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Subject: Re: Compile error on Fedora 25 x86\_64  
Posted by [amrein](#) on Sun, 25 Dec 2016 17:49:48 GMT  
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What I have found so far:

- Fedora, Redhat and Centos have removed the `_desktopdir` variable, so `upp.spec` needed to use `"%{_datadir}/applications"` instead. This is fixed in the provided `upp.spec` and has been committed too in svn.
- You build your rpm package as root, am I write? You should build your rpm package with a standard user account.
- Previous stable version of `ultimate++` source won't build without manual fix on new linux distributions due to changes in external dependencies. `Ultimate++ 10577M` snapshot doesn't have this issue and is up to date. Thank to Mirek to point that out.
- Before compiling, you need to install all required devel packages and tools. So as root type:

```
yum install gtk2-devel pango-devel atk-devel cairo-devel libnotify-devel bzip2-devel  
xorg-x11-server-devel freetype-devel expat-devel rpm-build gcc-c++
```

Then to compile `upp` from source, login using your user account, download `upp-x11-src-10577M.tar.gz` and `upp.spec` and type in a terminal:

```
mkdir ~/rpmbuild/{BUILD,BUILDROOT,RPMS,SOURCES,SPECS,SRPMS}  
cp upp-x11-src-10577M.tar.gz ~/rpmbuild/SOURCES/  
cp upp.spec ~/rpmbuild/SPECS/  
rpmbuild -bb --define 'version 10577M' --define "date $(LC_TIME=En date '+%a %b %d %Y')"  
~/rpmbuild/SPECS/upp.spec
```

Note :

1. You will be able to build directly from tarball when the new `upp.spec` will be included in the new snapshot. Tomorrow I guess.
2. If my instructions above don't work on Centos, tell me witch version of Centos so I can test it too and find a solution.