

How have been made these harbour debs ?

I build 64 bits version under Ubuntu 12.04 amd64

I build 32 bits version under Ubuntu 12.04 i386 (in a Virtualbox image)

What where the used prerequisites ?

To build a maximum of components and contribs, I use the script preharbour available on :
<http://jujuland.pagesperso-orange.fr/> Section Ubuntu

```
#!/bin/bash

# Shell installing Harbour prerequisites
# Version 0.30 Copyleft Juju 2016

# For Harbour contribs and components
sudo apt-get install libncurses-dev
sudo apt-get install libslang2-dev
sudo apt-get install libx11-dev
sudo apt-get install libgpm-dev
sudo apt-get install libgpmg1-dev
sudo apt-get install liballegro4.2-dev
sudo apt-get install libcairo2-dev
sudo apt-get install libcups2-dev
sudo apt-get install libcurl4-openssl-dev
sudo apt-get install firebird2.1-dev
sudo apt-get install libfreeimage-dev
sudo apt-get install libgd2-xpm-dev
sudo apt-get install libgs-dev
sudo apt-get install libmagic-dev
sudo apt-get install libmysqlclient15-dev
sudo apt-get install unixodbc-dev
sudo apt-get install libpq-dev
sudo apt-get install libqt5-dev
sudo apt-get install libbz2-dev
sudo apt-get install zlib1g-dev
sudo apt-get install libpcre3-dev
sudo apt-get install libsqlite3-dev
sudo apt-get install libexpat1-dev
sudo apt-get install subversion git git-svn
# For qtqc
sudo apt-get install qt4-dev-tools
# For sddoci
wget https://github.com/vrogier/ocilib/releases/download/v4.2.0/ocilib-4.2.0-gnu.tar.gz
# For rddads
wget http://devzone.advantagedatabase.com/dz/download.aspx?Key=2MsSNvTkIpD3PLQwY5LH0xD46iD0rq2h -O aceapi-10.10.0.49.tar.gz
# For Hwgui and FiveLinux
sudo apt-get install build-essential
sudo apt-get install libgtk2.0-dev
echo " "
echo "Warning: prerequisites for sddoci and rddads have bin downloaded,"
```

```
echo "but must be installed previously to be available for harbour."  
echo " "  
echo "Press any key to continue ..."  
read  
echo " "  
xdg-open ocilib-4.2.0-gnu.tar.gz  
xdg-open aceapi-10.10.0.49.tar.gz
```

What are the embedded components and the missing one ?

Embedded:

```
! Component: 'zlib' found (local)  
! Component: 'pcre' found (local)  
! Component: 'gpm' found in /usr/include  
! Component: 'slang' found in /usr/include  
! Component: 'curses' found in /usr/include  
! Component: 'x11' found in /usr/include
```

Missing:

Obvious:

```
! 'hbdossr1' library skipped (platform or compiler not supported)  
! 'gtdos' library skipped (platform not supported)  
! 'gtgui' library skipped (platform not supported)  
! 'gtos2' library skipped (platform not supported)  
! 'gtwin' library skipped (platform not supported)  
! 'gtwvt' library skipped (platform not supported)
```

Suprising:

For these components, I don't know the reason

! 'tiff' library skipped (unused)

Here are the installed paquets:

<code>ii</code>	<code>libtiff4</code>	<code>3.9.5-2ubuntu1.8</code>	<code>Tag Image File Format (TIFF) library</code>
<code>ii</code>	<code>libtiff4:i386</code>	<code>3.9.5-2ubuntu1.8</code>	<code>Tag Image File Format (TIFF) library</code>
<code>ii</code>	<code>libtiff4-dev</code>	<code>3.9.5-2ubuntu1.8</code>	<code>Tag Image File Format library (TIFF), development files</code>
<code>ii</code>	<code>libtiffxx0c2</code>	<code>3.9.5-2ubuntu1.8</code>	<code>Tag Image File Format (TIFF) library -- C++ interface</code>

and Harbour doesn't found it ???

! 'png' library skipped (unused)

Here are the installed paquets:

```
ii libpng12-0          1.2.46-3ubuntu4.2  PNG library - runtime
ii libpng12-0:i386    1.2.46-3ubuntu4.2  PNG library - runtime
ii libpng12-dev       1.2.46-3ubuntu4.2  PNG library - development
```

and Harbour doesn't found it ???

! 'jpeg' library skipped (unused)

```
ii libjpeg-dev        8c-2ubuntu7        Independent JPEG Group's JPEG runtime library
(dependency package)
ii libjpeg-progs      8c-2ubuntu7        Programs for manipulating JPEG files (dependency
package)
ii libjpeg-turbo-progs 1.1.90+svn733-0ubuntu4.4 Programs for manipulating JPEG files
ii libjpeg-turbo8      1.1.90+svn733-0ubuntu4.4 IJG JPEG compliant runtime library.
ii libjpeg-turbo8:i386 1.1.90+svn733-0ubuntu4.4 IJG JPEG compliant runtime library.
ii libjpeg-turbo8-dev 1.1.90+svn733-0ubuntu4.4 Development files for the IJG JPEG library
ii libjpeg62          6b1-2ubuntu1.1     Independent JPEG Group's JPEG runtime library (version
6.2)
ii libjpeg8           8c-2ubuntu7        Independent JPEG Group's JPEG runtime library
(dependency package)
ii libjpeg8:i386      8c-2ubuntu7        Independent JPEG Group's JPEG runtime library
(dependency package)
ii libjpeg8-dev       8c-2ubuntu7        Independent JPEG Group's JPEG runtime library
(dependency package)
ii libmjpegtools-1.9  1:1.9.0-0.5ubuntu7 MJPEG video capture/editting/playback MPEG encoding
ii mjpegtools         1:1.9.0-0.5ubuntu7 MJPEG video capture/editting/playback MPEG encoding
```

and Harbour doesn't found it ???

If I try to install libjpeg62-dev, the system wants to remove theses packets:

Les paquets suivants seront ENLEVÉS :

*libcupsimage2-dev libgd2-xpm-dev libgs-dev libjpeg-dev libjpeg-turbo8-dev
libjpeg8-dev libtiff4-dev*

Les NOUVEAUX paquets suivants seront installés :

libjpeg62-dev

So, I don't install it ...

What are the embedded contribs and the missing one ?

Embedded:

hbm2: Destination mise à jour: ../lib/linux/gcc/libminizip.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libexpat.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libbz2.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbxpp.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbfship.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbtip.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbct.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libsqlite3.a
hbm2: Destination mise à jour: ../lib/linux/gcc/librddsqli.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbmzip.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libxdiff.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libtinymt.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbssl.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbunix.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbnetio.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbmemio.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbexpat.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libminizip.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libxml.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libminilzo.a
hbm2: Destination mise à jour: ../lib/linux/gcc/liblzf.a
hbm2: Destination mise à jour: ../lib/linux/gcc/liblibpdf.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbformat.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libbz2.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbz2.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libxhb.a
hbm2: Destination mise à jour: ../lib/linux/gcc/librddsqli3.a
hbm2: Destination mise à jour: ../lib/linux/gcc/librddpg.a
hbm2: Destination mise à jour: ../lib/linux/gcc/librddodbc.a
hbm2: Destination mise à jour: ../lib/linux/gcc/librddmy.a
hbm2: Destination mise à jour: ../lib/linux/gcc/librddfb.a
hbm2: Destination mise à jour: ../lib/linux/gcc/librddsqli.a
hbm2: Destination mise à jour: ../lib/linux/gcc/librddbmi.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbziparc.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbzebra.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbxpp.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbxdiff.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbunix.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbtest.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbtpathy.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbtinymt.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbtip.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbtcpio.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbssl.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbsqlit3.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbsms.a
hbm2: Destination mise à jour: ../bin/linux/gcc/hbrun

! Warning: Component (hbrun/) has no language subdirs

hbm2: Destination mise à jour: ../lib/linux/gcc/libhpipeio.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbpgsql.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhboslib.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbodbc.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbnf.a
hbm2: Destination mise à jour: ../bin/linux/gcc/hbnetio
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbnetio.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbmzip.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbmmysql.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbmxml.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbmlzo.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbmisc.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbmemio.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbmagic.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhblzf.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbhttpd.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbhpdf.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbgzio.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbgta.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbgs.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbgd.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbfship.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbfoxpro.a
hbm2: Destination mise à jour: ../bin/linux/gcc/hbformat
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbformat.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbffimage.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbfbird.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbexpat.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbcurl.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbcups.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbct.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbcomm.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbcomio.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbcairo.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbzb2io.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbzb2.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbblink.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libhbamf.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libgtqtca.a
hbm2: Destination mise à jour: ../lib/linux/gcc/libgtallega.a

Missing:

Obvious:

hbm2[hbb1at]: Code de retour: 50: arrêt requis
hbm2[hbwin]: Code de retour: 50: arrêt requis
hbm2[gtwvg]: Code de retour: 50: arrêt requis

Possible but not include :

hbm2[sddoci]: Erreur: Dépendance manquante: ocilib
hbm2[sddoci]: Code de retour: 10: dépendance manquante ou désactivée

When building, ocilib needs to have something installed (oracle ?), what I not have.
So, if you need it, you will have to build harbour. Sorry ...

hbm2[rddads]: Erreur: Dépendance manquante: ads
hbm2[rddads]: Code de retour: 10: dépendance manquante ou désactivée

I have build and install, but harbour doesn't seem to found it.
Perhaps the version (in Readme.md, the version is older) ?

Deb updates

I don't plane, as I do it manually, to update it each time a revision is made. I will do it probably each week, or two weeks if there are modifications concernind Linux.

Important:

Don't forget that these libraries are just wrappers to the real used functions, and if theses wrappers are included in that harbour deb packet, you need to install the needed prerequisites paquets to be able to use it.

Et ... Vive Harbour !!!