TMEIC

VSCode Extension for PAS script
(PASCFG)

Extension: **PASCFG**

version: **1.0**

1.0	2023-Feb-03	First issue.	Sunil Goothy	Sunil Goothy	
Rev.	**Date**	**Description**	**Prepared by**	**Checked by**	**Approved by**

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1. Overview

PASCFG is a VSCode extension which enables PAS script syntax highlighting and some common code snippets when editing PAS configuration files.

This extension makes VSCode aware of the keywords of the script which enables VSCode to highlight them in the editor. The keywords coloring is compatible with themes of VSCode i.e. the color and style of the keywords will be highlighted as per the theme set in VSCode.

This extension also provides some code snippets for autocompletion. Just by some initial characters of the code the necessary keywords, entire snippet will be shown as autocomplete option to select under the cursor.

2. Install Instructions

This extension needs to be manually installed in VSCode and the file association for cfg needs to be set so that VSCode recognizes cfg files as PAS script files.
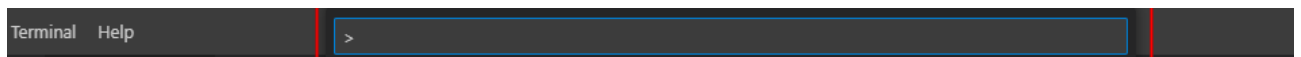
Follow below steps for installation.

a) The extension is provided with the PAS installation and is in

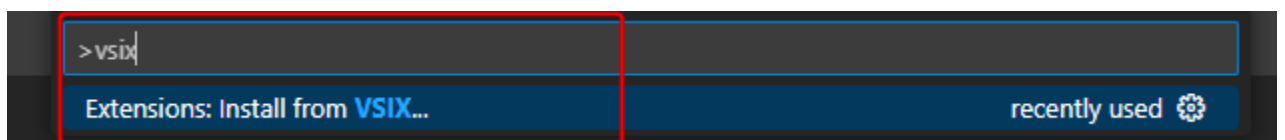   *"<Install Location>"\PASolutions\Director\Editor_Syntax_Files*

b) Open VSCode

c) Hit **"Ctrl + Shift + P"** on keyboard. A command palette will open as shown below

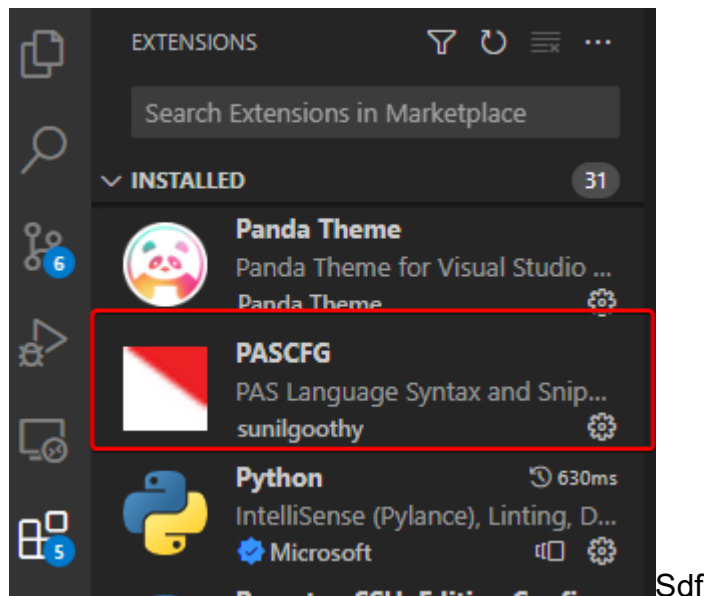d) Type "vsix" in the command palette. As you type VSCode will display all the commands available.

e) Select **"Extensions: Install from VSIX…"** command from the drop down.

f) A dialog box to select extension will open. Navigate to the path where the extension file **"pascfg-x.x.x.vsix"** is located and click on **"Install"** button.

g) VSCode will now install the extension. Once installation is completed, restart

VSCode.

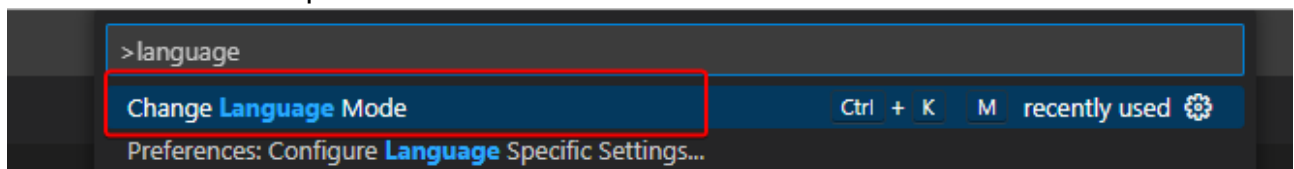h) After installation we can see PASCFG extension in the extensions tab of VSCode.

Sdf

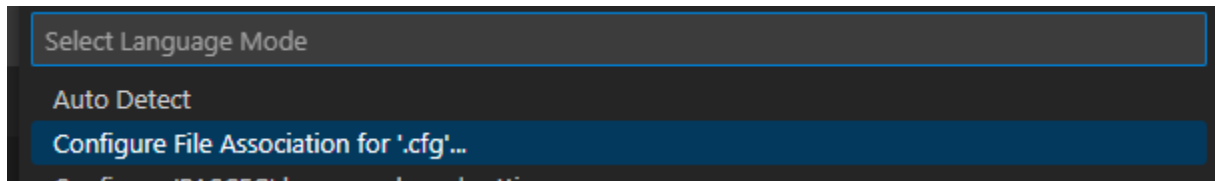i) Installation is now complete.

3. Syntax Highlighting

After successful installation of the extension, syntax highlight can be enabled for PAS script files.

Whenever you open a file with ".cfg" file extension, VSCode should detect file extension and apply highlighting automatically. If it does not, then follow below steps instructions to enable syntax highlight.
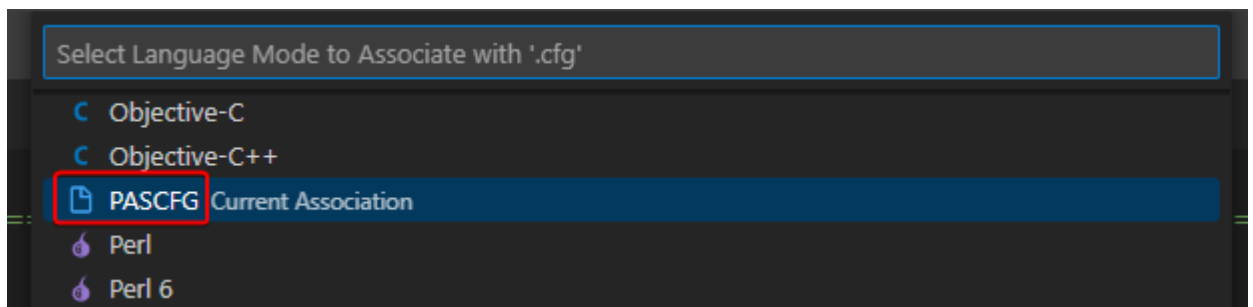
a) Open any director script.cfg file.
b) Hit **"Ctrl + Shift + P"** on keyboard. A command palette will open.
c) Type "Language" in command box. VSCode will display language association commands in the dropdown menu as shown below.

d) Select **"Change Language Mode"**, it will display another menu to select the language.
e) From this menu select **"Configure File Association for '.cfg'…"**

f) VSCode will display list of languages available for highlighting. Select "PASCFG" from this list.

g) Now PAS script files keywords will be highlighted.

Keyword highlight color and style will depend on the theme of the VSCode. Change the theme to your favourite theme and check the highlighting.
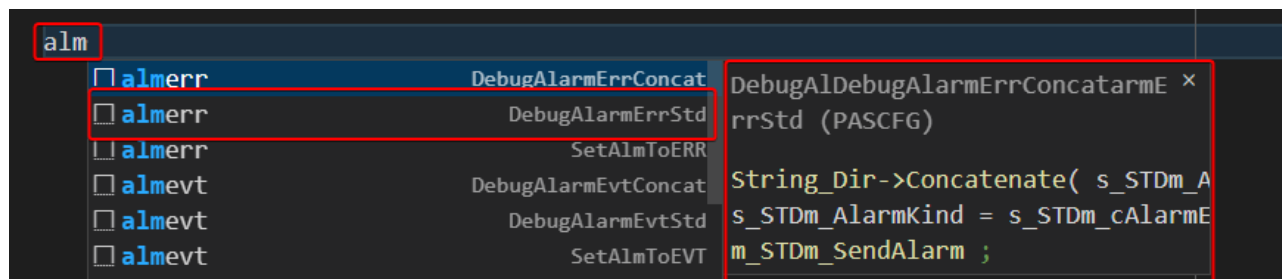
4. Code Snippets

Code snippets are provided in this extension to make frequently used code easy to use and standardize.
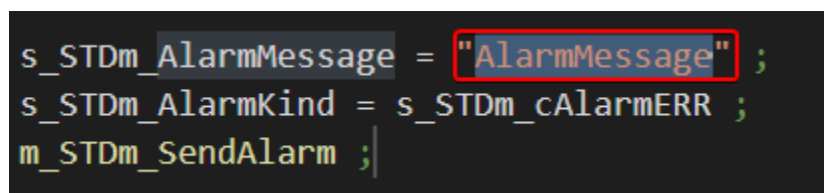
To use code snippets just type few characters for the related prefix code and the list will be automatically displayed as auto-complete at the current cursor location. Select the necessary code snippet for auto-completion. Cursor will automatically jump to first customizable text location. After typing custom text, hit tab to move to next customizable text. Do this until the code is complete.

Below is an example:

To quickly insert alarm snippet, type **"alm"** in the editor. List of code snippets available for alarm are listed as shown below.

Select **"almerr"** and hit enter. Now the entire code snippet for error alarm is inserted, and the first customizable text is highlighted. Keep typing with custom alarm message to replace that alarm text placeholder with the actual alarm message.

Below are the available code snippets

Snippet prefix	Snippet Name/Description
dbg0	Standard debug0 message
alarm	Standard debug alarm
alarm	Stndard debug alarm with concatenation option to append more than 1 string
almevt	Standard alarm message for event type.
almerr	Standard alarm message for error type.

These are just preliminary snippets. Let me know if you have standard code that can be added as snippets.

5. Bugs / Suggestions

This extension is just an attempt to make PAS language easy to code and work with most popular code editor VSCode.

If you find any bugs or have any suggestions or ideas about more snippets for any specific project, please mail me at **sunil.goothy@tmeic.in**