

Using BBEdition with ToolServer

BBEdit 2.2 is one of a few applications which support Apple's ToolServer™. This functionality requires system 7.0 or later, and enough RAM to run both BBEdition and ToolServer at the same time.

About ToolServer

ToolServer is the MPW “back end”, that is, the part of MPW which can run scripts and MPW tools. None of MPW's editing commands are available, but nevertheless, ToolServer is an excellent tool for performing MPW-based tasks. For more on the gestalt of ToolServer, read the documentation that comes with it. Presently, ToolServer is only available as part of the ETO subscription, though when it's finished, it will be generally available along with the rest of the MPW package.

BBEdit and ToolServer

To communicate effectively with ToolServer, BBEdition uses a few custom scripts and tools of its own.

- **BBEditStartup.** This script establishes the link between BBEdition and ToolServer. It also will execute any scripts in the same folder as ToolServer whose names are BBEditionStartup•<anything>. This is analogous to the MPW Shell's UserStartup• functionality. This file is executed whenever you start up ToolServer from within BBEdition. You should avoid modifying this script. If you have customizations, create a BBEditionStartup• file.
- **BBEditShutDown.** This script breaks the link between BBEdition and ToolServer. It will also execute any BBEditionShutDown• files. You should avoid modifying this script. If you have customizations, create a BBEditionShutDown• file. This script is executed when you turn off “Use ToolServer” or quit BBEdition after you've turned on “Use ToolServer”.
 - **BBEditStartup•411.** This script contains some of the contents of the UserStartup•Help file supplied with MPW's “411” Toolbox reference set. It also contains additional commands necessary for BBEdition's support of 411 to work correctly. You should only install this file if you are also installing the 411 system. Otherwise, leave it out of the MPW folder.

To enhance its support of ToolServer, BBEdition also comes with customized versions of the File and Line commands. Within ToolServer, File and Line are not ordinarily available, but with these scripts, you can use File and Line from within BBEdition. These commands are particularly handy to have when working with compiler error output.

The “RBBEdit” tool is essential to BBEdition's support of ToolServer. Without this tool, none of BBEdition's ToolServer support will work correctly. You should copy this tool to the Tools folder which is in the same directory as ToolServer (and as MPW, if it's installed).

To install these items, simply drag them to their appropriate places as indicated by the name of the folder they're in.

BBEdit and 411

As mentioned in passing above, BBEdition includes support for the basic functionality offered by 411. In particular, the Lookup and Template commands are supported. If you installed the BBEditionStartup•411 file correctly, and 411 is correctly installed, these commands will be enabled under the “MPW” menu.

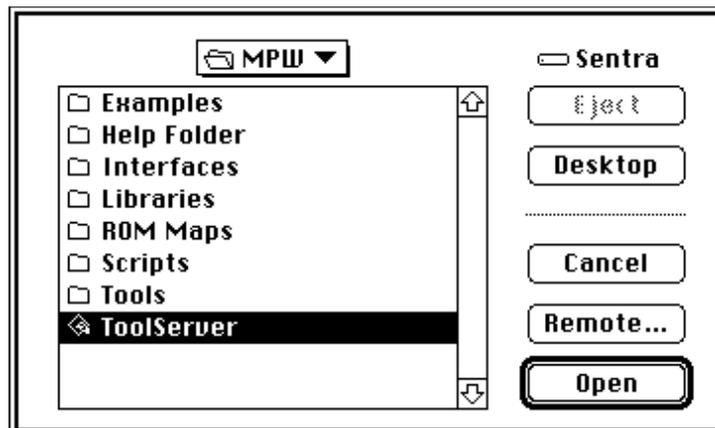
To look up a Toolbox symbol, simply select it in any editing window (including the ToolServer Worksheet) and choose “Look Up” (or type Command-L). If the symbol is found in the 411 database, a “Help” window will be opened, and the reference information for that symbol will be displayed.

To paste a call template for a Toolbox function, select the function's name and choose “Template” (or type Command-M). The selected name will be replaced with a call template of that function.

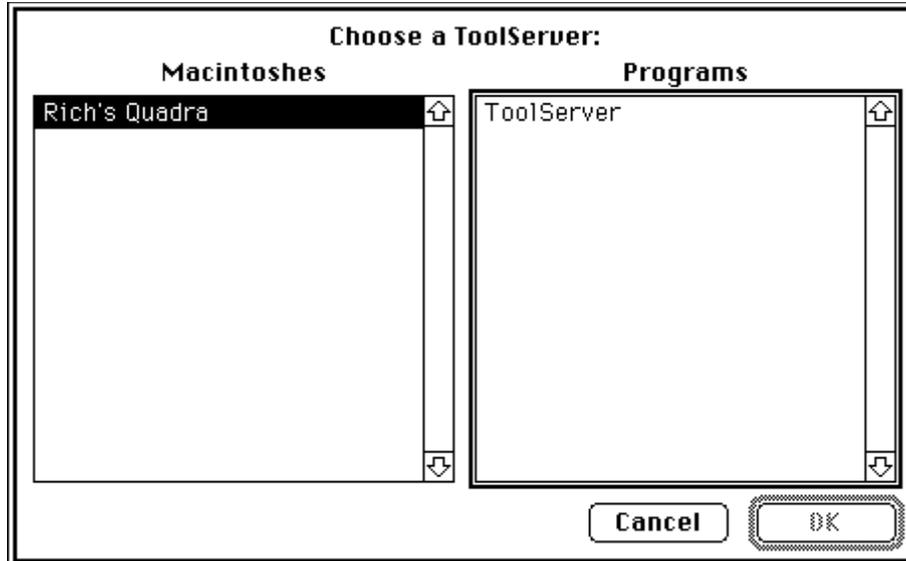
If you choose “Look Up...” or “Template...” with no selection, a dialog box will prompt you for the Toolbox symbol to be looked up or templated. Type in a symbol and click the “OK” button to proceed, or the “Cancel” button to do nothing.

Using ToolServer

Once BBEdition is running, you may use ToolServer by choosing “Use ToolServer” from the “MPW” menu. If you have never launched ToolServer before, BBEdition will pose a file-selection dialog so that you can locate the ToolServer you wish to attach to.



You can choose a copy of ToolServer on a local hard disk, or click the “Remote...” button to choose a ToolServer that is already running on a remote machine.



Once you have designated your ToolServer, BBEEdit will remember where it is, and not ask you again.

If ToolServer is already running on your machine, BBEEdit will not ask you where it is, and will simply connect to it.

Once ToolServer is running, a check mark will be placed next to the “Use ToolServer” command; choose Use ToolServer again will shut down ToolServer.

After connecting to ToolServer, BBEEdit will open the "ToolServer Worksheet" window. In this window, you can enter MPW shell commands just as you would when using the MPW Shell itself. To send a command to ToolServer, place the insertion point on the same line as the command you wish to execute, or select the commands you want to execute, and hit the Enter key or choose "Send Command" from the MPW menu.

To execute a file full of commands (for example, the output of a makefile), open the file, and choose "Execute Commands" from the MPW menu. Each command will be selected and executed in sequence. This functionality is analogous to MPW's "DoIt" command.