Cross compilation support Several variables have been added and some commands have been extended for better cross compilation support:

- **BDEPEND** Build dependencies are divided into two classes: BDEPEND for native build tools (CBUILD), DEPEND for dependencies compatible with the system being built (HOST). See BDEPEND on page 34.
- **SYSROOT** The path to the root directory for DEPEND type dependencies. See SYSROOT on page 52.
- **ESYSROOT** The concatenation of the SYSROOT and EPREFIX paths, for convenience.
- **BROOT** The prefixed root directory path for BDEPEND type dependencies, typically executable build tools. See BROOT on page 52.
- **ECONFIG** If supported, configure will be called with the --with-sysroot-ESYSROOT= option. See ECONFIG-OPTIONS on page 64.
- **has_version and best_version** These helpers support -b, -d or -r options, causing the query to apply to BDEPEND, DEPEND or BDEPEND (the default). This replaces the --host-root option. See PM-QUERY-OPTIONS on page 61.

Environment blacklist Any environment variable listed in the profile-defined ENV_UNSET variable will be unset by the package manager. See ENV-UNSET on page 55.

**patch** All inputs valid for GNU patch version 2.7 are supported. Especially, this includes support for git-formatted patches. See GNU-PATCH on page 59.

**nonfatal** In addition to its definition as a shell function, the nonfatal wrapper has now a fallback implementation as an external command. Thus, it can be called from other commands. See NONFATAL on page 60.

**Output commands** einfo and friends no longer use std-out, so inside of command substitution their output won’t be caught. See OUTPUT-NO-STDOUT on page 61.

**eqawarn** The eqawarn output command is supported in the package manager itself. See EQAWARN on page 61.

**die in subshell** The die command is guaranteed to work in a subshell context. See SUBSHELL-DIE on page 62.

domo destination domo installs the specified files under /usr/share/locale instead of $(DESTTREE)/share/locale. See DOMO-PATH on page 67.

**Controllable stripping** The dosstrip -x command can be used to add paths to an exclusion list for stripping of debug symbols, to allow more fine-grained control than with RESTRICT=strip. See DOSTRIP on page 70.

**Version manipulation and comparison commands**

- **ver_cut range [version]** Print the version substring specified by range. version defaults to PV.
- **ver_rs range repl ... [version]** Replace all version separators in range by string repl. Multiple range repl pairs are allowed. version defaults to PV.
- **ver_test [v1] op v2** Check if the relation v1 op v2 is true. v1 defaults to PVR; op can be -eq, -ne, -gt, -ge, -lt or -le. See VER-COMMANDS on page 72.

**Removals/Bans**

- **package.provided** Deprecated since a long time and finally dropped. See PACKAGE-PROVIDED on page 24.
- **PORTDIR and ECLASSDIR** No longer defined, because ebuilds should not directly access files in the repository. See PORTDIR on page 52 and ECLASSDIR on page 52.
- **DESTTREE and INSDESTTREE** Not defined any more. Use the into and insinto commands instead. See DESTTREE on page 53 and INSDESTTREE on page 53.
- **dohtml** No longer allowed. doins -r can be used as a replacement. See BANNED-COMMANDS on page 60.
- **dolib and libopts** No longer allowed. The specific dolib.a or dolib.so commands should be used as replacement. See BANNED-COMMANDS on page 60.