

scramble

(privacy protection of open text)

User's Guide

V1.1

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Table of Contents

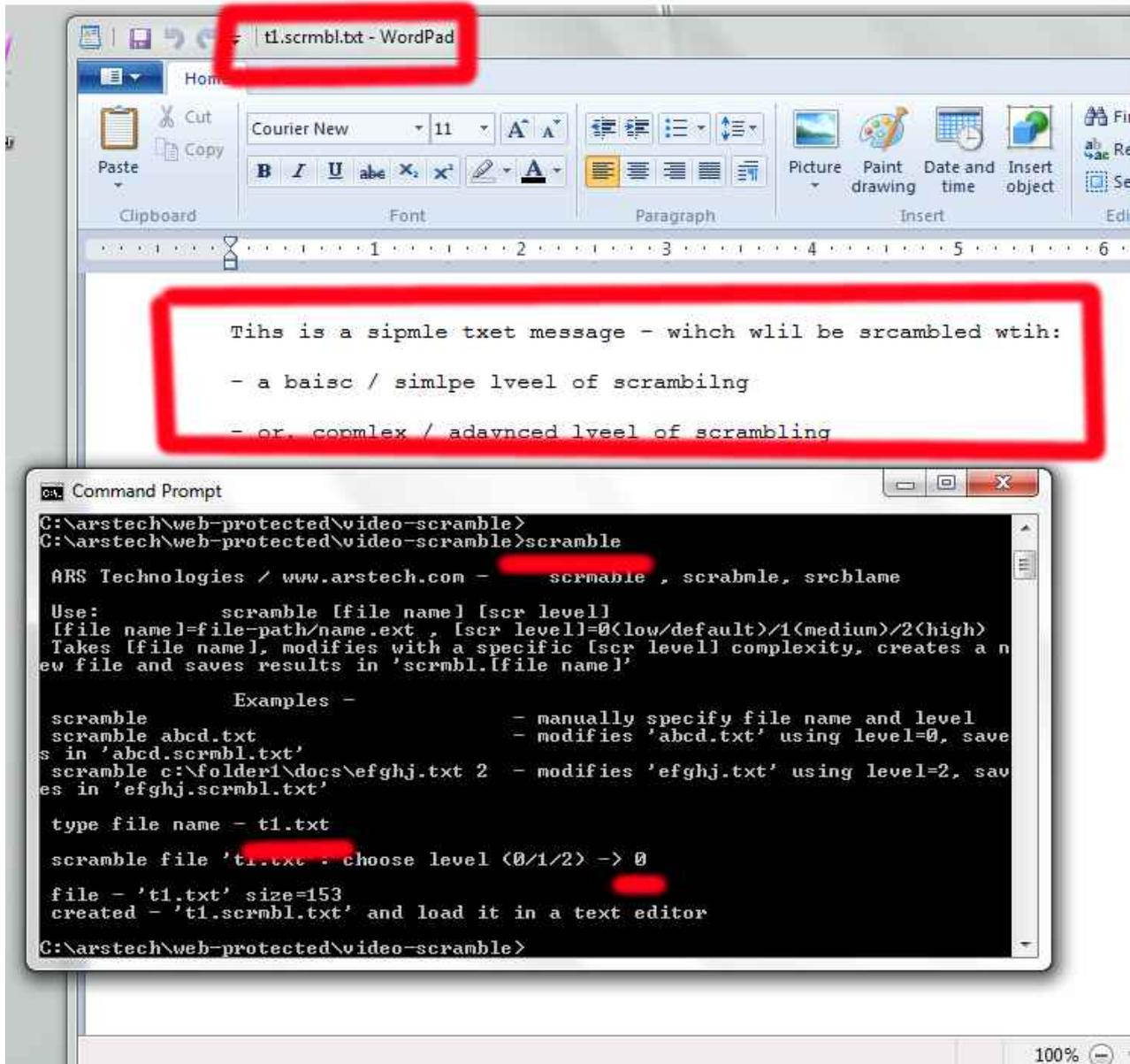
1. Introduction and use	4
2. Windows platform – specifics.....	6
3. Linux platform – Gnome specifics.....	8
4. Linux platform – KDE specifics.....	12
6. Mac OS X platform – specifics.....	15
7. Android and iOS platforms.....	18
8. Reference information.....	18

1. Introduction and use

'scramble' program is a software utility / program which runs on 3 different platforms:

- Windows – 32bit and 64bit, Windows 2000 – Windows 8.1
- Linux – 32bit and 64bit, Gnome and KDE environments
- Mac OS X – 10.7 and later

The 'scramble' program can be started from 'command line' (Windows), or 'terminal' (Linux, Mac OS X).



The above image shows the running of the program under Windows – with no parameters. In this case the program asks for:

- name of file to scramble
- then, level of scrambling

Then the program launches a standard text editor with the results of the scrambling of the input file.

The program works in the same way under Linux and Mac OS X.

When run from command line the program shows the way of use:

ARS Technologies / www.arstech.com - `scrmable` , `scrablme`, `srcblame`

**Use: `scramble [file name] [scr level]`
`[file name]=file-path/name.ext` , `[scr level]=0(low/default)/1(medium)/2(high)`
Takes `[file name]`, modifies with a specific `[scr level]` complexity, creates a new file and saves results in '`scrabl.[file name]`'**

Examples -

**`scramble` - manually specify file name and level
`scramble abcd.txt` - modifies 'abcd.txt' using level=0, saves in 'abcd.scrabl.txt'
`scramble c:\folder1\docs\efghj.txt 2` - modifies 'efghj.txt' using level=2, saves in 'efghj.scrabl.txt'**

The screen capture explains the parameters and results.

The text file used as an input has to be in 7BIT encoding, or UNICODE encoding.

Computer users rarely use command line / terminal environment – prefer to do mouse clicks instead of typing of keys.

The following chapters show ways of use of context menus, and associating with a specific file extension.

Notes -

- A context menu is invoked when the user does a right mouse click
- A file extension is the 3 letters after a '.', for ex. The file 'abcd.txt' has '.txt' extension – associated normally with text files.

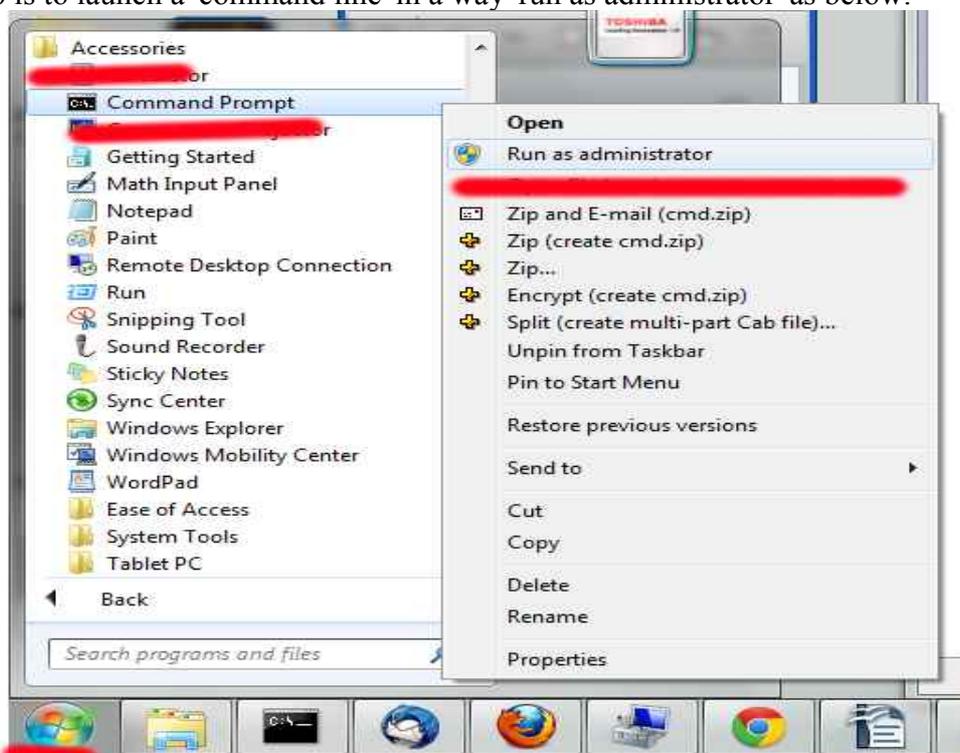
2. Windows platform – specifics

The install software comes as a single .zip file which contains this .pdf file in the main folder, and sub-folders for the different operating systems – Windows, Linux, Mac OS X.

Create a folder on your system, for ex. - [c:\Program Files\arstech\scramble](#) , and then copy the content of the 'Windows' folder of the install software on your system.

The rest of the chapter shows how to create a right mouse click context menu selection specifically for files with **'.txt'** extension. The context menu item is named – **'scrmable,scrabml,srcblame'**.

The first step is to launch a 'command line' in a way 'run as administrator' as below:



From a command line run:

- **scr-cpy.bat** – to copy the 'scramble' program to 'windows\inf' folder
- then, **txt-scr-on.bat** – to add menu item
- or, **txt-scr-off.bat** – to remove menu item

```
Administrator: Command Prompt
C:\arstech\web-protected\video-scramble\users-guide>
C:\arstech\web-protected\video-scramble\users-guide>
C:\arstech\web-protected\video-scramble\users-guide>
C:\arstech\web-protected\video-scramble\users-guide>
C:\arstech\web-protected\video-scramble\users-guide>txt-scr-on
C:\arstech\web-protected\video-scramble\users-guide>scramble 1 txt scrmable,scra
bmle,srcblame
HKS technologies / www.arstech.com -      scrmable , scrabmle, srcblame

Use:      scramble [file name] [scr level]
[file name]=file-path/name.ext , [scr level]=0(low/default)/1(medium)/2(high)
Takes [file name], modifies with a specific [scr level] complexity, creates a n
ew file and saves results in 'scrmb1.[file name]'

Examples -
scramble                                     - manually specify file name and level
scramble abcd.txt                           - modifies 'abcd.txt' using level=0, save
s in 'abcd.scrmb1.txt'
scramble c:\folder1\docs\efghj.txt 2        - modifies 'efghj.txt' using level=2, sav
es in 'efghj.scrmb1.txt'

ctx menu call
C:\arstech\web-protected\video-scramble\users-guide>
```

Or, you can type the command and parameters, like for ex.:

scramble 1 txt scrmable,scrabmle,srcblame

where:

parameter1 – 1=add, 0=remove

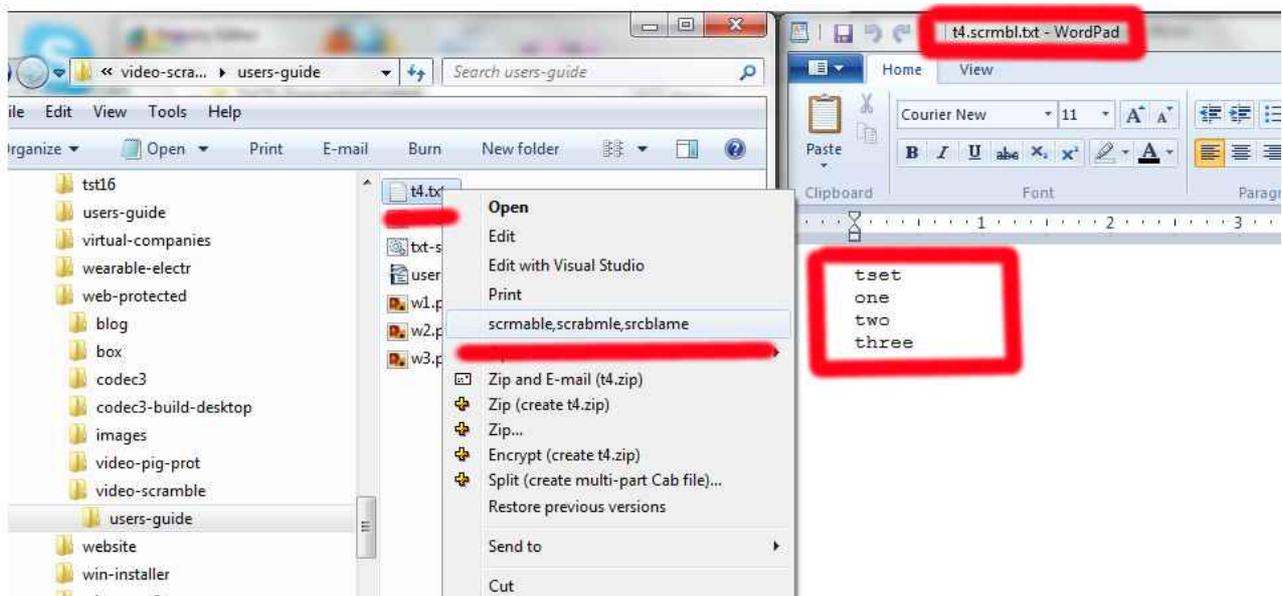
parameter2 – file extension

parameter3 – menu item name

If having a text file with extension '.scr' , for ex. 'zzzz.scr' and wanting menu item name 'text-mixing', the command to add is:

scramble 1 scr text-mixing

The image below shows the use – for a file named 't4.txt', a right mouse click over it selecting '**scrmable,scrabmle,srcblame**', generates the new file 't4.scrmb1.txt' and opens it in 'WordPad' text editor -



3. Linux platform – Gnome specifics

The install software comes as a single .zip file which contains this .pdf file in the main folder, and sub-folders for the different operating systems – Windows, Linux, Mac OS X.

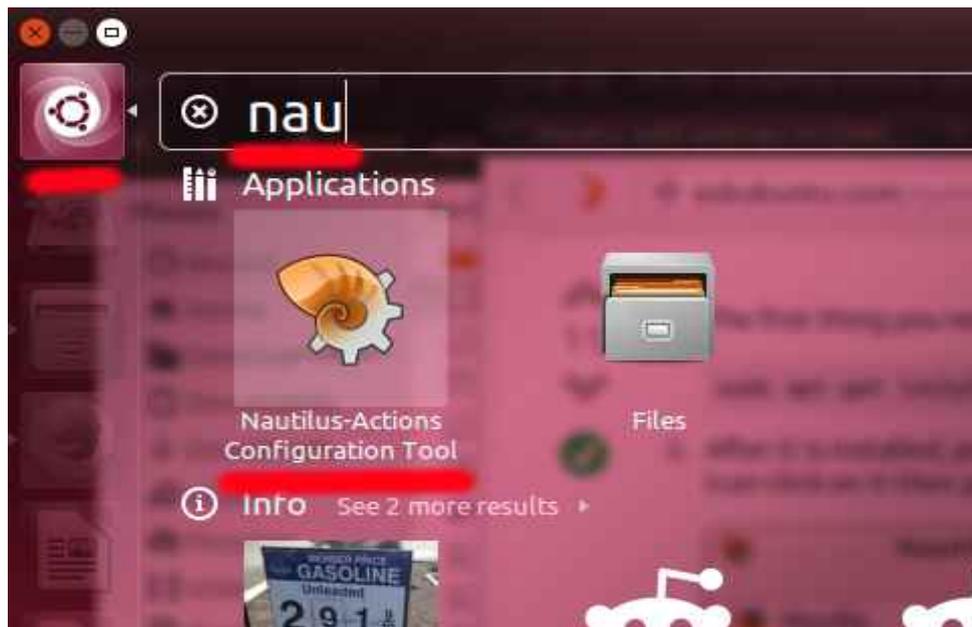
Create a folder on your system, for ex. - /home/ubuntu/scramble/ , and then copy the content of the 'Linux' folder of the install software on your system.

To make the 'scramble' program executable, you can do this in the file manager, or run in 'terminal'
-> `chmod +x scramble`

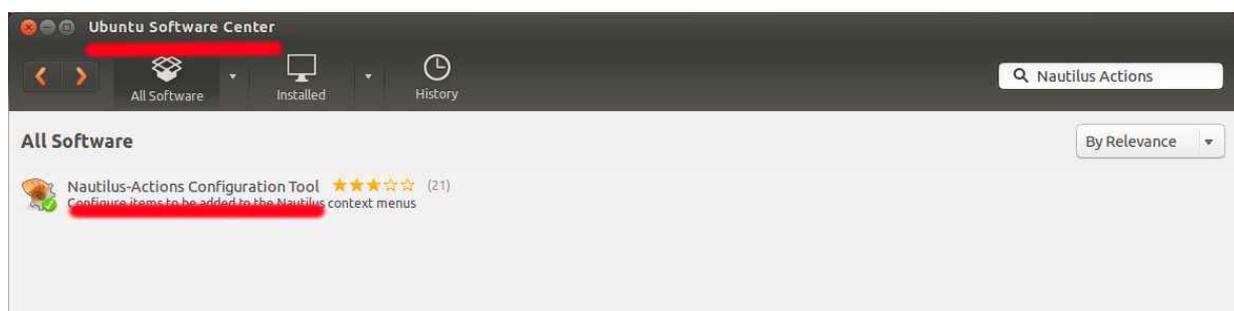
One of the most popular environments under Linux is – *Gnome* desktop environment. This chapter outlines adding **right mouse click context menu selection** – with images taken on *Ubuntu* distribution.

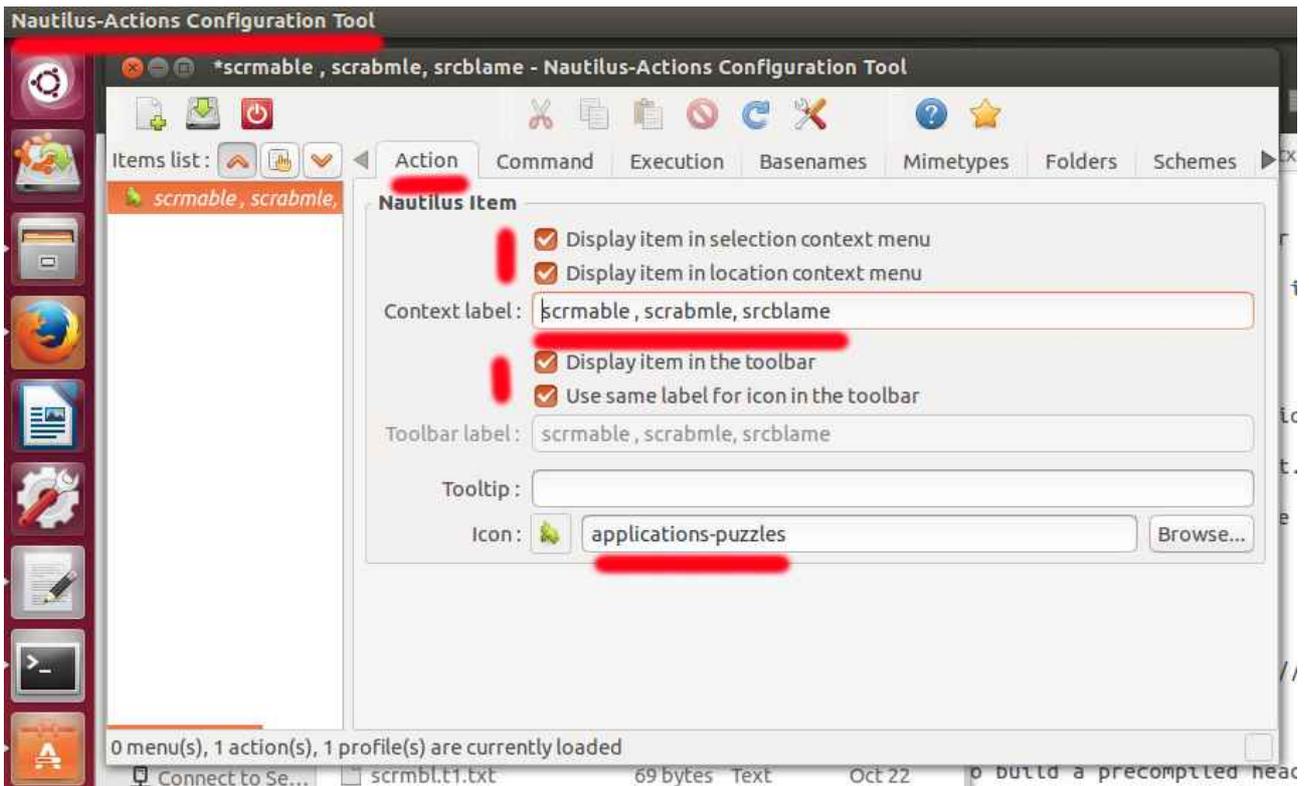
A specific tool – **Nautilus-Actions Configuration tool** is needed.

If not present it can be found in the 'Ubuntu Software Center', typing for ex. '**nau...**' to search and clicking on **Nautilus-Actions Configuration tool**.



The next step is installing the tool from the 'Ubuntu Software Center' -

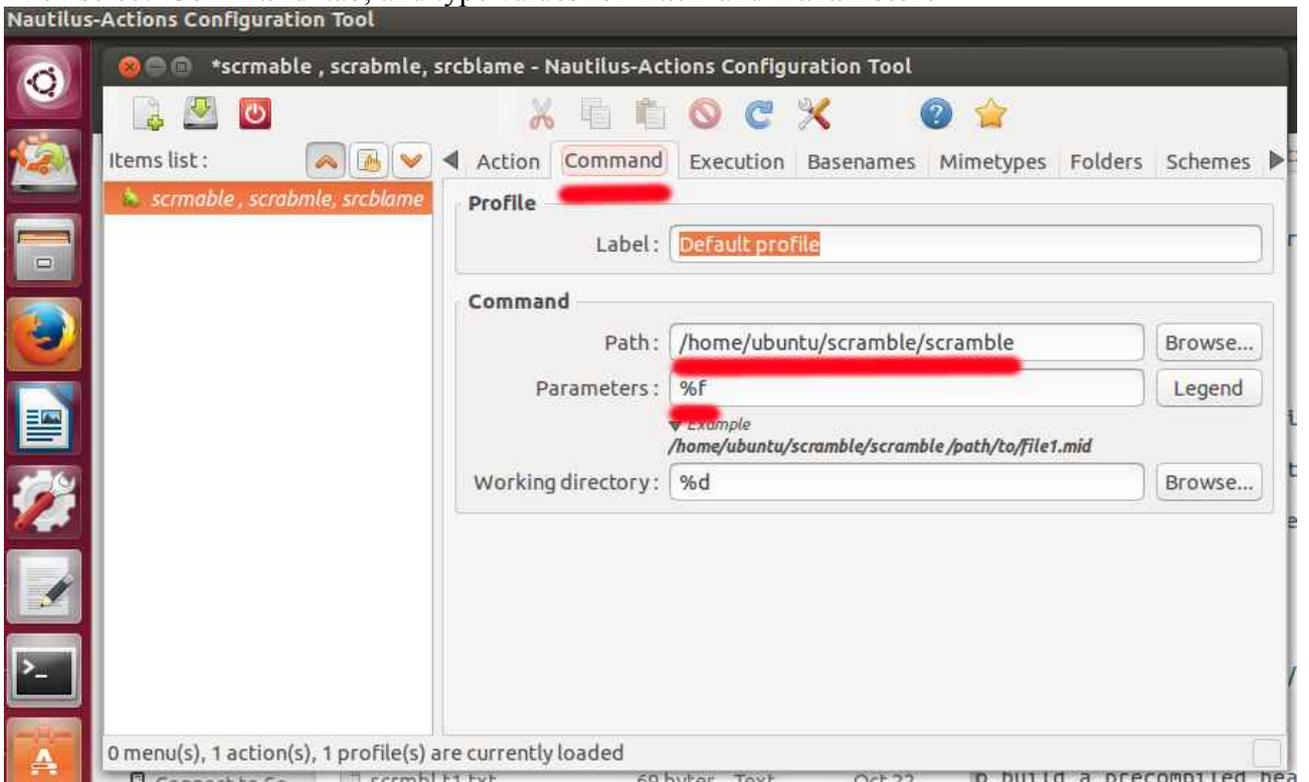




Start the **Nautilus-Actions Configuration Tool** and select '**Action**' tab and do:

- Check all the check boxes
- under '**Context label**', type -> **scrmable,scrabmle,srcblame**
- under '**Icon**', select -> **applications-puzzles**

Then select '**Command**' tab, and type values for '**Path**' and '**Parameters**' -



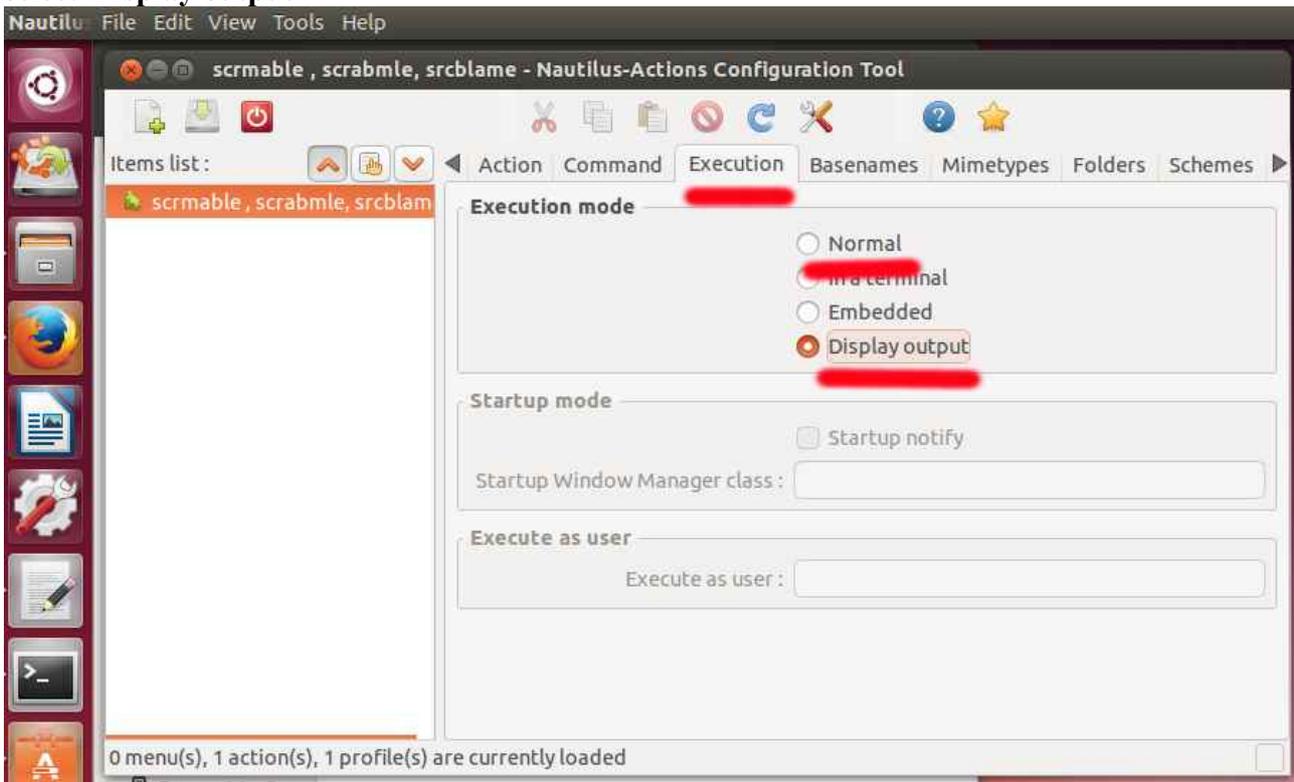
The '**Path**' item shows the full path to the utility, like for example -
/home/ubuntu/scramble/scramble

Please make sure the path is valid.

For '**Parameters**' type - **%f**

This is the file name of the text file to be scrambled after the right mouse click.

One optional step is to choose to bring extra output information. Under '**Execution**' tab, you may select '**Display output**' -

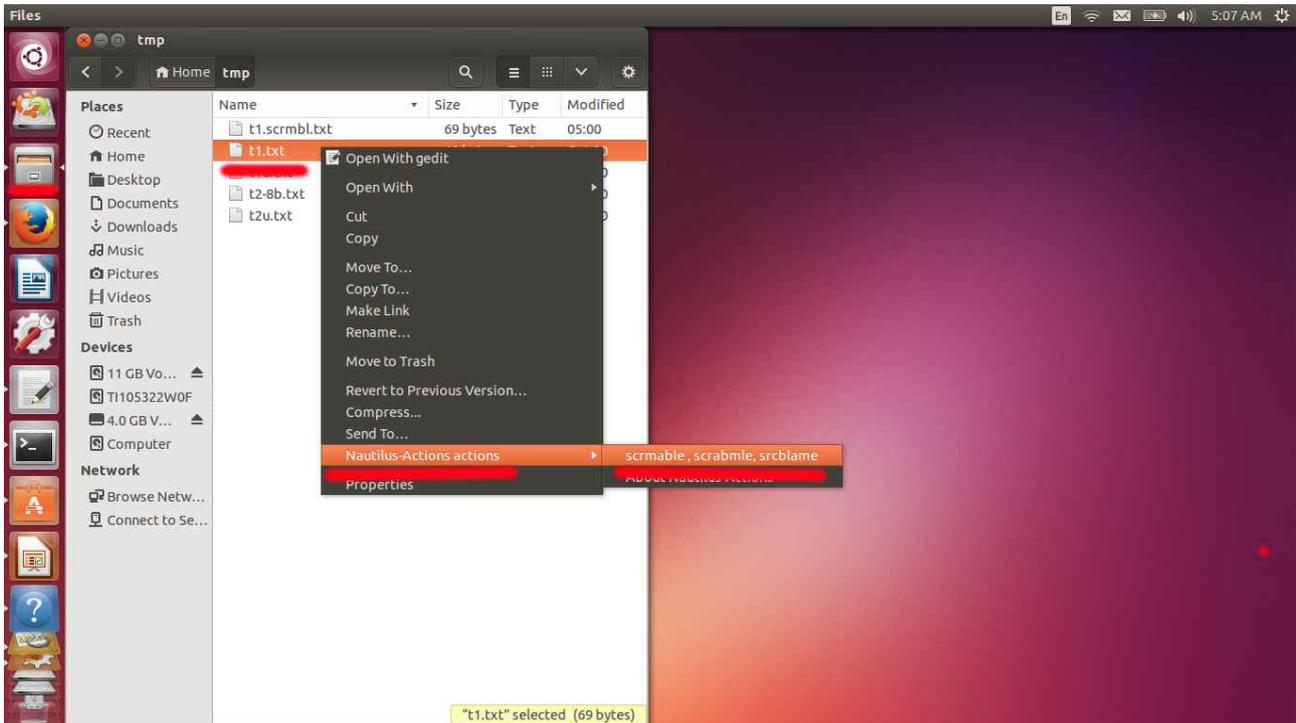


It is recommended to use this option temporarily if needed to analyze and debug what is happening.

In general the default selection is - '**Normal**' .

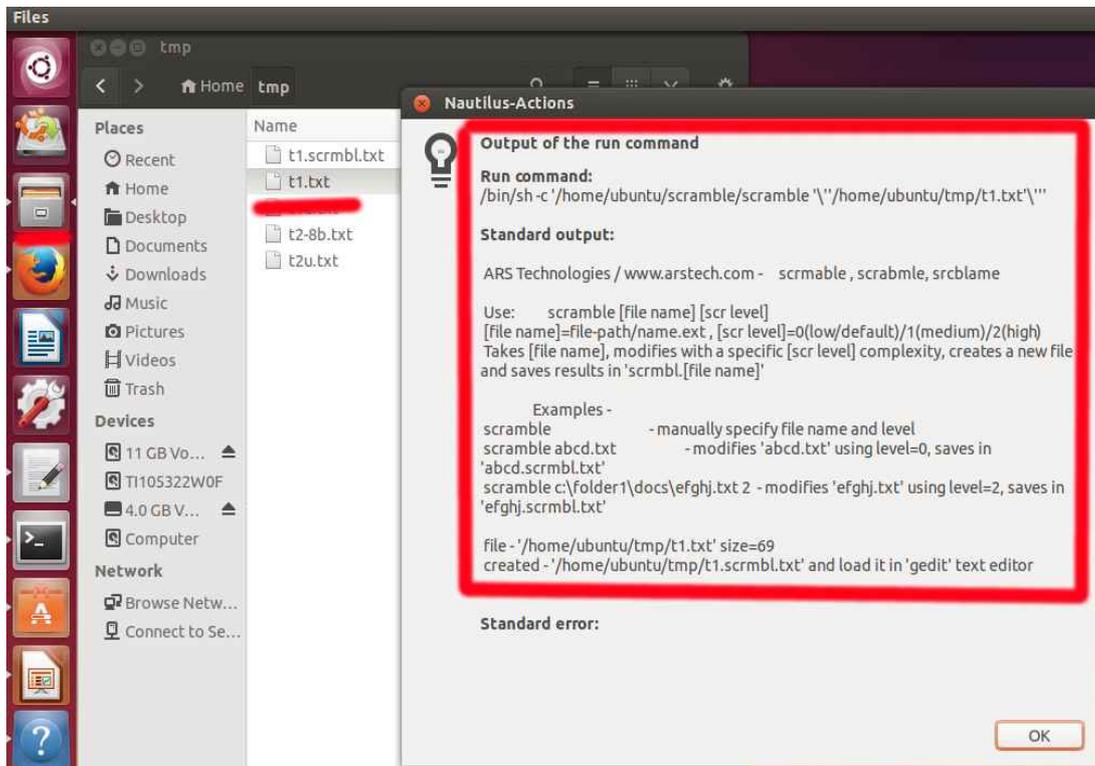
Exit the **Nautilus-Actions Configuration Tool** – this will save the information entered and create a new right mouse click menu item.

The general way of use of the utility is by launching 'Files' program, doing right mouse click over 't1.txt', going over 'Nautilus-Actions actions', choosing 'scrmable,scrabmle,srcblame' -



The default text editor will be launched and it will open the file with the results of the scrambling.

If 'Display output' was selected under 'Execution' tab, you will get this additional info -



4. Linux platform – KDE specifics

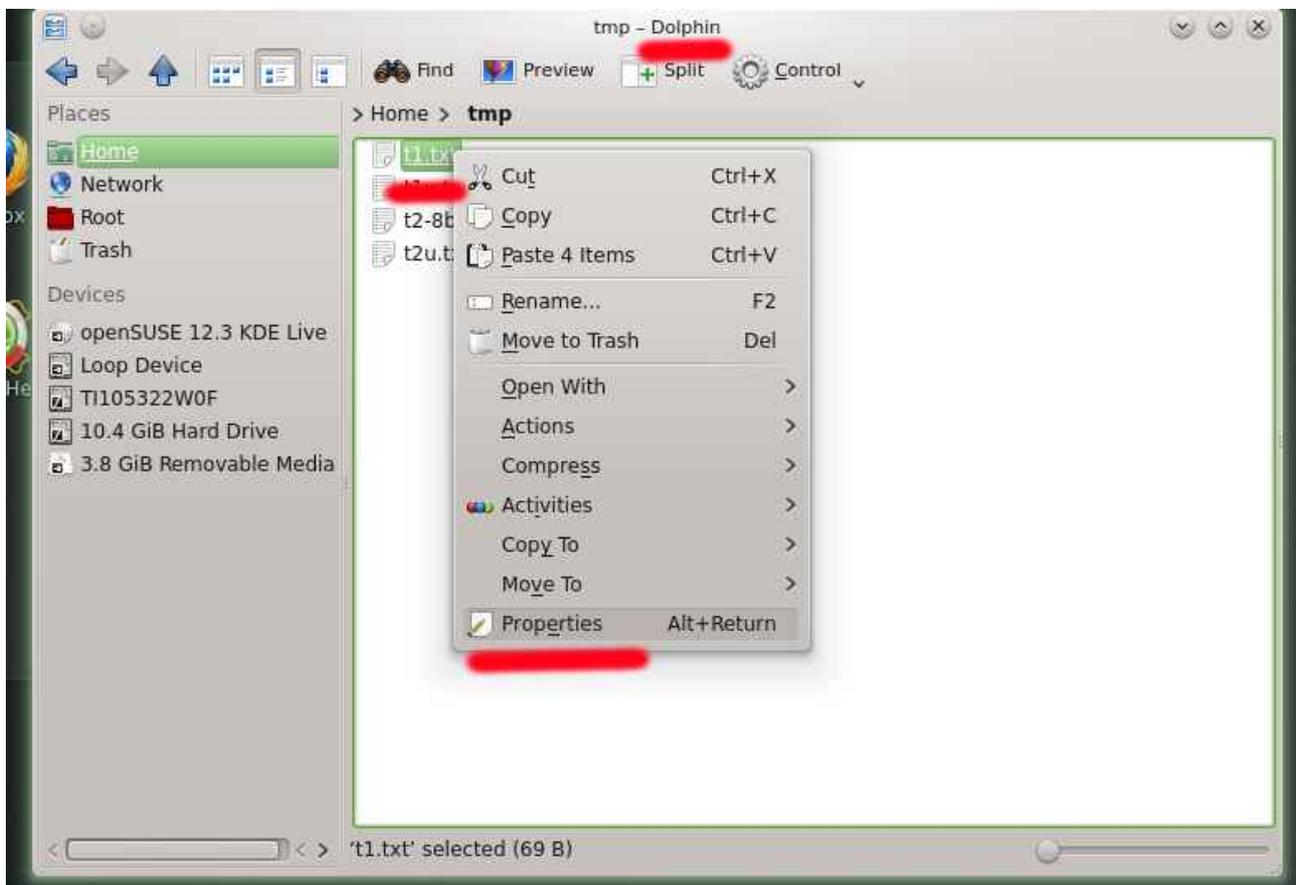
The install software comes as a single .zip file which contains this .pdf file in the main folder, and sub-folders for the different operating systems – Windows, Linux, Mac OS X.

Create a folder on your system, for ex. - /home/linux/scramble/ , and then copy the content of the 'Linux' folder of the install software on your system.

To make the 'scramble' program executable, you can do this in the file manager, or run in 'terminal'
-> `chmod +x scramble`

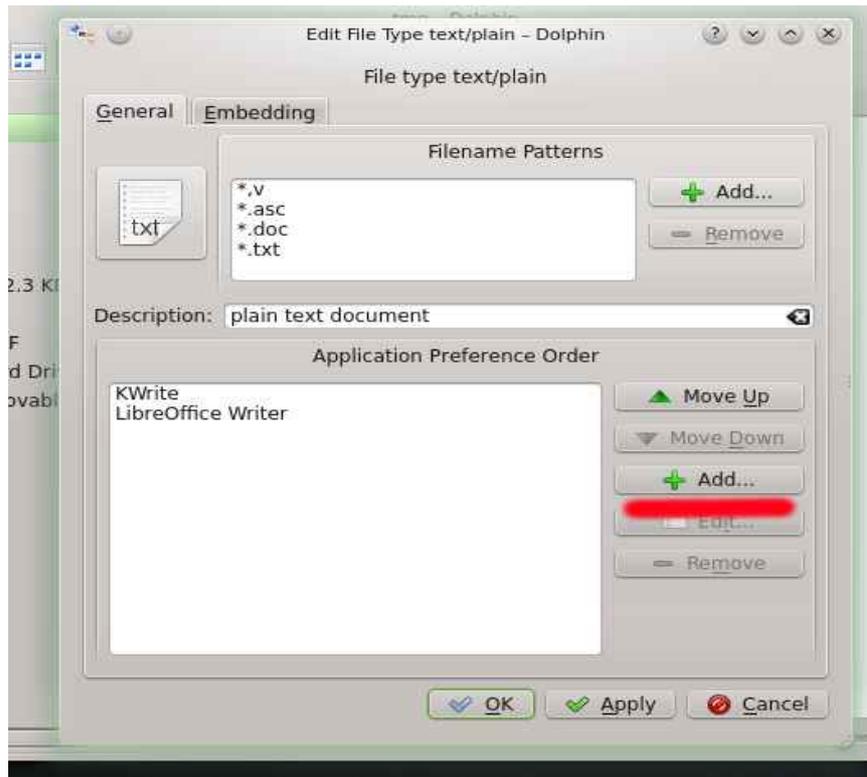
The other popular Linux environment is *KDE* desktop environment. This chapter outlines adding **right mouse click context menu selection** – with images taken on *OpenSuse* distribution.

First step is to launch the '**Dolphin**' file manager -



Let say there is a file '**t1.txt**' – after doing a right mouse click, select '**Properties**'

The screen lists the applications which can open this file type. To add a new application on the list type 'Add' -



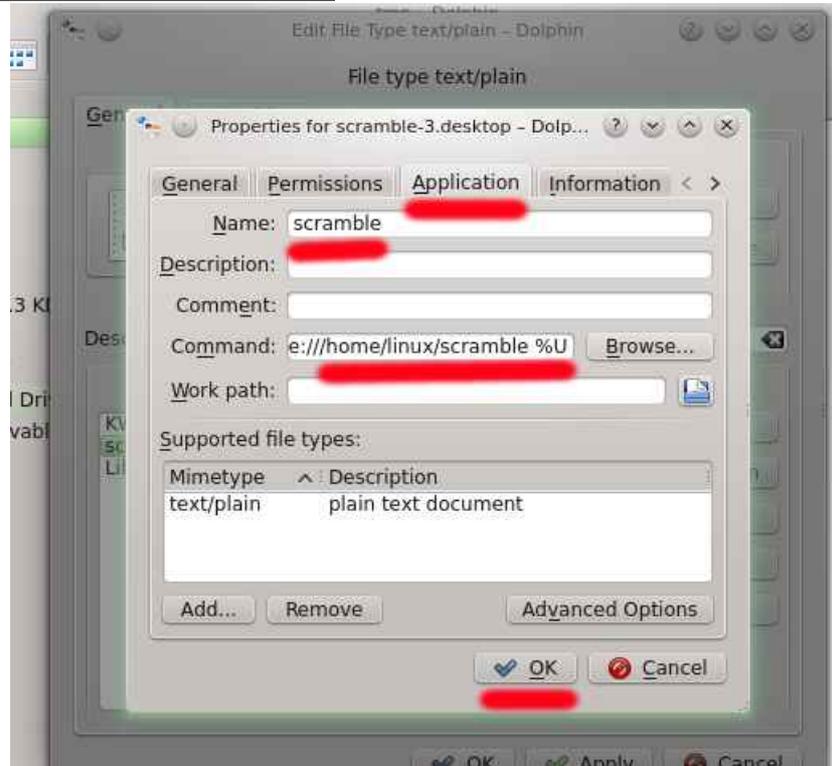
On the next screen either type directly the full path to 'scramble' program or select the file from the tree of files -



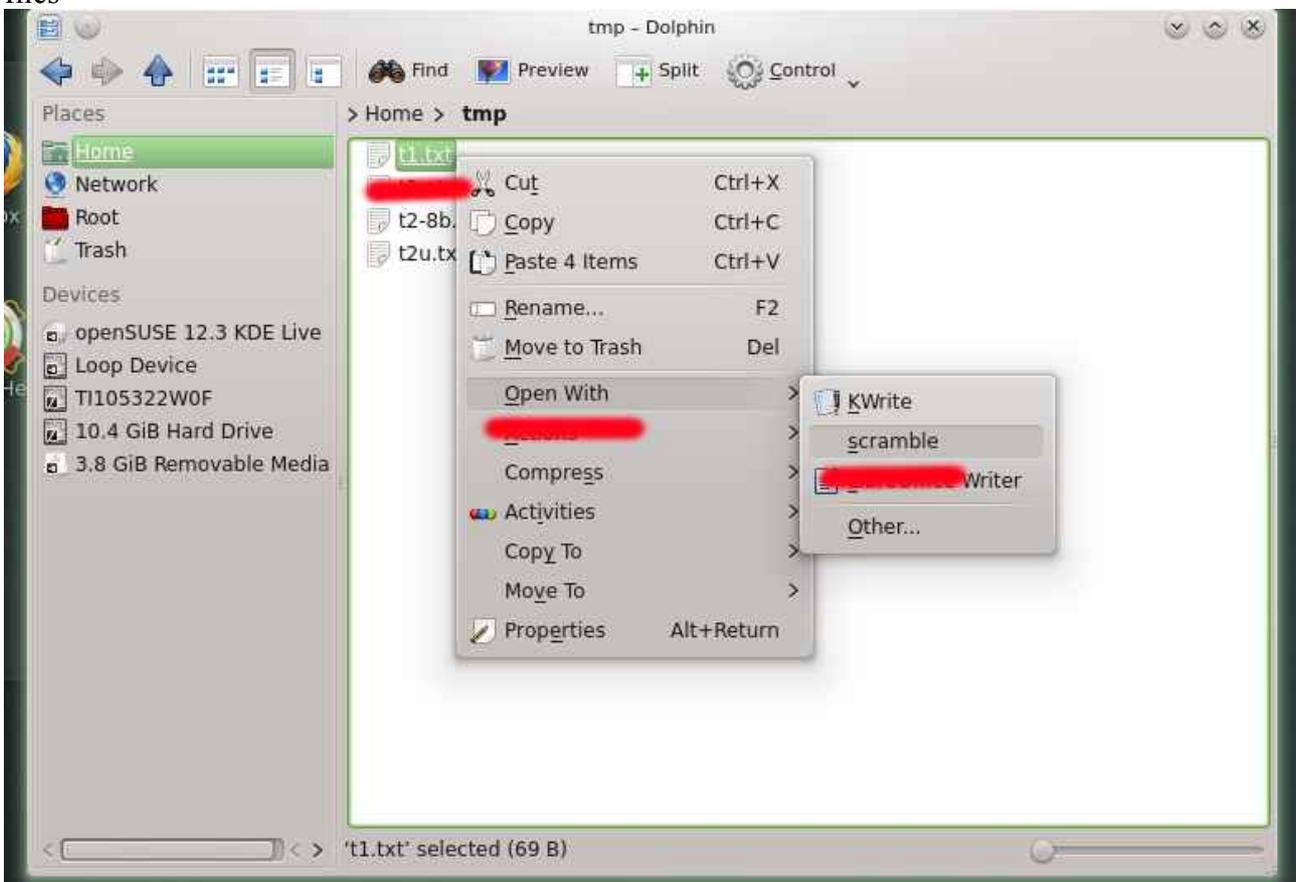
Push **OK** to go forward.

In the next screen select **Application** tab, and enter:

- for **Name** type -> **scramble** ,
- for **Command** type the full path and %U as parameter, like for ex. **/home/linux/scramble %U**



Type **OK** to save and exit. A new **right click context menu item** is created for processing of text files -



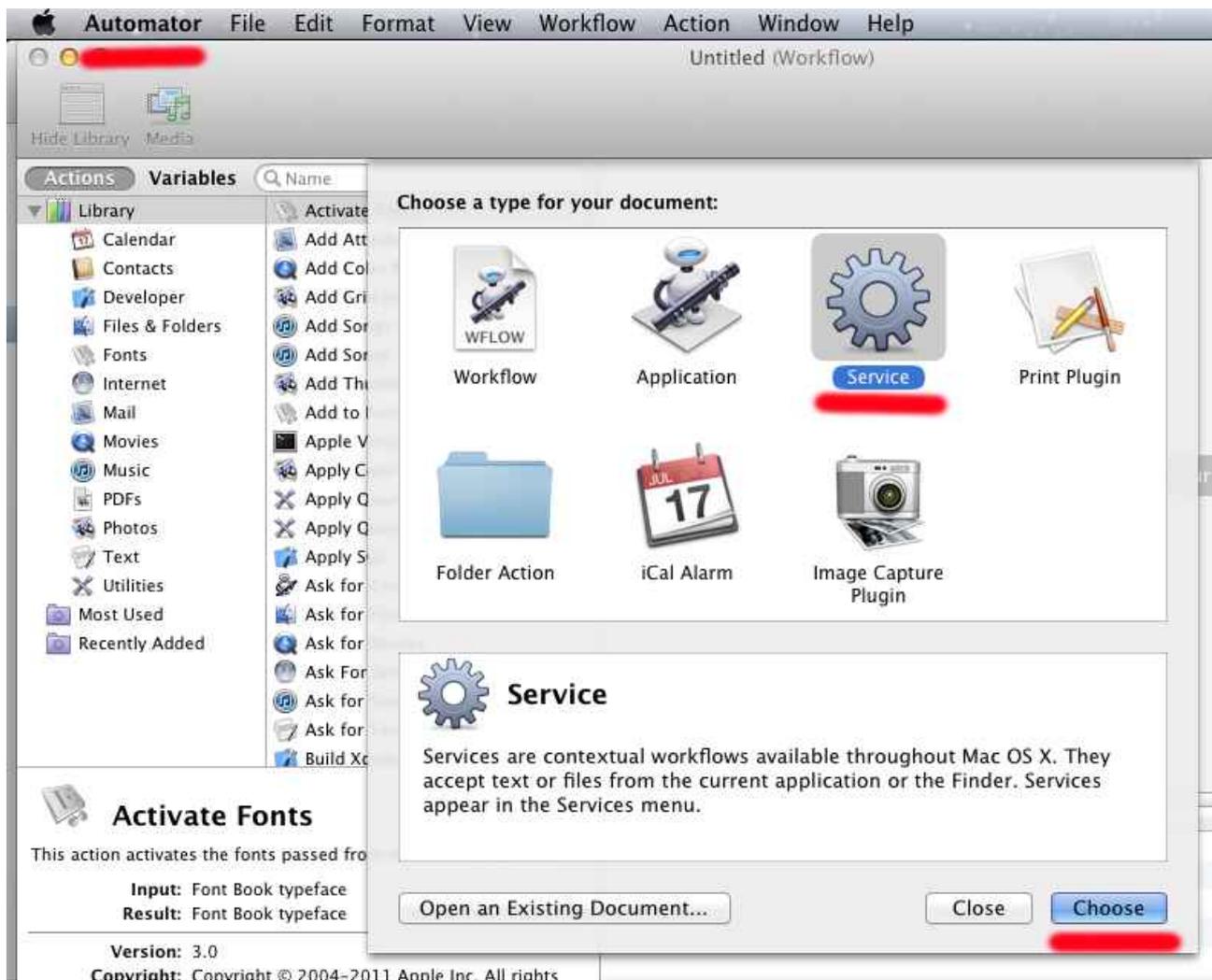
6. Mac OS X platform – specifics

The install software comes as a single .zip file which contains this .pdf file in the main folder, and sub-folders for the different operating systems – Windows, Linux, Mac OS X.

Create a folder on your system, for ex. - /arstech/ , and then copy the content of the 'MacOSX' folder of the install software on your system.

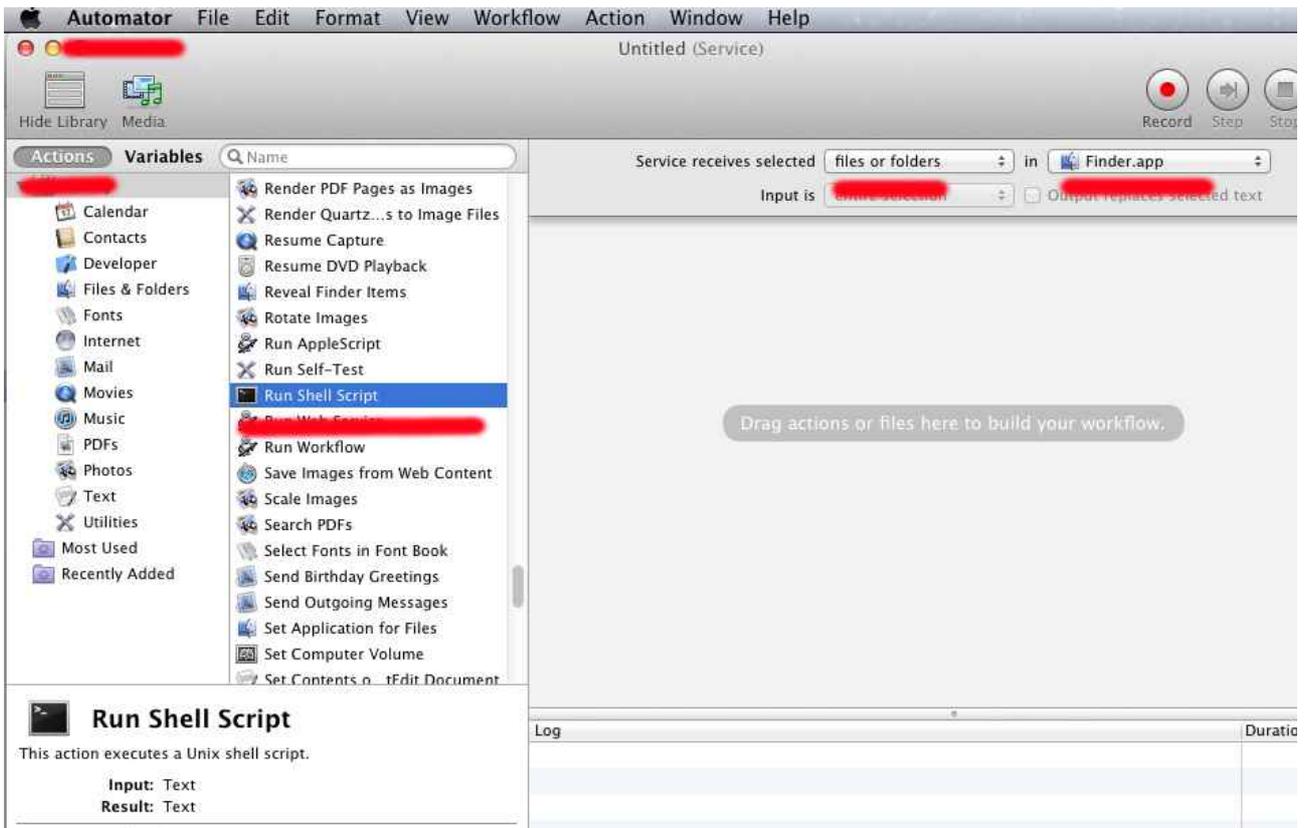
To make the 'scramble' program executable, you can do this in the file manager, or run in 'terminal'
-> `chmod +x scramble`

To add a **right click mouse menu item** under *Mac OS X* use the **Automator** application -

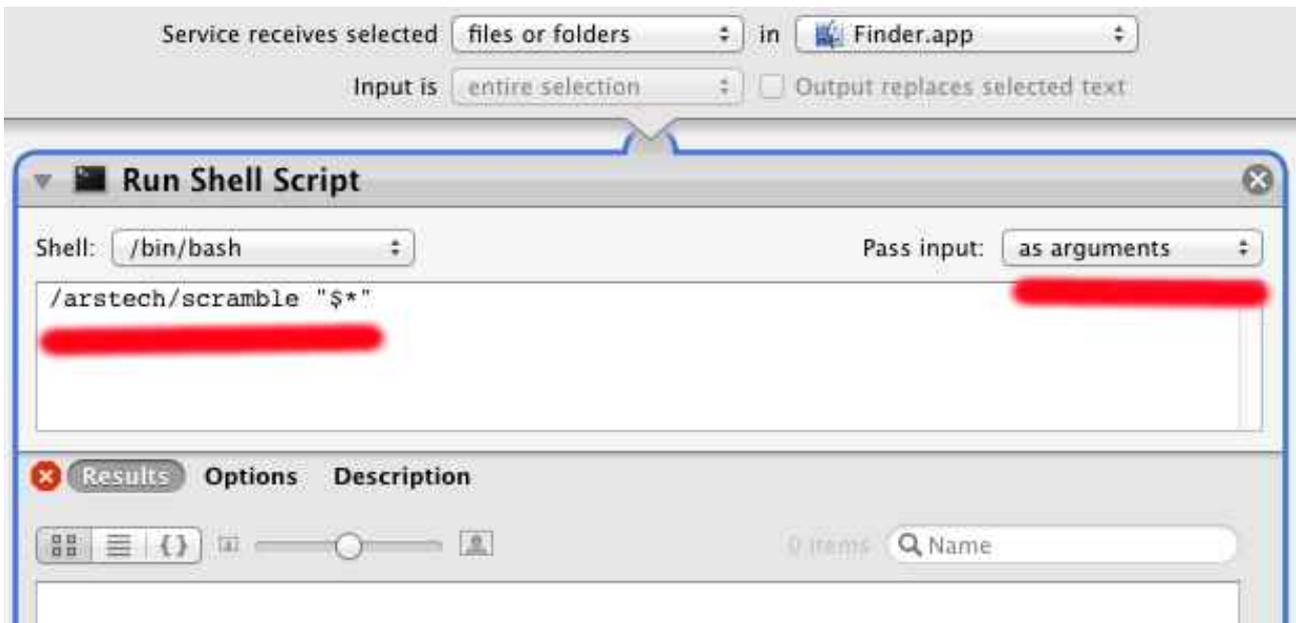


After the launch, select **Service** and push **Choose** button.

Under **Actions**, select Run Shell Script, and choose **Service receives selected** 'files or folders' in Finder app -



Under **Pass input** select '**as arguments**', and for a shell command type for ex. -
`/arstech/scramble "$*`



Please make sure you type the correct path to the **scramble** program, the current folder is -
`/arstech`

The meaning of `"$*` is to pass the text file name as an argument to **scramble**.

6. Android and iOS platforms

We are adding shortly releases of the scramble software for phones and tablets devices running Android and iOS.

7. Reference information

Video presentation - <http://youtu.be/NrP8fzJrijE>

Article (video script) - <http://www.arstech.com/install/cms-display/scramble.html>

Product page - <http://arstech.com/install/ecom-prodshow/scramble.html>