



Client Installation Guide SAP Strategy Management Excel Add-In 10.1

Target Audience

- End-Users
- System Administrators
- Technology Consultants

CUSTOMER

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Document History



CAUTION

Before you start the implementation, make sure you have the latest version of this document. You can find the latest version on the SAP Help Portal at <http://help.sap.com/bosm101>.

The following table provides an overview on the most important document changes:

Version	Date	Description
1.0	2013-10-01	Initial version

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1 Introduction

Excel Add-In allows you to seamlessly integrate the capabilities of the SAP Strategy Management environment into your Microsoft Excel solutions. You can use Excel Add-In to select and arrange data from a strategy management Application Server dimensional model in a Microsoft Excel worksheet. Excel Add-In appears in the Excel program with its own menu and toolbar.

Using Excel Add-In, you can perform the following tasks:

- Select and arrange the view of Application Server data by dragging dimensions and variables on the *Viewer* tab of the *Dimensional Model* dialog box.
- Drill up and down on data.
- Create multiple views of Application Server data from different databases in a single Microsoft Excel worksheet.
- Update a worksheet with the most current data from Application Server.

1.1 About this Document

This guide explains how to install and configure Excel Add-In on your Microsoft Windows client machine, load the Excel Add-In into Microsoft Excel, and start your first session. If you installed Excel Add-In to a nondefault location, this guide explains how to specify a path to the new location. If you want to modify the default logon to strategy management Interactive Publisher, which occurs when you start Excel Add-In, this guide provides information about all the logon configurations.

End-users who want to select and arrange data from an Application Server dimensional model in a Microsoft Excel worksheet must run the Excel Add-In installation to install this program on their Microsoft Windows client machines.

This guide also explains how to uninstall Excel Add-In, and any upgrade procedures you must carry out during a new release.

Integration

Excel Add-In allows you to select data from Application Server using Interactive Publisher as the communication vehicle. When you start an Excel Add-In session in Microsoft Excel, you log on to Interactive Publisher session to receive data from Application server.

Excel Add-In is integrated with Interactive Publisher, which is installed on a Microsoft Windows server by your system administrator. Interactive Publisher is integrated with Application Server, which is installed on a Microsoft Windows server or Linux/UNIX server by your system administrator.

1.2 SAP Notes for the Installation

You must read the following SAP Notes before you start the installation. These SAP Notes contain the most recent information on the installation, as well as corrections to the installation documentation. Make sure that you have the up-to-date version of each SAP Note, which you can find on SAP Service Marketplace at <http://service.sap.com/notes>.

SAP Note Number	Title
1905391	Central Note: SAP Strategy Management 10.1
1911198	Release Restrictions Note: SAP Strategy Management 10.1

1.3 Information Available on SAP Service Marketplace

Information on the following areas is available on SAP Service Marketplace.

General Quick Links

Description	Internet Address
SAP Notes	http://service.sap.com/notes
Excel Add-In installation	http://service.sap.com/swdc
Product Availability Matrix (PAM)	http://service.sap.com/pam

1.4 Naming Conventions

In this documentation, the following naming conventions apply:

Variables	Description
<nw_server>:<port>	Server name or IP address and port where SAP NetWeaver is installed and strategy management application components are deployed

2 Planning

You install Excel Add-In on a Microsoft Windows client machine. For supported versions of Windows, see the *Product Availability Matrix* at <http://service.sap.com/pam>. Then search on *strategy management*.

The following documentation is required for Excel Add-In:

- *Client Installation Guide for Excel Add-In* (this guide) located on the Service Marketplace
- Excel Add-In online Help (accessible from the *Help* button in the Excel Add-In toolbar in Excel)

Default Directory Location

The recommended default directory to install Excel Add-In is <drive>:\Program Files (x86)\SAP Strategy Management\WebExcel.

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3 Preparation

Process Flow

1. Obtain the Excel Add-In installation file from your strategy management administrator.
2. Review hardware and software requirements.
3. Review installation prompts.
4. Review file systems and directories and virtual directories that are put down by the installation.

3.1 Obtaining the Excel Add-In Installation File

Your system administrator must download the application download file from the Software Download Center in SAP Service Marketplace, extract its contents, and make the Excel Add-In installation file available to you.

The Excel Add-In installation filename is `xSSMWea.exe`.

Procedure

If you do not yet have the Excel Add-In installation file, you must obtain the file from your system administrator and copy it to your machine.

3.2 System Requirements

Your administrator has installed and configured the server components of the application.

To install Excel Add-In on a Microsoft Windows client machine, you need the following:

- The installation file
- Microsoft Windows. For supported versions of Windows, see the *Product Availability Matrix* at <http://service.sap.com/pam>. Then search on *strategy management*.
- Microsoft Excel is installed on your machine

To run Excel Add-In on a Microsoft Windows client machine, your administrator has created a dimensional model in Application Server that contains the dimensions and measures you want to analyze in Excel Add-In. The administrator has associated the dimensional model with a model connection and your Web authentication user is added to that model connection.

3.3 Installed Files and File Systems

During installation, the following directory is created on your Microsoft Windows XP client machine:

\Program Files (x86)\SAP Strategy Management\WebExcel

It is populated with the files:

- Asapi.dll
- Asselector.deu
- Asselector.dll
- Asselector.eng
- Asselector.fra
- Astools.deu
- Astools.dll
- Astools.eng
- Astools.fra
- Asvexcel.deu
- Asvexcel.eng
- Asvexcel.fra
- Asvexcel.xll
- Asviewer.deu
- Asviewer.dll
- Asviewer.eng
- Asviewer.fra
- Ctxt_deu.hlp
- Ctxt_eng.hlp
- Ctxt_fra.hlp
- Lshlist.dll
- Lstabd1g.dll
- Release.txt
- ROBOEX32.DLL
- Weburl.deu
- Weburl.dll
- Weburl.eng
- Weburl.fra
- Xlad_deu.cnt
- Xlad_deu.hlp
- Xlad_eng.cnt
- Xlad_eng.Hlp
- Xlad_fra.cnt

- `Xlad_fra.hlp`

The following file is added to your Microsoft Windows system directory: `Lsviwer.ini`.

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4 Installation

This section describes how to install Excel Add-In and how to cancel the installation if necessary.

4.1 Installing Excel Add-In

Prerequisites

The Excel Add-In installation file, `xSSMWea.exe`, is located on your machine.

Procedure

1. Run the `xSSMWea.exe` installation file.
2. In the first screen, click *Next*.
3. In the next screen, select *Strategy Management Web Excel Add-In* and click *Next*.
4. In the *Path* selection screen, click *Next* to accept the default path of `<drive>:\Program Files (x86)\SAP Strategy Management`, or click *Browse* to browse for a location and then click *Next*.
5. In the final success screen, click *Finish*.



NOTE

In any wizard screen, you can interrupt the installation by clicking *Cancel* if you need to postpone the installation until a later time.

Result

By default, the Excel Add-In software is installed in the `\Program Files (x86)\SAP Strategy Management\WebExcel` directory.

4.2 Verifying the Installation Version

You can verify the current version of Excel Add-In.

Procedure

1. In the `<drive>:\Program Files\SAP Strategy Management\WebExcel` directory, open the `release.txt` file in a text editor.
2. Review the version information in the file.

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5 Post-Installation

Process Flow

1. The Excel Add-In saves configuration information in the file `c:\Windows\lsserver.ini`. In order for the Add-In to write to this file, the Excel application must be started in Administrator mode.
2. If you installed Excel Add-In to a non-default location, first set the path in the PATH environment variable. If this applies to you, this only needs to be done once.
3. Modify certain Java System Properties to set up *Basic Authentication*.
4. Start Microsoft Excel.
5. Load Excel Add-In. This only needs to be done once.
6. Use the application toolbar to start Excel Add-in and log into Interactive Publisher. If you can log in successfully, you have tested the connection. Successful completion of this task is a good test to show that you are set up correctly.
7. Log out of Interactive Publisher and exit from Microsoft Excel.

5.1 Configure Excel to Run in Administrator Mode

Excel can be configured to run in Administrator mode every time it is started.

Procedure

1. Locate the EXCEL.EXE file in Microsoft Office install directory, typically `\Program Files (x86)\Microsoft Office\OfficeNN`.
2. Right-click on the file and select *Properties* from the menu.
3. Select the *Compatibility* tab in the *Properties* dialog and check *Run this program as an administrator* in the *Privilege Level* section.

5.2 Setting the PATH System Variable

If you installed Excel Add-In to a directory other than the default location `<drive>\Program Files (x86)\SAP Strategy Management\WebExcel`, then you must add the Excel Add-In path to the PATH system variable on your machine before you can start your first session. If you installed Excel Add-In to the default location, you can skip this topic.

Prerequisites

You have installed Excel Add-In to a non-default location.

Procedure

1. From the *Control Panel*, open the *System Properties* dialog box and click the *Advanced* tab.
2. Click the *Environment Variables* button.
3. In the *System variables* section, select the *Path* field and click *Edit*.
4. Add the following path to the *Variable value* field:

<drive>:\<inst-dir>

<drive> is the drive where you installed Excel Add-In.

<inst-dir> is the path location where you installed Excel Add-In using 8.3 DOS standard. Long names and spaces are not allowed. For example, if Excel Add-In is installed in <drive>:\Program Files (x86)\SAP Strategy Management\WebExcel, then the path to be added may look like this:
 <drive>:\progra~1\SAPBUS~1\STRATE~1\WebExcel.



NOTE

To find the short names of directories, open a DOS window, issue the **cd** command to go to the appropriate parent directory, and then issue a **dir/x** command. This command lists the short names of the underlying files or directories.

5.3 Setting Up Basic Authentication

To log into Excel Add-In, you must be set up to run in Basic Authentication.

You must set the *AuthType* Java System Property in SAP NetWeaver to a value of *UME*. This is the default value. You must set the *DirectoryServiceType* Java System Property to a value of *UME_CACHE*, which is the default value.

For more information about configuring Java System Properties for strategy management, see the *Installation Guide for SAP Strategy Management* on the SAP Help Portal at <http://help.sap.com/bosm101>. Review the topic *Configuring the Application Properties*.

5.4 Starting Microsoft Excel and Loading the Excel Add-In

Prerequisites

You have Microsoft Excel installed.

Procedure

1. Start Microsoft Excel.
2. Choose **► Tools → Macro → Security ◀** to display the *Security* dialog box.
3. Do one of the following:
 - In the *Security Level* tab, choose a *Low* security level.
 - In the *Security Level* tab, choose a *Medium* or *High* security level. Then in the *Trusted Sources* tab, select *Trust all installed add-ins and templates*.

5.5 Starting Your First Excel Add-In Session

4. Click *OK* to close the *Security* dialog box.
5. Choose ► *Tools* → *Add-Ins* ◀ to display the *Add-Ins* dialog box.
6. Do one of the following:
 - If *Strategy Management* appears in the *Add-Ins available* list box, select the option.
 - If *Strategy Management* does not appear in the *Add-Ins available* list box, click *Browse* to locate the file *ASVEXCEL.XLL*, which resides in the Excel Add-In installation directory. By default, this directory is `<drive>:\Program Files (x86)\SAP Strategy Management\WebExcel`. When you locate the file, select it and click *OK*.
7. Click *OK* to close the *Add-Ins* dialog box.

Result

The *SM Add-In* menu and toolbar appear in the Microsoft Excel window.

5.5 Starting Your First Excel Add-In Session

Prerequisites

Excel Add-In is loaded into Microsoft Excel.

Your system administrator has set the *AuthType* and *DirectoryServiceType* Java System Properties in SAP NetWeaver to allow for *Basic Authentication*. For more information, see *Setting Up Basic Authentication* [[page 18](#)].

Procedure

1. Start Microsoft Excel.
2. From the *SM Add-In* menu, choose *Login*. Or, click the *Login/Logout* button on the *SM Add-In* toolbar. A logon dialog box appears so you can log on to Interactive Publisher.
3. In the *Username* text box, type your Web authentication username.
4. In the *Password* text box, type your password.
5. In the *Host* text box, specify the host name where SAP NetWeaver resides, in the format `http://<nw_server>:<port>`.
6. The *Pathname* text box displays the virtual path and location of the Interactive Publisher scripting program. It says `/strategyServer/scriptmain.pw`. You can skip over this text box.
7. (Optional) Click *Save as default* to replace the current default values in the `Lsviwer.ini` file with the options you specify. The next time you click the *Login/Logout* button, you are automatically logged in and you are not prompted with a *Login* dialog box.
8. Click *OK*. You are now logged into Interactive Publisher.

**NOTE**

- At any time, you can modify the `[PIPServer]` section of your `Lsviwer.ini` (located in your Microsoft Windows directory) to control the display of the *Login* dialog box, and whether to

sign on automatically or be prompted to sign on. For information, see *Customizing the Logon Process* [page 20] and *LSVIEWER.INI Settings* [page 27].

- If you are only viewing or charting the data in the worksheet, you do not need to log in to Interactive Publisher.
- To create a new worksheet, update data, change the model, drill up or down on data, or change the selection or arrangement of data, you must log into Interactive Publisher.
- The *Login/Logout* button remains selected when you are logged into the system.
- Do not include an underscore in any logon names.

5.6 Customizing the Logon Process

You can modify the [PIPServer] section of your `Lsviwer.ini` file located in your Microsoft Windows directory to control whether you want to be prompted with a *Login* dialog box or log on automatically when you click the *Login/Logout* button. If you want to be prompted with a *Login* dialog box, you can also specify parameters in `Lsviwer.ini` that provide default values for certain logon information in the *Login* dialog box.

For more information about the settings available in `Lsviwer.ini`, see *Appendix: LSVIEWER.INI Settings* [page 27].

Prerequisites

Excel Add-In is loaded into Microsoft Excel.

Your system administrator has set the *AuthType* and *DirectoryServiceType* Java System Properties in SAP NetWeaver to allow for *Basic Authentication*. For more information, see *Setting Up Basic Authentication* [page 18].

5.6.1 Displaying the Logon Box

This section explains how to log on with the following behavior:

- Display a *Login* dialog box when you click the *Login/Logout* button on the *SM Add-In* toolbar.
- When you click the *Login/Logout* button, the *Login* dialog box appears. Your username and password are filled in from the `PIPLogin` and `EncryptedPIPPassword` parameters from the `Lsviwer.ini` file. You can use those values or modify those values to log on as someone else.

Procedure

1. Locate the `Lsviwer.ini` file in your Microsoft Windows directory and open the file in a text editor.
2. In the [PIPServer] section, change the value of `DisplayLogin` to **Yes**. The end result should look like this:

```
DisplayLogin=Yes
```

5.6.2 Logging on Without the Logon Dialog Box

This section explains how to log on with the following behavior:

- Do not display a *Login* dialog box when you click the *Login/Logout* button on the *SM Add-In* toolbar.
- When you click the *Login/Logout* button, you are automatically logged on using the username and password values set in the `PIPLogin` and `EncryptedPIPPassword` parameters from the `Lsviewer.ini` file.

Procedure

1. Locate the `Lsviewer.ini` file in your Microsoft Windows directory and open the file in a text editor.
2. In the `[PIPServer]` section, change the value of `DisplayLogin` to **No**. The end result should look like this:

```
DisplayLogin=No
```

5.7 Logging Out

Procedure

1. From the *SM Add-In* menu, choose *Logout*. You receive a message asking to confirm that you want to log out.
2. Click *OK*.
3. In Microsoft Excel, choose ► *File* → *Exit* ◀.

Result

You are logged out from Interactive Publisher and exit from Microsoft Excel.

5.8 Accessing SM Add-In Online Help

Refer to the *SM Add-In Help* to learn how to use the product.

Procedure

1. Start Microsoft Excel if it is not already started.
2. Choose ► *SM Add-In* → *Help* ◀.

5.9 Excel Add-In Log Files

This section describes a summary of log files related to *Excel Add-In*.

For more information on the settings available in `Lsviewer.ini`, see *Appendix: LSVIEWER.INI Settings* [page 27].

Interactive Publisher Trace File

The Interactive Publisher trace file is set in `Lsviewer.ini` in the following section:

```
[PIPServer]
```

```
URLTrace=Y
```

When `URLTrace=Y`, a trace file is created in the `\Documents and Settings\user\Application Data\SAP Strategy Management` directory. The trace file is called `PIPURLTracenums.log`. For example, `PIPURLTrace671545328.log`.

Excel Add-In Trace File

The *Excel Add-In* trace is set in `Lsviewer.ini` in the following section:

```
[Debug]
```

```
Trace=1
```

When `Trace=1`, a trace file is created in the current directory where `excel.exe` was started. Usually it is in `<drive>:\Program Files (x86)\Microsoft Office\Office`. The trace file is called `lsviewer.trc`.

Excel Add-In Logs

Excel Add-In business logic errors are logged via the application component on the middle tier. *Excel Add-In* renders output as a result of a query made to the server tier. Any errors on the *Excel Add-In* client occur as Microsoft Excel errors. Logs get generated and can be viewed in *Log Viewer* after performing tasks in *Excel Add-In*.

The *Excel Add-In* uses the standard logging and tracing facilities in SAP NetWeaver Administrator. For information about using the *Log Viewer* to view *Excel Add-In* and application component log information, see the *Administrator's Guide for SAP Interactive Publisher and Application Components* on the SAP Help Portal at <http://help.sap.com/bosm101>. Review the topic *Application Components Logging and Tracing*.

6 Uninstalling and Upgrading Excel Add-In

6.1 Unloading the Add-In from Excel

If you want to completely remove Excel Add-In with no plans to reinstall a newer version, you must unload the Add-In from Microsoft Excel so that it does not appear in the Add-In menus. Then you can uninstall Excel Add-In.

If you are simply upgrading your version of Excel Add-In, you do not need to unload the Add-In. You can skip this section.

Procedure

1. Start Microsoft Excel if it is not already started.
2. Choose ► *Tools* → *Customize* ◀, and then click the *Toolbars* tab if it is not already selected.
3. Click the *Strategy Management* toolbar option, and click *Delete*.
4. You are prompted to confirm the deletion. Click *OK*.
5. Click *Close*.

6.2 Uninstalling Excel Add-In

You can uninstall Excel Add-In if you do not want to use the software on your machine.

If you want to upgrade from one Excel Add-In version to another, you can upgrade without uninstalling first. You can skip this topic.

Prerequisites

If you are uninstalling to completely remove Excel Add-In with no plans to reinstall a newer version, you must unload the Add-In from Microsoft Excel first before you uninstall.

Procedure

1. From the installation location, run the `xSSMWea.exe` file.
2. In the *Welcome* screen, click *Next*.
3. In the *SAP Product Selection* screen, deselect *SSM Web Excel Add-In* and click *Next*.
4. In the *Path* selection screen, click *Next* to accept the default path. Or, click *Browse* to browse to a location. Then click *Next*.
5. In the *SAPSetup* success screen, click *Finish*.

The uninstall program does not delete `lsviwer.ini` from the Microsoft Windows directory. If you want to completely remove Excel Add-In with no plans to upgrade, delete the `lsviwer.ini` file from the Microsoft Windows directory.

6.3 Upgrading From the 7.5 Series

Procedure

1. Make a backup copy of the `Lsviwer.ini` file located in your Microsoft Windows directory.
2. Back up all your Excel spreadsheets that use the Excel Add-In.
3. Install the new version according to the installation instructions in this guide.
4. Start Microsoft Excel.

7 Troubleshooting

This section describes common problems and solutions:

- When trying to connect to Excel Add-In, you get a message stating that Excel cannot access the Application Server model because the default model specified in `lsviewer.ini` is invalid, or you have not defined a default model.
You should exit from Excel Add-In, update `lsviewer.ini` to put the correct default model in `lsviewer.ini`, and restart Excel Add-In.
- When connecting to Excel Add-In, you get a message stating that you have entered an incorrect Login/Password.
You need to click Cancel to close the Login dialog, and then redisplay the Login dialog. Or, you may want to add the correct user name and password in `lsviewer.ini` file to use by default.
- You click the *Login/Logout* button and see the *Login* dialog with an additional message box that says *Opening*.
You need to cancel out of all these screens and select **► SM Add-In → Login ◀**.
- You are displaying a view in Excel Add-In and then you modify information in the *Properties* dialog. When you close the *Properties* dialog box, you get an *Analysis Server command* error message. This may indicate that the `template.strategy` Java system property is not set correctly. You must fix the property as follows:
 1. Start the SAP NetWeaver Administrator.
 2. Log on as administrator with the global password you provided when you installed SAP NetWeaver.
 3. Select *Configuration*.
 4. Click the *Infrastructure* tab.
 5. Select *Java System Properties*.
 6. In the *Templates* section, select the template that corresponds to your strategy management installation.
 7. Click the *Applications* tab in the *Details* section.
 8. In the *Name* column, type **strategy** and press **Enter** to list the strategy applications.
 9. Select the name `xapps ~ cpm ~ sm ~ strategymanagement`.
 10. In the *Extended Details* section, click inside the *Name* text box and type **template.strategy**.
 11. Click *Modify*.
 12. Enter the path where Interactive Publisher is installed. For example `c:\Program Files (x86)\SAP Strategy Management\Internetpub`.

13. Click *Set* and then click *Save As*.
14. Restart SAP NetWeaver to allow these changes to take effect.

A Appendix

A.1 Appendix: LSVIEWER.INI Settings

The Excel Add-In initialization file, `Lsviwer.ini`, resides in your Microsoft Windows directory. Your `Lsviwer.ini` file and the settings listed below may not match exactly. Some settings in the file are not listed here because they are for internal use only. Some settings listed in this document that are not in the file must be added by you if you want to use them.

If you want to use a different `Lsviwer.ini` file, you can create an environment variable called `LSVIEWERINI` that specifies the full path and filename of the alternate `Lsviwer.ini` file. When starting Excel Add-In, the alternate `.INI` file is used.

A.1.1 [PIPServer] Section

This section describes the parameters in the `[PIPServer]` section of `Lsviwer.ini`. Use these parameters to control logon information when users click the *Login/Logout* button on the *SM Add-In* toolbar in Excel.

DisplayLogin

Specifies whether to display the *Login* dialog box when the user clicks the *Login/Logout* button on the *SM Add-In* toolbar. The default setting is `No`, which means that you are connected to Interactive Publisher using the User and Password from the `PIPLogin` and `EncryptedPIPPassword` parameters.

If you receive an error during logon, then the User and Password text boxes are available, and you can enter a user name and password to log on to the host machine.

If you choose the *Save as default* option in the *Login* dialog box, then all the options in the *Login* box are written to these parameters in `Lsviwer.ini`.

UseWindowsIntegratedLogin

Obsolete parameter. Should always be set to `No`.

PIPLogin

Web authentication username. Use the format:

```
PIPLogin=<web_authentication_user>
```

Where `<web_authentication_user>` is the name of the Web authentication user logging on.



NOTE

- For basic authentication, you may need to include the name of the server where the authentication is performed, depending on how the server is configured to handle basic

authentication. For example if Interactive Publisher is installed on a machine named machine1, you may have to specify the following if you have not set a default domain:

PIPLogin=machine1\PipAdmin.

- The *Login/Logout* button remains selected when you are logged on to the system.
- Do not include an underscore in any logon names.

EncryptedPIPPassword

Encrypted password for the Web authentication username. You cannot type an encrypted password in `Lsviwer.ini`. It gets entered when you type a password in the *Login* dialog box. The

EncryptedPIPPassword line has the following format:

EncryptedPIPPassword=<encrypted_password>

Where <encrypted_password> is the encrypted password for the Web authentication username.



NOTE

If PIPLogin has a value but EncryptedPIPPassword does not, then regardless of the setting of DisplayLogin, the *Login* dialog box appears.

HostName

Specifies the name of the Interactive Publisher server host. Use the format:

http://<nw_server>:<port>

<nw_server>:<port> is the name and port of the Microsoft Windows server where Interactive Publisher is installed.

PathName

Specifies the location of the Interactive Publisher program. Use the format:

/strategyServer/scriptmain.pw



NOTE

You do not enter a question mark (?) after the Interactive Publisher program in this situation because you are entering the program's location rather than a URL address.

DefaultModel

Specifies the name of the default model to use. By default, this value is blank during the installation. If you do not specify anything, then the first available model in alphabetical order is used.

A.1.2 [EXCEL] Section

The [Excel] section contains an option related to Excel Add-In.

DecimalsAsSource=1

Displays numeric data in Excel with the same number of decimal places as in the Application Server source data. Overrides the Microsoft Windows decimal specification. Permitted values: **1** (on), **0** (off - default value).

**NOTE**

This setting may slow the performance of Excel Add-In when you retrieve large amounts of data, as each numeric data cell could potentially require a different decimal format.

SaveLatestDate=1

If set to 1, and the spreadsheet is refreshed, maintains the LATEST date as set in the Excel Add-In Calendar. If set to 0, and the spreadsheet is refreshed, the dates and data in the spreadsheet are updated to reflect any LATEST date changes in Application Server. Permitted values: **1** (on), **0** (off).

A.1.3 [Viewer] Section

The [Viewer] section contains options related to the Viewer.

Library=APLIB

Specifies the default database library.

IgnoreMissingMembers=0

Upon logon, when set to 1, the Viewer executes the `SET IGNOREMISSING MEMBERS ON` command in Application Server, so that you can open an existing view that contains missing members.

The first 1,000 bytes of the resulting warning message are displayed. (“...” at the end of the message indicates that the message has been truncated.) If set to 0, or not set, `SET IGNOREMISSING MEMBERS ON` is not executed. The default value is not to execute the command.

ReportServerWarnings=1

If set to 1, or not set, switches on the display of warning messages reported from Application Server. This means that you can, for example, open an existing view that contains missing members without displaying a warning message listing the missing members. If set to 0, Application Server warning messages are not reported. The default value reports Application Server warning messages.

DefaultLogin=1

Specifies whether to save and use the default logon information you enter in the Dimensional Model Login dialog box. Permitted values: **1** (on), **0** (off).

You can edit this setting manually in the .INI file, or use the *Save as default login* check box in the *Dimensional Model Login* dialog box.

A.1.4 [DEFAULTS] Section

The [DEFAULTS] section establishes default settings to apply to new views.

VERSION=version

The version of Application Server that is currently installed.

DisplayAcrossHeadings=1

Shows or hides headings for dimensions in the across view by default. Permitted values: **1** (on), **0** (off). You can set this specification in the *Dimensional Model Format* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

DisplayDownHeadings=1

Shows or hides headings for dimensions in the down view by default. Permitted values: **1** (on), **0** (off). You can set this specification in the *Dimensional Model Format* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

IncreaseDimWindow=n

You can add this parameter to the `Lsviewer.ini` file to increase the width of the Dimension window by `n` pixels. This allows you to view dimensions with long names better in the *Viewer* dialog box. This parameter does not appear by default.

If you specify a value of 0 or lower, the Dimension window remains the same. If you specify a value greater than 1 and less than 1,000, the screen is maximized by that number of pixels.

For example, if you specify **IncreaseDimWindow=50**, then the dimension list is expanded to 50 pixels wider.



NOTE

When specifying a number, try 50 first, because it enlarges the area to a reasonable size.

DisplayDataValues=1

When selected, brings data values, as well as headings, into the model by default. Deselect to bring headings without data into the model. Permitted values: **1** (on), **0** (off). This setting may slow the performance of Excel Add-In.

You can set this specification in the *Dimensional Model Format* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

ViewShowParents=1

Displays top-level dimension names by default when the user is drilling down. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Format* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

ViewLongDescriptions=1

Displays or hides long descriptions for dimension members by default, if long descriptions exist in the dimensional model. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Format* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

MemberNamesAutoFormat=1

When selected, displays member names with initial capital letters (for example, Fruit Juice) by default. Deselect to display member names as they exist in the model. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Format* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

DataZeroAsBlanks=1

When selected, displays zeros as blanks by default. Deselect to display zeros as 0.00. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Format* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

DataMissingAsBlank=1

When selected, displays missing values as blanks by default. Deselect to display missing values as a dash (-). Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Format* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

DataSuppressMissingRows=1

When selected, prevents the display of rows where all cells contain missing values, provided that *DataMissingAsBlank* is also set to 1, by default. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Format* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

Layout=0

Specifies the layout of headings, as follows:

Value	Description
0	Sets the headings to Outline layout, which indents headings in a single column if two or more dimensions are displayed in the down view.
N	Sets the headings to Non-Outline layout, which displays headings in separate columns, and shows details for all members combinations only on a change of member.
T	Sets the headings to Table layout, which displays headings in separate columns, and shows details for all members combinations as you drill down.

You can set this specification in the *Dimensional Model Format* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

AccessProtectView=1

When selected, prevents the user from drilling through the data in Run mode by default. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Options* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

AccessLoadData=1

When selected, shows (and subsequently refreshes) the data in the view by default. When deselected, the data load only occurs with the initial display of the view, or when the view is newly created. Existing view data is not refreshed; however, changes to view-specific configuration settings are saved when the sheet is saved. Permitted values: **1** (on), **0** (off). This setting may slow the performance of Excel Add-In.

You can set this specification in the *Dimensional Model Options* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

ProgressBarDisplay=1

When selected, displays a progress bar by default when loading or uploading data. The progress bar is displayed after the number of records specified in *ProgressBarRecords* has been loaded. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Options* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

ProgressBarRecords=10

Allows the user to specify the number of records to load before showing the progress bar. Set to a number between 1 and 9999. The default value is 10.

You can set this specification in the *Dimensional Model Options* tab. This option is only available if *Display progress bar* is selected. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

DrillSwapAtTop=1

When selected, automatically changes the drill direction when the user drills up to the highest level. Deselect to display a message informs you that further drilling up is not permitted as you have reached a result-level dimension member. Permitted values: **1** (on), **0** (off). You can set this specification in the *Dimensional Model Options* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

You can set this specification in the *Dimensional Model Options* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

DrillSwapAtBottom=1

When selected, automatically changes the drill direction when the user drills down to the lowest level. Deselect to display a message that informs you that further drilling down is not permitted as you have reached an input-level dimension member. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Options* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

DrillOnDownDims=1

When selected, allows the user to drill down on down dimensions by default. Deselect to make drilling down on down dimensions unavailable. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Options* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

DrillOnAcrossDims=1

When selected, allows the user to drill down on across dimensions by default. Deselect to make drilling down on across dimensions unavailable. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Options* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

SupplyModel=1

When selected, puts the database name, followed by a colon, at the head of the view's title in Excel Add-In by default. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Excel* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

DimsOnePerCell=1

When selected, puts each dimension name in a view's title in a separate Excel cell. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Excel* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

NoTitle=1

When selected, no title is displayed for the view. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Excel* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

AutoWidthData=1

When selected, columns are automatically formatted to fit the data in the columns. Permitted values: **1** (on), **0** (off).

You can set this specification in the *Dimensional Model Excel* tab. Clicking the *Set Defaults* button on the tab writes your selection to this parameter file setting.

A.1.5 [SELECTOR] Section

The [SELECTOR] section contains an Excel Add-In option related to the Dimensional Selector.

OrderAsSelected=1

When selected, displays members in the order in which they appear in the *Selected members* list box in the *Dimensional Selector*. Permitted values: **1** (on), **0** (off).

A.1.6 Parameters in Lserver.ini that Affect Excel Add-In

The [Excel] section in Lserver.ini contains two parameters related to Excel Add-In.

DecimalsAsSource=1

Displays numeric data in Excel with the same number of decimal places as in the Application Server source data. Overrides the Microsoft Windows decimal specification. Permitted values: **1** (on), **0** (off - default value).



NOTE

This setting may slow the performance of Excel Add-In when you retrieve large amounts of data, as each numeric data cell could potentially require a different decimal format.

SaveLatestDate=1

If set to 1, and the spreadsheet is refreshed, maintains the LATEST date as set in the Excel Add-In Calendar. If set to 0, and the spreadsheet is refreshed, the dates and data in the spreadsheet are updated to reflect any LATEST date changes in Application Server. Permitted values: **1** (on), **0** (off).

Typographic Conventions

Example	Description
< >	Angle brackets indicate that you replace these words or characters with appropriate entries to make entries in the system, for example, “Enter your <User Name>”.
▶ → ◀	Arrows separating the parts of a navigation path, for example, menu options
Example	Emphasized words or expressions
Example	Words or characters that you enter in the system exactly as they appear in the documentation
<u>Example</u>	Textual cross-references to an internet address, for example, http://www.sap.com
/example	Quicklinks added to the internet address of a homepage to enable quick access to specific content on the Web
123456	Hyperlink to an SAP Note, for example, SAP Note 123456
<i>Example</i>	<ul style="list-style-type: none"> ■ Words or characters quoted from the screen. These include field labels, screen titles, pushbutton labels, menu names, and menu options. ■ Cross-references to other documentation or published works
Example	<ul style="list-style-type: none"> ■ Output on the screen following a user action, for example, messages ■ Source code or syntax quoted directly from a program ■ File and directory names and their paths, names of variables and parameters, and names of installation, upgrade, and database tools
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, database table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE
EXAMPLE	Keys on the keyboard

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