBM SPSS Modeler Text Analytics , such as C:\TextData, and ensure it has read and write permissions for a standard user.
- ▶ Open the *ta_client_conf.properties* file located in
<Modeler_install_directory>\ext\lib\spss.TMWClient\conf
- ▶ Modify the line: *#tmfc_client_data_dir = c:/data/IBM_SPSS_Text_Analytics_Client* to read:
Tmfc_client_data = c:/TextData.
- ▶ Copy the *tmwb_15.db* file from C:\ProgramData\IBM\SPSS\TextAnalytics\15 to C:\TextData.
- ▶ Open the *ta_server.conf* file located in
<Modeler_install_directory>\bin\spss.TMWServer\conf

- ▶ Modify the line: `#tmfc_server_data_dir=c:/data/IBM_SPSS_TAServer` to read:
`#tmfc_server_data_dir=c:/TextData`.
- ▶ Open the `axis2.xml` file located in
`<Modeler_install_directory>\bin\spss.TMWBServer\conf`
- ▶ Modify the line: `<parameter name="attachmentDIR">./</parameter>` to read: `<parameter name="attachmentDIR">c:/TextData</parameter>`.
- ▶ If the user will be analyzing text containing Japanese characters, open the `ILUWKWD.ini`, `ILUWDPD.ini`, and `ILUWSNS.ini` files located in
`<Modeler_install_directory>\bin\spss.TMWBServer`.
- ▶ In each file, modify the line: `Logfilepath=<filename>.log` to read:
`Logfilepath=c:/TextData<filename>.log`.
where `<filename>` is the name of the particular `.ini` file being edited.
- ▶ Add modify permissions to these directories:
`<Modeler_install_directory>\ext\bin\spss.TMWBServer` and
`<Modeler_install_directory>\ext\lib\spss.TMWBClient`. This prevents various errors being created when trying to load templates or execute a text mining model builder.

Multiple IBM SPSS Modeler Installations

If required, you can use IBM® SPSS® Modeler Text Analytics with multiple IBM® SPSS® Modeler products (such as IBM® SPSS® Modeler Server or IBM® SPSS® Modeler Solution Publisher) on the same machine. The following topics explain how to install each of the SPSS Modeler Text Analytics products in this case.

IBM SPSS Modeler Server

- ▶ Insert the IBM® SPSS® Modeler Text Analytics Server DVD into your DVD drive.
- ▶ Depending on your system, either click Install SPSS Modeler Text Analytics Server or Install SPSS Modeler Text Analytics Server for Win 64 and follow the instructions displayed.

IBM SPSS Modeler Batch

- ▶ Insert the SPSS Modeler Text Analytics Server DVD into your DVD drive.
- ▶ Click Install SPSS Modeler Text Analytics Batch and follow the instructions displayed.

IBM SPSS Modeler Solution Publisher

You must manually copy the SPSS Modeler Text Analytics files from the IBM® SPSS® Modeler installation as follows:

- ▶ From the client installation `C:\Program Files\IBM\SPSS\Modeler\15\ext\`, copy the following directories and files:
 - `bin\spss.TMWBServer`

- lib\spss.TM4CFilelist
 - lib\spss.TM4CTextlinkanalysis
 - lib\spss.TM4CTextmining
 - lib\spss.TM4CTranslate
 - lib\spss.TM4CWebFeed
 - lib\spss.TMWBClient
- ▶ Paste the directories and files into <solution_publisher_install_directory>\ext\
▶ To run SPSS Modeler Text Analytics with SPSS Modeler Solution Publisher, add the directory <install_directory>/ext/bin/spss.TMWBServer to the \$LD_LIBRARY_PATH environment variable.

Uninstalling

Note: Uninstalling IBM® SPSS® Modeler will not uninstall IBM® SPSS® Modeler Text Analytics . Each must be uninstalled separately. Begin by uninstalling SPSS Modeler Text Analytics before SPSS Modeler.

- ▶ From the Windows Start menu choose:
Settings > Control Panel
- ▶ From the Control Panel, choose Add/Remove Programs.
- ▶ Click the Change or Remove Programs button on the left, choose IBM® SPSS® Modeler Text Analytics from the list, and click Change/Remove.

Note: If you have more than one version of IBM SPSS Modeler Text Analytics installed on the computer, be sure to choose the version that you want to remove.

A message will be displayed when uninstallation is complete. This may take several minutes.