

## About the Code Analyser

Using the WPS code analyser allows you to check in one go, all your existing scripts (programs written in the language of SAS), without running them.

In minutes, the analyser generates a report that can be exported to an Excel spreadsheet. The analysis reports will not reveal private details about your existing scripts but will reveal if there are any language elements or options that have been used that are not yet supported by WPS and also it will reveal how much of an impact and how many of your existing scripts would be affected.

The code analyser will not report on incorrect syntax or on unknown language elements.

## Obtaining the Code Analyser

The code analyser is only available as a built in tool of the WPS graphical user interface known as the 'WPS Workbench'. The Workbench is currently available for use on Windows, Linux, Mac OS X, Solaris and AIX.

If you are a mainframe z/OS user, you can still use WPS installed on any of the other platforms just mentioned to analyse the jobs that you normally execute on your z/OS system. For example, gather up all your jobs from your z/OS environment and copy them onto a PC (see below) and then run the analyser tools in the Windows version of WPS.

You can obtain a free 30 day use of WPS which would include the WPS Workbench and the built in code analyser tools. Use the on-line evaluation request form on our web site at <http://www.teamwpc.co.uk/tryorbuy/evaluations>.

## Moving Jobs from Mainframe z/OS to Windows

To move your existing scripts from your Mainframe to a PC, we would recommend removing line numbers and then suggest using XMIT and then un-XMIT using PC XMIT Manager. Please note that XMIT Manager is only capable of handling PDS's and not PDSE's (extended PDS).

When downloading the Xmit files from Mainframe to PC, you must use FB (fixed block) with an LRECL of 80 and with no ASCII/EBCDIC conversion, truncation or CRLF translation.

If required, you can combine your program code into one sequential dataset. However, when you then perform a code analysis on your PC, you will only get a single report for the whole file. This might be ok for your needs but if you do want to get separate reports for each PDS member, you should export each one into a separate sequential file.

## Using WPS and the Code Analyser

When performing a code analysis, you do not have to move any data, worry about data access or even have to execute your scripts. You simply need to gather up all your programs and copy them to the computer where you have WPS installed.

You will need to know certain fundamental things about the WPS Workbench GUI in order to place your 'scripts' (our name for programs written in the language of SAS) into a location where the code analyser tools can access them. The WPS graphical user interface is known as the 'WPS Workbench'. The Workbench uses a concept called 'projects' that must be used to hold your scripts. Projects are basically folders that must live in a parent folder known as a 'workspace'. You should use the WPS Workbench to create the workspace and project folders. You only need a single project folder and can either copy all your scripts directly into this project folder, or manually copy/create any number of nested sub-folders inside the project folder to organise and manage your scripts into separate groups. Once your existing scripts have been copied or moved into a project folder, they can then be analysed, executed or edited as required.

In the 'WPS Workbench User Guide' (opened from the WPS Workbench's menu "Help > Help Contents"), the following sections are a good place to start to get more information and help on the topics mentioned in the previous paragraph:

- WPS Workbench User Guide > Concepts > Workspace
- WPS Workbench User Guide > Concepts > Projects
- WPS Workbench User Guide > Concepts > Scripts
- WPS Workbench User Guide > Tasks > Working With Projects > Creating a New Project
- WPS Workbench User Guide > Tasks > Analysing Scripts and Language Elements

## Code Analysis Reports

When you perform a code analysis, the resulting reports are automatically displayed on screen. On the first page of a report you will see an option to 'Export to Excel'. The Microsoft Excel versions of the reports present the analysis results in a different way to the initial reports that are generated. For this reason, you may find that the Excel versions of the code analyser reports are more useful and easier to read.

Although analysing one program at a time or a small group of related programs may be useful, we highly recommend analysing as close to all existing programs from all users and departments in a single analysis. Performing a single analysis on all programs is the best way to obtain a report for your entire organisation's needs. Such a report exported to Excel would still allow you to drill down to look at the needs of single programs or related groups of programs.

## On-Line Documents

The 'WPS Workbench User Guide' mentioned above and other documents are available to download from our web site at <http://www.teamwpc.co.uk/support/docs>.