

check-pathnames of Clozure Common Lisp (Version 1.6-RC1-r14432M (LinuxX8664))

1 Table of Contents

Contents

1 Table of Contents	1
2 Introduction	1
3 Preliminary checks	2
4 Pathname Accessor Checks with :CASE :COMMON	3
4.1 Check PRINTED-PATHNAME-CASE-SENSITIVE	3
5 Pathname Accessor Checks with :CASE :LOCAL (customary case is lower)	4
5.1 Check PRINTED-PATHNAME-CASE-SENSITIVE	4
6 Logical Pathname Construction Checks	5
7 Logical Pathname Translation Checks	5
7.1 Check TRANSLATE-LOGICAL-PATHNAMES/SHARP-P-VS-MAKE-PATHNAME	5
8 Unix Pathname Construction Checks	7
9 Checking Translations between logical pathnames	7
9.1 Check TRANSLATE-PATHNAME/LOGICAL/LOGICAL/R5/DIRECTORY	7
10 Checking Translations from logical pathname to physical pathname	8
10.1 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1A	8
10.2 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2A	9
10.3 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3A	11
10.4 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/4A	12
10.5 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/5A	14
10.6 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/6A	15
10.7 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1B	17
10.8 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2B	18
10.9 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3B	19
10.10 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1C	21
10.11 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2C	22
10.12 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3C	24
11 Checking Translations from physical pathname to logical pathname	25

2 Introduction

Test and probe conforming logical pathnames, and their translation to unix physical pathnames.

We want to check the good working of logical pathnames, and the translation of logical pathnames to physical pathnames, in a semi-standard way on unix systems.

Namely, given the logical hosts and their translations:

```
(setf (logical-pathname-translations "LOGICAL") nil)
(setf (logical-pathname-translations "LOGICAL")
      '((#P"LOGICAL:**;*. *" #P"/tmp/**/*.*")
        (#P"LOGICAL:**;*. *" #P"/tmp/**/*.*")))
(setf (logical-pathname-translations "LOG1") nil)
(setf (logical-pathname-translations "LOG1")
      '((#P"LOG1:**;*. *" #P"/tmp/log1/**/*.*")
        (#P"LOG1:**;*. *" #P"/tmp/log1/**/*.*")))
(setf (logical-pathname-translations "LOG2") nil)
(setf (logical-pathname-translations "LOG2")
      '((#P"LOG2:**;*. *" #P"/tmp/log2/**/*.*")
        (#P"LOG2:**;*. *" #P"/tmp/log2/**/*.*")))
```

Then:

```
#P"LOGICAL:DIR;SUBDIR;NAME.TYPE.NEWEST"
```

must be the same as:

```
(make-pathname :host "LOGICAL"
               :directory '(:absolute "DIR" "SUBDIR")
               :name "NAME" :type "TYPE" :version :newest
               :case :common)
```

and must translate to: #P"/tmp/dir/subdir/name.type" on unix.

Merging physical pathnames specified with :case :common is also tested:

```
(merge-pathnames (make-pathname :directory '(:relative "DIR" "SUBDIR")
                                :name "NAME" :type "TYPE" :version :newest
                                :case :common :default #1=#P"/tmp/")
                  #1# nil)
```

must give #P"/tmp/dir/subdir/name.type" on unix.

(An empty section means that all tests passed successfully).

3 Preliminary checks

With Clozure Common Lisp (Version 1.6-RC1-r14432M (LinuxX8664)) on Linux, the customary case for the file system of the host :UNSPECIFIC of the pathname "/tmp/name.type" seems to be lower case. Which was expected.

```
*FEATURES* = (:PRIMARY-CLASSES :COMMON-LISP :OPENMCL :CCL :CCL-1.2 :CCL-1.3
              :CCL-1.4 :CCL-1.5 :CCL-1.6 :CLOZURE :CLOZURE-COMMON-LISP :ANSI-CL
              :UNIX :OPENMCL-UNICODE-STRINGS :OPENMCL-NATIVE-THREADS
              :OPENMCL-PARTIAL-MOP :MCL-COMMON-MOP-SUBSET :OPENMCL-MOP-2
              :OPENMCL-PRIVATE-HASH-TABLES :X86-64 :X86_64 :X86-TARGET
              :X86-HOST :X864-TARGET :X8664-HOST :LINUX-HOST :LINUX-TARGET
              :LINUXX86-TARGET :LINUXX8664-TARGET :LINUXX8664-HOST
              :64-BIT-TARGET :64-BIT-HOST :LINUX :LITTLE-ENDIAN-TARGET
              :LITTLE-ENDIAN-HOST)
```

4 Pathname Accessor Checks with :CASE :COMMON

We're considering the pathname built with:

```
(MAKE-PATHNAME
 :HOST
 "LOGICAL"
 :DEVICE
 :UNSPECIFIC
 :DIRECTORY
 (:ABSOLUTE "DIR" "SUBDIR")
 :NAME
 "NAME"
 :TYPE
 "TYPE"
 :VERSION
 :NEWEST
 :CASE
 :COMMON)
```

is a LOGICAL-PATHNAME: #P"LOGICAL:dir;subdir;name.type.newest"

The fields of this pathname with :case :common are:

```
Host : "LOGICAL"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "DIR" "SUBDIR")
Name : "NAME"
Type : "TYPE"
Version : :NEWEST
```

4.1 Check PRINTED-PATHNAME-CASE-SENSITIVE

Failed assertion:

```
((LAMBDA (PRINTED EXPECTED-PRINTED)
  (FIND-IF (LAMBDA (EXPECTED) (STRING= EXPECTED PRINTED)) EXPECTED-PRINTED))
 (PRIN1-TO-STRING PATH) EXPECTED-PRINTED)
LEFT ARGUMENT = (PRIN1-TO-STRING PATH) =
"#P\"LOGICAL:dir;subdir;name.type.newest\"
RIGHT ARGUMENT = EXPECTED-PRINTED =
("#P\"LOGICAL:DIR;SUBDIR;NAME.TYPE\"
"#P\"LOGICAL:DIR;SUBDIR;NAME.TYPE.NEWEST\"")
```

It would be better if logical pathnames were printed using upper case letters, mostly because of 19.3.1.1.7, and because:

22.1.1 Overview of The Lisp Printer

Reading a printed representation typically produces an object that is equal to the originally printed object.

and

2.4.8.14 Sharpsign P

#P reads a following object, which must be a string.

#P<<expression>> is equivalent to #.(parse-namestring '<<expression>>), except that #P is not affected by *read-eval*.

and

Function PARSE-NAMESTRING

- If host is nil and thing is a syntactically valid logical pathname namestring containing an explicit host, then it is parsed as a logical pathname namestring.

and

19.3.1.1.7 Lowercase Letters in a Logical Pathname Namestring When parsing words and wildcard-words, lowercase letters are translated to uppercase.

Notice that means that a logical pathname built with mixed cases (or lower case), cannot be printed readably with a conforming syntax (but it doesn't matter, since it's not a conforming logical pathname anyways).

5 Pathname Accessor Checks with :CASE :LOCAL (customary case is lower)

We're considering the pathname built with:

```
(MAKE-PATHNAME
```

```
  :HOST  
  "logical"  
  :DEVICE  
  :UNSPECIFIC  
  :DIRECTORY  
  (:ABSOLUTE "dir" "subdir")  
  :NAME  
  "name"  
  :TYPE  
  "type"  
  :VERSION  
  :NEWEST  
  :CASE  
  :LOCAL)
```

is a LOGICAL-PATHNAME: #P"logical:dir;subdir;name.type.newest"

The fields of this pathname with :case :common are:

```
Host : "LOGICAL"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "DIR" "SUBDIR")  
Name : "NAME"  
Type : "TYPE"  
Version : :NEWEST
```

5.1 Check PRINTED-PATHNAME-CASE-SENSITIVE

Failed assertion:

```
((LAMBDA (PRINTED EXPECTED-PRINTED)
```

```
  (FIND-IF (LAMBDA (EXPECTED) (STRING= EXPECTED PRINTED)) EXPECTED-PRINTED))  
  (PRIN1-TO-STRING PATH) EXPECTED-PRINTED)
```

```
LEFT ARGUMENT = (PRIN1-TO-STRING PATH) =  
"#P\"logical:dir;subdir;name.type.newest\""
```

```
RIGHT ARGUMENT = EXPECTED-PRINTED =  
("#P\"LOGICAL:DIR;SUBDIR;NAME.TYPE\""
```

```
"#P\"LOGICAL:DIR;SUBDIR;NAME.TYPE.NEWEST\"")
```

It would be better if logical pathnames were printed using upper case letters, mostly because of 19.3.1.1.7, and because:

22.1.1 Overview of The Lisp Printer

Reading a printed representation typically produces an object that is equal to the originally printed object.

and

2.4.8.14 Sharpsign P

#P reads a following object, which must be a string.

#P<<expression>> is equivalent to #.(parse-namestring '<<expression>>), except that #P is not affected by *read-eval*.

and

Function PARSE-NAMESTRING

- If host is nil and thing is a syntactically valid logical pathname namestring containing an explicit host, then it is parsed as a logical pathname namestring.

and

19.3.1.1.7 Lowercase Letters in a Logical Pathname Namestring When parsing words and wildcard-words, lowercase letters are translated to uppercase.

Notice that means that a logical pathname built with mixed cases (or lower case), cannot be printed readably with a conforming syntax (but it doesn't matter, since it's not a conforming logical pathname anyways).

6 Logical Pathname Construction Checks

CL:EQUAL and CHECK-PATHNAME:PATHNAME-EQUAL don't agree on equality of these pathnames:

CL:EQUAL says they're different.

CHECK-PATHNAME:PATHNAME-EQUAL says they're same.

CL:EQUAL and CHECK-PATHNAME:PATHNAME-EQUAL don't agree on equality of these pathnames:

CL:EQUAL says they're different.

CHECK-PATHNAME:PATHNAME-EQUAL says they're same.

CL:EQUAL and CHECK-PATHNAME:PATHNAME-EQUAL don't agree on equality of these pathnames:

CL:EQUAL says they're different.

CHECK-PATHNAME:PATHNAME-EQUAL says they're same.

7 Logical Pathname Translation Checks

7.1 Check

TRANSLATE-LOGICAL-PATHNAMES/SHARP-P-VS-MAKE-PATHNAME

Failed assertion:

```
(OR (NOT (AND (PATHNAME-MATCH-P READ-PATHNAME PATTERN)
```

```
          (IGNORE-ERRORS (TRANSLATE-LOGICAL-PATHNAME READ-PATHNAME))))  
      (PATHNAME-EQUAL
```

(TRANSLATE-LOGICAL-PATHNAME READ-PATHNAME)
(TRANSLATE-LOGICAL-PATHNAME MADE-PATHNAME)
:CASE
:LOCAL))

Logical-Pathname READ-PATHNAME = (READ-FROM-STRING

"#P\"LOGICAL:DIR;SUBDIR;NAME.TYPE.NEWEST\"")

is a LOGICAL-PATHNAME: #P\"LOGICAL:DIR;SUBDIR;NAME.TYPE.newest"

The fields of this pathname with :case :common are:

Host : "LOGICAL"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "DIR" "SUBDIR")
Name : "NAME"
Type : "TYPE"
Version : :NEWEST

Logical-Pathname PATTERN = (READ-FROM-STRING "#P\"LOGICAL:**;*. *\"")

is a LOGICAL-PATHNAME: #P\"LOGICAL:**;*. *"

The fields of this pathname with :case :common are:

Host : "LOGICAL"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Logical-Pathname MADE-PATHNAME = (MAKE-PATHNAME

:HOST
"LOGICAL"
:DEVICE
:UNSPECIFIC
:DIRECTORY
'(:ABSOLUTE "DIR" "SUBDIR")
:NAME
"NAME"
:TYPE
"TYPE"
:VERSION
:NEWEST
:CASE
:COMMON)

is a LOGICAL-PATHNAME: #P\"LOGICAL:dir;subdir;name.type.newest"

The fields of this pathname with :case :common are:

Host : "LOGICAL"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "DIR" "SUBDIR")
Name : "NAME"
Type : "TYPE"
Version : :NEWEST

8 Unix Pathname Construction Checks

9 Checking Translations between logical pathnames

9.1 Check

TRANSLATE-PATHNAME/LOGICAL/LOGICAL/R5/DIRECTORY

Failed assertion:

```
(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :COMMON))
```

```
Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"  
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"  
The fields of this pathname with :case :common are:
```

```
Host : "LOG1"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "ABC" "DEF")  
Name : "NAME"  
Type : "TYP"  
Version : NIL
```

```
Logical-Pathname FROM-PAT = #P"LOG1:ABC;DEF;*.**"  
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;*.**"  
The fields of this pathname with :case :common are:
```

```
Host : "LOG1"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "ABC" "DEF")  
Name : :WILD  
Type : :WILD  
Version : NIL
```

```
Logical-Pathname TO-PAT = #P"LOG2:UVW;XYZ.*.*"  
is a LOGICAL-PATHNAME: #P"LOG2:UVW;XYZ.*.*"  
The fields of this pathname with :case :common are:
```

```
Host : "LOG2"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "UVW")  
Name : "XYZ"  
Type : :WILD  
Version : "**"
```

```
Logical-Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
```

```
is a LOGICAL-PATHNAME: #P"LOG2:UVW;XYZ.TYP"  
The fields of this pathname with :case :common are:
```

```
Host : "LOG2"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "UVW")  
Name : "XYZ"  
Type : "TYP"  
Version : NIL
```

```
Logical-Pathname EXPECTED = #P"LOG2:UVW;XYZ;NAME.TYP"  
is a LOGICAL-PATHNAME: #P"LOG2:UVW;XYZ;NAME.TYP"
```

```
The fields of this pathname with :case :common are:
```

Host : "LOG2"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "UVW" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to logical pathname.

10 Checking Translations from logical pathname to physical pathname

10.1 Check

UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1A

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;*.**"
is a LOGICAL-PATHNAME: #P"LOG1:**;*.**"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/*.*"
is a PATHNAME: #P"/tmp/log3/**/*.*"
The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD

Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)

is a PATHNAME: #P"/tmp/log3/ABC/DEF/NAME.TYP"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "abc" "def")
Name : "name"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/abc/def/name.typ"

is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.2 Check

UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2A

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"

is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;*.**"
is a LOGICAL-PATHNAME: #P"LOG1:**;*.**"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/xyz/*.*"
is a PATHNAME: #P"/tmp/log3/**/xyz/*.*"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS "xyz")
Name : :WILD
Type : :WILD
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS "XYZ")
Name : :WILD
Type : :WILD
Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/ABC/DEF/xyz/NAME.TYP"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "ABC" "DEF" "xyz")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "abc" "def" "XYZ")
Name : "name"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/abc/def/xyz/name.typ"
is a PATHNAME: #P"/tmp/log3/abc/def/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def" "xyz")
Name : "name"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC

Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF" "XYZ")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.3 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3A

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;*.**"
is a LOGICAL-PATHNAME: #P"LOG1:**;*.**"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/uvw/**/*.*"
is a PATHNAME: #P"/tmp/log3/uvw/**/*.*"
The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/uvw/ABC/DEF/NAME.TYP"
The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "abc" "def")
Name : "name"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/uvw/abc/def/name.typ"
is a PATHNAME: #P"/tmp/log3/uvw/abc/def/name.typ"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "def")
Name : "name"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.4 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/4A

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;*.**"
is a LOGICAL-PATHNAME: #P"LOG1:**;*.**"

The fields of this pathname with :case :common are:

Host : "LOG1"

Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/uvw/**/xyz/*.*"

is a PATHNAME: #P"/tmp/log3/uvw/**/xyz/*.*"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" :WILD-INFERIORS "xyz")
Name : :WILD
Type : :WILD
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" :WILD-INFERIORS "XYZ")
Name : :WILD
Type : :WILD
Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)

is a PATHNAME: #P"/tmp/log3/uvw/ABC/DEF/xyz/NAME.TYP"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "ABC" "DEF" "xyz")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "abc" "def" "XYZ")
Name : "name"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/uvw/abc/def/xyz/name.typ"

is a PATHNAME: #P"/tmp/log3/uvw/abc/def/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "def" "xyz")
Name : "name"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "ABC" "DEF" "XYZ")
Name : "NAME"
Type : "TYP"

Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.5 Check

UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/5A

Failed assertion:

```
(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))
```

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"

The fields of this pathname with :case :common are:

```
Host : "LOG1"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "ABC" "DEF")  
Name : "NAME"  
Type : "TYP"  
Version : NIL
```

Logical-Pathname FROM-PAT = #P"LOG1:*;*;*.**"
is a LOGICAL-PATHNAME: #P"LOG1:*;*;*.**"

The fields of this pathname with :case :common are:

```
Host : "LOG1"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE :WILD :WILD)  
Name : :WILD  
Type : :WILD  
Version : NIL
```

Pathname TO-PAT = #P"/tmp/log3/uvw*/xyz/*.*"
is a PATHNAME: #P"/tmp/log3/uvw*/xyz/*.*"

The fields of this pathname with :case :local (default) are:

```
Host : :UNSPECIFIC  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" "uvw" :WILD "xyz")  
Name : :WILD  
Type : :WILD  
Version : :NEWEST
```

The fields of this pathname with :case :common are:

```
Host : :UNSPECIFIC  
Device : NIL  
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" :WILD "XYZ")  
Name : :WILD  
Type : :WILD  
Version : :NEWEST
```

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/uvw/ABC/xyz/NAME.TYP"

The fields of this pathname with :case :local (default) are:

```
Host : :UNSPECIFIC  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "ABC" "xyz")  
Name : "NAME"
```

Type : "TYP"
Version : :NEWEST
The fields of this pathname with :case :common are:
Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "abc" "XYZ")
Name : "name"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/uvw/abc/xyz/name.typ"
is a PATHNAME: #P"/tmp/log3/uvw/abc/xyz/name.typ"
The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "xyz")
Name : "name"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "ABC" "XYZ")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.6 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/6A

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:*,*,*."
is a LOGICAL-PATHNAME: #P"LOG1:*,*,*."

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD :WILD)
Name : :WILD
Type : :WILD

Version : NIL

Pathname TO-PAT = #P"/tmp/log3/rst*/uvw*/xyz/*.*"

is a PATHNAME: #P"/tmp/log3/rst*/uvw*/xyz/*.*"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "rst" :WILD "uvw" :WILD "xyz")
Name : :WILD
Type : :WILD
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "RST" :WILD "UVW" :WILD "XYZ")
Name : :WILD
Type : :WILD
Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)

is a PATHNAME: #P"/tmp/log3/rst/ABC/uvw/DEF/xyz/NAME.TYP"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "rst" "ABC" "uvw" "DEF" "xyz")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "RST" "abc" "UVW" "def" "XYZ")
Name : "name"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/rst/abc/uvw/def/xyz/name.typ"

is a PATHNAME: #P"/tmp/log3/rst/abc/uvw/def/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "rst" "abc" "uvw" "def" "xyz")
Name : "name"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "RST" "ABC" "UVW" "DEF" "XYZ")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.7 Check

UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1B

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:ABC;DEF;*.**"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;*.**"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/*.*"
is a PATHNAME: #P"/tmp/log3/**/*.*"
The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/NAME.TYP"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC

Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3")
Name : "name"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/abc/def/name.typ"
is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"
The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.8 Check

UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2B

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;NAME.*"
is a LOGICAL-PATHNAME: #P"LOG1:**;NAME.*"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : "NAME"
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/*.*"
is a PATHNAME: #P"/tmp/log3/**/*.*"
The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/ABC/DEF/NAME.TYP"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "abc" "def")
Name : "name"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/abc/def/name.typ"
is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.9 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3B

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;*.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:**;*.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : "TYP"
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/*.*"
is a PATHNAME: #P"/tmp/log3/**/*.*"
The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/ABC/DEF/NAME.TYP"
The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "abc" "def")
Name : "name"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/abc/def/name.typ"
is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"
The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.10 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1C

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:ABC;DEF;*.*)" is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;*.*)" The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/uvw/xyz/*.*)" is a PATHNAME: #P"/tmp/log3/uvw/xyz/*.*)" The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "xyz")
Name : :WILD
Type : :WILD

Version : :NEWEST
The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "XYZ")
Name : :WILD
Type : :WILD
Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/uvw/xyz/NAME.TYP"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "xyz")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "XYZ")
Name : "name"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/uvw/xyz/name.typ"
is a PATHNAME: #P"/tmp/log3/uvw/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "xyz")
Name : "name"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "XYZ")
Name : "NAME"
Type : "TYP"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.11 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2C

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;NAME.*"
is a LOGICAL-PATHNAME: #P"LOG1:**;NAME.*"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : "NAME"
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/eman.*"
is a PATHNAME: #P"/tmp/log3/**/eman.*"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
Name : "eman"
Type : :WILD
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)
Name : "EMAN"
Type : :WILD
Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/ABC/DEF/eman.TYP"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "ABC" "DEF")
Name : "eman"
Type : "TYP"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "abc" "def")
Name : "EMAN"
Type : "typ"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/abc/def/eman.typ"
is a PATHNAME: #P"/tmp/log3/abc/def/eman.typ"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "eman"
Type : "typ"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "EMAN"
Type : "TYP"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

10.12 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3C

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;*.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:**;*.TYP"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : "TYP"
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/* .pyt"
is a PATHNAME: #P"/tmp/log3/**/* .pyt"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
Name : :WILD
Type : "pyt"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC

Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)
Name : :WILD
Type : "PYT"
Version : :NEWEST

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)

is a PATHNAME: #P"/tmp/log3/ABC/DEF/NAME.pyt"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "ABC" "DEF")
Name : "NAME"
Type : "pyt"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "abc" "def")
Name : "name"
Type : "PYT"
Version : :NEWEST

Pathname EXPECTED = #P"/tmp/log3/abc/def/name.pyt"

is a PATHNAME: #P"/tmp/log3/abc/def/name.pyt"

The fields of this pathname with :case :local (default) are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "pyt"
Version : :NEWEST

The fields of this pathname with :case :common are:

Host : :UNSPECIFIC
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "PYT"
Version : :NEWEST

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

11 Checking Translations from physical pathname to logical pathname

CL:EQUAL and CHECK-PATHNAME:PATHNAME-EQUAL don't agree on equality of these pathnames:

CL:EQUAL says they're different.

CHECK-PATHNAME:PATHNAME-EQUAL says they're same.

CL:EQUAL and CHECK-PATHNAME:PATHNAME-EQUAL don't agree on equality of these pathnames:

CL:EQUAL says they're different.

CHECK-PATHNAME:PATHNAME-EQUAL says they're same.