

# Template:Networking device compiling a single package

## Compiling a single package

If you ever need to compile a single package you do not need to compile the whole firmware. As an example we will try to compile a {{{package\_type}}} called {{{package\_name}}}.

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1. Now we need to do this steps:

1. Open the **Kconfig** by executing this command in the terminal:

```
make menuconfig
```

2. Navigate to the menu section of {{{package\_name}}} text editor. It can be found under " {{{package\_path}}} "
  3. Select {{{package\_name}}} package
  4. Three times press the "**Exit**" entry  
[[File:{{{package\_selection\_file}}}|border|class=tlr-border|700px]]
  5. Save the configuration by selecting "**Yes**" in the prompted window  
[[File:{{{menuconfig\_saving\_file}}}|border|class=tlr-border|700px]]
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2. When the package is selected we need to compile and install it:

1. While standing in root directory of the project execute this command in the terminal:  
{{{package\_compile\_command}}}  
[[File:{{{package\_compile\_file}}}|border|class=tlr-border|900px]]
2. The compiled package can be found in the directory {{{compiled\_package\_path}}}. Upload the {{{package\_name}}} install file into the router by executing this command in the terminal: {{{package\_transfer\_command}}}
3. Connect to your routers command line interface by executing this command in the terminal:

```
ssh root@<device_ip_addr>
```

4. Change your directory to **/tmp** directory
5. Install the {{{package\_name}}} text editor by executing this command in the terminal:  
{{{package\_install\_command}}}
6. Try out the nano text editor by executing this command: {{{package\_testing\_command}}}

```
[[File:{{{package_install_file}}}|border|class=tlr-border|900px]]
```

**Note:** If the package that you want to compile isn't selected in the **Kconfig**, the install file of the package will not be created