

# **Spc2Tab\_eng**

Grzegorz Królik

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**COLLABORATORS**

	<i>TITLE :</i> Spc2Tab_eng		
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**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## Spc2Tab\_eng

### 1.1 Spc2Tab - Documentation

Welcome to documentation of my new program - Spc2Tab.

Click one of the following gadgets:

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### 1.2 Spc2Tab - Program version

Spc2Tab

Version 1.1

Copyright © 1999 Grzegorz Królik

Compiled: 14 July 1999

### 1.3 Spc2Tab - Copyright and spreading

This program is FreeWare. It means that it may be used and spread freely. But I reserve the copyright to it.

You mustn't charge any fee for spreading it (besides, of course, a fee charged for copying a PD program).

You are not allowed to make changes in the main file or in the documentation files.

This program may be spread only with the following files:

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Sp2Tab - **main program**

Sp2Tab\_eng.guide - English documentation

Sp2Tab\_eng.guide.info - its icon

Sp2Tab\_pol.guide - Polish documentation

Sp2Tab\_pol.guide.info - its icon

This program may be also spread as an archive. I do not agree to spread it as a crunched file because there is nothing that you could compress besides the executable file. And the executable file should not be crunched because it is so small that compression would not give much gain, and the program could not be made **resident** .

The source code of this program is not included, but you can get it from me.

## 1.4 Sp2Tab - What does it do?

This program is a supplement to the previous program Tab2Spc and it does the inverse operation, ie. it converts all spaces (code 32) in a text file into tabulators (code 9).

The text file is also put to optimization. It consists in removing so-called 'blank lines'. It does not affect outlook of the text, but it helps to reduce the file size.

Both functions reduce the size of a text file without losing the clarity of the text itself.

## 1.5 Sp2Tab - Program description

This program is very simple.

In order to make it very short and simple it can only be started from Shell, not from Workbench.

You have to type three parameters

```
<tab size (1..8)> (source file) <destination file>
```

so the number of spaces that equal to one tabulator, the source and destination file names.

As the number of spaces that equal to one tabulator, I advise you to enter 8, because it is the default value. The minimal admissible value is 2. I made it so, because there is no point in replacing spaces with tabulators when the size of one tabulator equals to 1 space.

After conversion a report is displayed:

Original file length : the file length before conversion

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Converted file length : its length after conversion

Spaces removed/inserted : number of removed/inserted spaces

Tabs removed/inserted : number of removed/inserted tabulators

Because the program works only as a Shell command, I decided to add a possibility to make it resident. It means that if you use the 'Resident' command you are able to add the program to the resident programs list. It will then stay in the memory until reset. The executable file has the 'Pure' bit set, so there should not be problems with making it resident. However, it may not be made resident if it had been crunched. But it should not make any difference because it is quite short and conversion would not give much gain...

## 1.6 Conversion errors

At present there is only one error known to me. It may occur when the converted file already contains tabulators.

If the program finds any tabulator during conversion, it counts the how many spaces equal to one tabulator. It uses the following formula:

$$\text{NUMBER\_OF\_SPACES} = \text{TABULATOR\_SIZE} - \text{NUMBER\_OF\_CHARS\_BEFORE\_TABULATOR}$$

So, if the text file contains tabulators and they equal to eg. 8 spaces, and in the first parameter was specified eg. 5, then the program uses 5, not 8 as the TABULATOR\_SIZE.

After such conversion the file will loose its clarity.

It is advised not to convert files that contain tabulators or try to use 8 as the tabulator size. It is the default value and probably the file will then be correctly converted.

## 1.7 Spc2Tab - Program history

1.0 - First program version.

1.1 - Second release.

The program no longer converts spaces into tabulators in lines that are put in quotation-marks (") or ('). The converting function has also been fixed. In some cases the program incorrectly counted the number of tabulators that were to replace spaces.

## 1.8 Spc2Tab - Suggestions, bug reports, etc.

If you have any suggestions about this program or you have found any bug in it, then I would like you to contact me writing to the following address:

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