

**NAME**

Documentation for pb configuration files

**DESCRIPTION**

pb helps you build various packages directly from your project sources. In order to work correctly, it relies on a certain number of configuration files. Most of these configuration parameters can be setup in all the configuration files, however, they generally make more sense in a specific one, which is indicated. There are mainly 4 configuration files, the one in the home directory of the user (used first), the one from the project (use in second), the one in the VM/VE hosting directory, and the one provided by the tool in /etc/pb or /usr/local/etc/pb (lastly).

**SYNOPSIS**

Those files have the same format, which is YAML starting after v0.14 of pb.

keyword:

key: value1[,value2,...]

(Before it was using: keyword key = value1[,value2,...])

The key could be also default, in which case it will be used as a default value if no more precise content is given for the key.

Each value is detailed below giving the nature of its use (Mandatory or Optional – only used for certain feature), the value of the key (could be the project, an OS name, default, ...), the value of the parameter field and its format, the default configuration file in which it should be defined (home \$HOME/.pbrc.yml, conf /etc/pb/pb.yml or /usr/local/etc/pb/pb.yml, VE vepath/.pbrc.yml, VM vmpath/.pbrc.yml, or project project.yml) and an example of use.

**OPTIONS****addbuildrepo**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf)

Value: comma separated list of URLs that point to repository files, or packages

Conffile: project

Example: addbuildrepo:

centos-5-x86\_64: file:///prj/extras.repo,http://mirror.centos.org/centos

**addinstallrepo**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf)

Value: comma separated list of URLs that point to repository files, or packages

Conffile: project

Example: addinstallrepo:

centos-7-x86\_64: ftp://ftp.project-builder.org/centos/7/x86\_64/pb.repo

**addtestrepo**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf)

Value: comma separated list of URLs that point to repository files, or packages

Conffile: project

Example: addtestrepo:

centos-7-x86\_64: ftp://ftp.project-builder.org/centos/7/x86\_64/pb.repo

**cachedir**

Nature: Optional

Key: pb project: rpmbotstrap|pbmkbm|pb

Value: Directory to cache temporary content for the relevant pb project.

Conffile: pb

Example: cachedir:

rpmbotstrap: /var/cache/rpmbotstrap

**checkexclude**

Nature: Optional

Key: package (as provided in defpkgdir or extpkgdir)

Value: comma separated list of OS (could be from the most generic up to the most specific)

Conffile: project

Example: checkexclude:

pkg1: centos,lsb,solaris

**cpandir**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: CPAN Pause directory to upload new modules

Conffile: pb

Example: cpandir:

default: incoming

**cpanpasswd**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: CPAN Pause user's password

Conffile: home

Example: cpanpasswd:

default: mycomplicatedpwd

**cpanpause**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: CPAN Pause site to upload new modules

Conffile: pb

Example: cpanpause:

default: pause.perl.org

**cpansubdir**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: CPAN Pause subdirectory in the user's area to upload into

Conffile: pb

Example: cpansubdir:

default: mydir

**cpanurl**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: CPAN Pause URL to activate the upload mechanism

Conffile: pb

Example: cpanurl:

default: http://pause.perl.org/pause/authenquery

**cpanuser**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: CPAN Pause user

Conffile: home

Example: cpanuser:

default: XXX

**defpkgdir**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: comma separated list of packages built by default in this project. When n

Conffile: project

Example: defpkgdir:

mondorescue: mondo,mindi NB: a default value is not really meaningful

### **delivery**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: directory where to deliver packages once built for ftp/web access.

Conffile: project

Example: delivery:

mondorescue: prod

### **dockeropt**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: List of the options to call docker with

Conffile: project

Example: dockeropt:

default: --bip=172.16.42.1/16

### **dockerregistry**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: name of the docker registry to interact with if any

Conffile: project

Example: dockerregistry:

mondorescue: localhost:5900/mondorescue

### **dockerrepository**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: name of the docker repository to interact with if any. It is mandatory if

Conffile: project

Example: dockerrepository:

mondorescue: localhost:5000/mondorescue

### **extpkgdir**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: comma separated list of packages built in addition in this project. When

Conffile: project

Example: extpkgdir:

mondorescue: mondo-doc,mindi-mindibusybox

### **filteredfiles**

Nature: Optional

Key: package (as provided in defpkgdir or extpkgdir)

Value: comma separated list of files that will be filtered using the macro syste

Conffile: project

Example: filteredfiles:

mindi: rootfs/sbin/init,mindi,install.sh,doc/mindi.8

### **ftp\_proxy**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: string indicating the proxy to use

Conffile: pb

Example: ftp\_proxy:

default: http://example.com:3128/

### **http\_proxy**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: string indicating the proxy to use

Conffile: pb

Example: http\_proxy:

default: http://example.com:3128/

### **https\_proxy**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: string indicating the proxy to use

Conffile: pb

Example: https\_proxy:

default: http://example.com:3128/

### **logcmd**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: internal (the application then handles the logging of what it finds usefu

Conffile: pb

Example: logcmd:

mageia: sos

### **logcmds**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: In case the B<logcmd> command is internal, a comma separated list of the

Conffile: pb

Example: logcmds:

mageia: mount,lsmod,esxcfg-module -l,df -T

### **logfiles**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: In case the B<logcmd> command is internal, a comma separated list of the

Conffile: pb

Example: logfiles:

mageia: /etc/raidtab,/proc/cmdline,/proc/swaps

### **logopt**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: In case the B<logcmd> command is not internal, the options of the B<logcm

Conffile: pb

Example: logopt:

mageia: --all

### **mkbmbbootcmds**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: comma separated list of commands to be copied from the original OS to the

Conffile: pb

Example: mkbmbootcmds:

linux: perl,awk,gawk,dd,grep,uname

#### **mkbmbootdirs**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: comma separated list of directories to be copied from the original OS to

Conffile: pb

Example: mkbmbootdirs:

linux: /etc/ssh,/etc/udev,/etc/mdadm

#### **mkbmbootfiles**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: comma separated list of files to be copied from the original OS to the ta

Conffile: pb

Example: mkbmbootfiles:

linux: /etc/mdadm.conf,/etc/raidtab,/etc/modprobe.conf

#### **mkbmkerneldir**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: path of the directory containing your kernel.

Conffile: pb

Example: mkbmkerneldir:

linux: /boot

#### **mkbmkernelfile**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: full path of the your kernel.

Conffile: pb

Example: mkbmkernelfile:

linux: /boot/vmlinuz-specific

#### **mkbmkernelnamere**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: Perl Regular Expression allowing to find OS kernel names in the B<kernelc

Conffile: pb

Example: mkbmkerneldir:

linux: ^linu|^vmlinu|^xen

#### **mkbmtargetdirs**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: comma separated list of empty directory paths to be created on the target

Conffile: pb

Example: mkbmtargetdirs:

linux: /tmp,/dev

#### **namingtype**

Nature: Optional  
Key: package (as provided in defpkgdir or extpkgdir)  
Value: perl, if packages are CPAN perl modules that need to be named respecting  
Conffile: project  
Example: namingtype:  
    ProjectBuilder: perl

**osambiguous**

Nature: Optional  
Key: OS (could be from the most generic up to the most specific from ostype, osf  
Value: comma separated list of distributions which use the same file name in /et  
Conffile: pb  
Example: osambiguous:  
    debian: debian,ubuntu

**oschkcmd**

Nature: Optional  
Key: OS (could be from the most generic up to the most specific from ostype, osf  
Value: package checker tool.  
Conffile: pb  
Example: oschkcmd:  
    deb: /usr/bin/lintian

**oschkopt**

Nature: Optional  
Key: OS (could be from the most generic up to the most specific from ostype, osf  
Value: package checker tool options.  
Conffile: pb  
Example: oschkcmd:  
    rpm: -i

**oscmd**

Nature: Mandatory  
Key: tool (pb or rpmbootstrap)  
Value: coma separated list of commands that are mandatory on the underlying syste  
Conffile: pb  
Example: oscmd:  
    pb: tar,ls

**oscmdopt**

Nature: Mandatory  
Key: tool (pb or rpmbootstrap)  
Value: come separated list of commands that are optional on the underlying syste  
Conffile: pb  
Example: oscmd:  
    pb: svn2cl,svn,cvs

**oscodename**

Nature: Optional  
Key: OS (could be from the most generic up to the most specific from ostype, osf  
Value: code name. Mostly useful for debian and ubuntu, due to debootstrap.  
Conffile: pb  
Example: oscodename debian-5.0 = lenny

**osfamily**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: OS family name (used to group similar distribution for handling)

Conffile: pb

Example: osfamily:  
          debian: du

#### **osins**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: OS command to launch in order to automatically install packages on it.

Conffile: pb

Example: osins:  
          fedora: sudo yum -y install

#### **oslocalins**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: OS command to launch in order to automatically install local packages on i

Conffile: pb

Example: oslocalins:  
          debian: sudo dpkg -i

#### **osmindep**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: comma separated list of packages needed before setupvm|ve can be run. Ins

Conffile: pb

Example: osmindep:  
          default: perl,sudo,wget,tar,make,gzip

#### **osnover**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: true|false. True means that this OS has no need to keep the version

Conffile: pb

Example: osnover:  
          gentoo: true

#### **ospatchcmd**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: package patch command. For RPM is implicit.

Conffile: pb

Example: ospatchcmd:  
          deb: /usr/bin/patch

#### **ospatchopt**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: package patch options.

Conffile: pb

Example: ospatchcmd:  
          deb: -s -p1

#### **ospatchcmd-\***

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: Full path name of the command mentioned after the '-' for the relative OS

Conffile: pb

Example: ospathcmd-halt:

solaris: /usr/sbin/halt, ospathcmd-halt default = /sbin/halt

### **osperldep**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: comma separated list of perl modules needed by pb and not provided in a p

Conffile: pb

Example: osperldep:

rhel-5: Module-Build,File-MimeInfo,File-BaseDir,Mail-Sendmail

### **osperlver**

Nature: Mandatory (for each module mentioned in B<osperldep>)

Key: Perl Module (as defined in B<osperldep>)

Value: Version of the perl module that needs to be found on CPAN.

Conffile: pb

Example: osperlver:

Date-Manip: 5.54

### **ospkg**

Nature: Optional (Mandatory if pbinstalltype is pkg)

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: comma separated list of packages that have to be installed in order for p

Conffile: pb

Example: ospkg:

rhel-5: project-builder

### **ospkgdep**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: comma separated list of packages that are needed by pb and should be inst

Conffile: pb

Example: ospkgdep:

rhel-5: wget,make,ntp,patch,perl-DateManip

### **osrelambfile**

Nature: Mandatory (per OS mentioned in B<osambiguous>)

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: full path name of the ambiguous file describing that distribution, as wel

Conffile: pb

Example: osrelambfile:

debian: /etc/debian\_version

### **osrelexpr**

Nature: Mandatory (per OS mentioned in B<osrelambfile> and B<osrelfile>)

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: the perl regular expression used to parse the B<osrelambfile> in order to

Conffile: pb

Example: osrelexpr:

rhel: Red Hat (? :Enterprise Linux|Linux Advanced Server) .\*release ([

### **osrelfile**



Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: full path name of the file describing non-ambiguously that distribution.

Conffile: pb

Example: osrelfile:

    fedora: /etc/fedora-release

#### **osremovedotinver**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: true|false. If true, then no '.' (dot) character is kept in the version n

Conffile: pb

Example: osremovedotinver:

    redhat: true

#### **osrepo**

Nature: Optional (Mandatory if pbinstalltype is pkg)

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: comma separated list of packages, yum repo or apt sources.list files to b

Conffile: pb

Example: osrepo:

    rpm: ftp://ftp.project-builder.org/\$ddir/\$dver/pb.repo

#### **ossha**

Nature: Optional (Mandatory if rpm type of package)

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: sha algorithm used br createrepo

Conffile: pb

Example: ossha:

    fedora-10: sha1

#### **ossudoersmode**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: suffix that will be used in the name of the packages created. By default,

Conffile: pb

Example: ossudoersmode:

    novell: 640

#### **ossuffix**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: suffix that will be used in the name of the packages created. By default,

Conffile: pb

Example: ossuffix:

    mandriva: mdv

#### **ostype**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: build type grouping packages family. This is used internally by pb to make

Conffile: pb

Example: ostype:

    rh: rpm, ostype md = rpm, ostype novell = rpm

#### **osupd**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: OS command to launch in order to automatically update the VM|VE

Conffile: pb

Example: osupd:

    fedora: sudo yum -y update

#### **ossueminorrel**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: Should that OS distinguish between its minor version, considering them as

Conffile: pb

Example: ossueminorrel:

    centos: true

#### **pbadditionalgpg**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: GPG Key (hexadecimal) list of values separated by ',' that needs to be ex

Conffile: project

Example: pbadditionalgpg:

    pb: 0x141B9FF237DB9883

#### **pbconfurl**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: B<pb URL> giving access to where the pb configuration dir is stored. Unde

Conffile: home|project

Example: pbconfurl:

    fossology: svn+ssh://user@svn.project-builder.org/mondo/svn/pb/project

#### **pbdefdir**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: local directory under which every pb related operation will take place. i

Conffile: home

Example: pbdefdir:

    default: \$ENV{'HOME'}/local/pb/projects

#### **pbgitremote**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: Remote name of the git repository used. The default is origin

Conffile: home

Example: pbgitremote:

    python-redfish: upstream

#### **pbpggcheck**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: Whether the repository file should be generated specifying that gpg check

Conffile: project

Example: pbpggcheck:

    Lintel: 0

#### **pbpggserver**

Nature: Mandatory  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: The GPG server to use when looking for GPG keys.  
 Conffile: pb  
 Example: pbgpgserver:  
           default: ipv4.pool.sks-keyservers.net

**pbinstalltype**

Nature: Mandatory  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: file or pkg. Indicates how pb will be installed during the setupve|vm pha  
 Conffile: pb  
 Example: pbinstalltype:  
           default: pkg

**pbml**

Nature: Optional (Mandatory if using announce command)  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: white space separated list of e-mail addresses used to send announces with  
 Conffile: project  
 Example: pbml:  
           pb: pb-announce@project-builder.org pb-devel@project-builder.org

**pbpackager**

Nature: Mandatory  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: Firstname Name and e-mail address of the person packaging the software.  
 Conffile: project  
 Example: pbpackager:  
           pb: Bruno Cornec <bruno@project-builder.org>

**pbparallel**

Nature: Optional  
 Key: tool (pb or rpmbootstrap)  
 Value: number of processes to execute in parallel. By default use the number of  
 Conffile: pb  
 Example: pbparallel:  
           pb: 12

**pbpassfile**

Nature: Optional  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: File containing the GPG passphrase that is used to sign packages  
 Conffile: home  
 Example: pbpassfile:  
           pb: /users/me/secret/passfile

**pbpasspath**

Nature: Optional  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: The directory under which will be found your secret GPG key file.  
 Conffile: home  
 Example: pbpasspath:  
           pb: /home/me/.gnupg

**pbpassphrase**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: The GPG passphrase that is used to sign packages. Putting it in your conf

Conffile: home

Example: pbpassphrase:

pb: TheSecretPassPhrase

### **pbpbr**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: whatever. As soon as this is defined, then that project is known as using

Conffile: project

Example: pbpbr:

python-redfish: 1

### **pbprojdir**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: local directory under which the project is locally exported. NB: a default

Conffile: home

Example: pbprojdir:

mondorescue: \$ENV{'HOME'}/local/mondorescue

### **pbrepo**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: URL of the server hosting the upstream tar file.

Conffile: project

Example: pbrepo:

mondorescue: ftp://ftp.mondorescue.org

### **pbshowsudo**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: false (by default), meaning that sudo commands executed with pb\_system wo

Conffile: home

Example: pbshowsudo:

mondorescue: true

### **pbsmtp**

Nature: Optional (Mandatory if using the announce command)

Key: project (as defined in the -p option or pb environment variable)

Value: FQDN of the mail server to use to send announces. NB: a default value is

Conffile: home

Example: pbsmtp:

mondorescue: localhost

### **pbsockscmd**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: name of the command to use to socksify network calls. NB: a default value

Conffile: home

Example: pbsockscmd:

default: tsocks

### **pbstoponerr**

Nature: Optional  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: false (by default), meaning that commands giving errors will not stop execution  
 Conffile: home  
 Example: pbstoponerr:  
           mondorescue: true

**pbprojurl**

Nature: Optional  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: B<pbprojurl> giving access to where the project is stored. Normally provided by the project  
 Conffile: home|project  
 Example: pbprojurl:  
           linuxcoe: cvs+ssh://:ext:user@linuxcoe.cvs.sourceforge.net:/cvsroot/linuxcoe

**pbusesshagent**

Nature: Mandatory  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: false means that you want pb to create a dedicated SSH key pair to dialog with the project  
 Conffile: pb  
 Example: pbusesshagent:  
           default: false

**pbwf**

Nature: Optional  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: whatever. As soon as this is defined, then that project is known as not working  
 Conffile: project  
 Example: pbwf:  
           afio: 1

**pkgtag**

Nature: Optional  
 Key: package (as provided in defpkgdir or extpkgdir)  
 Value: Tag that needs to be used in package name (on rpm: name-ver-tag.arch.rpm)  
 Conffile: project  
 Example: pkgtag:  
           mindy-busybox: 2

**pkgver**

Nature: Optional  
 Key: package (as provided in defpkgdir or extpkgdir)  
 Value: Version that needs to be used in package name (on rpm: name-ver-tag.arch.rpm)  
 Conffile: project  
 Example: pkgver:  
           mindy-busybox: 1.7.3

**projcomponent**

Nature: Optional  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: The component in the distribution repository, e.g. main for debian/ubuntu  
 Conffile: project  
 Example: projcomponent:  
           Lintel: main

**projtag**

Nature: Mandatory  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: tag that will be used for all packages names (on rpm: name-ver-tag.arch.n  
 Conffile: project  
 Example: projtag:  
           mondorescue: 1

**projver**

Nature: Mandatory  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: version that will be used for all packages names (on rpm: name-ver-tag.ar  
 Conffile: project  
 Example: projver:  
           mondorescue: 2.2.9

**rbsconf**

Nature: Optional  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: for mock it's the configuration directory. For rinse it's its configurati  
 Conffile: ve  
 Example: rbsconf:  
           default: /etc/mock, rbsconf default = /etc/pb/pb-rinse.conf

**rbsb4pi**

Nature: Optional  
 Key: OS (could be from the most generic up to the most specific from ostype, osf  
 Value: for mock it's not used. For rinse it's the script to call before doing in  
 Conffile: ve  
 Example: rbsb4pi:  
           centos: /home/rinse/bin/before-post-install.sh

**rbsmirrorsrv**

Nature: Optional  
 Key: OS (could be from the most generic up to the most specific from ostype, osf  
 Value: URL for the mirror server for setting up a virtual environment  
 Conffile: ve  
 Example: rbsmirrorsrv:  
           debian: http://mirrors1.kernel.org/

**rbsmirrorupd**

Nature: Optional  
 Key: OS (could be from the most generic up to the most specific from ostype, osf  
 Value: Relative path wrt B<rbsmirrorsrv> where updates are located  
 Conffile: ve  
 Example: rbsmirrorupd:  
           mageia: ../updates

**rbsopt**

Nature: Optional  
 Key: tool used for rpm based VE. Could be one of rpmbootstrap, rinse, mock, ...  
 Value: Additional option to pass to the command  
 Conffile: ve  
 Example: rbsopt:  
           rpmbootstrap: -k

**rbspi**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: for mock it's not used. For rinse it's the script to call after doing ins

Conffile: ve

Example: rbspi:

centos: /home/rinse/bin/post-install.sh

### **rmhost**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: IP address or name of the Remote Machine running the OS mentioned in the

Conffile: rm

Example: rmhost:

default: localhost - rmhost hpux-11.3-ia64 = 10.10.10.10 - rmhost man

### **rmlist**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: list of comma separated OS (under the form of os-ver-arch). The correspon

Conffile: rm

Example: rmlist:

default: mandriva-2010.2-i386,fedora-14-i386,rhel-6-i386,rhel-5-i386,

### **rmlogin**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: account name to use on the Remote Machine to build packages. Communicatio

Conffile: rm

Example: rmlogin:

default: pb

### **rmmonport**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: TCP port that is used to dialog with the monitor of the Remote Machine, t

Conffile: rm

Example: rmmonport:

default: 4444

### **rmntp**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: NTP server to contact for time accuracy with B<ospathcmd-ntpdate> before

Conffile: rm

Example: rmntp:

default: 1.pool.ntp.org

### **rmpath**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: path where to find configuration file for Remote Machines management.

Conffile: rm

Example: rmpath:

default: /home/remote

### **rmport**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: port number to use to communicate with the RM using the SSH protocol. Thi

Conffile: rm

Example: rmpport:

pb: 2222,rmpport mondorescue = 2223

### **rmtmout**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: Time in seconds to wait before interacting with the RM. This may correspo

Conffile: rm

Example: rmtmout:

default: 10

### **rmtype**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: ssh. For the moment, only ssh is supported as a communication means with

Conffile: rm

Example: rmrtype:

default: ssh

### **sshdir**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: dirname into which packages are uploaded on the B<sshhost> machine.

Conffile: project

Example: sshdir:

mondorescue: /pub/mondorescue

### **sshhost**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: hostname to connect to in order to deliver packages to the repository ser

Conffile: project

Example: sshhost:

mondorescue: ftp.mondorescue.org

### **sshlogin**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: login to use when connecting to the repository server B<sshhost> for pack

Conffile: project

Example: sshlogin:

mondorescue: mylogin

### **sshport**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: port to use when connecting to the repository server B<sshhost> for packa

Conffile: project

Example: sshport:

mondorescue: 22

### **supfiles**

Not used yet.



**testver**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: true (meaning this is a test version, whose tag will be generated automa

Conffile: project

Example: testver:

    mondorescue: true

**vedebtype**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: debootstrap (no other tool to create deb distro based chroot)

Conffile: ve

Example: vedebtype:

    default: debootstrap

**velist**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: list of comma separated OS (under the form of os-ver-arch).

Conffile: ve

Example: velist:

    default: centos-4-i386,centos-5-i386,centos-4-x86\_64,centos-5-x86\_64,

**velogin**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: account name to use in the VE to build packages.

Conffile: ve

Example: velogin:

    default: pb

**ventp**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: NTP server to contact for time accuracy with B<ospathcmd-ntpdate> before

Conffile: ve

Example: ventp:

    default: 1.pool.ntp.org

**vepath**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: path where to find VEs. Ve will be created and used under that path. For

Conffile: ve

Example: vepath:

    default: /home/rpmbootstrap

**verebuild**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: true|false. True means that the VE should be rebuild before usage.

Conffile: ve

Example: verebuild:

    default: true

**verpmttype**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: rpmbootstrap|rinse|mock (different tools to create a chroot environment for)

Conffile: ve

Example: verpmttype:  
          default: rpmbootstrap

#### **vesnap**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: true|false. True means that the snapshot of the VE should be used before

Conffile: ve

Example: vesnap:  
          default: true

#### **vetype**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: chroot|schroot|docker. There are two different ways of launching a Virtual

Conffile: ve

Example: vetype:  
          default: chroot

#### **vmbuildtm**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: Time in seconds to wait before killing the VM if SSH port already used. T

Conffile: project

Example: vmbuildtm:  
          default: 600,vmbuildtm mandriva-2009.0-x86\_64 = 1200

#### **vmcmd**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: Command to call to launch the VM emulator. It can contain some options.

Conffile: vm

Example: vmcmd:  
          default: /usr/bin/kvm

#### **vmhost**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: hostname to connect to in order to reach the VM through ssh. Generally re

Conffile: vm

Example: vmhost:  
          default: localhost

#### **vmlist**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: list of comma separated OS (under the form of os-ver-arch).

Conffile: vm

Example: vmlist:  
          default: asianux-2-i386,asianux-3-i386,mandrake-10.1-i386,mandrake-10

#### **vmlogin**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: account name to use in the VM to build packages. Communication is done with

Conffile: vm

Example: vmlogin:

default: pb

#### **vmmem**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: Memory size in MB to allocate to the VM.

Conffile: vm

Example: vmmem:

default: 512

#### **vmmmonport**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: TCP port that is used to dialog with the monitor of the VM, to pass order

Conffile: vm

Example: vmmmonport:

default: 4444

#### **vmntp**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: NTP server to contact for time accuracy with B<ospathcmd-ntpdate> before

Conffile: vm

Example: vmntp:

default: 1.pool.ntp.org

#### **vmopt**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: list of options to pass to the VM manager command launcher for that distr

Conffile: vm

Example: vmopt:

default: -m 384 -daemonize,vmopt mandriva-2009.0-i386 = -m 256 -daemon

#### **vmopath**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: path where to find VMs. They will be created and used under that path. Fo

Conffile: vm

Example: vmopath:

default: /home/qemu

#### **vmport**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: port number to use to communicate with the VM using the SSH protocol. Thi

Conffile: vm

Example: vmport:

pb: 2222,vmport mondorescue = 2223

#### **vmsize**

Nature: Mandatory

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: Size of the VM to create when using the newvm command of pb.

Conffile: vm

Example: vmsize:  
          default: 7G

#### **vmsnap**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: true|false. True means that the snapshot of the VM called pb should be us

Conffile: vm

Example: vmsnap:  
          default: true

#### **vmtmout**

Nature: Optional

Key: OS (could be from the most generic up to the most specific from ostype, osf

Value: Time in seconds to wait before interacting with the VM. This should corre

Conffile: vm

Example: vmtmout:  
          default: 180, vmtmout mandriva-2009.0-x86\_64 = 500

#### **vmtype**

Nature: Mandatory

Key: project (as defined in the -p option or pb environment variable)

Value: qemu|kvm. For the moment, only QEMU or KVM are supported as virtualization

Conffile: vm

Example: vmtype:  
          default: kvm

#### **webdir**

Nature: Optional

Key: project (as defined in the -p option or pb environment variable)

Value: Target directory containing the web content in the project that should be

Conffile: project

Example: webdir:  
          mondorescue: website

#### **websshdir**

Nature: Optional (when not using \*2webssh commands)

Key: project (as defined in the -p option or pb environment variable)

Value: dirname into which content is uploaded on the B<websshhost> machine.

Conffile: project

Example: websshdir:  
          mondorescue: /var/www/html

#### **websshhost**

Nature: Optional (when not using \*2webssh commands)

Key: project (as defined in the -p option or pb environment variable)

Value: hostname to connect to in order to deliver content to the Web server.

Conffile: project

Example: websshhost:  
          mondorescue: www.mondorescue.org

#### **websshlogin**

Nature: Optional (when not using \*2webssh commands)  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: login to use when connecting to the Web server B<websshhost> for content  
 Conffile: project  
 Example: websshlogin:  
           mondorescue: mylogin

### **websshport**

Nature: Optional (when not using \*2webssh commands)  
 Key: project (as defined in the -p option or pb environment variable)  
 Value: port to use when connecting to the Web server B<websshhost> for content  
 Conffile: project  
 Example: websshport:  
           mondorescue: 22

## **OTHER PARAMETERS**

### **pb URLs**

The pbprojurl and pbconfurl parameters support multiple schemas to point to the  
 They are parsed by project-builder.org to communicate with them.

The protocols can be git, git+svn, svn, cvs, hg.

If you have write access to the repository, you'll generally use an ssh access w

Examples:

pbprojurl:

```
fossology: git+https://github.com/fossology/fossology.git
linuxcoe: cvs+ssh://:ext:bcornec@linuxcoe.cvs.sourceforge.net:/cvsroot/linuxcoe
pb: svn+ssh://svn.mondorescue.org/prj/svn/pb
```

=> You access the upstream FOSSology project in read mode (by https) and the pro  
 => You access the upstream LinuxCOE project in write mode (by ssh) and the proje  
 => For Project-builder.org itself, you access the upstream LinuxCOE project in w  
 => You access the upstream project-builder.org project in write mode (by ssh) an

If you use instead:

```
pb: git+svn+ssh://svn.mondorescue.org/prj/svn/pb
```

=> You access the upstream project-builder.org project in write mode (by ssh) an

In some cases, there is no repository and the files are hosted remotely, in whic

Examples:

pbprojurl:

```
afio: ftp://localhost/src/afio-2.5.tar.gz
```

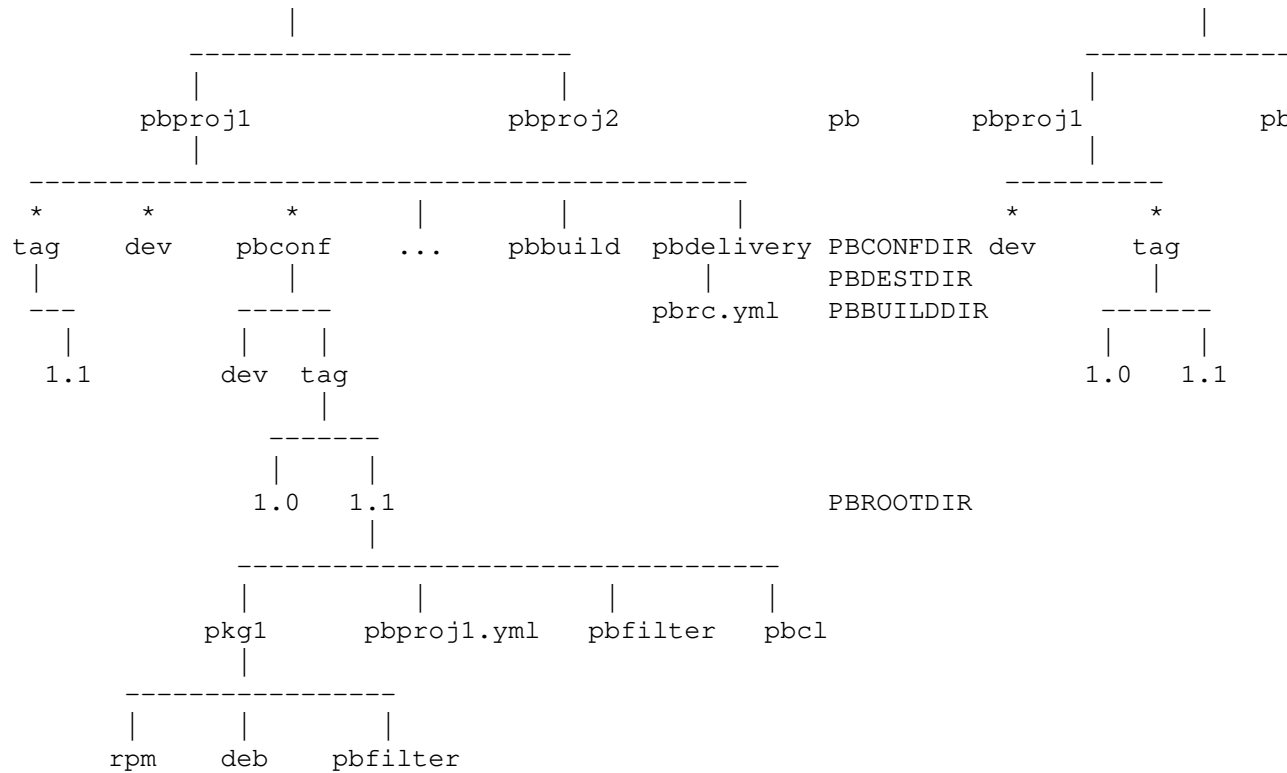
=> You access the project in read mode as a tar compressed file format using ftp

### **pb Directories**

In order to use project-builder.org to build packages for a project, you need to

Tree will look like this:

```
                                  maint pbdefdir                                  PBDEFDIR                                  dev dir (
```



(\*) By default, if no relocation in .pbrc.yml, dev dir is taken in the maint pbproj. Names under a pbproj and the corresponding pbconf should be similar

The first couple to declare is the pbconfurl and pbconfdir. They declare the location

Examples:

pbconfurl:

```
python-redfish: git+ssh://git@github.com:bcornec/python-redfish.git
fossology: git+https://github.com/fossology/fossology.git
uowl: git+svn+ssh://svn.mondorescue.org/prj/svn/pb/projects/uowl/pbconf
pb: git+svn+ssh://svn.mondorescue.org/prj/svn/pb/pbconf
afio: git+svn+ssh://svn.project-builder.org/prj/svn/pb/projects/afio/pbconf
linuxcoe: cvs+ssh://:ext:bcornec@linuxcoe.cvs.sourceforge.net:/cvsroot/linuxcoe
```

pbconfdir:

```
python-redfish: $ENV{'HOME'}/Work/bruno/prj/python-redfish/pbconf
fossology: $ENV{'HOME'}/Work/bruno/prj/fossology/git/pbconf
uowl: $ENV{'HOME'}/svn-git/pb/projects/uowl/pbconf
```

pbdefdir:

```
default: $ENV{'HOME'}/svn-git/pb/projects
python-redfish: $ENV{'HOME'}/Work/bruno/prj
fossology: $ENV{'HOME'}/Work/bruno/prj/fossology
uowl: $ENV{'HOME'}/svn-git
pb: $ENV{'HOME'}/svn-git
```

```
=> You access the project-builder.org configuration files for python-redfish in
=> You access the project-builder.org configuration files for FOSSology in read-
=> You access the project-builder.org configuration files for UUWL in write mode
=> You access the project-builder.org configuration files for project-builder.org
=> You access the project-builder.org configuration files for afio in write mode
=> You access the project-builder.org configuration files for LinuxCOE in write
```

Note that ultimately, if pbdefdir is not defined, project-builder.org will use /

The second couple to declare is the pbprojurl and pbprojdir. Similarly, they dec

Examples:

```
pbprojurl:
python-redfish: git+ssh://git@github.com:bcornec/python-redfish.git
fossology: git+ssh://git@github.com:fossology/fossology.git
uuwl: git+svn+ssh://svn.mondorescue.org/prj/svn/uuwl
pb: git+svn+ssh://svn.mondorescue.org/prj/svn/pb
afio: ftp://localhost/src/afio-2.5.tar.gz
linuxcoe: cvs+ssh://:ext:bcornec@linuxcoe.cvs.sourceforge.net:/cvsroot/linuxcoe
```

```
pbprojdir:
fossology: $ENV{'HOME'}/Work/bruno/prj/fossology/git
pb: $ENV{'HOME'}/svn-git/pb
linuxcoe: $ENV{'HOME'}/LinuxCOE/cvs
```

```
pbdefdir:
default: $ENV{'HOME'}/svn-git/pb/projects
python-redfish: $ENV{'HOME'}/Work/bruno/prj
fossology: $ENV{'HOME'}/Work/bruno/prj/fossology
uuwl: $ENV{'HOME'}/svn-git
pb: $ENV{'HOME'}/svn-git
```

```
=> You access the upstream files for python-redfish in write mode (by ssh) and t
=> You access the upstream files for FOSSology in write mode (by ssh) and this p
=> You access the upstream files for UUWL in write mode (by ssh) and this projec
=> You access the upstream files for project-builder.org in write mode (by ssh)
=> You access the upstream files for afio in read-only mode and this project, wh
=> You access the upstream files for LinuxCOE in write mode (by ssh) and this pr
```

In order to help you validate the value for a given parameter, you may want to u

### **pb Environment Variables**

The following environment variables are used by pb when declared to change its b

#### **PBACCOUNT**

Default: Empty

Value: Login to use to connect to the VM/VE/RM. Also see -a option.

#### **pb**

Default: Empty

Value: Name of the project to build for. Also see -p option.

#### **PBROOTDIR**

Default: Empty

Value: Root directory of the configuration files for this project. Also see -m

PBV

Default: Empty

Value: List of VM/VE/RM to build for, separated by ','. Also see -m option

PBVCSOPT

Default: Empty

Value: Options to pass to the VCS command when interacting with the repository

PBVMOPT

Default: Empty

Value: Options to pass to the VM engine to launch VMs.

PBVMTMOUT

Default: 120

Value: Timeout in seconds to wait for the launch of the VM before communicating

TMPDIR

Default: /tmp

Value: Directory where temporary files will be created.

ftp\_proxy

http\_proxy

https\_proxy

Default: Empty

Value: URL of the proxy server to use for these protocols.

The following environment variables are generated by pb and can be used in build

PBBUILDDIR

Value: Build directory (pbbuild) where packages are created locally. See the s

PBCMSLOGFILE

Value: Intermediate log file generated for stable versions to create ChangeLog

PBCONFDIR

Value: Configuration directory (pbconf) where configuration files for the proj

PBDEFDIR

Value: Default directory where the project-builder.org will host host files fo

PBDESTDIR

Value: Destination directory (pbdelivery) where intermediate tar files are cre

PBDIR

Value: Directory where an upstream version is located. See the schema of Proje

PBETC

Value: .pbrc.yml configuration file of the user located in his HOME directory.



Value: E-mail address of the packager, used also to get GPG information. See p

**PBPASSFILE**

Value: File containing the pass phrase for the GPG signature. Used with PBPASS

**PBPASSPATH**

Value: Path of the file containing the pass phrase for the GPG signature. Used

**PBPASSPHRASE**

Value: Pass phrase for the GPG signature. Used instead of PBPASSPATH+PBPASSFII

**website**

Value: Name of the package built.

**pbDIR**

Value: Directory where an upstream project is located. See the schema of Proje

**pbTAG**

Value: Tag of the packages created, indicating the build procedure version. Se

**pbVER**

Value: Version of the packages created. See pbprojver parameter.

**2692ISION**

Value: Revision of the project in the VCS. Revision for SVN, commit ID for git

**PBVMPORT**

Value: Offset to the base port to communicate with the VM

**PBSOLDESTDIR**

Value: Target directory for the Solaris prototype

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