

# Quick guide how to create .deb package on your N9/50

1. Go to folder **/home/user/MyDocs/.DEBCREATOR** (you will see this folder after installation)
2. Create here folder with name of your package, for example **my-package**
3. Inside the **my-package** folder, create folder named **DEBIAN**
4. Now you got: **/home/user/MyDocs/.DEBCREATOR/my-package/DEBIAN**
5. Inside the **DEBIAN** folder you need put a few files:
  - **control** (needed) and **preinst, postinst, prerm, postrm** (if you want/need)
6. Example how the control file should look:

```
Package: my-package
Version: 0.0.1
Architecture: armel
Maintainer: Schturman <schturman@blabla.com>
Installed-Size: 260
Section: user/other
Priority: optional
Homepage: http://www.your-site.com
Description: Deb packages creator for harmattan (N9 & N950)...
Maemo-Display-Name: DEB packager
Maemo-Flags: visible
```

Add icon to your **control** file.

1. Create icon with dimension **64x64px** and extensions **.png**, for example **my-package64.png**
2. Put this icon, for example to: **/home/user/MyDocs/my-package64.png**
3. Open Terminal and run this 2 commands:

```
echo Maemo-Icon-26: >> /home/user/MyDocs/.DEBCREATOR/my-package/DEBIAN/control
base64 /home/user/MyDocs/my-package64.png | sed 's/^/ /' >> /home/user/MyDocs/.DEBCREATOR/my-package/DEBIAN/control
```

7. Now your control file looks like this:

```
Package: my-package
Version: 0.0.1
Architecture: armel
Maintainer: Schturman <schturman@blabla.com>
Installed-Size: 260
Section: user/other
Priority: optional
Homepage: http://www.your-site.com
Description: Deb packages creator for harmattan (N9 & N950)...
Maemo-Display-Name: DEB packager
Maemo-Flags: visible
Maemo-Icon-26:
iVBORw0KGgoAAAANSUhEUgAAAEAAAABACAYAAACqaXHeAAAKRWIDQ1BJQ0M
U2dUU+kWPffe9EJLiICUS29SFQggUkKLgBSRJiohCRBKICGh2RVRwRFFRQQbyKCIA
```

8. Now go to: **/home/user/MyDocs/.DEBCREATOR/my-package** and put here your moded files with full path where you want to replace them. For example: **/opt/my-package/my-script.sh**  
Or for example you want to replace stock browser icon located in:  
**/usr/share/themes/blanco/meegotouch/icons/icon-l-browser.png** Just create here a full path to this icon or manually or with command:

```
mkdir -p /home/user/MyDocs/.DEBCREATOR/my-package/usr/share/themes/blanco/meegotouch/icons
```

And put here your new icon **icon-l-browser.png**.

9. Another way, you can use **postinst** script to copy your file to destination.
10. **Don't forget to create backup** of the files that you go to replace. For this you can use **preinst** script and for restore original one, use **prerm** script for example.
11. Also, if you want to add aegis-manifest file, you can do it too, just create file named:  
**my-package.aegis** and put this file to your package folder:  
**/home/user/MyDocs/.DEBCREATOR/my-package**
12. The content of **my-package.aegis** should look in this format:

```
<aegis>
  <request policy="add">
    <credential name="UID::root" />
    <credential name="GID::root" />
    <credential name="GRP::root" />

    <for path="/opt/my-package/my-script.sh" />
  </request>
</aegis>
```

This example if you want to run your script as **ROOT** from the desktop icon that should look like this:

```
[Desktop Entry]
Type=Application
Name=My App
Categories=System;
Exec=/usr/bin/meego-terminal -n -e /opt/my-package/my-script.sh
Icon=/usr/share/icons/hicolor/80x80/apps/my-package80.png
```

Because we not use rule file in packaging process, you need give a right permission to your executable file (**my-script.sh**). Just add this line in **postinst** script:

```
chmod 4755 /opt/my-package/my-script.sh
```

Now add Manifest line to your control file too: **Aegis-Manifest: included**

Example:

```
Package: my-package
Version: 0.0.1
Architecture: armel
Maintainer: Schturman <schturman@blabla.com>
Installed-Size: 260
Section: user/other
Priority: optional
Homepage: http://www.your-site.com
Description: Deb packages creator for harmattan (N9 & N950)...
Aegis-Manifest: included
Maemo-Display-Name: DEB packager
Maemo-Flags: visible
Maemo-Icon-26:
iVBORw0KGgoAAAANSUgAAAEAAAABACAYAAACqaXHeAAAKRWIDQ1BJQ0M
U2dUU+kWPffe9EJLiICUS29SFQggUkKLgBSRJiohCRBKICGh2RVRwRFFRQQbyKCIA4
```

13. In this folder **/home/user/MyDocs/.DEBCREATOR** you can put a quantity of folders (your packages) as much as you want, but the app can show **ONLY first 5** folders ! You can hide folders from app that you not use at this time by adding dot at the beginning of the name (**.my-package**), especially if this folders a first 5 folders...
14. Also for test and learning you can download this [iconchanger.tgz](#) and put it to: **/home/user/MyDocs**
  - Open terminal as **ROOT** and write:

```
tar xvpfz /home/user/MyDocs/iconchanger.tgz -C /home/user/MyDocs/.DEBCREATOR
```

- It will extract all files of the demo Icon changer package and it ready to packaging. Just look into the files how I did it...
  - Also you can download this demo package ready to install and try it, see how it work after installation: [iconchanger.deb](#). This package will replace icon of empty folder to new one and add app icon to desktop that you can check how work script as root from desktop icon.
15. Now, run “**DEB packager**” app from your desktop, then choose numbers of packages that you want to create separated by one space (1 4 5...). It will create your **.deb** packages and you will find them in their folders: **/home/user/MyDocs/.DEBCREATOR/my-package**

**Use created .deb packages on your own risk !**  
**I'm not responsible for any damage if it will cause to your phone ;)**

Good luck...

Thanks for using my script,  
Schturman