

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

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

mkbmbootcmds

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<kernelo
 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 syst
 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, osfamily)
 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, osfamily)
 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, osfamily)
 Value: OS command to launch in order to automatically install local packages on it.
 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, osfamily)
 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, osfamily)
 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, osfamily)
 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, osfamily)
 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 pbinalltype 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 th 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/projec

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 setup|vm phase
 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:
 mindi-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:
 mindi-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. Communicati
 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. This
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 automatically)
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/rpmbotstrap

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)
 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 -daemo`

vmpath

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: `vmpath:`
 `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 virtualizatio
 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


```
=> 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.

2448MISION

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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