

Building Libre office(LibreOffice Development environment LODE) on windows

Before anything, I download the necessary dependencies tools on windows such as Cygwin, Microsoft Visual studio 2022, JDK (Java), power-shell, they are not part of the LODE and yet the must the installed separately and manually.

So I download Cygwin first and installed it, it has a bat files where the setup will be done. On power shell, one would need to change the windows permissions settings which is at default restricted to unrestricted to be able to run the scripts, I insert the command "Get-ExecutionPolicy", then run the power shell as an administrator and run the command "Set-ExecutionPolicy -ExecutionPolicy Unrestricted". After this, I did run the install_cygwin.ps1 script in the power shell, this will install all the Cygwin dependencies needed for libreoffice to build, after that I reset the permission settings to the default by running the command "Set-ExecutionPolicy -ExecutionPolicy <ORIGINAL_PERMISSION_LEVEL>". Then you run cmd and paste some commands which are required packages to run cygwin. This commands are found on the wiki build page.

In visual studio, some components are needed to be installed so as to run the build successfully such as c++ core features, windows 10 SDK, etc which complete list are also found on the wiki build page. Once all the dependents are all ready and installed. One opens the cygwin bat and begin to clone the git repository by run the command in cygwin bat "git clone <https://gerrit.libreoffice.org/lode>". After that change the directory to the lode by "cd lode". Once all the prerequisites are complete, run ./setup and I did run "export LODE_HOME=/home/user/lode" and next "PATH=\${LODE_HOME}/opt/bin:\${PATH}" restart the terminal. At the point was were I started encountering blockers as I tried to run "./setup - - dev - - force ", so MR Ilmari advice we did a shallow clone cause my Windows system specification was low at 4gb of RAM. We tried a lot of solutions all to no avail, we tried edit the bin/utilise.sh in several different ways, so we then downloaded a archive containing the libre office source repository and extracted the archive with "tar xvf libreoffice-core.tar.bz2" into a lode/dev/core directory, while still in that directory, git checkout - -, was run. The line 569 in utility.sh file was made a comment, that was the solution to the blockers there. At of that time I had problems with my log in on libre.chat that made me banned at this point I was already frustrated, so I had to retire for that day and find a way to be unbanned. So when I resolved the log in issue, it was time to start the build, the autogen commmanf was also faulty and not running properly. So I edited the autogen.input file which exist already as lode created it, I inputed "- - with-visual-studio=2022" and "- -without-Java" and then run ./autogen.sh which did after lot it given earlier, so I run make but it's seems the server was down and temporarily unavailable, I had to wait and try again later and it run although the night, in the morning it's last output was done and I run make check which also the output was done. Finally I run the the fresh build of libre office of windows using "instdir/program/soffice..exe"

