

Tutorial 1

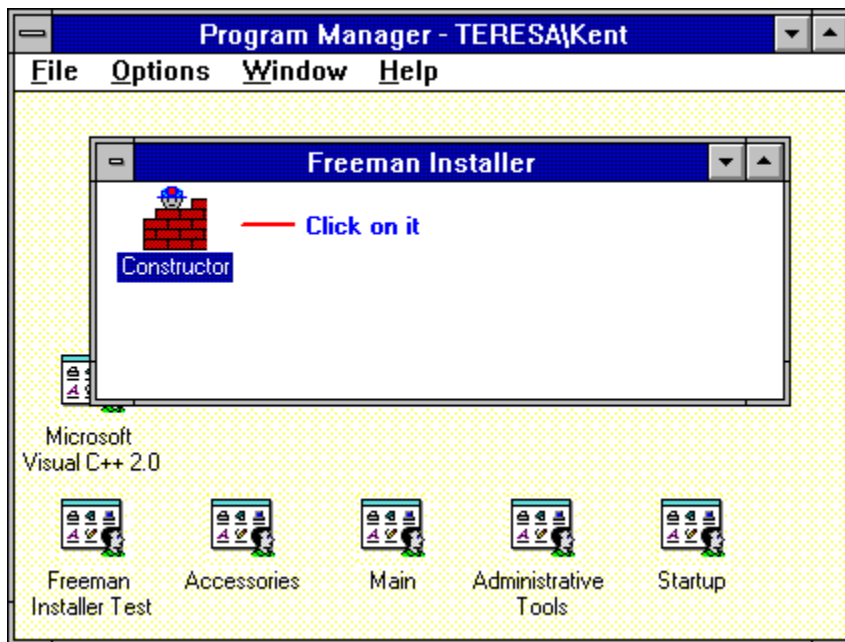
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What to do?

Set up a basic installation featuring file installation, program items (icons in program manager) installation, and uninstallation.

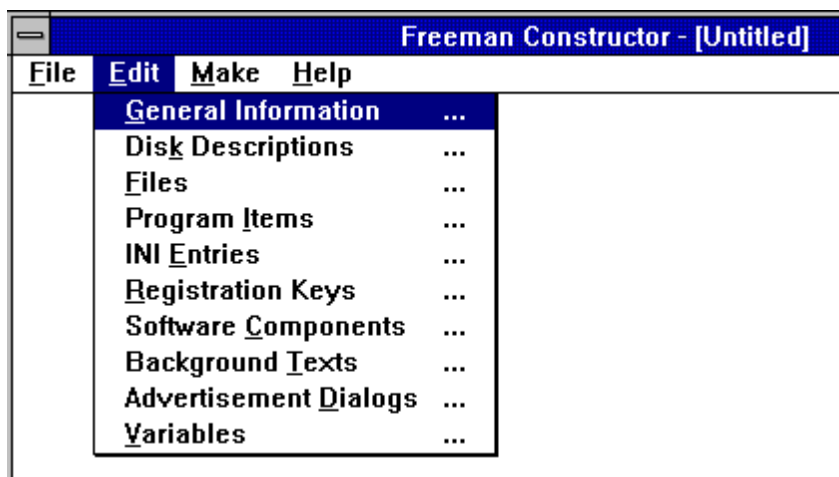
Step 1

Run Freeman Constructor.



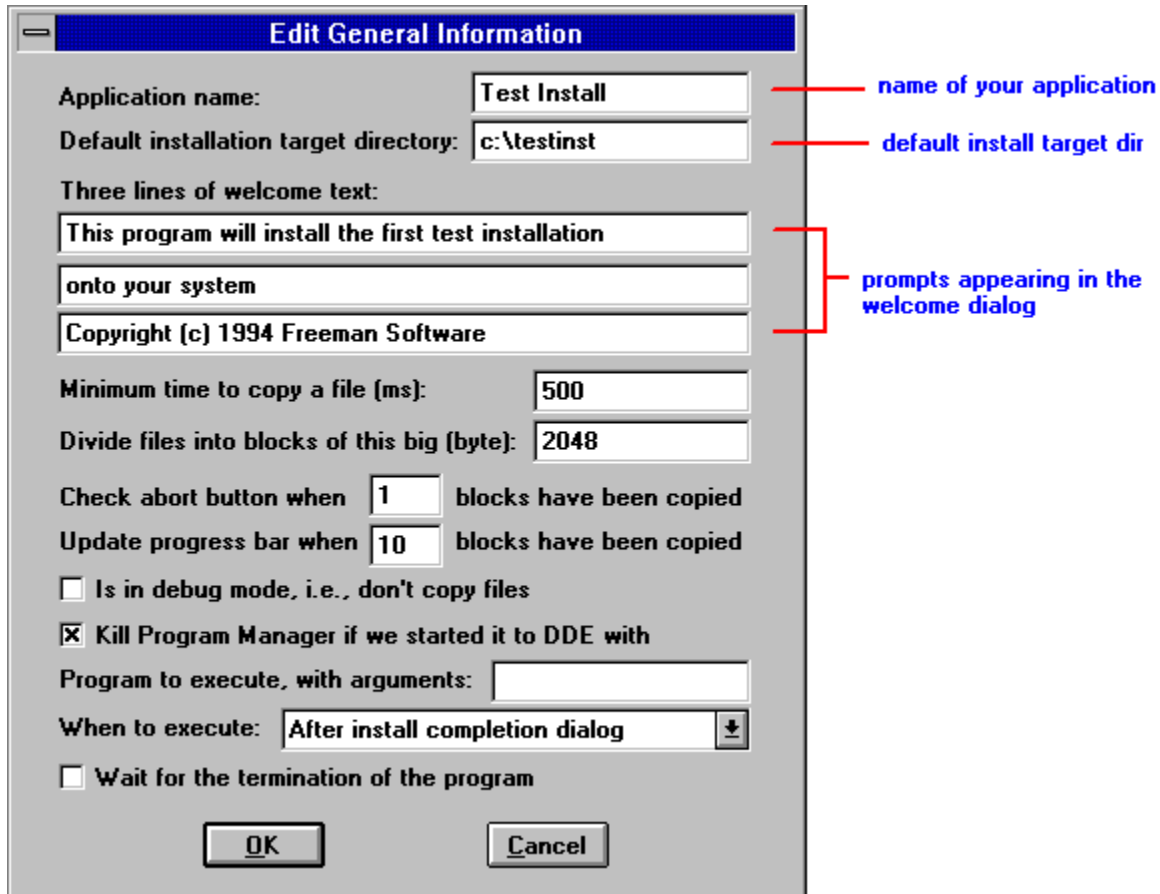
Step 2

From the "Edit" menu, choose "General Information".



Step 3

Enter the application name, default directory, and the "welcome text" as shown.



The screenshot shows a dialog box titled "Edit General Information" with the following fields and annotations:

- Application name:** Text box containing "Test Install". A red line points to this box with the label "name of your application".
- Default installation target directory:** Text box containing "c:\testinst". A red line points to this box with the label "default install target dir".
- Three lines of welcome text:** Three stacked text boxes containing:
 - "This program will install the first test installation"
 - "onto your system"
 - "Copyright (c) 1994 Freeman Software"A red bracket on the right side of these three boxes is labeled "prompts appearing in the welcome dialog".
- Minimum time to copy a file (ms):** Text box containing "500".
- Divide files into blocks of this big (byte):** Text box containing "2048".
- Check abort button when** **blocks have been copied**
- Update progress bar when** **blocks have been copied**
- Is in debug mode, i.e., don't copy files**
- Kill Program Manager if we started it to DDE with**
- Program to execute, with arguments:** Empty text box.
- When to execute:** Dropdown menu with "After install completion dialog" selected.
- Wait for the termination of the program**
- Buttons:** "OK" and "Cancel" buttons at the bottom.

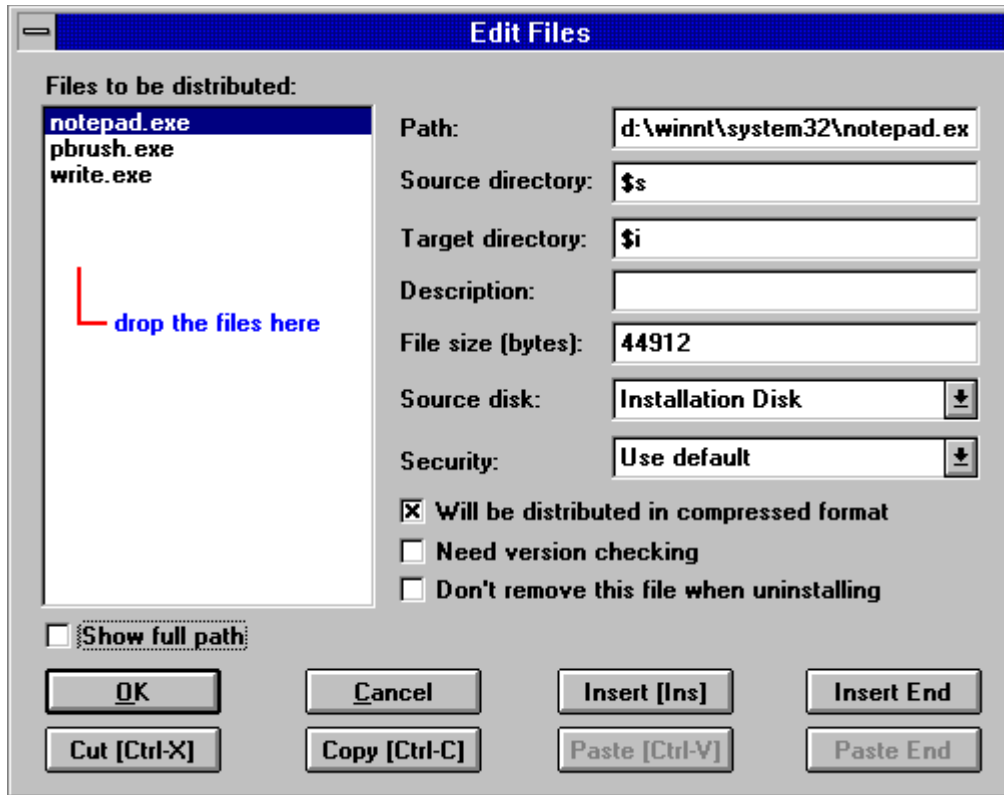
Click on "OK" button.

Step 4

From the "Edit" menu, choose "Files". Let the file dialog open.

Step 5

Run file manager. In file manager, go to d:\winnt\system32 (this might be different on your system) and select three files: write.exe, notepad.exe, pbrush.exe (they are the only applications we are going to "distribute" in this tutorial). Then drag the files from file manager to the list box in the file dialog.

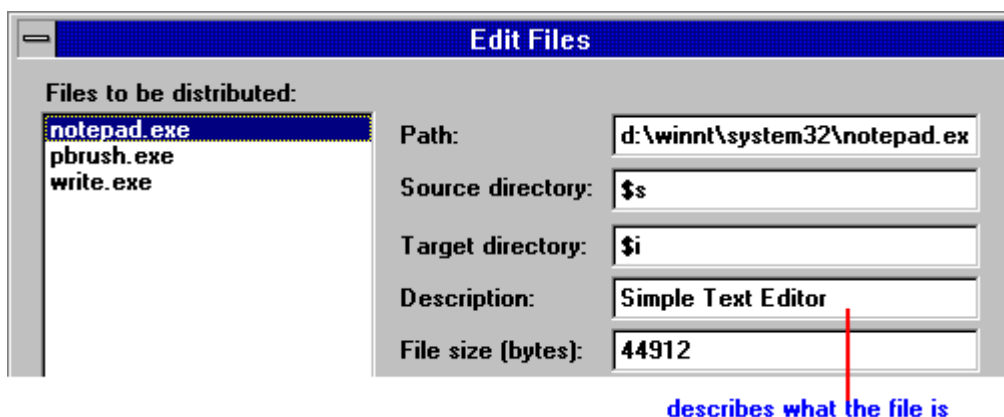


Because all the files will be installed into the target dir (rather than any other dir's or any sub-dir's of it), we can leave the default value \$i in the "Target directory" edit control. \$i means target dir the user inputs during the installation. If we want to install a file into, say, a sub-dir called "data" under the target dir, we should put \$i\sub there.

Because all the files will be in a:\, we can leave \$s in the "Source directory" edit control. \$s means the install source dir (i.e., the dir install.exe is started from, usually it is a:\).

Step 6

Select notepad.exe in the list box and then enter "Simple Text Editor" in the "Description" edit control.

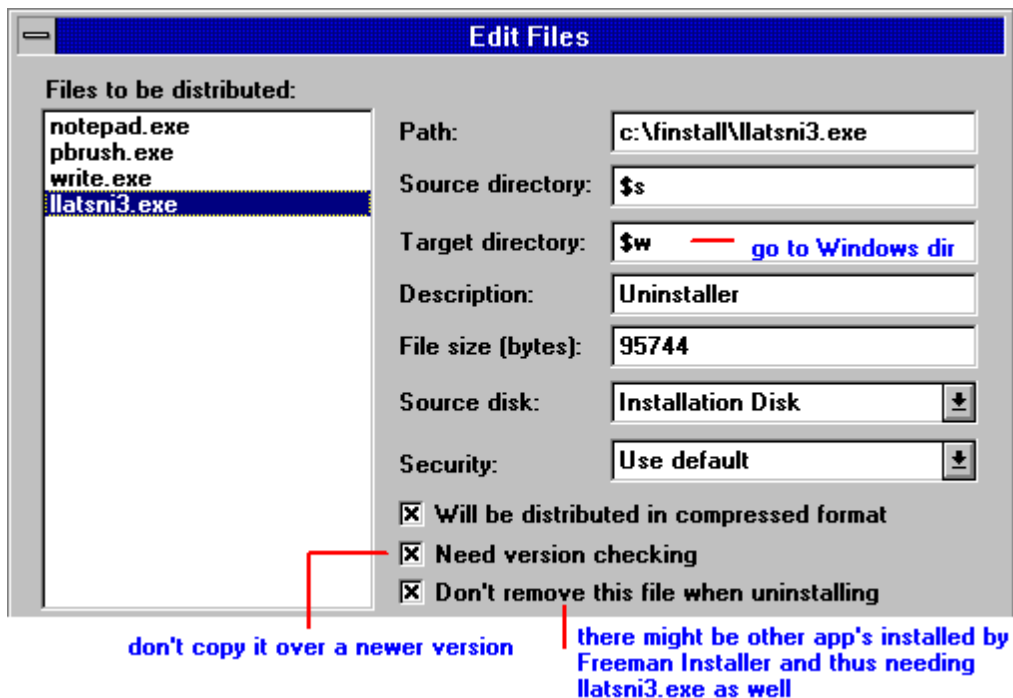


Similarly, enter "Image processor" and "Word Processor" for pbrush.exe and write.exe respectively.

Step 7

Go to file manage again. This time go to c:\finstall and select llatsni3.exe. This is Freeman Uninstaller. Drag it and drop it into the list box. Enter "Uninstaller" as its description.

Now, we have something special here. Enter \$w as the target dir for it. It means that llatsni3.exe should be copied to the Windows dir. Also, check the "Need version checking" check box and "Don't remove this file when uninstalling" check box.

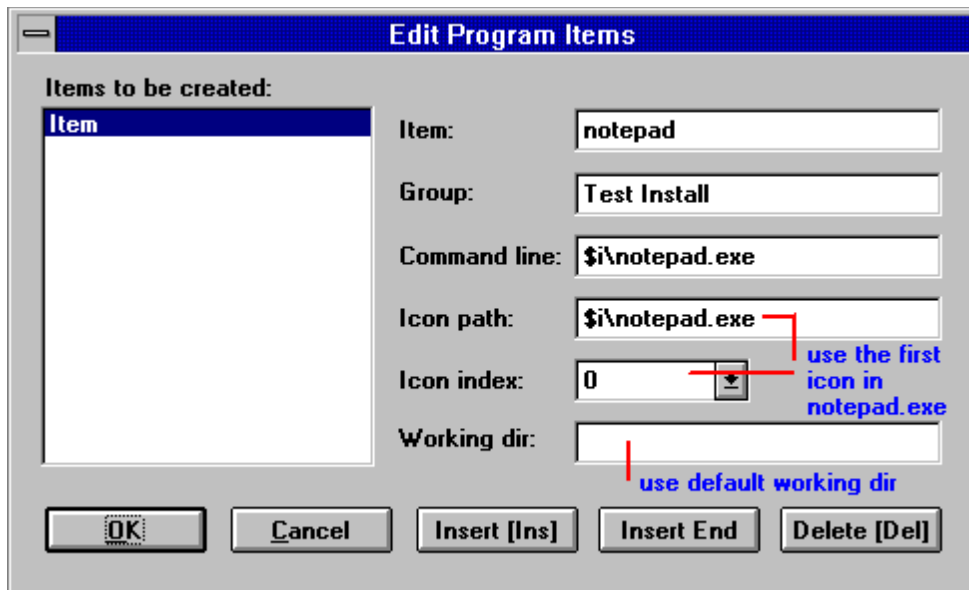


Step 8

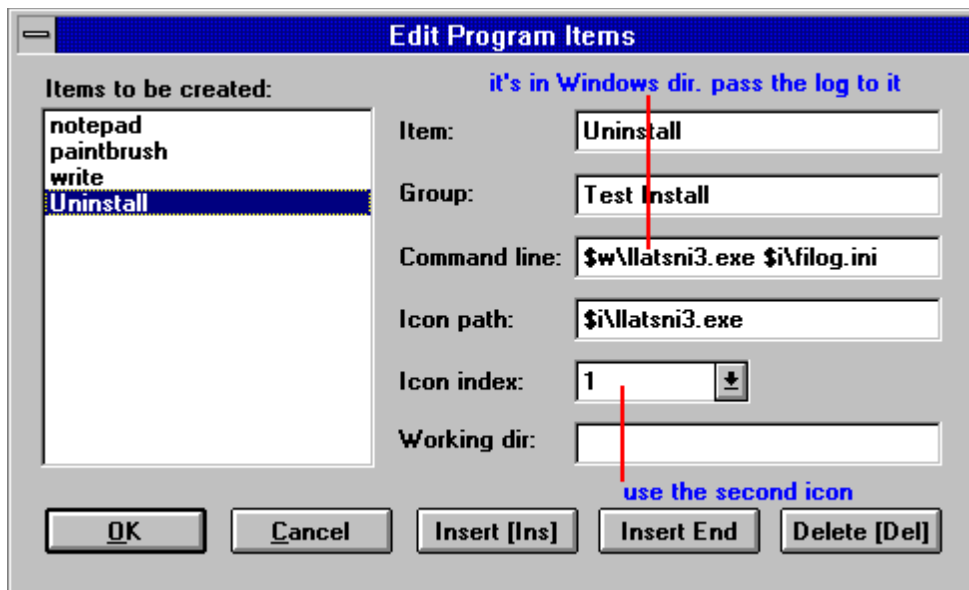
Now we move on to specify what program items we want to install.

From the "Edit" menu, choose "Program Items".

Click on "Insert End" button to get a new program item. This item is for notepad.exe. Fill out the dialog as shown below.



Similarly, create three more items for pbrush.exe, write.exe, and llatsni3.exe. Don't forget llatsni3.exe will be in Windows after the installation, the command line should start with "\$w\llatsni3.exe". In fact, the whole command line for it should be "\$w\llatsni3.exe \$i\filog.ini". filog.ini is a log file which will be created in the target dir during the installation. llatsni3.exe needs this log file to know what to undo. Also, the second icon in llatsni3.exe (rather than the first one) is for the uninstaller.

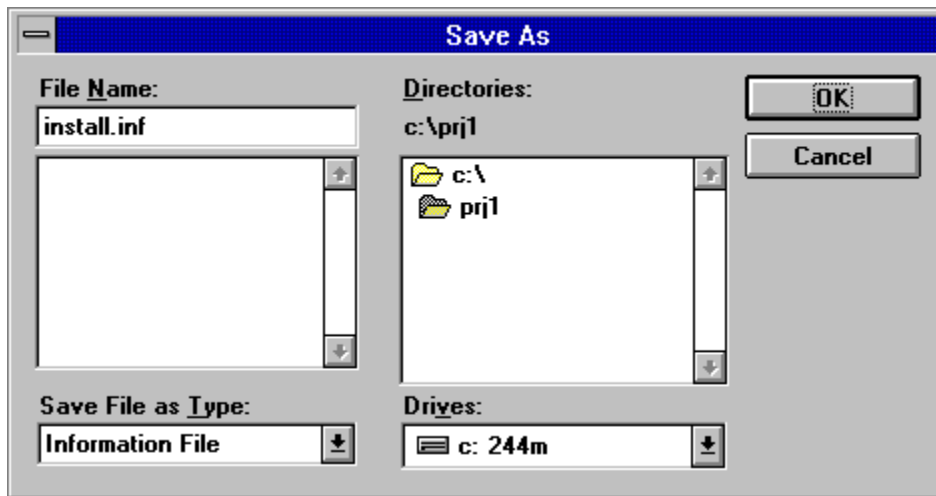


When entering data in edit controls, we can use cut'n'paste to copy the duplicated words like "llatsni3". Select the word, press Ctrl-C to copy, press Ctrl-V to paste.

Done. Click on "OK" button.

Step 9

Go to file manager or DOS command prompt, create a dir c:\prj1. Then from the "File" menu, choose "Save". Save the file as c:\prj1\install.inf.



Step 10

Insert an empty disk into drive a: (this will be our distribution disk) and then copy c:\finstall\install.exe and c:\prj1\install.inf onto a:.

Step 11

Issue the command under DOS prompt,

```
c:\>compress -r c:\finstall\fimain.exe
```

This will compress the main install program and put the corresponding compressed file fimain.ex_ onto a:.

note: You must use option -r so that the original file name is stored in the compressed file. Otherwise, the file won't install properly.

If you get a "bad command or filename" from this command, then you either don't have compress.exe or it is not found on the DOS PATH. To find out if there is a copy of compress.exe on your computer, issue the command,

```
c:\>dir compress.* /s
```

This will search the whole drive c:. If you have d: or a CD drive, go to the their root dir and issue the command again.

If you are out of luck and none shows up, then ask someone else who has Borland C++, Visual Basic, or Windows SDK (Visual C++ won't help).

Step 12

Compress notepad.exe, pbrush.exe, write.exe, and llatsni3.exe and put the corresponding compressed file onto drive a:.

```
c:\>compress -r d:\winnt\system32\notepad.exe a:  
c:\>compress -r d:\winnt\system32\pbrush.exe a:  
c:\>compress -r d:\winnt\system32\write.exe a:  
c:\>compress -r c:\finstall\llatsni3.exe a:
```

At this moment, you should have the following files on the disk,

install.exe	To be run by the user. It will load fimain.exe. Can be renamed to setup.exe.
fimain.ex_	The main install program. It does the real job.
install.inf	It specifies your installation. To be read by fimain.exe.
notepad.ex_	File to be installed
pbrush.ex_	File to be installed
write.ex_	File to be installed
llatsni3.ex_	File to be installed (Freeman Uninstaller)

Done!

Now we are done and ready to "distribute" this disk to your "users". You may want to test run this installation. To clean up the installation, just double click on the "Uninstall" program item.

What's next?

In tutorial 2, we will put some text (with shadow or 3D effect) on the blue background, install ctl3d32.dll for our "package", make the installation span across disks, display readme file upon install completion, set INI entries.