

PASW® Statistics-.NET Integration Plug-in: Installation Instructions

Installation Steps

On the computer where you will use the Plug-in:

- ▶ Install version 18 of the PASW Statistics application (the Plug-in works with any valid PASW Statistics license).
- ▶ Install the Microsoft .NET 2.0 Framework.
- ▶ Download and install version 18 of the PASW Statistics-.NET Integration Plug-in.

Notes

- Version 18 of the PASW Statistics-.NET Integration Plug-in is designed to work best with Microsoft Visual Studio 2005. Use of the Plug-in does not, however, require Visual Studio 2005.
- If you plan to develop applications with the Plug-in using Microsoft Visual Studio 2005, be sure Visual Studio is installed on the computer before installing the Plug-in. You do not need to uninstall earlier versions of the PASW Statistics-.NET Integration Plug-in before installing version 18.

Repairing an Installation

If you uninstall and then reinstall version 18 of the PASW Statistics application, it is recommended to reinstall version 18 of the PASW Statistics-.NET Integration Plug-in.

Running Multiple Versions of the PASW Statistics-.NET Integration Plug-in

You can run multiple versions of the PASW Statistics-.NET Integration Plug-in on a given machine, each associated with a compatible version of PASW Statistics. Each version of the Plug-in installs its own set of .NET assemblies—that provide the interface to PASW Statistics—to the Global Assembly Cache, as described in the next section.

Plug-in Contents

The Plug-in includes two .NET assemblies:

- **SPSS.BackendAPI.dll.** A .NET assembly that provides access to the API that allows an external processor to control PASW Statistics. It loads *spssxd.dll*—the library that implements the API to control PASW Statistics—from the PASW Statistics application directory.
- **SPSS.BackendAPI.Controller.dll.** A .NET assembly that wraps the low level API exposed to .NET by *SPSS.BackendAPI.dll*. This is the library intended for use by application developers.

Both assemblies are added to the Global Assembly Cache (GAC) by the installer. They are also included in the installation directory chosen for the Plug-in files.

Visual Studio 2005 users. For Visual Studio 2005 users, the Visual Studio item template *PASW Statistics-.NET Integration Plug-In 180 Class* is installed with the Plug-in and available from the Add New Item choice on the Project menu. Adding the item template to a project creates references to the version 18 copies of *SPSS.BackendAPI.dll* and *SPSS.BackendAPI.Controller.dll* stored in the GAC so there is no need to manually add references to these libraries during development. The template contains a sample Visual Basic class to help you get started with writing applications for version 18 of the PASW Statistics-.NET Integration Plug-in.

Note: If you plan on working with Microsoft Visual Studio 2005 and you installed the Plug-in before installing Visual Studio, you'll need to uninstall the Plug-in, install Visual Studio, and reinstall the Plug-in in order to access the item template.

Users without Visual Studio 2005. If you are not using Visual Studio 2005, you'll need to manually create references to *SPSS.BackendAPI.dll* and *SPSS.BackendAPI.Controller.dll*. Both files can be found in the installation directory chosen for the Plug-in files (by default, the files are installed under *C:\WINDOWS\Microsoft.NET\Framework*). To get started with writing applications for version 18 of the PASW Statistics-.NET Integration Plug-in, see the sample Visual Basic class available for download from *Example VB.NET Class 18* on Developer Central (<http://www.spss.com/devcentral>).

Documentation

Documentation for the *SPSS.BackendAPI.Controller* library is included in the installation directory chosen for the Plug-in files. For Visual Studio 2005 users, the documentation is integrated into the Visual Studio IDE, and available from the help contents and the Dynamic Help window. The documentation includes simple code examples for each of the available methods.

Documentation on developing .NET applications with version 18 of the PASW Statistics-.NET Integration Plug-in is provided in *PASW Statistics-.NET User Guide*, available by choosing Programmability>VB.Net Plug-in from the Help menu in PASW Statistics, once the Plug-in is installed. The documentation includes examples of running PASW Statistics commands, working with dictionary information, retrieving case data from the active dataset, creating new variables and new cases in the active dataset, creating new datasets, retrieving procedure output, and creating output in the form of pivot tables and text blocks.