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/cen
```

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.rep
```

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.rep
```

cachedir

```
Nature: Optional
Key: pb project: rpmbootstrap|pbmkbm|pb
Value: Directory to cache temporary content for the relevant pb project.
Conffile: pb
Example: cachedir:
           rpbootstrap: /var/cache/rpmbootstrap
```

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 mecanism
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<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 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, 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 lauch 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 lauch 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
```

ospathcmd-*

```
    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 internaly 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 lauch 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
```

pbgpgcheck

```
    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: pbgpgcheck:
               Lintel: 0
```

pbgpgserver

```
    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 adresses 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 defaul
    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 exe
    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. Normaly provid
    Conffile: home|project
    Example: pbprojurl:
               linuxcoe: cvs+ssh://:ext:user@linuxcoe.cvs.sourceforge.net:/cvsroot/l
```

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
    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 w
    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.
    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.r
    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 mar
```

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: rmport:
               pb: 2222,rmport 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 automat
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
```

verpmtype

```
    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 f
    Conffile: ve
    Example: verpmtype:
               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 Virtua
    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 wi
    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
```

vmmonport

```
    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: vmmonport:
               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

```
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 d
Conffile: project
Example: websshport:
           mondorescue: 22
```

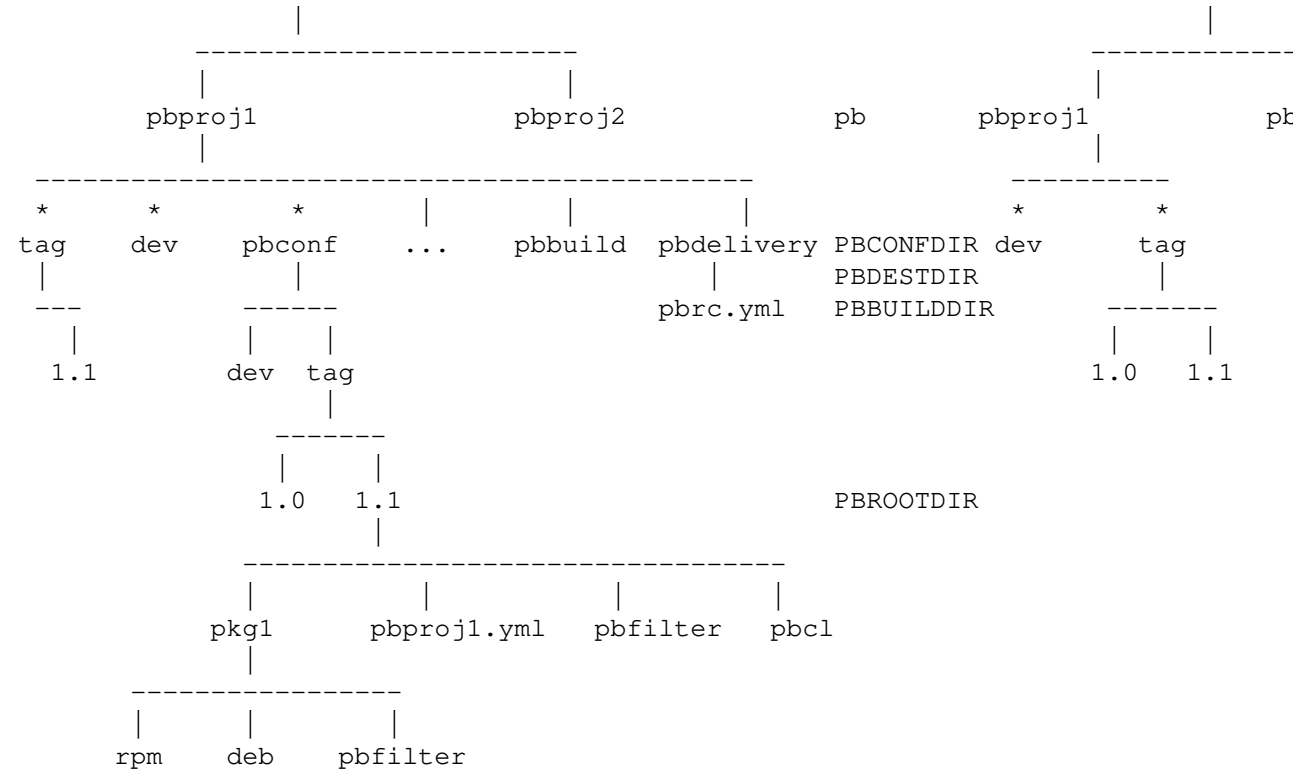
OTHER PARAMETERS

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, svk, 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/linuxco
  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 pbc
Names under a pbproj and the corresponding pbconf should be similar

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

Examples:

```
pbconfurl:
 python-redfish: git+ssh://git@github.com:bcornec/python-redfish.git
 fossology: git+https://github.com/fossology/fossology.git
 uuwl: git+svn+ssh://svn.mondorescue.org/prj/svn/pb/projects/uuwl/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
 uuwl: $ENV{'HOME'}/svn-git/pb/projects/uuwl/pbconf

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 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.or
=> 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 -r

  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 th 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+PBPASSFIL

    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.

    2651ISION
      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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