*IBM SPSS Modeler Premium 18.0
Installation and Configuration Guide*

IBM

Contents

Chapter 1. IBM SPSS Modeler Premium component overview

IBM® SPSS® Modeler Premium is made up of 3 main components:
- IBM SPSS Modeler Entity Analytics
- IBM SPSS Modeler Social Network Analysis
- IBM SPSS Modeler Text Analytics

IBM SPSS Modeler Entity Analytics

SPSS Entity Analytics adds an extra 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.

SPSS 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 SPSS Entity Analytics.

In addition, install the server-side version only if you are using SPSS Modeler Server on a Windows or UNIX host system.

IBM SPSS Modeler Social Network Analysis

IBM SPSS Modeler Social Network Analysis transforms information about relationships into fields that characterize the social behavior of individuals and groups. Using data describing the relationships underlying social networks, SPSS Modeler Social Network Analysis identifies social leaders who influence the behavior of others in the network. In addition, you can determine which people are most affected by other network participants. By combining these results with other measures, you can create comprehensive profiles of individuals on which to base your predictive models. Models that include this social information will perform better than models that do not.

For more information about social network analysis, see the IBM SPSS Modeler Social Network Analysis User Guide.

IBM SPSS Modeler Text Analytics

SPSS Modeler Text Analytics offers powerful text analytic capabilities, which use advanced linguistic technologies and Natural Language Processing (NLP) to rapidly process a large variety of unstructured text data and, from this text, extract and organize the key concepts. Furthermore, SPSS Modeler Text Analytics can group these concepts into categories.

Around 80% of data held within an organization is in the form of text documents—for example, reports, Web pages, e-mails, and call center notes. Text is a key factor in enabling an organization to gain a better understanding of their customers' behavior. A system that incorporates NLP can intelligently extract concepts, including compound phrases. Moreover, knowledge of the underlying language allows classification of terms into related groups, such as products, organizations, or people, using meaning and context. As a result, you can quickly determine the relevance of the information to your needs. These extracted concepts and categories can be combined with existing structured data, such as demographics, and applied to modeling by using SPSS Modeler and its full suite of data mining tools to yield better and more-focused decisions.

Linguistic systems are knowledge sensitive—the more information contained in their dictionaries, the higher the quality of the results. SPSS Modeler Text Analytics is delivered with a set of linguistic resources, such as dictionaries for terms and synonyms, libraries, and templates. This product further allows you to develop and refine these linguistic resources to your context. Fine-tuning of the linguistic resources is often an iterative process and is necessary for accurate concept retrieval and categorization. Custom templates, libraries, and dictionaries for specific domains, such as CRM and genomics, are also included.

Chapter 2. Installing IBM SPSS Modeler Premium Client

System requirements

General requirements

IBM SPSS Modeler Premium must be installed on a system where SPSS Modeler Client is already installed.

To view the system requirements, go to http://www.ibm.com/software/analytics/spss/products/modeler/requirements.html.

SPSS Entity Analytics requirements

- AIX - SPSS Entity Analytics does not support AIX 6.1 (or earlier).
- Windows 32 bit - SPSS Entity Analytics on Win32 is not supported.

SPSS Entity Analytics requires a DB2 repository to store entities for matching. If you don't already have a DB2 installation to host the repository, a DB2 installer is supplied to install on the local machine for use as the repository. If you plan to install DB2 10.5 then refer to the DB2 10.5 system requirements and installation pre-requisites.

Note:

- If you intend to work in distributed mode with SPSS Entity Analytics Server you do not need to install the packaged DB2 instance.
- If you will be running in local mode, and you already have DB2 10.5 installed on the SPSS Modeler client machine that you will use to store the SPSS Entity Analytics repository, you should **not** install the packaged DB2.

When working with SPSS Entity Analytics databases, much of the resulting database size is dependent on how much actual data is being exported. A guideline of 10,000 bytes per export record can be used as an approximation of database size per record. This would result in a database size of approximately 100 GB for 10,000,000 exported records and require large amounts of input/output (I/O) capability to sustain performance during the export. In situations where you are likely to have large numbers of records such as these, you should consider using a solid state disk (SSD) to improve I/O times for processes that would otherwise be waiting for disk activity to complete.

SPSS Modeler Social Network Analysis requirements

Install SPSS Modeler Social Network Analysis on all clients that will be working with streams that contain social network analysis nodes.

Note: You cannot have multiple installations of SPSS Modeler Social Network Analysis, on the same machine, with different versions of SPSS Modeler. For example, if you have both SPSS Modeler versions 17 and 18 installed, you must uninstall SPSS Modeler Social Network Analysis from version 17 and reinstall it with version 18 to use SPSS Modeler Social Network Analysis with the latest version of SPSS Modeler.

If you have an estimate of the size of input data you will run through IBM SPSS Modeler Social Network Analysis, you can calculate the approximate amount of free RAM you will require to run the process successfully.

- For Diffusion Analysis, the calculation is:

  ```
  Mem_size (KB) on Server = 0.1 * Record_Num
  ```

where *Mem_size (KB)* is the approximate amount of free memory that is required on the server, and *Record_Num* is the number of rows in the source data.

- For Group Analysis, the calculation is:

  Mem_size (KB) = 10 * Cust_Num

  where *Cust_Num)* is the number of customers in the data.

SPSS Modeler Text Analytics requirements

Upgrading from earlier versions. Before installing SPSS Modeler Text Analytics version 18 you should save and export any TAPs, templates, and libraries from your current version that you want to use in the new version. We recommend that you save these files to a directory that will not get deleted or overwritten when you install the latest version.

After you install the latest version of SPSS Modeler Text Analytics you can load the saved TAP file, add any saved libraries, or import and load any saved templates to use them in the latest version.

Installing

Important: To install, you must be logged on to your computer with administrator privileges.

Installing from a downloaded file
Windows XP

1. Double-click the file that you downloaded and extract all the files to some location on your computer.
2. Using Windows Explorer, browse to the location where you extracted the files and doble-click *setup.exe*.
3. Follow the instructions that appear on the screen.

Windows Vista and later

Note: You must run the installer as administrator:

1. Double-click the file that you downloaded and extract all the files to some location on your computer.
2. Using Windows Explorer, browse to the location where you extracted the files.
3. Right-click *setup.exe* and choose **Run as Administrator**.
4. Follow the instructions that appear on the screen.

Installing from a network location

1. Using Windows Explorer, browse to the location that your administrator provided for the *setup.exe* file.
2. Right-click *setup.exe* and choose **Run as Administrator**.
3. On the autoplay menu, click Install IBM SPSS Modeler Premium.
4. Follow the instructions that appear on the screen.

Silent installation

Silent mode enables an installation to run on its own without any interaction; installing silently can free system administrators from the task of monitoring each installation and providing input to prompts and dialog boxes. This method is especially useful when you are installing SPSS Modeler Premium on a number of different computers that have identical hardware.

Note: You must have administrator privileges to be able to run silent installations.

Windows - silent installation

You can complete a silent installation on Windows systems by using Microsoft Installer (MSI). Use msiexec.exe to install the MSI package.

The following options can be used:

Table 1. Silent installation options

Option	Description
/i	Specifies that the program is to install the product.
/l*v	Specifies verbose logging. For example, this form of log can be useful if you need to troubleshoot an installation.
/qn	Runs the installation without running the external user interface sequence.
/s	Specifies silent mode.
/v	Specifies that the Setup Program passes the parameter string to the call it makes to the MSI executable file (msiexec.exe). The following syntax requirements apply if you use this option: • You must place a backslash (\) in front of any quotation marks (" ") that are within existing quotation marks. • Do not include a space between the /v option and its arguments. • Multiple parameters that are entered with the /v option must be separated with a space. • To create a log file, specify the directory and file name at the end of the command. The directory must exist before you start the silent installation.
/x	Specifies that the program is to uninstall the product.

The following text shows an example of the MSI command:

```
c:\>msiexec.exe /i ModelerPremium32.msi /qn /l*v
 c:\temp\Modeler_Silent_Install.log
 AgreeToLicense=true
```

Note: Depending on your system, you might need to change the .msi file in the preceding example. The .msi versions for SPSS Modeler Premium Client are shown in the following list.
- ModelerPremium32.msi - 32-bit
- ModelerPremium64.msi - 64-bit
- ModelerPremiumJP.msi - 32-bit Japanese
- ModelerPremiumJP64.msi - 64-bit Japanese

Windows - silent uninstalling

The following text shows an example of the MSI command to silently uninstall the software:

```
C:\>msiexec.exe /x ModelerPremium64.msi /qn /norestart
```

After you install SPSS Modeler Premium
SPSS Entity Analytics repository creation

To create an SPSS Entity Analytics repository in the DB2 instance, follow the steps below.

Note: On Windows systems with User Access Controls, you must start SPSS Modeler by selecting **Run as Administrator**.

1. Add an environment variable called: ICC_PKCS11_ROOT. Ensure that the user you are logged into Windows as has full permissions on the folder.

2. Ensure that the user you are logged into Windows as has full permissions on the: `C:\ProgramData\IBM\SPSS\Modeler\18\EA\g2_config.xml` file, and is a member of the DB2ADMNS group on the client.

3. Start SPSS Modeler.

4. Open the EA Export node and, from the **Entity repository** drop-down list, select **<Browse..>**.

5. In the Entity Repositories dialog box, from the **Repository name** drop-down list, select **<Create\Add new repository..>**.

6. In step 1. of the Create/Add Repository wizard, specify a **User name** and **Password** that must be used by all SPSS Entity Analytics users to access the SPSS Entity Analytics repository. This **User name** must be an existing user on the operating system that is a member of the DB2ADMNS group. If they are not, repository creation fails and an error message is displayed. The user does not have to be the DB2 instance owner.

   Note: Do NOT specify a login that contains an exclamation mark character (!) in either the **User name** or **Password** as this will cause repository creation to fail.

7. In step 2. of the Create/Add Repository wizard, specify a **New repository name** and press OK. If the error: `Error on operating config XML file` is displayed verify step 1 above and retry.

SPSS Modeler Text Analytics data directory location

By default, SPSS Modeler Text Analytics will use the default installation locations to update and write files as necessary in the normal operation of SPSS Modeler Text Analytics .

On the SPSS Modeler Text Analytics client, data is written to a database that is installed by default to `C:\ProgramData\IBM\SPSS\TextAnalytics\18\tmwb_18.db` . To use a different data directory, specify the new directory using the instructions in the file `ta_client_conf.properties` in the directory. `C:\Program Files\IBM\SPSS\Modeler\18\ext\lib\spss.TMWBClient\conf\`

SPSS Modeler Text Analytics on Windows Vista

If you are installing SPSS Modeler Text Analytics on Windows Vista you must complete an additional step after you complete the installation.

Add modify permissions to the file: `C:\ProgramData\IBM\SPSS\TextAnalytics\18\tmwb_18.db`. This prevents various errors being created when trying to load templates or execute a text mining model builder.

Upgrading an SPSS Entity Analytics repository from a previous release

After you install SPSS Modeler Premium, but before you first use SPSS Entity Analytics, you must take the actions that are shown in the following list to complete the upgrade.

Note: After you upgrade your DB2 database to be usable in the current SPSS Modeler version, it will no longer be usable in the previous version.

- Back up the DB2 database that includes the SPSS Entity Analytics repository that is to be upgraded, and upgrade the repository. For more information, see "Backup the DB2 database and upgrade the repository" on page 7.

- Move the `g2_config.xml` instance, for the repository that is being upgraded, from the previous SPSS Modeler release version of the file to the current SPSS Modeler release version. For example, from SPSS Modeler 17.1 to SPSS Modeler 18.0. For more information, see "Move the g2_config.xml instance for the repository being upgraded" on page 7

- Move the folder for each repository that is to be upgraded from the previous SPSS Modeler release location to the current SPSS Modeler release location. For more information, see "Move the folder for the repository to the current SPSS Modeler version" on page 8.
- Initialize the token and secure store, and extract the `salt` value from the `g2.ini` file of the previous SPSS Modeler release. For more information, see "Initialize the token and secure store, and extract the salt value" on page 8.
- Modify the `g2.ini` file. For more information, see "Modify the g2.ini file" on page 9.

Backup the DB2 database and upgrade the repository

To backup the DB2 database that includes the SPSS Entity Analytics repository, and upgrade the repository, complete the following steps:

1. Log in as an Administrator and open the IBM DB2 command window.
2. Backup your existing databases. To do this, type the following commands, substituting your database name for {DB}, your user name for {USER}, and your password for {PASSWORD}. In addition, replace {C:\} with the path where you want to locate the backup.
   a. `db2 CONNECT TO {DB} USER {USER} USING {PASSWORD}`
   b. `db2 QUIESCE DATABASE IMMEDIATE FORCE CONNECTIONS`
   c. `db2 CONNECT RESET`
   d. `db2 BACKUP DATABASE {DB} USER {USER} USING {PASSWORD} TO {C:\} WITH 2 BUFFERS BUFFER 1024 PARALLELISM 1 COMPRESS WITHOUT PROMPTING`
   e. `db2 CONNECT TO {DB} USER {USER} USING {PASSWORD}`
   f. `db2 UNQUIESCE DATABASE`
   g. `db2 CONNECT RESET`
3. Update the SPSS Entity Analytics repository:
   a. `db2 connect to {DB} user {USER} using {PASSWORD}`
   b. `cd C:/Program Files/ibm/SPSS/Modeler/`*<current_version_number>*`/ext/bin/pasw.entityanalytics/templates`
   c. Enter the command to update from the previous SPSS Modeler version to the current version. For example: `db2 -tvf Upgrade17to18.sql`
4. Exit from the command window. To do this, type `exit`.

Move the g2_config.xml instance for the repository being upgraded

The file `g2_config.xml` is used by SPSS Entity Analytics components to locate the SPSS Entity Analytics web service for a named repository. To move the `g2_config.xml` instance, complete the following steps:

1. Edit the `g2_config.xml` file from the previous SPSS Modeler version. For example, for SPSS Modeler version 17.1 the default locations for this file are:
   - **Windows** `C:\ProgramData\IBM\SPSS\Modeler\17.1\EA\g2_config.xml`
   - **UNIX** `<modeler17.1-install-directory>/ext/bin/pasw.entityanalytics/EA/g2_config.xml`
2. Find and remove the instance for the repository being upgraded. For example, if you were upgrading a repository called *AAA* from SPSS Modeler version 17.1, you would remove the following:
   ```
   <instance external="false" g2host="localhost" g2port="1321" host="9.30.214.79"
        name="AAA"
        path="C:\ProgramData\IBM\SPSS\Modeler\17.1\EA\repositories\AAA\g2.ini"
        port="1320"/>
   ```
3. Edit the `g2_config.xml` file for the current SPSS Modeler version. For example, for SPSS Modeler version 18.0 the default locations for this file are:
   - **Windows** `C:\ProgramData\IBM\SPSS\Modeler\18.0\EA\g2_config.xml`
   - **UNIX** `<modeler17.1-install-directory>/ext/bin/pasw.entityanalytics/EA/g2_config.xml`
4. Add the instance removed in Step 2 and update its path by changing from the previous SPSS Modeler version number to the current version number.

For example, if upgrading from SPSS Modeler 17.1 to 18.0:

```
<g2instances>
.
.
<instance external="false" g2host="localhost"
        g2port="1321" host="9.30.214.79" name="AAA"
        path="C:\ProgramData\IBM\SPSS\Modeler\18.0\EA\repositories\AAA\g2.ini"
        port="1320"/></g2instances></config>
```

Move the folder for the repository to the current SPSS Modeler version

You must move the folder for the repository from the previous SPSS Modeler version location to the current SPSS Modeler version location. For example, if you are upgrading a repository called AAA, move the folder named AAA and all of its contents.

For example, if moving the repository from SPSS Modeler version 17.1 to version 18.0, the default locations for the repository are:

- **Windows** From: `C:\ProgramData\IBM\SPSS\Modeler\17.1\EA\repositories`, to: `C:\ProgramData\IBM\SPSS\Modeler\18.0\EA\repositories`
- **UNIX** From: *<modeler17.1-install-directory>*`/ext/bin/pasw.entityanalytics/EA/repositories`, to: *<modeler18.0-install-directory>*`/ext/bin/pasw.entityanalytics/EA/repositories`

Initialize the token and secure store, and extract the salt value

You must initialize the token and secure store, and extract the salt value from the `g2.ini` file of the previous SPSS Modeler version location for use in the current SPSS Modeler version.

For example, if you are moving the repository from SPSS Modeler version 17.1 to version 18.0:

Windows

Change the `ICC_PKCS11_ROOT` environment variable, so that `ICC_PKCS11_ROOT=`*<the path to the folder that contains your secure store file>*, and then run the following commands:

```
set path=<modeler18.0-install-directory>\bin;<modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\g2;
<modeler18.0-install-directory>
```

```
cd <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\g2
```

```
ssadm -c <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates\g2.ini
 -tokinit -label g2securestore <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates
 \Valid-SOPIN.txt
```

```
ssadm -c <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates\g2.ini
 —ssinit < modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates\SOPIN.txt
```

```
saltadm -c <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates\g2.ini
 -legacy —ini the g2.ini file of 17.1 -name yoursaltName
 <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates\SOPIN.txt
```

These commands provide the salt `NAME` and `CHECKSUM` in the following format:

```
[SALT]
NAME=g2salt_1327
CHECKSUM=EmPtyghpZdbSdjAq+Ss0dA==
ANONYMIZATION=SHA2
```

You will need the `NAME` and `CHECKSUM` when you complete the steps in the topic: "Modify the g2.ini file" on page 9.

UNIX

Run the following commands:

```
export ICC_PKCS11_ROOT=<the folder where you store the file of the secure store>
```

- For **Linux and Linux for System z**:

  export LD_LIBRARY_PATH=*<modeler18.0-install-directory>*/bin:*<modeler18.0-install-directory>*:
  <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/g2

- For **AIX**:

  export LIBPATH=*<modeler18.0-install-directory>*/bin:*<modeler18.0-install-directory>*:
  <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/g2

cd *<modeler18.0-install-directory>*/ext/bin/pasw.entityanalytics/g2

./ssadm -c *<modeler18.0-install-directory>*/ext/bin/pasw.entityanalytics/templates/g2.ini
 -tokinit -label g2securestore *<modeler18.0-install-directory>*/ext/bin/pasw.entityanalytics/templates/
 Valid-SOPIN.txt

./ssadm -c *<modeler18.0-install-directory>*/ext/bin/pasw.entityanalytics/templates/g2.ini
 —ssinit *<modeler18.0-install-directory>*/ext/bin/pasw.entityanalytics/templates/SOPIN.txt

./saltadm -c *<modeler18.0-install-directory>*/ext/bin/pasw.entityanalytics/templates/g2.ini
 -legacy —ini your g2.ini file of 17.1 -name *yoursaltName*
 <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/templates/SOPIN.txt

These commands provide the salt NAME and CHECKSUM in the following format:

```
[SALT]
NAME=g2salt_1327
CHECKSUM=EmPtyghpZdbSdjAq+Ss0dA==
ANONYMIZATION=SHA2
```

You will need the NAME and CHECKSUM when you complete the steps in the topic: "Modify the g2.ini file."

Modify the g2.ini file

You must copy the g2.ini file from the latest SPSS Modeler version to replace the previous file. To do this, follow these steps:

1. Copy the g2.ini of the latest SPSS Modeler version to your repository folder to replace the old g2.ini file.

   An example of the location of the g2.ini is: *<modeler18.0-install-directory>* /ext/bin/ pasw.entityanalytics/EA/ templates.

   As an example, if you are upgrading a repository called *AAA*, the default locations of the of the repository folder files to edit for SPSS Modeler 18.0 would be:

   - **Windows**: C:\ProgramData\IBM\SPSS\Modeler\18.0\EA\repositories\AAA\g2.ini
   - **UNIX**: *<modeler18.0-install-directory>*/ext/bin/pasw.entityanalytics/EA/repositories/AAA/ g2.ini

2. In the [PIPELINE] section, in the SUPPORTPATH entry, change the paths from the previous version to the latest version (for example, from 17.1 to 18.0).

3. In the [SALT] section, replace the salt NAME and CHECKSUM entries with those you created when you completed the steps in the topic: "Initialize the token and secure store, and extract the salt value" on page 8.

Removing SPSS Entity Analytics repository

If you installed the optional DB2 10.5 as the SPSS Entity Analytics repository and want to uninstall it, follow the instructions on: Uninstalling DB2 database products.

Backup and restore SPSS Entity Analytics repository

If you installed the optional DB2 10.5 as the SPSS Entity Analytics repository and want to create a backup of it, follow the instructions on: DB2 - Backup overview. If you have a backed up copy of the repository that you need to restore, follow the instructions on: DB2 - Restore overview.

Removing IBM SPSS Modeler Premium

To uninstall IBM SPSS Modeler Premium, 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 Premium 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.

Chapter 3. Installing IBM SPSS Modeler Premium Server

System requirements

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

SPSS Entity Analytics requirements

- AIX - SPSS Entity Analytics does not support AIX 6.1 (or earlier).
- Windows 32 bit - SPSS Entity Analytics on Win32 is not supported.

When working with SPSS Entity Analytics databases, much of the resulting database size is dependent on how much actual data is being exported. A guideline of 10,000 bytes per export record can be used as an approximation of database size per record. This would result in a database size of approximately 100 GB for 10,000,000 exported records and require large amounts of input/output (I/O) capability to sustain performance during the export. In situations where you are likely to have large numbers of records such as these, you should consider using a solid state disk (SSD) to improve I/O times for processes that would otherwise be waiting for disk activity to complete.

SPSS Modeler Social Network Analysis requirements

Important: If you intend to use SPSS Modeler Social Network Analysis (SNA) functionality, SPSS Modeler Premium Server must be installed and launched as **root**. If you have previously installed SPSS Modeler Server as non-root, and are upgrading to SPSS Modeler Premium Server to use SNA, you must reinstall and launch SPSS Modeler Server as **root**. If you will only use SPSS Modeler Text Analytics and SPSS Entity Analytics functionality in SPSS Modeler Premium, then you can install and launch using non-root.

Installing

Important: To install, you must be logged on to your computer with administrator privileges.

Installing on Windows systems

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

To install IBM SPSS Modeler Premium Server, perform the following steps.

1. Log on to the server computer with administrator privileges.
2. For your downloaded eAssembly:
   - Double-click the file and extract the installation files.
   - Go to the location where the installation files were extracted and double-click *Server64.exe*.
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 Premium Server must be installed to the SPSS Modeler Server installation location. If SPSS Modeler Server is not installed, the IBM SPSS Modeler Premium Server installation will fail.

You must ensure that kernel limits on the system are sufficient for the operation of IBM SPSS Modeler Premium Server. We recommend that at least 4GB is available. Use the command `ulimit -a` to establish the existing size and increase it if required.

Important: If you intend to use Social Network Analysis (SNA) functionality, SPSS Modeler Premium Server must be installed and launched as **root**. If you have previously installed SPSS Modeler Server as non-root, and are upgrading to SPSS Modeler Premium Server to use SNA, you must reinstall and launch SPSS Modeler Server as **root**. If you will only use Text Analytics and Entity Analytics functionality in SPSS Modeler Premium, then you can install and launch using non-root.

To install SPSS Modeler Premium Server, perform the following steps:

1. Ensure that SPSS Modeler is not running on the target machine.
2. Log in as the user that installed SPSS Modeler ServerProfessional, and ensure this user can execute the installer.

    Note: If you will be using SNA, you must log in as **root** (see the **Important** note above for details).
3. For your downloaded 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.

    Note: If you are in a shell, instead of a user interface, extract the files by using the command `unzip <image name>.zip`.
4. Run the `.bin` file (for example; `premium_server_aix64.bin` or `premium_server_zlinux64.bin`). If you will be using SNA, make sure the install script can be executed by **root**.
5. Follow the displayed instructions. When prompted for an installation directory, use the SPSS Modeler Server installation directory. If you specify a different directory, an error message is displayed.
6. When installation has completed, restart the SPSS Modeler Server host.

Silent installation

Silent mode enables an installation to run on its own without any interaction; installing silently can free system administrators from the task of monitoring each installation and providing input to prompts and dialog boxes. This method is especially useful when you are installing SPSS Modeler Premium on a number of different computers that have identical hardware.

Note: You must have administrator privileges to be able to run silent installations.

Windows - silent installation

You can complete a silent installation on Windows systems by using Microsoft Installer (MSI). Use `msiexec.exe` to install the MSI package.

The following options can be used:

Table 2. Silent installation options

Option	Description
/i	Specifies that the program is to install the product.
/l*v	Specifies verbose logging. For example, this form of log can be useful if you need to troubleshoot an installation.
/qn	Runs the installation without running the external user interface sequence.
/s	Specifies silent mode.

Table 2. Silent installation options (continued)

Option	Description
/v	Specifies that the Setup Program passes the parameter string to the call it makes to the MSI executable file (`msiexec.exe`). The following syntax requirements apply if you use this option: • You must place a backslash (\) in front of any quotation marks (" ") that are within existing quotation marks. • Do not include a space between the /v option and its arguments. • Multiple parameters that are entered with the /v option must be separated with a space. • To create a log file, specify the directory and file name at the end of the command. The directory must exist before you start the silent installation.
/x	Specifies that the program is to uninstall the product.

The following text shows an example of the MSI command:

```
c:\>msiexec.exe /i ModelerPremiumServer64.msi /qn /L*v
 c:\temp\Modeler_Silent_Install.log
 AgreeToLicense=true
```

Note: Depending on your system, you might need to change the `.msi` file in the preceding example. The `.msi` versions for SPSS Modeler Premium Server are shown in the following list.

- `ModelerPremiumServer64.msi` - 64-bit
- `ModelerPremiumServerJP.msi` - 64-bit Japanese

Windows - silent uninstalling

The following text shows an example of the MSI command to silently uninstall the software:

```
C:\>msiexec.exe /x ModelerPremium64.msi /qn /norestart
```

Linux / UNIX - silent installation

To complete a silent installation on Linux or UNIX systems:

1. In the same location where you copied the installer files, create an `installer.properties` file.
2. In a text editor, set the `installer.properties` values. The following text shows an example of an `installer.properties` file:

```
=============================================
# Thu Jan 29 11:35:37 GMT 2015
# Replay feature output
# --------------------
# This file was built by the Replay feature of InstallAnywhere.
# It contains variables that were set by Panels, Consoles or Custom Code.

#Indicate whether the license agreement been accepted
#---------------------------------------------------
LICENSE_ACCEPTED=TRUE

#Choose Install Folder
#--------------------
USER_INSTALL_DIR=/usr/IBM/SPSS/ModelerServer/17.0

#Install
=============================================
```

3. Ensure that the value for `USER_INSTALL_DIR` matches your installation directory location. The directory path cannot contain spaces.
4. Save the file.
5. Run the installer by using the following command:

```
./<installer_name> -i silent -f installer.properties
```

Where `<installer_name>` is the installer `.bin` file.

Linux / UNIX - silent uninstalling

To silently uninstall the software, you can run the uninstaller in one of two ways:

- Execute the following command:

```
./<installer_path>/Uninstall_IBM_SPSS_MODELER_PREMIUM_SERVER/Uninstall_IBM_SPSS_MODELER_PREMIUM_SERVER
 -i silent
```

  Where `<installer_path>` is the path name to the IBM SPSS Modeler Server installation directory.

- Alternatively, if you have an `installer.properties` file, the following text shows an example of the command to silently uninstall the software:

```
./premium_server_linux64.bin -i silent -f ./installer.properties
```

After you install SPSS Modeler Premium Server

SPSS Entity Analytics repository creation

To create an SPSS Entity Analytics repository in the DB2 instance, follow the steps below.

Windows

1. Add an environment variable called: `ICC_PKCS11_ROOT`. Ensure that the user you are logged into Windows as has full permissions on the folder.
2. Start SPSS Modeler and connect to SPSS Modeler Server.

   Ensure that the user you are logged into SPSS Modeler Server as has full permissions on the: `C:\ProgramData\IBM\SPSS\Modeler\18\EA\g2_config.xml` file, and is a member of the DB2ADMNS group on the server.
3. Open the EA Export node and, from the **Entity repository** drop-down list, select **<Browse..>**.
4. In the Entity Repositories dialog box, from the **Repository name** drop-down list, select **<Create\Add new repository..>**.
5. In step 1. of the Create/Add Repository wizard, specify a **User name** and **Password** that must be used by all SPSS Entity Analytics users to access the SPSS Entity Analytics repository. This **User name** must be an existing user on the operating system that is a member of the DB2ADMNS group. If they are not, repository creation fails and an error message is displayed. The user does not have to be the DB2 instance owner.

   Note: Do NOT specify a login that contains an exclamation mark character (!) in either the **User name** or **Password** as this will cause repository creation to fail.
6. In step 2. of the Create/Add Repository wizard, specify a **New repository name** and press OK. If the error: `Error on operating config XML file` is displayed verify step 1 above and retry.

   Note: After the repository is created, users can read and write records from and to the repository as long as the connected SPSS Modeler Server user is in either the DB2USERS or DB2ADMNS group.

Note: If DB2 is not on the same machine as SPSS Modeler, you must catalog the remote DB2 instance on the SPSS Modeler Server machine and create the `DB2NODENAME` system environment variable on the SPSS Modeler Server machine referring to the locally cataloged instance name.

UNIX

1. In the SPSS Modeler Server installation directory, edit the `modelersrv.sh` startup script, as in the following example.

Note: In this example, `/opt/ibm/V10.5` is the DB2 installation directory, and `/home/g2user` is the home directory of the owner of the DB2 instance that you are creating the SPSS Entity Analytics repository in.

```
DB2_INSTALL_PATH=/opt/ibm/V10.5/
export DB2_INSTALL_PATH
DB2_INSTANCE_HOME=/home/g2user
export DB2_INSTANCE_HOME
ICC_PKCS11_ROOT=<your secure store path>
export ICC_PKCS11_ROOT
```

2. Start SPSS Modeler and connect to SPSS Modeler Server.

   Note: To do this, you must be a member of the db2iadm1 group on the server machine and have full permissions on the `<modeler-installation-directory>\ext\bin\pasw.entityanalytics\data` and the `<modeler-installationdirectory>\ext\bin\pasw.entityanalytics\EA` directory and its children.

3. Open the EA Export node and, from the **Entity repository** drop-down list, select **<Browse..>**.

4. In the Entity Repositories dialog box, from the **Repository name** drop-down list, select **<Create\Add new repository..>**.

5. In step 1. of the Create/Add Repository wizard, specify a **User name** and **Password** that must be used by all SPSS Entity Analytics users to access the SPSS Entity Analytics repository. This **User name** must be an existing user on the operating system of the SPSS Modeler Server host that is a member of the db2iadm1 group. If they are not, repository creation fails and an error message is displayed. The user does not have to be the DB2 instance owner.

   Note: Do NOT specify a login that contains an exclamation mark character (!) in either the **User name** or **Password** as this will cause repository creation to fail.

6. In step 2. of the Create/Add Repository wizard, specify a **New repository name** and press OK. If the error: `Error on operating config XML file` is displayed verify step 1 above and retry.

   Note: To be able to read from and write to the repository, a user that is logged into SPSS Modeler Server must have write permissions on the `<ModelerServer>/ext/bin/pasw.entityanalytics/EA/log` and `<ModelerServer>/ext/bin/pasw.entityanalytics/EA/tmp` directories.

Note: If the DB2 instance is running on a separate machine, you must catalog the instance on the local machine and set the variable DB2NODENAME to the instance name in `modelersrv.sh`. For example if the instance is cataloged to EAREPOSITORY:

```
DB2NODENAME=EAREPOSITORY
export DB2NODENAME
```

Failure to create an EA repository against Modeler Premium Server on Linux and AIX

In Linux this can be caused by an incorrect path to find `libdb2.so` when you run `executeg2.sh`. The correct path is:

```
LD_LIBRARY_PATH=$LD_LIBRARY_PATH:$DB2_INSTALL_PATH
/lib64:$DB2_INSTALL_PATH/lib32:$G2DIR/../../../../b
in:$G2DIR/../../../..
```

In AIX, this can be caused by incorrect details in `createg2.sh`; the correct details are:

```
#TEMPPASSWORD=${PASSWORD//\\/\\\\}
#TEMPPASSWORD=$ {TEMPPASSWORD//\#/\\#}
#TEMPUSER=${USERNAME//\#/\\# }
sed
"s#{DataFolder}#$GNRDATADIR#g;s#{Port}#$PORT#g;s#{Database}#$INSTANCENAME#g" $G2INI > $TMPG2INI
```

SPSS Modeler Text Analytics data directory location

By default, SPSS Modeler Text Analytics will use the default installation locations to update and write files as necessary in the normal operation of SPSS Modeler Text Analytics .

On the SPSS Modeler Text Analytics server, output is written to both the web services log file and session directories as well as to temporary files. For the server, the default server installation directory is `C:\Program Files\IBM\SPSS\Modeler\18\ext\bin\spss.TMWBServer\`.

By default, the log file is `C:\ProgramData\IBM\SPSS\TextAnalytics\18\log\wrapper.log`. To use another file or directory, update the wrapper.logfile= value specified in the configuration file, `<server_install_directory>\bin\wrapper.conf`.

By default, the session directory is `C:\ProgramData\IBM\SPSS\TextAnalytics\18\Session`. To use another file or directory, specify the new location in the configuration file, `<server_install_directory>\conf\ta_server.conf`, using the instructions also contained in this file.

Temporary files are created (and deleted) automatically on the server during typical use. By default, they are written to `C:\ProgramData\IBM\SPSS\TextAnalytics\18\temp`. To use another directory for temporary files, update the attachmentDIR parameter value specified in the configuration file, <server_install_directory>\conf\axis2.xml

Note: If you specify a new directory, you must ensure that the directory exists.

Upgrading an SPSS Entity Analytics repository from a previous release

After you install SPSS Modeler Premium, but before you first use SPSS Entity Analytics, you must take the actions that are shown in the following list to complete the upgrade.

Note: After you upgrade your DB2 database to be usable in the current SPSS Modeler version, it will no longer be usable in the previous version.

- Back up the DB2 database that includes the SPSS Entity Analytics repository that is to be upgraded, and upgrade the repository. For more information, see "Backup the DB2 database and upgrade the repository" on page 7.
- Move the g2_config.xml instance, for the repository that is being upgraded, from the previous SPSS Modeler release version of the file to the current SPSS Modeler release version. For example, from SPSS Modeler 17.1 to SPSS Modeler 18.0. For more information, see "Move the g2_config.xml instance for the repository being upgraded" on page 7
- Move the folder for each repository that is to be upgraded from the previous SPSS Modeler release location to the current SPSS Modeler release location. For more information, see "Move the folder for the repository to the current SPSS Modeler version" on page 8.
- Initialize the token and secure store, and extract the salt value from the g2.ini file of the previous SPSS Modeler release. For more information, see "Initialize the token and secure store, and extract the salt value" on page 8.
- Modify the g2.ini file. For more information, see "Modify the g2.ini file" on page 9.

Backup the DB2 database and upgrade the repository

To backup the DB2 database that includes the SPSS Entity Analytics repository, and upgrade the repository, complete the following steps:

1. Log in as an Administrator and open the IBM DB2 command window.
2. Backup your existing databases. To do this, type the following commands, substituting your database name for {DB}, your user name for {USER}, and your password for {PASSWORD}. In addition, replace {C:\} with the path where you want to locate the backup.

    a. `db2 CONNECT TO {DB} USER {USER} USING {PASSWORD}`

    b. `db2 QUIESCE DATABASE IMMEDIATE FORCE CONNECTIONS`

    c. `db2 CONNECT RESET`

    d. `db2 BACKUP DATABASE {DB} USER {USER} USING {PASSWORD} TO {C:\} WITH 2 BUFFERS BUFFER 1024 PARALLELISM 1 COMPRESS WITHOUT PROMPTING`

    e. `db2 CONNECT TO {DB} USER {USER} USING {PASSWORD}`

    f. `db2 UNQUIESCE DATABASE`

    g. `db2 CONNECT RESET`

3. Update the SPSS Entity Analytics repository:

    a. `db2 connect to {DB} user {USER} using {PASSWORD}`

    b. cd C:/Program Files/ibm/SPSS/Modeler/*<current_version_number>*/ext/bin/pasw.entityanalytics/ templates

    c. Enter the command to update from the previous SPSS Modeler version to the current version. For example: `db2 -tvf Upgrade17to18.sql`

4. Exit from the command window. To do this, type `exit`.

Move the g2_config.xml instance for the repository being upgraded

The file `g2_config.xml` is used by SPSS Entity Analytics components to locate the SPSS Entity Analytics web service for a named repository. To move the `g2_config.xml` instance, complete the following steps:

1. Edit the `g2_config.xml` file from the previous SPSS Modeler version. For example, for SPSS Modeler version 17.1 the default locations for this file are:

   - **Windows** `C:\ProgramData\IBM\SPSS\Modeler\17.1\EA\g2_config.xml`
   - **UNIX** *<modeler17.1-install-directory>*`/ext/bin/pasw.entityanalytics/EA/g2_config.xml`

2. Find and remove the instance for the repository being upgraded. For example, if you were upgrading a repository called *AAA* from SPSS Modeler version 17.1, you would remove the following:

   ```
   <instance external="false" g2host="localhost" g2port="1321" host="9.30.214.79"
           name="AAA"
           path="C:\ProgramData\IBM\SPSS\Modeler\17.1\EA\repositories\AAA\g2.ini"
           port="1320"/>
   ```

3. Edit the `g2_config.xml` file for the current SPSS Modeler version. For example, for SPSS Modeler version 18.0 the default locations for this file are:

   - **Windows** `C:\ProgramData\IBM\SPSS\Modeler\18.0\EA\g2_config.xml`
   - **UNIX** *<modeler17.1-install-directory>*`/ext/bin/pasw.entityanalytics/EA/g2_config.xml`

4. Add the instance removed in Step 2 and update its path by changing from the previous SPSS Modeler version number to the current version number.

   For example, if upgrading from SPSS Modeler 17.1 to 18.0:

   ```
   <g2instances>
   .
   .
   <instance external="false" g2host="localhost"
           g2port="1321" host="9.30.214.79" name="AAA"
           path="C:\ProgramData\IBM\SPSS\Modeler\18.0\EA\repositories\AAA\g2.ini"
           port="1320"/></g2instances></config>
   ```

Move the folder for the repository to the current SPSS Modeler version

You must move the folder for the repository from the previous SPSS Modeler version location to the current SPSS Modeler version location. For example, if you are upgrading a repository called AAA, move the folder named AAA and all of its contents.

For example, if moving the repository from SPSS Modeler version 17.1 to version 18.0, the default locations for the repository are:

- **Windows** From: C:\ProgramData\IBM\SPSS\Modeler\17.1\EA\repositories, to: C:\ProgramData\IBM\ SPSS\Modeler\18.0\EA\repositories
- **UNIX** From: *<modeler17.1-install-directory>*/ext/bin/pasw.entityanalytics/EA/repositories, to: *<modeler18.0-install-directory>*/ext/bin/pasw.entityanalytics/EA/repositories

Initialize the token and secure store, and extract the salt value

You must initialize the token and secure store, and extract the salt value from the g2.ini file of the previous SPSS Modeler version location for use in the current SPSS Modeler version.

For example, if you are moving the repository from SPSS Modeler version 17.1 to version 18.0:

Windows

Change the ICC_PKCS11_ROOT environment variable, so that ICC_PKCS11_ROOT=*<the path to the folder that contains your secure store file>,* and then run the following commands:

```
set path=<modeler18.0-install-directory>\bin;<modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\g2;
<modeler18.0-install-directory>

cd <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\g2

ssadm -c <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates\g2.ini
 -tokinit -label g2securestore <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates
 \Valid-SOPIN.txt

ssadm -c <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates\g2.ini
 —ssinit < modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates\SOPIN.txt

saltadm -c <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates\g2.ini
 -legacy —ini the g2.ini file of 17.1 -name yoursaltName
 <modeler18.0-install-directory>\ext\bin\pasw.entityanalytics\templates\SOPIN.txt
```

These commands provide the salt NAME and CHECKSUM in the following format:

```
[SALT]
NAME=g2salt_1327
CHECKSUM=EmPtyghpZdbSdjAq+Ss0dA==
ANONYMIZATION=SHA2
```

You will need the NAME and CHECKSUM when you complete the steps in the topic: "Modify the g2.ini file" on page 9.

UNIX

Run the following commands:

```
export ICC_PKCS11_ROOT=<the folder where you store the file of the secure store>
```

- For **Linux and Linux for System z**:

  ```
  export LD_LIBRARY_PATH=<modeler18.0-install-directory>/bin:<modeler18.0-install-directory>:
  <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/g2
  ```

- For **AIX**:

  ```
  export LIBPATH=<modeler18.0-install-directory>/bin:<modeler18.0-install-directory>:
  <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/g2
  ```

```
cd <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/g2

./ssadm -c <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/templates/g2.ini
 -tokinit -label g2securestore <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/templates/
 Valid-SOPIN.txt

./ssadm -c <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/templates/g2.ini
 —ssinit <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/templates/SOPIN.txt

./saltadm -c <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/templates/g2.ini
 -legacy —ini your g2.ini file of 17.1 -name yoursaltName
 <modeler18.0-install-directory>/ext/bin/pasw.entityanalytics/templates/SOPIN.txt
```

These commands provide the salt `NAME` and `CHECKSUM` in the following format:

```
[SALT]
NAME=g2salt_1327
CHECKSUM=EmPtyghpZdbSdjAq+Ss0dA==
ANONYMIZATION=SHA2
```

You will need the `NAME` and `CHECKSUM` when you complete the steps in the topic: "Modify the g2.ini file" on page 9.

Modify the g2.ini file

You must copy the `g2.ini` file from the latest SPSS Modeler version to replace the previous file. To do this, follow these steps:

1. Copy the `g2.ini` of the latest SPSS Modeler version to your repository folder to replace the old `g2.ini` file.

   An example of the location of the `g2.ini` is: *<modeler18.0-install-directory>* `/ext/bin/ pasw.entityanalytics/EA/ templates`.

   As an example, if you are upgrading a repository called *AAA*, the default locations of the of the repository folder files to edit for SPSS Modeler 18.0 would be:

   - **Windows**: `C:\ProgramData\IBM\SPSS\Modeler\18.0\EA\repositories\AAA\g2.ini`
   - **UNIX**: *<modeler18.0-install-directory>*`/ext/bin/pasw.entityanalytics/EA/repositories/AAA/ g2.ini`

2. In the `[PIPELINE]` section, in the `SUPPORTPATH` entry, change the paths from the previous version to the latest version (for example, from 17.1 to 18.0).

3. In the `[SALT]` section, replace the salt `NAME` and `CHECKSUM` entries with those you created when you completed the steps in the topic: "Initialize the token and secure store, and extract the salt value" on page 8.

Removing SPSS Entity Analytics repository

If you installed the optional DB2 10.5 as the SPSS Entity Analytics repository and want to uninstall it, follow the instructions on: Uninstalling DB2 database products.

Backup and restore SPSS Entity Analytics repository

If you installed the optional DB2 10.5 as the SPSS Entity Analytics repository and want to create a backup of it, follow the instructions on: DB2 - Backup overview. If you have a backed up copy of the repository that you need to restore, follow the instructions on: DB2 - Restore overview.

SPSS Modeler Social Network Analysis Cluster nodes

Cluster node installation

IBM SPSS Modeler Social Network Analysis cluster nodes allow social network processing to be distributed over multiple systems, reducing the processing load on any one machine. The cluster node installation needs to be performed on every system that will participate in the cluster environment.

Installing on Windows systems

You can install cluster nodes to any destination folder, but you must install the cluster node on the computer from which the setup is being run. You cannot install to a network location.

Windows Server

Note: You must run the *sna_worker_installer.exe* as administrator:

To install a cluster node on Windows Server, perform the following steps:

1. Double-click the downloaded file and extract the installation files.

2. Using Windows Explorer, browse to the location where the installation files were extracted.
3. Right-click *sna_worker_installer.exe* in the *Windows* subfolder and choose **Run as Administrator**. Alternatively, go to the location where the installation files were extracted and click on *sna_worker_installer.exe*.
4. Choose Install IBM SPSS Modeler Social Network Analysis (Cluster node).
5. Follow the instructions that appear on the screen.

Installing on UNIX systems

To install a cluster node, perform the following steps:

1. Log in as **root**.
2. The downloaded installation media is a compressed archive; extract the files in the archive.
3. Change to the directory where the installer file was extracted.
4. Run the `.bin` file; for example, `premium_worker_aix64.bin` or `premium_worker_linux64.bin`. Make sure the install script can be executed by *root*.
5. Follow the displayed instructions.

Removing from Windows systems

To uninstall a cluster node for IBM SPSS Modeler Server Social Network Analysis, 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 Social Network Analysis cluster node 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 a cluster node for IBM SPSS Modeler Social Network Analysis, remove the following program files:

- *$installLoc/MPICH2*
- *$installLoc/TABI*

The value of *$installLoc* corresponds to the IBM SPSS Modeler Social Network Analysis cluster node installation path.

Administration tool

After installing IBM SPSS Modeler Server Social Network Analysis, you must configure your environment. The installation includes an administration tool for specifying the necessary configuration settings.

Starting the administration tool

You can execute the administration tool automatically when the IBM SPSS Modeler Server Social Network Analysis installation completes. You can also execute the tool manually at any time to update configuration settings.

To run the administration tool manually, execute the administration tool file for the server from the installation location. The IBM SPSS Modeler Server Social Network Analysis administration tool is

available from *<installLoc>*\TABI\adminTool_server, where *<installLoc>* corresponds to the installation location of IBM SPSS Modeler Server Social Network Analysis; this is normally the IBM SPSS Modeler Server installation location.

Specifying configuration settings

The administration tool consists of a series of prompts for configuration settings when you administer the IBM SPSS Modeler Server Social Network Analysis.

- **MPD hosts**. Enter the name or IP address of each cluster node. Host information is saved in $HOME/mpd.hosts.
- **Working directory**. Specify a public directory that all cluster nodes can access by using the same path.
- **Temporary directory**. Define a temporary directory used for interim and internal processing files.
- **Number of processes**. Specify the number of hosts in the cluster.

Note: If you changed the *Working* directory, *Temporary* directory, or *Number of processes*, perform the following steps:

1. If on a UNIX system, run the shell command: *source $HOME/SNA.profile*.
2. Restart IBM SPSS Modeler, or IBM SPSS Modeler Server, as applicable.

Removing IBM SPSS Modeler Premium Server

Removing from Windows systems

To uninstall IBM SPSS Modeler Premium Server, 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 Premium Server 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 Premium Server, remove the program files and, if you have configured the system for automatic start up, disable automatic start up.

Index

A
administration tool   20
   settings   21
   starting   20

C
cluster nodes
   administration tool   20
   installing   19, 20
   removing   20

I
IBM SPSS Modeler Premium overview   1
IBM SPSS Modeler Server Social Network
  Analysis
   administration tool   20
installing
   cluster nodes   19, 20

M
MPD hosts   21

P
processes
   number of   21

R
removing
   cluster nodes   20

T
temporary directory   21

U
UNIX
   installing cluster nodes   20
   removing cluster nodes   20

W
Windows
   installing cluster nodes   19
   removing cluster nodes   20
working directory   21

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