

How to make changes and test application in KolibriOS

Environment: Windows machine + VMWare Workstation -> Ubuntu

Following this guidelines: http://wiki.kolibrios.org/wiki/Compiling_application_in_Linux

1) Create CPUID application

Go in KolibriOS/Program/System/CPUID/trunk/

Run this command:

```
fasn CPUID.ASM CPUID
```

- 'ls' to check CPUID is created. Now we need to copy this to the disc.

2) Copy CPUID to disk, follow this steps:

```
sudo mkdir /media/floppy1/
```

```
sudo mount -o loop ~/kolibrios/kolibri.img /media/floppy1/
```

```
sudo mkdir /media/floppy1/my
```

```
sudo cp ~/kolibrios/programs/system/CPUID/trunk/CPUID /media/floppy1/my
```

```
sudo umount /media/floppy1/
```

- This should copy the CPUID to disk, to check you can check 'my' folder before unmounting the disk.

3) Running a program in VirtualBox

Installing Oracle VM VirtualBox:

```
sudo apt-get install virtualbox
```

Creating virtual machine:

```
vboxmanage createvm --name "kolibrios" --register
```

```
vboxmanage storagectl "kolibrios" --name "Floppy" --add floppy
```

```
vboxmanage storageattach "kolibrios" --storagectl "Floppy" --port 0 --device 0 --type fdd  
--medium ~/kolibrios/kolibri.img
```

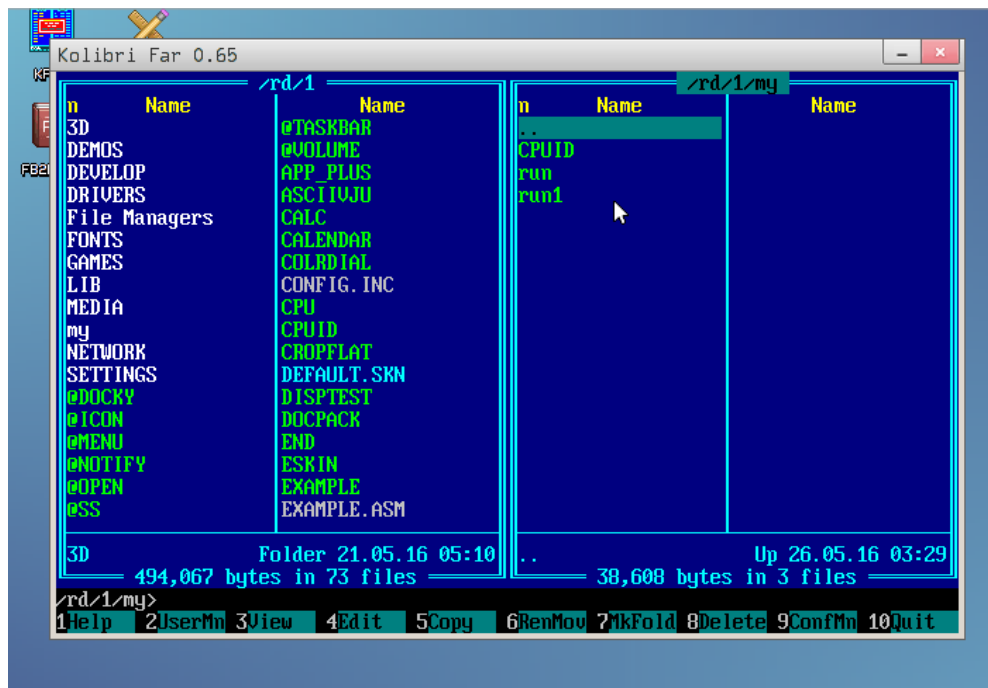
Running KolibriOS:

```
vboxmanage startvm "kolibrios" &
```

4) Open your modified CPUID application in KolibriOS

Once inside kolibri, open KFAR.

In the right hand side, open up your disc image. Should look like this.



Run CPUID application. (Just double click this). Should see your updated CPUID application.