

# 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}}}.

---

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=tl-t-border|700px]]
```

5. Save the configuration by selecting “**Yes**” in the prompted window

```
[[File:{{{menuconfig_saving_file}}}|border|class=tl-t-border|700px]]
```

---

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=tl-t-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=tl-t-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