

# check-pathnames of SBCL (1.0.19-gentoo)

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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/**/*.*")
        (#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 SBCL (1.0.19-gentoo) on Linux, the customary case for the file system of the host #<SB-IMPL::UNIX-HOST {1000224C01}> of the pathname "/tmp/name.type" seems to be lower case. Which was expected.

```
*FEATURES* = (:SB-THREAD :ANSI-CL :COMMON-LISP :SBCL :SB-DOC :SB-PACKAGE-LOCKS
              :SB-UNICODE :SB-EVAL :SB-SOURCE-LOCATIONS :IEEE-FLOATING-POINT
              :X86-64 :UNIX :ELF :LINUX :GENCGC
              :STACK-GROWS-DOWNWARD-NOT-UPWARD :C-STACK-IS-CONTROL-STACK
              :LINKAGE-TABLE :COMPARE-AND-SWAP-VOPS
              :UNWIND-TO-FRAME-AND-CALL-VOP :RAW-INSTANCE-INIT-VOPS
              :STACK-ALLOCATABLE-CLOSURES :ALIEN-CALLBACKS :CYCLE-COUNTER
              :OS-PROVIDES-DLOPEN :OS-PROVIDES-PUTWC
              :OS-PROVIDES-SUSECONDS-T)
```

### 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 : #<SB-KERNEL:LOGICAL-HOST "LOGICAL">
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "DIR" "SUBDIR")
Name : "NAME"
Type : "TYPE"
Version : :NEWEST
```

## 4.1 Check LOGICAL-HOST-MUST-BE-A-STRING

Failed assertion:

```
(TYPEP (PATHNAME-HOST PATH :CASE :COMMON) 'STRING)
LEFT ARGUMENT = (PATHNAME-HOST PATH :CASE :COMMON) =
#<SB-KERNEL:LOGICAL-HOST "LOGICAL">
RIGHT ARGUMENT = 'STRING =
STRING
```

Function PATHNAME-HOST, PATHNAME-DEVICE, PATHNAME-DIRECTORY, PATHNAME-NAME, PATHNAME-TYPE, PATHNAME-VERSION

pathname-host pathname &key case => host

host---a valid pathname host.

valid logical pathname host n. a string that has been defined as the name of a logical host. See the function load-logical-pathname-translations.

## 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 : #<SB-KERNEL:LOGICAL-HOST "LOGICAL">
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "DIR" "SUBDIR")
Name : "NAME"
Type : "TYPE"
Version : :NEWEST
```

### 5.1 Check LOGICAL-HOST-MUST-BE-A-STRING

Failed assertion:

```
(TYPEP (PATHNAME-HOST PATH :CASE :COMMON) 'STRING)
LEFT ARGUMENT = (PATHNAME-HOST PATH :CASE :COMMON) =
#<SB-KERNEL:LOGICAL-HOST "LOGICAL">
RIGHT ARGUMENT = 'STRING =
```

STRING

Function PATHNAME-HOST, PATHNAME-DEVICE, PATHNAME-DIRECTORY, PATHNAME-NAME, PATHNAME-TYPE, PATHNAME-VERSION

pathname-host pathname &key case => host

host---a valid pathname host.

valid logical pathname host n. a string that has been defined as the name of a logical host. See the function load-logical-pathname-translations.

## 6 Logical Pathname Construction Checks

## 7 Logical Pathname Translation Checks

### 7.1 Check SHARP-P-VS-TRANSLATE-LOGICAL-PATHNAME

Failed assertion:

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

```
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 : #<SB-KERNEL:LOGICAL-HOST \"LOGICAL\">
```

```
Device : :UNSPECIFIC
```

```
Directory : (:ABSOLUTE \"DIR\" \"SUBDIR\")
```

```
Name : \"NAME\"
```

```
Type : \"TYPE\"
```

```
Version : :NEWEST
```

Pathname components from SOURCE and FROM args to TRANSLATE-PATHNAME did not match:  
:NEWEST NIL

```
(LOGICAL-PATHNAME-TRANSLATIONS \"LOGICAL\") = ((#P\"LOGICAL:*.*.\"
```

```
    #P\"/tmp/**/*.*\"
```

```
    (#P\"LOGICAL:*.*.\" #P\"/tmp/**/*.*\"))
```

Function TRANSLATE-LOGICAL-PATHNAME

Pathname is first coerced to a pathname. If the coerced pathname is a physical pathname, it is returned. If the coerced pathname is a logical pathname, the first matching translation (according to pathname-match-p) of the logical pathname host is applied, as if by calling translate-pathname. If the result is a logical pathname, this process is repeated. When the result is finally a physical pathname, it is returned. If no translation matches, an error is signaled.

and:

Function PATHNAME-MATCH-P pathname-match-p pathname wildcard => generalized-boolean

pathname-match-p returns true if pathname matches wildcard, otherwise nil. The matching rules are implementation-defined but should be consistent with directory. Missing components of wildcard default to :wild.

Therefore a wildcard of #P\"LOGICAL:\*.\*.\" should be equivalent to #P\"LOGICAL:\*.\*.\" and should match #P\"LOGICAL:DIR;SUBDIR;NAME.TYPE.NEWEST\".

and:

Function TRANSLATE-PATHNAME

The resulting pathname is to-wildcard with each wildcard or missing field replaced by a portion of source.

Therefore whether you consider nil or :wild in the to-wildcard, the :newer in the from-wildcard should match and replace it!

## 8 Unix Pathname Construction Checks

## 9 Checking Translations between logical pathnames

### 9.1 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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-HOST "LOG1">  
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"LOG1:NAME.TYP"  
The fields of this pathname with :case :common are:

```
Host : #<SB-KERNEL:LOGICAL-HOST "LOG1">  
Device : :UNSPECIFIC
```

Directory : (:ABSOLUTE)  
Name : "NAME"  
Type : "TYP"  
Version : NIL

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 : #<SB-KERNEL:LOGICAL-HOST "LOG1">  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "ABC" "DEF")  
Name : "NAME"  
Type : "TYP"  
Version : NIL

translate-pathname should work within the same logical host.

## 9.2 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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-HOST "LOG2">  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "UVW")  
Name : "XYZ"  
Type : :WILD  
Version : :WILD

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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>
```

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

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def" "xyz")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "def")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "def" "xyz")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>

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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "xyz")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)  
Name : :WILD  
Type : :WILD  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>

Device : :UNSPECIFIC

Directory : (:ABSOLUTE "tmp" "log3")

Name : "name"

Type : "typ"

Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>

Device : :UNSPECIFIC

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 : #<SB-IMPL::UNIX-HOST {1000224C01}>

Device : NIL

Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")

Name : "name"

Type : "typ"

Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>

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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)  
Name : :WILD  
Type : :WILD  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>

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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)  
Name : :WILD  
Type : :WILD  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "xyz")  
Name : :WILD  
Type : :WILD  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "xyz")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "xyz")  
Name : "name"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)  
Name : "eman"  
Type : :WILD  
Version : :NEWEST
```

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

```
Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "eman"  
Type : "typ"
```

Version : :NEWEST  
The fields of this pathname with :case :common are:  
Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "eman"  
Type : "typ"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-KERNEL:LOGICAL-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 : #<SB-KERNEL:LOGICAL-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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)  
Name : :WILD  
Type : "pyt"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "name"  
Type : "pyt"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : :UNSPECIFIC  
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 : #<SB-IMPL::UNIX-HOST {1000224C01}>  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "name"  
Type : "pyt"  
Version : :NEWEST

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

Host : #<SB-IMPL::UNIX-HOST {1000224C01}>  
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**