

Version: PLT Version Checking

Version 4.0

June 11, 2008

The version collection contains several version-related pieces that are used by PLT Scheme.
See also [version](#) from [scheme/base](#).

1 Installed Patch Level

(require version/patchlevel)

patchlevel : exact-nonnegative-integer?

Indicates the current installed patch level, which is normally zero, but may be updated by patches to DrScheme.

2 Checking Available Versions

`(require version/check)`

`(check-version) → (or/c symbol? list?)`

Checks the currently available version on the PLT website (<http://download.plt-scheme.org>) and returns a value that indicates the current state of the current installation:

- `'ok` You're fine.
- `'(ok-but ,version)` You have a fine stable version, but note that there is a newer alpha version available numbered `version`.
- `'(newer ,version)` You have an old version. Please upgrade to `version`.
- `'(newer ,version ,alpha)` You have an old-but-stable version, please upgrade to `version`; you may consider also the newer alpha version numbered `alpha`.
- `'(error ,message)` An error occurred, and `message` is a string that indicates the error.
- `'(error ,message ,additional-info)` An error occurred; `message` is a string that indicates the error, and `additional-info` is a string containing a system error. The `additional-info` content is always parenthesized, so `message` is a short error and `(string-append message " " additional-info)` is a verbose one.

3 DrScheme Version Tool

(require version/tool)

The `version/tool` library implements a DrScheme tool that

- makes the patchlevel appears as a version $p\langle N \rangle$ suffix in DrScheme, though the base version reported by (`version`) is not changed);
- if enabled by the user, periodically checks whether a new PLT Scheme distribution is available for download.