

PLN CDR draft: Issue 9

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1 Issue 9 (Empty package local name)

1.1 Description

It is not clear whether it should be allowed to use the empty string "" as a local nickname, and in the case it is allowed, whether it should affect the keyword symbol syntax :xxxx.

1.2 Examples

```
(defpackage #:foo
  (:use #:cl)
  (:local-nicknames (" #:cl)))
```

```
(in-package #:foo)
```

```
(package-name (symbol-package ':*package*))
; => "KEYWORD" (sbcl, ccl, ecl, abcl, clasp, lispworks)
; => "COMMON-LISP" (acl)
```

```
(package-name (symbol-package '||:*package*))
; => "KEYWORD" (ecl, clasp, lispworks)
; => "COMMON-LISP" (sbcl, ccl, acl)
; abcl errors
```

1.3 Current behavior

sbcl, ccl: :xxxx is read as a keyword; ||:xxxx is read as a symbol in the package named or nicknamed "".

ecl, clasp, lispworks: Both ||:xxxx and :xxxx are read as a keyword.

acl:

Both :xxxx and ||:xxxx are read as a symbol in the package named or nicknamed "" which is a *global nickname* for the #:KEYWORD package, but can be shadowed by a *local nickname*.

abcl: :xxxx is read as a keyword; ||:xxxx syntax cannot be read (attempts result in an error).

1.4 Proposal ALLOW-KEEP-KEYWORDS

The "" local nickname should be explicitly allowed. :xxxx should be always read as a keyword regardless of package names or nicknames. ||:xxxx should be read as a symbol in the package named or nicknamed by "".

1.5 Proposal ALLOW-FUN

The "" local nickname should be explicitly allowed. Both :xxxx and ||:xxxx should be read as a symbol in the package named or nicknamed by "".

1.6 Links

See also the WSCL issue 63.