

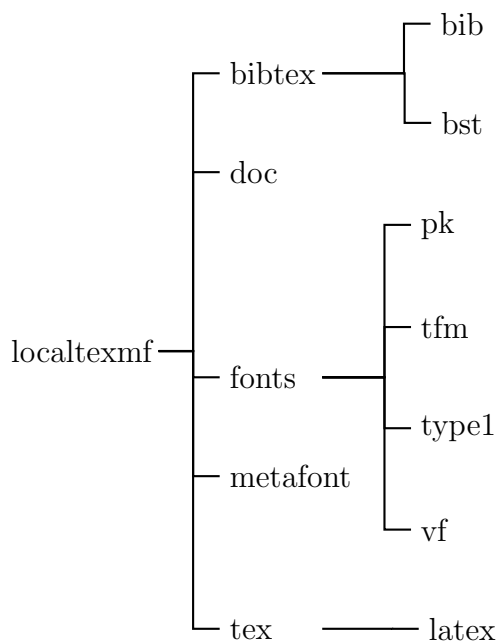
Adding new packages and fonts to **MiKTeX**

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1 Creating your local **T_EX** directory

On your local hard drive, a folder *localtexmf* has been created when you installed **MiKTeX**. Within this folder, create the following directories (this mirrors the structure of files in the original distribution (*texmf*)):



2 Installing packages

The best way to install packages to **MiKTeX** is to do it automatically, because this way you can be sure **T_EX** will find them. Open **MiKTeX Options**, then select the **Packages** tab. In the upper part of the window, select where you want to install a package form (CD or a choice of servers on the internet). It will take a few minutes while **MiKTeX** loads the list of packages available on your selected location. Once this is done, select the package(s) you want to install and click **Install**.

Installing packages manually requires more attention, because you have to know where all the different types of files go (this is not so complicated unless you're installing a font). When you download a whole package from CTAN, the directory structure is usually visible after unpacking, but here's a few crucial examples (*newpackage* is the name of the package you're adding).¹

General	.sty	<i>tex/latex/newpackage/</i>
	.tex	<i>tex/latex/newpackage/</i>
	.pro	<i>tex/latex/newpackage/</i>
Font files	.fd	<i>tex/latex/newpackage/</i>
	.mf	<i>metafont/newpackage/</i>
	.tfm	<i>fonts/tfm/newpackage/</i>
	.afm	<i>fonts/afm/newpackage/</i>
	.pk	<i>fonts/pk/newpackage/</i>
	.vf	<i>fonts/vf/newpackage/</i>

Important: When you've installed a new package, always refresh your file name database. You can do this by opening **MiKTeX Options**, and clicking **Refresh FNBD**.

If all else fails, put the package files in the directory where your *.tex* file is (but not in a subdirectory). This really should be used as a last resort only, because it creates a mess on the long run. Note also that it might not work for font files.

2.1 Installing TIPA

TIPA is part of the small **MiKTeX** distribution, so you can install it automatically either from the CD or from the web (this is strongly recommended). Instructions on how to install it manually can be found [here](#).

¹Note that *.tex* in the following table means the *.tex* files that are part of some packages, *not* the document you're working on.