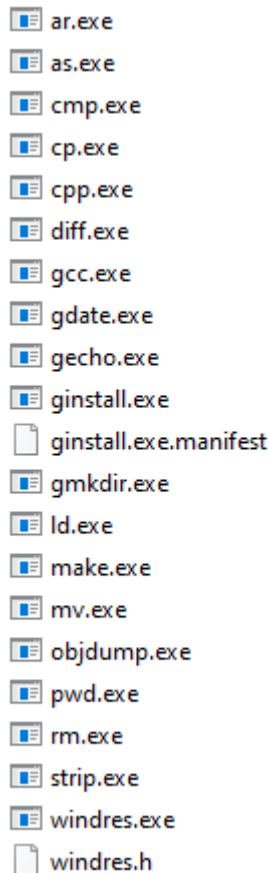


1. Download the latest sources of **FPC** version **3.2-fixes** - official site: https://gitlab.com/freepascal.org/fpc/source/-/archive/fixes_3_2/source-fixes_3_2.zip
2. Unzip the archive to some location, for the purposes of the instructions we will assume: **C:\src**
3. Navigate to the **fpc** subdirectory located in the folder with installed **Lazarus**, for the purpose of the example we will assume that the installation folder is: **C:\lazarus**, so the path is **C:\lazarus\fpc**.
4. Create a **tools** directory into which you should copy several files from the current version of **FPC** - From the path **C:\lazarus\fpc\3.2.2\bin\x86_64-win64** copy the following files:



- ar.exe
- as.exe
- cmp.exe
- cp.exe
- cpp.exe
- diff.exe
- gcc.exe
- gdate.exe
- gecho.exe
- ginstall.exe
- ginstall.exe.manifest
- gmkdir.exe
- ld.exe
- make.exe
- mv.exe
- objdump.exe
- pwd.exe
- rm.exe
- strip.exe
- windres.exe
- windres.h

5. In the **C:\lazarus\fpc** directory, create a ***.bat** file with the following contents and, based on the comments, set the 2 paths correctly:

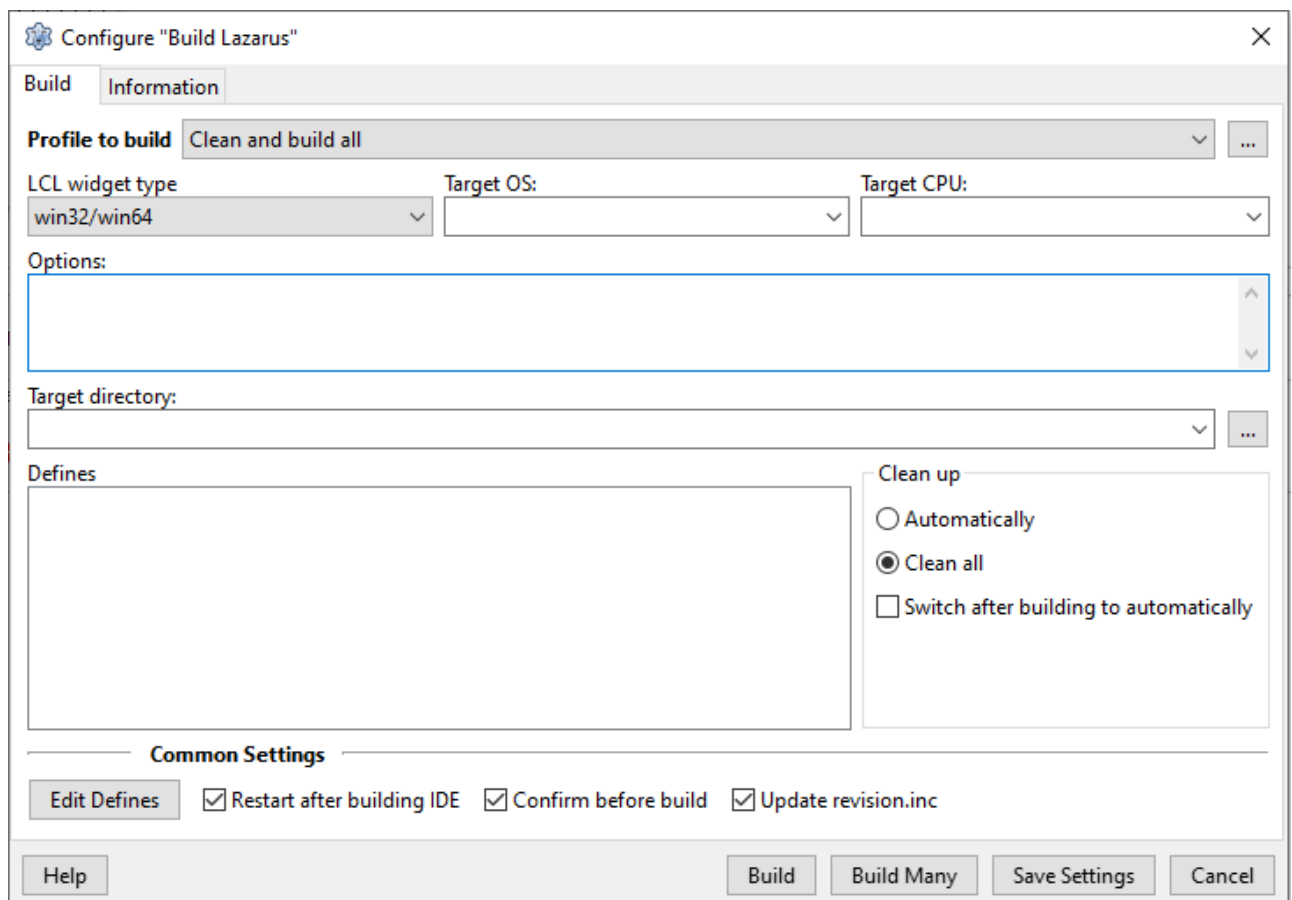
```
@echo off
cls
echo -= Prepare -=
REM below set the path to the FPC sources, this path must include the compiler, packages, rtl,
etc. folders.
set _FPCSRC="C:\src\fpc-3.2-fixes"
REM here you set the path to install lazarus
set _LAZDIR=C:\lazarus
set _PATH=%PATH%
cd %_LAZDIR%\fpc
mkdir 3.2.3\src
set _FPC_NEW=%_LAZDIR%\fpc\3.2.3
set PATH=%_LAZDIR%\fpc\3.2.2\bin\x86_64-win64;%PATH%
set OPTIONS=-O2
set THREADCNT=%NUMBER_OF_PROCESSORS%
cd %_FPC_NEW%
robocopy %_FPCSRC% src /e /mt /nfl /ndl /njh /njs /nc /ns /np /xd ".git"
robocopy src\rtl source\rtl /e /mt /nfl /ndl /njh /njs /nc /ns /np
robocopy src\packages source\packages /e /mt /nfl /ndl /njh /njs /nc /ns /np
```

```

echo -= Clean -=
cd %_FPC_NEW%\src
make -j %THREADCNT% -s clean FMAKEOPT="-T %THREADCNT%" OPT="%OPTIONS%"
echo -= FPC compilation -=
make -j %THREADCNT% -s all FMAKEOPT="-T %THREADCNT%" OPT="%OPTIONS%" OS_TARGET=win64
CPU_TARGET=x86_64
echo -= FPC installation -=
make -j %THREADCNT% -s install FMAKEOPT="-T %THREADCNT%" OPT="%OPTIONS%"
INSTALL_PREFIX=%_FPC_NEW% OS_TARGET=win64 CPU_TARGET=x86_64
echo -= FPC configuration -=
cd %_FPC_NEW%\bin\x86_64-win64
fpcmkcfg -d basepath=%_FPC_NEW% -o .\fpc.cfg
echo -= Cleaning -=
cd %_FPC_NEW%
rmdir /s /q src
rmdir /s /q examples
robocopy %LAZDIR%\fpc\tools %_FPC_NEW%\bin\x86_64-win64 /mt /nfl /ndl /njh /njs /nc /ns /np
set PATH=%_PATH%
cd ..
echo -= end -=

```

6. Run the saved *.bat file and wait for the compilation and installation of FPC from the sources to complete
7. Start Lazarus and go to configure paths: Tools > Options > Environment > Files
8. Change the version number in the path for the Compiler executable (e.g. fpc.exe) from 3.2.2 to 3.2.3, in my case after the change it looks like this: \$(Lazarusdir)\fpc\3.2.3\bin\x86_64-win64\fpc.exe
9. Save changes and close the window.
10. Refresh FPC source file information: Tools > Rescan FPC Source Directory
11. Rebuild IDE in configuration Clean and Build all: Tools > Configure "Build Lazarus" ...
12. In the window, set the options as in the screenshot:



and click **Build**

13. You wait until the **IDE** rebuilds and restarts.

After all, you should have **Lazrusa** with **FPC 3.2.3**