# Z80 Emulator for Slackware

The following information will assist you in getting MYZ80 by Simeon Cran running on Slackware 14 under DOSBox.

## PREWORK:

1. Locate the zipfile myz80.zip, and extract the contents to a folder named Z80-Sim.

http://www.z80.de/myz80.zip

2. Install DOSBox from SlackBuilds.org

**REF's:**
http://slackbuilds.org
http://www.dosbox.com
http://dosbox.sourceforge.net/wiki

3. Read the CP/M Emulator Documentation in the Z80-Sim subdirectory.

4. DOSBox - Command Summary

The following commands can be used in DOSBbox

```
intro
intro mount
intro cdrom
intro special
help
help /all
```

CNTL + F1 to Enter the Keymapper Setup
CNTL + F11 to Slow down Emulation - Decrease DOSBox Cycles
CNTL + F12 to Speed up Emulation - Increase DOSBox Cycles
ALT + ENTER to Toggle to FULL Screen or Normal Display

> There are several special commands that are shown in the DOSBox Help screens.
> Be sure to also read those instructions.

> If you should have problems getting the CPU Speed (Cycles) Decreased with CNTL+F11, Increased with CNTL+F12, and access
> to the Keymapper with CNTL+F1, the problem may be associated with your Window Manager.

> The solution is to look at: APPLICATIONS MENU → SETTINGS → WINDOW MANAGER → KEYBOARD TAB then scroll down until you see workspace_1, workspace_11, workspace_12, and delete those assignments. If you wish to enable those again, just use RESET to Default.
>
> This allows DOSBox to use CNTL+F1, CNTL+F11, and CNTL+F12 to access the Keymapper and Change the CPU Cycles accordingly.

5. Testing DOSBox commands and methods.

The following is an example of typical commands needed to mount and un-mount a subdirectory in DOSBox.

I had several recipes that were saved in C:\pw\2_LDK\Cookin on an old Dos machine. I copied the complete C:\pw folder to /home/larry/C:/. This folder will be mounted as C: Drive in DOSBox so the EXE, COM, or BAT files can be executed. To mount my C: drive, I used the mount command to mount the Linux folder as c and then change to Drive C:\> and executed my old DOS Programs.

I executed DOSBox from the Slackware Xfce menu: APPLICATIONS MENU → SYSTEM → DOSBox

When the DOSBox window opened I mounted my SUBDIRECTORY as Drive C.

> When I change to Drive C, I am really pointing at /home/larry/pw
> DOSBox positions you at Drive z as default.

```
mount c ~/C:
C:
dir/p
cd pw
pw
```

From within pw I just used a normal program exit.

Before I can un-mount the drive, I must change back to drive z:, then I can issue the un-mount command.

To unmount C: and exit DOSBox use the following commands:

```
z:
mount -u c
```

# Running MYZ80 the Z80 CP/M Emulator

I executed DOSBox from the Slackware XFCE menu: APPLICATIONS MENU → SYSTEM → DOSBox

DOSBox positions you at Drive z as default.

I typed the following commands adjusting for the specific Emulator name.

```
mount c ~/path/to/Z80-Sim
c:
dir /p
myz80
```

There are two programs (IMPORT.COM & EXPORT.COM) that allow me to import and export files into the DSK images.
I wanted to use Nulu12 and Nsweep because those were not included. I found the files on the Internet, but I needed
to extract them from a LBR file. That led to a search for UNARC16.ARK. I found the file and finally found the
instructions about just renaming it to UNARC16.COM, and then executing the file since it was a Self Extracting type
file. That allowed me to extract Nulu12 and Nsweep from some of the ARC type files. Then, I just imported Nsweep.com
and Nulu12.com into the Z80 Emulator. That allowed me to search more LBR files, including the myz80com.lbr file.

Other Z80 CP/M Commands:

```
dir
dir B:
user 1
dir B:
user 2
dir C:
user 0
dir
```

> CNTL + C – is used to reload the Disk Directories in CP/M
> It should be used any time a Floppy is Inserted in any Physical Drive.

Now, the whole world of CP/M is now available for your work or play. Be sure to check out all the nice utilities in CP/M.

When I am finished with the Emulator, I use EXIT to exit. Then I need to un-mount the subdirectory and exit the Terminal Window.
I use the following commands:

```
z:
mount -u c
exit
```

If my Terminal hangs, I can open another Terminal and execute the following commands to stop the process and close the Terminal.

```
top
q
```

> | note | CNTL + C – Can also be used to Terminate the command top

I look for the Process number associated with DOSBox. Assume 6545. I use the following command to Terminate the Process.

```
kill -9 6545
```

## References for CP/M Archives

http://z80cpu.eu/mirrors/oak.oakland.edu/
http://www.classiccmp.org/cpmarchives/cpm/
http://z80cpu.eu/mirrors/oldcomputers.dyndns.org/rechner/

# Sources

- Contributions by ldkraemer

howtos, software, emulators, dosbox, Z80, CP/M, author ldkraemer

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