check-pathnames of CLISP (2.49 (2010-07-07) (built 3499302370) (memory 3499302538))

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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/**/*.*"))
(setf (logical-pathname-translations "LOG2") nil)
(setf (logical-pathname-translations "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 CLISP (2.49 (2010-07-07) (built 3499302370) (memory 3499302538)) on Unix, the customary case for the file system of the host NIL of the pathname "/tmp/name.type" seems to be lower case. Which was expected.

```
*FEATURES* =
(:READLINE :REGEXP :SYSCALLS :I18N :LOOP :COMPILER :CLOS :MOP :CLISP :ANSI-CL
```

```
    :COMMON-LISP      :LISP=CL      :INTERPRETER      :SOCKETS      :GENERIC-STREAMS
    :LOGICAL-PATHNAMES
    :SCREEN :FFI :GETTEXT :UNICODE :BASE-CHAR=CHARACTER :WORD-SIZE=64 :PC386 :UNIX)
```

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 LOGICAL-PATHNAME-DIRECTORY

Failed assertion:

(DIRLIST= (PATHNAME-DIRECTORY PATH :CASE :COMMON) DIRECTORY)

LEFT ARGUMENT = (PATHNAME-DIRECTORY PATH :CASE :COMMON) =
(:ABSOLUTE "dir" "subdir")

RIGHT ARGUMENT = DIRECTORY =
(:ABSOLUTE "DIR" "SUBDIR")

4.2   Check LOGICAL-PATHNAME-NAME

Failed assertion:

(STRING= (PATHNAME-NAME PATH :CASE :COMMON) NAME)

LEFT ARGUMENT = (PATHNAME-NAME PATH :CASE :COMMON) =
"name"

RIGHT ARGUMENT = NAME =
"NAME"

4.3   Check LOGICAL-PATHNAME-TYPE

Failed assertion:

(STRING= (PATHNAME-TYPE PATH :CASE :COMMON) TYPE)

LEFT ARGUMENT = (PATHNAME-TYPE PATH :CASE :COMMON) =
"type"

RIGHT ARGUMENT = TYPE =
"TYPE"

4.4   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 LOGICAL-PATHNAME-DIRECTORY

Failed assertion:

(DIRLIST= (PATHNAME-DIRECTORY PATH :CASE :COMMON) DIRECTORY)

LEFT ARGUMENT = (PATHNAME-DIRECTORY PATH :CASE :COMMON) =
(:ABSOLUTE "dir" "subdir")

RIGHT ARGUMENT = DIRECTORY =
(:ABSOLUTE "DIR" "SUBDIR")

5.2 Check LOGICAL-PATHNAME-NAME

Failed assertion:

(STRING= (PATHNAME-NAME PATH :CASE :COMMON) NAME)

LEFT ARGUMENT = (PATHNAME-NAME PATH :CASE :COMMON) =
"name"

RIGHT ARGUMENT = NAME =
"NAME"

5.3 Check LOGICAL-PATHNAME-TYPE

Failed assertion:

(STRING= (PATHNAME-TYPE PATH :CASE :COMMON) TYPE)

LEFT ARGUMENT = (PATHNAME-TYPE PATH :CASE :COMMON) =
"type"

RIGHT ARGUMENT = TYPE =
"TYPE"

5.4 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

6.1 Check SHARP-P-VS-MAKE-PATHNAME

Failed assertion:

> (PATHNAME-EQUAL READ-PATHNAME MADE-PATHNAME :CASE :COMMON)

> 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 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

7 Logical Pathname Translation Checks

8 Unix Pathname Construction Checks

9 Checking Translations between logical pathnames

9.1 Check TRANSLATE-PATHNAME/LOGICAL/SELF/A1/TYPE

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:**;*.*"
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

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

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

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

 "TRANSLATE-PATHNAME: replacement pieces ((:DIRECTORY \"ABC\" \"DEF\") \"NAME\" \"TYP\"
 NIL) do not fit into #P\"LOG1:**;*.PYT\"
")

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

    Host : "LOG1"
    Device : :UNSPECIFIC
    Directory : (:ABSOLUTE "ABC" "DEF")

Name : "NAME"
            Type : "PYT"
            Version : NIL

translate-pathname should work within the same logical host.

9.2   Check TRANSLATE-PATHNAME/LOGICAL/SELF/A2/NAME

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:**;*.*"
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

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

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

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

  "TRANSLATE-PATHNAME: replacement pieces ((:DIRECTORY \"ABC\" \"DEF\") \"NAME\" \"TYP\"
  NIL) do not fit into #P\"LOG1:**;EMAN.*\"
")

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

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

translate-pathname should work within the same logical host.

9.3 Check TRANSLATE-PATHNAME/LOGICAL/SELF/A3/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:**;*.*"
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

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

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

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

  "TRANSLATE-PATHNAME: replacement pieces ((:DIRECTORY \"ABC\" \"DEF\") \"NAME\" \"TYP\"
  NIL) do not fit into #P\"LOG1:UVW;XYZ;*.*\"
")

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

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

translate-pathname should work within the same logical host.

9.4 Check TRANSLATE-PATHNAME/LOGICAL/SELF/C4/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:*;*;*.*"
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

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

> Host : "LOG1"
> Device : :UNSPECIFIC
> Directory : (:ABSOLUTE "UVW" :WILD "XYZ")
> Name : :WILD
> Type : :WILD
> Version : NIL

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

 "TRANSLATE-PATHNAME: replacement pieces (\"ABC\" \"DEF\" \"NAME\" \"TYP\" NIL) do not fit into #P\"LOG1:UVW;*;XYZ;*.*\"
")

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

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

translate-pathname should work within the same logical host.

9.5 Check TRANSLATE-PATHNAME/LOGICAL/LOGICAL/E1/TYPE

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:**;*.*"
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

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

    Host : "LOG2"
    Device : :UNSPECIFIC
    Directory : (:ABSOLUTE :WILD-INFERIORS)
    Name : :WILD
    Type : "PYT"
    Version : NIL

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

 "TRANSLATE-PATHNAME: replacement pieces ((:DIRECTORY \"ABC\" \"DEF\") \"NAME\" \"TYP\"
 NIL) do not fit into #P\"LOG2:**;*.PYT\"
")

Logical-Pathname EXPECTED = #P"LOG2:ABC;DEF;NAME.PYT"
is a LOGICAL-PATHNAME: #P"LOG2:ABC;DEF;NAME.PYT"
The fields of this pathname with :case :common are:

    Host : "LOG2"
    Device : :UNSPECIFIC
    Directory : (:ABSOLUTE "ABC" "DEF")
    Name : "NAME"
    Type : "PYT"
    Version : NIL

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

9.6 Check TRANSLATE-PATHNAME/LOGICAL/LOGICAL/E2/NAME

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:**;*.*"
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

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

    Host : "LOG2"
    Device : :UNSPECIFIC
    Directory : (:ABSOLUTE :WILD-INFERIORS)
    Name : "EMAN"
    Type : :WILD
    Version : NIL

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

 "TRANSLATE-PATHNAME: replacement pieces ((:DIRECTORY \"ABC\" \"DEF\") \"NAME\" \"TYP\"
 NIL) do not fit into #P\"LOG2:**;EMAN.*\"
")

Logical-Pathname EXPECTED = #P"LOG2:ABC;DEF;EMAN.TYP"
is a LOGICAL-PATHNAME: #P"LOG2:ABC;DEF;EMAN.TYP"
The fields of this pathname with :case :common are:

    Host : "LOG2"
    Device : :UNSPECIFIC
    Directory : (:ABSOLUTE "ABC" "DEF")
    Name : "EMAN"
    Type : "TYP"
    Version : NIL

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

9.7 Check TRANSLATE-PATHNAME/LOGICAL/LOGICAL/E3/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:**;*.*"
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

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" "XYZ")
      Name : :WILD
      Type : :WILD
      Version : NIL

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

  "TRANSLATE-PATHNAME: replacement pieces ((:DIRECTORY \"ABC\" \"DEF\") \"NAME\" \"TYP\"
  NIL) do not fit into #P\"LOG2:UVW;XYZ;*.*\"
")

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 host to logical host.

9.8 Check TRANSLATE-PATHNAME/LOGICAL/LOGICAL/G4/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:*;*;*.*"
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

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" :WILD "XYZ")
    Name : :WILD
    Type : :WILD
    Version : NIL

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

 "TRANSLATE-PATHNAME: replacement pieces (\"ABC\" \"DEF\" \"NAME\" \"TYP\" NIL) do not fit into
 #P\"LOG2:UVW;*;XYZ;*.*\"
")

Logical-Pathname EXPECTED = #P"LOG2:UVW;ABC;XYZ;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG2:UVW;ABC;XYZ;NAME.TYP"
The fields of this pathname with :case :common are:

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

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

9.9 Check TRANSLATE-PATHNAME/LOGICAL/LOGICAL/R2/TYPE

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:**;*.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

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

Host : "LOG2"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Logical-Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT
TO-PAT)
is a LOGICAL-PATHNAME: #P"LOG2:ABC;DEF;NAME"
The fields of this pathname with :case :common are:

Host : "LOG2"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : NIL
Version : NIL

Logical-Pathname EXPECTED = #P"LOG2:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG2:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG2"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"

Version : NIL

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

9.10 Check TRANSLATE-PATHNAME/LOGICAL/LOGICAL/R3/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:**;*.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

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

    Host : "LOG2"
    Device : :UNSPECIFIC
    Directory : (:ABSOLUTE :WILD-INFERIORS "SUBDIR")
    Name : :WILD
    Type : :WILD
    Version : NIL

Logical-Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a LOGICAL-PATHNAME: #P"LOG2:ABC;DEF;SUBDIR;NAME"
The fields of this pathname with :case :common are:

    Host : "LOG2"
    Device : :UNSPECIFIC
    Directory : (:ABSOLUTE "ABC" "DEF" "SUBDIR")
    Name : "NAME"
    Type : NIL
    Version : NIL

Logical-Pathname EXPECTED = #P"LOG2:ABC;DEF;SUBDIR;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG2:ABC;DEF;SUBDIR;NAME.TYP"
The fields of this pathname with :case :common are:

    Host : "LOG2"

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

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

9.11 Check TRANSLATE-PATHNAME/LOGICAL/SELF/R4/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"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

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

 "TRANSLATE-PATHNAME: replacement pieces (\"NAME\" \"TYP\" NIL) do not fit into
 #P\"LOG1:**;*.*\"
")

Logical-Pathname EXPECTED = #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

translate-pathname should work within the same logical host.

9.12 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 : :WILD

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

 "TRANSLATE-PATHNAME: replacement pieces (\"NAME\" \"TYP\" NIL) do not fit into
 #P\"LOG2:UVW;XYZ.*.*\"
")

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.

9.13 Check TRANSLATE-PATHNAME/LOGICAL/LOGICAL/R6/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:**;*.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

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

Host : "LOG2"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS "SUBDIR")
Name : :WILD
Type : :WILD
Version : NIL

Logical-Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a LOGICAL-PATHNAME: #P"LOG2:ABC;DEF;SUBDIR;NAME"
The fields of this pathname with :case :common are:

Host : "LOG2"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF" "SUBDIR")
Name : "NAME"
Type : NIL
Version : NIL

Logical-Pathname EXPECTED = #P"LOG2:ABC;DEF;SUBDIR;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG2:ABC;DEF;SUBDIR;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG2"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF" "SUBDIR")
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/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 : NIL
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" :WILD "xyz")
Name : :WILD
Type : :WILD
Version : NIL

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

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

Version : NIL

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

 "TRANSLATE-PATHNAME: replacement pieces (\"abc\" \"def\" \"name\" \"typ\" NIL) do not fit into
 #P\"/tmp/log3/uvw/*/xyz/*.*\"
")

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 : NIL
    Device : NIL
    Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "xyz")
    Name : "name"
    Type : "typ"
    Version : NIL
The fields of this pathname with :case :common are:

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

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

10.2 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 : NIL
    Device : NIL
    Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
    Name : :WILD
    Type : :WILD
    Version : NIL
The fields of this pathname with :case :common are:

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

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

 "TRANSLATE-PATHNAME: replacement pieces (\"name\" \"typ\" NIL) do not fit into
 #P\"/tmp/log3/**/*.*\""
")

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 : NIL
    Device : NIL
    Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
    Name : "name"
    Type : "typ"
    Version : NIL
The fields of this pathname with :case :common are:

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

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

10.3 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 : NIL
        Device : NIL
        Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
        Name : :WILD
        Type : :WILD
        Version : NIL
The fields of this pathname with :case :common are:

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

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

        Host : NIL
        Device : NIL
        Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
        Name : "typ"
        Type : NIL
        Version : NIL
The fields of this pathname with :case :common are:

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

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

Version : NIL

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

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

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

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

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

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

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

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

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

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

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

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

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

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

11   Checking Translations from physical pathname to logical pathname