

Blog Export: ZX-81's web site, <http://zx81.zx81.free.fr/serendipity/>

Wednesday, April 21. 2010

PSP Development Kit ready to use for Windows Users [UPDATE]

Hi All,

For windows users who want to develop on their windows PC, little homebrew for the PSP, without spending hours or days trying to install cygwin and compile the toolchain, this package is for you !!

You have first to install VirtualBox that is freely available : <http://www.virtualbox.org/>

The version i use is there :
<http://zx81.zx81.free.fr/public/psp/virtualbox/>

You should then download rar files present here :

<http://dl.free.fr/mrMoqDD4I>
<http://dl.free.fr/mStRpxBYD>
<http://dl.free.fr/mrJkbZKKnv>
<http://dl.free.fr/mfkeCpfa6>
<http://dl.free.fr/mm9sSzX4Q>
<http://dl.free.fr/m38NTWsoV>
<http://dl.free.fr/mh3y5OPQY>
<http://dl.free.fr/mTQ87SHcm>
<http://dl.free.fr/ml7K482D9>

You have to unrar the rar archive in disk1.vdi (you need at least 4Gb of free space on your hard disk)

Then create a new virtual host, Linux 2.6 with 256 Mb of memory, and use the disk1.vdi as a disk image !

This disk image contains a full install of xubuntu 7.4, where the PSP SDK has been already compiled, and several other software added (such as the famous IDE Kdevelop, gcc, SDL etc ...).

After virtually booting Xubuntu, the login name is psp, and the password is psp.

I've written a small PSP project (hello world) for Kdevelop, ready to use.

Then you must create a shared folder called "shared" (to share files between windows and your virtual Ubuntu host) as follows :

Then you can boot xubuntu :

And login using psp as login and password :

If you want to install xubuntu by your own, then you will just have to install the pre-compiled version of the PSP SDK (with gcc-431) :

<http://www.easy-share.com/1910013010/pspdev-gcc431.tar.bz2>
or <http://dl.free.fr/mg2ZFLzpd>

Blog Export: ZX-81's web site, <http://zx81.zx81.free.fr/serendipity/>

Hope that helps,

Zx

** UPDATE: 2010/4/24 **

a new xubuntu 8.4 version + eclipse IDE; working with latest VirtualBox version

<http://www.easy-share.com/1910013308/xubuntu-8.4-devel.7z.001>

<http://www.easy-share.com/1910013334/xubuntu-8.4-devel.7z.002>

<http://www.easy-share.com/1910013545/xubuntu-8.4-devel.7z.003>

<http://www.easy-share.com/1910013618/xubuntu-8.4-devel.7z.004>

Ubuntu account :

login: devel

password: devel

Posted by zx-81 in SDK at 15:47

Cool! Thanks for this. I'd like to set up a compile environment for the PSP. Already got one for the xbox..
greenchili on Feb 10 2008, 11:40

Will this let me develop for the psp slim ?
Eps on Feb 10 2008, 12:57

If you got one for xbox under linux, then you just have to download the pspdev-gcc package ...

Zx
zx-81 on Feb 10 2008, 17:56

Yes for slim and fat,

Zx
zx-81 on Feb 10 2008, 17:58

Nah, the xbox kit is for windows and uses visual studio.
greenchili on Feb 11 2008, 01:00

thanks for that tool..

you're doing for players with ya'll emultors
you're doing for coders with SDKs like this..
thanks for that work..
i'm impressed.
Seanpaul223 on Feb 11 2008, 04:50

Ok i see ...

Zx
zx-81 on Feb 11 2008, 08:27

Thanks,

Zx
zx-81 on Feb 11 2008, 08:27

Hej this package looks like the ultimate devkit that I was looking for. A can't find words to describe how much you Rock!

btw is it possible to mirror the files somewhere else? I'm trying to get them for the past 8h and got only 50mb :-/

Blog Export: ZX-81's web site, <http://zx81.zx81.free.fr/serendipity/>

fsrdh on Feb 11 2008, 17:37

If you know a good free place where i can upload them ?

Zx
zx-81 on Feb 11 2008, 20:12

rapidshare,easyshare or maybe qj.net could host it?
fsrdh on Feb 11 2008, 23:18

I will do it on easyshare (it's in the queue right now)

Zx
zx-81 on Feb 11 2008, 23:49

THanks for the awesome upload.Im allready compiling my sources under your devkit and it is the best and easiest resolution I used up to today.

Thanks again Zx!
JAcob on Feb 14 2008, 03:53

Good to see you find it helpful

Zx
zx-81 on Feb 14 2008, 08:40

I can't put something in the "shared" folder because its read only please help
yo on Feb 24 2008, 16:44

ummm I had some problems so could someone send me or upload the untouched dev folder with everything in it please.
Tom on Feb 25 2008, 06:18

um is there a proper tutorial to this. like how to share the folders and how to get them to open in the virtualbox. help would be appreciated. idk its just confusing for me cuz im new at this.
blad on Mar 5 2008, 20:21

idk what happen to that post. k im new to this and im just confused how to use this. is there a full tutorial to this like how to share and open folders in virtualbox. sry im new to this.
blad on Mar 5 2008, 20:23

Snapshots on this post, and virtualbox forums should be helpful.

I don't know if there are any tutorials for this ...

Zx
zx-81 on Mar 5 2008, 23:47

k um i setted up exactly like showed above and also made the shared folder but how do u get the shared folder to appear on xubuntu so i can actualy share the file. the folder just doesnt show up. or do i access it thru the terminal? if so how?
mr. hmm on Mar 8 2008, 22:02

In /media/shared, or using the shared shortcut on the desktop.

Zx
zx-81 on Mar 8 2008, 22:38

um theres no media folder until i attach a disk. idk y thats happening. and still in the media folder there is no shared folder.
mr. hmm on Mar 8 2008, 23:12

could you please please upload to rapidshare.com? or at least the version without xubuntu.. ty
pkallah on Mar 30 2008, 23:25

You can find it here:

<http://dl.free.fr/j0zKyKD8z/pspdev-gcc410.tar.bz2>

Zx

Blog Export: ZX-81's web site, <http://zx81.zx81.free.fr/serendipity/>

zx-81 on Mar 30 2008, 23:45

Hello.

Let me start off by saying thank you for this easy to use PSPDevKit, and guide that goes along with it.

I decided to do a manual install of xubuntu and then the PspDev files.

Advice I can offer is to read this thread on editing the bash.bashrc file:

<http://www.psp-programming.com/forums/index.php?topic=2683.0>

Anyway. How exactly does the shared folder work? I set one up with VirtualBox but I'm not sure how to access it while using xubuntu.

Thanks a lot.

Andru on Apr 4 2008, 23:31

Hi,

The shared folder works as follows :

You create a shared folder as explained on this post, and then you have to modify /etc/fstab to mount the shared folder under ubuntu, for example :

```
virtualbox /media/shared vboxsf rw,gid=1000,uid=1000,auto 0
```

Zx

zx-81 on Apr 5 2008, 00:23

hmm where can i find a noob tutorial for kdev? ive made my first C source (hello world) but dont know how to make it an eboot
Bluwetball on Apr 29 2008, 10:26

I've tried doing this for the last 4 hours and still no closer to establishing a simple shared folder between my xp host and ubuntu client. I get the impression that the ubuntu/xfce is pretty cut down and not designed to be altered much.

I've used sudo nano /etc/fstab to alter fstab to include virtualbox /media/shared vboxsf rw,gid=1000,uid=1000,auto 0 but with no success.

Is there any step by step process for setting up a shared folder ?

I can mount the psp as a floppy drive aswell and copy files from it but can't copy them back.

Also it seems a bit backward that you have to use the sudo command because the os doesn't allow you to login as root.

Thanks in advance

Anonymous on May 24 2008, 23:51

Hi,

There are many answers here : <http://forums.virtualbox.org>

For your particular issue, you have first to check if you can mount your shared folder manually

(i mean using the mount command :

```
sudo mount -t vboxsf mysharedfolder /mnt/mysharedfolder)
```

Then you can modify your /etc/fstab, but it won't mount the shared folder on startup. I've added a command in /etc/rc.local to force the mount of the shared folder.

Here they try another solution :

<http://virtualdebian.blogspot.com/2007/12/sharing-folders-with-virtualbox.html>

With ubuntu there is no root account you can log in, you have then to use the sudo command instead.

Zx

zx-81 on May 25 2008, 00:29

Figured it out.

Open terminal

```
cd /
```

```
cd etc
```

```
sudo nano fstab
```

In fstab go to the bottom line and enter

```
shared /home/psp/shared vboxsf rw,uid=1000,gid=1000,auto 0 0
```

Exit and save.

Blog Export: ZX-81's web site, <http://zx81.zx81.free.fr/serendipity/>

You just need to make the directory /home/psp/shared and it should work.

I think the problem was that the virtualbox should of been shared (The name it was given in VirtualBox\Device\Share folders) and the last 0 (pass) was missing causing the command to be ignored. Hope this helps.

Anonymous on May 25 2008, 12:58

Whenever you boot this up, theres a whole load of updates waiting to be dlled and installed. I dont know if its a good idea but I installed them all and it made it slow down well bad. So now im starting again... Will try this shared folders, I couldnt get it to work eartlier but ill rig something up. I also had a bit of trouble with the usb support or the audio support but that was after the updates.

Anyway, definately the best PSP SDK, thanks Zx-81

Anonymous on Jul 4 2008, 11:00

I know this sounds really obvious, but can't you just go applications - system - Shared Folders. and install the windows folder support?

Anonymous on Jul 4 2008, 11:34

install the guest addition for the shared folder to work.

see vbox help file.

Anonymous on Aug 24 2008, 07:09

Some good psp coding sites are <http://psp-coding.com/>

<http://ps2dev.org/psp/Tools/Toolchain>

http://www.hackingpsp.com/Homebrew_Central_Developers.aspx

<http://www.psp-programming.com/tutorials/>

<http://www.psp-vault.com/module-pnForum-viewtopic-topic-9427.psp>

inferno on Oct 19 2008, 03:06

Uhh, I am having problems renaming the eboot. Even after I change the title, it doesn't change it when I build it. Any ideas?

ryugen on Dec 27 2008, 02:49

I am having problems renaming the eboot, even after changing it in the makefile and main.c . Any ideas? it keeps the same name as you originally had it, mynameisfw3x.

ryugen on Dec 27 2008, 02:51

You have to do a "make -f Makefile-3x clean" to clean everything and rebuild the eboot from zero after modifying both makefile and main.c file,

Zx

zx-81 on Dec 27 2008, 11:31

Some of links are dead =[

Coobracool on Jan 6 2010, 19:46

You can still install ubuntu using virtual box and then use the PSP SDK gcc-4.3.1 available on this blog,

Zx

zx-81 on Jan 6 2010, 22:39

Hiiii

Pleas ReUpload Links From Link 6 to link 17 are dead

Pleasssssssss

Ashkan on Feb 14 2010, 20:39

Links are broken please send me links to laura08980@gmail.com

thx!

good job!

Anonymous on Apr 21 2010, 02:13

Hi,

I can upload it again, if you know a good hosting web site ?

Zx

Blog Export: ZX-81's web site, <http://zx81.zx81.free.fr/serendipity/>

zx-81 on Apr 21 2010, 14:09

I've uploaded the rar files on free.fr,

Cheers,

Zx
zx-81 on Apr 21 2010, 23:34

This is a godsend. I've been trying to set up a development enviroment in Cygwin to compile PSP write with a modified version of the piKey library I made that fixes some driver problems with the Belkin F8U1500-E IR keyboard, which I compiled using a windows enviroment. I could send you the fixed version of piKey, if you like. It only fixes that keyboard.

Maloo on Apr 23 2010, 17:25

I can't get more than 6 KB/s out of dl.free.fr, which essentially makes it impossible to download these files. :/

Maloo on Apr 23 2010, 18:41

Scratch that. I used a webproxy to spoof myself as a location in france. They're applying MASSIVE throttling to anyone not in the country. Ah well, this works.

Maloo on Apr 23 2010, 18:48

Hi,

I've uploaded a new xubuntu 8.4 version + eclipse IDE; working with latest VirtualBox version on easy share it should download faster,

Zx
zx-81 on Apr 24 2010, 01:35

This is great - I would love one for dingux development witha a simple app ready to compile for reference. Anybody know of one?

Paul on Apr 28 2010, 15:08

Hi Paul,

Unfortunately the dingux SDK i have, doesn't work on ubuntu 8.04. I will may be do it when ubuntu 10.4 will be out, in a few days

Take care,
Zx
zx-81 on Apr 28 2010, 21:47

hi.i installes xubuntu 10.10 by my own and download gcc 431 from <http://www.easy-share.com/1910013010/pspdev-gcc431.tar.bz2>
how i can install gcc 431 in xubuntu
please help me

tinkerbelle on Mar 9 2011, 09:41

this tarball contains everything you need to compile homebrew. I'm using also ubuntu 10.10 and it works just fine,

Cheers,
Zx
zx-81 on Mar 9 2011, 16:20