NAME

getconf – get configuration values

SYNOPSIS

getconf *system_var*
getconf *path_var pathname*

AVAILABILITY

SUNWcsu

DESCRIPTION

In the first synopsis form, the **getconf** utility will write to the standard output the value of the variable specified by *system_var*.

In the second synopsis form, **getconf** will write to the standard output the value of the variable specified by *path_var* for the path specified by *pathname*.

The value of each configuration variable will be determined as if it were obtained by calling the function from which it is defined to be available. The value will reflect conditions in the current operating environment.

OPERANDS

The following operands are supported:

path_var
A name of a configuration variable whose value is available from the **pathconf**(2) function. All of the values in the following table are supported and the implementation may add other local values:

LINK_MAX	**NAME_MAX**	**POSIX_CHOWN_RESTRICTED**
MAX_CANON	**PATH_MAX**	**POSIX_NO_TRUNC**
MAX_INPUT	**PIPE_BUF**	**POSIX_VDISABLE**

pathname
A path name for which the variable specified by *path_var* is to be determined.

system_var
A name of a configuration variable whose value is available from **confstr**(3C) or **sysconf**(3C). All of the values in the following table are supported and the implementation may add other local values:

ARG_MAX	**OPEN_MAX**	**_POSIX_PIPE_BUF**
BC_BASE_MAX	**POSIX2_BC_BASE_MAX**	**_POSIX_SAVED_IDS**
BC_DIM_MAX	**POSIX2_BC_DIM_MAX**	**_POSIX_SSIZE_MAX**
BC_SCALE_MAX	**POSIX2_BC_SCALE_MAX**	**_POSIX_STREAM_MAX**
BC_STRING_MAX	**POSIX2_BC_STRING_MAX**	**_POSIX_TZNAME_MAX**
CHARCLASS_NAME_MAX	**POSIX2_CHAR_TERM**	**_POSIX_VERSION**
CHAR_BIT	**POSIX2_COLL_WEIGHTS_MAX**	**RE_DUP_MAX**
CHAR_MAX	**POSIX2_C_BIND**	**SCHAR_MAX**
CHAR_MIN	**POSIX2_C_DEV**	**SCHAR_MIN**
CHILD_MAX	**POSIX2_C_VERSION**	**SHRT_MAX**
CLK_TCK	**POSIX2_EXPR_NEST_MAX**	**SHRT_MIN**
COLL_WEIGHTS_MAX	**POSIX2_FORT_DEV**	**SSIZE_MAX**
CS_PATH	**POSIX2_FORT_RUN**	**STREAM_MAX**
EXPR_NEST_MAX	**POSIX2_LINE_MAX**	**TMP_MAX**

INT_MAX	**POSIX2_LOCALEDEF**	**TZNAME_MAX**
INT_MIN	**POSIX2_RE_DUP_MAX**	**UCHAR_MAX**
LINE_MAX	**POSIX2_SW_DEV**	**UINT_MAX**
LONG_BIT	**POSIX2_UPE**	**ULONG_MAX**
LONG_MAX	**POSIX2_VERSION**	**USHRT_MAX**
LONG_MIN	**_POSIX_ARG_MAX**	**WORD_BIT**
MB_LEN_MAX	**_POSIX_CHILD_MAX**	**_XOPEN_CRYPT**
NGROUPS_MAX	**_POSIX_JOB_CONTROL**	**_XOPEN_ENH_I18N**
NL_ARGMAX	**_POSIX_LINK_MAX**	**_XOPEN_SHM**
NL_LANGMAX	**_POSIX_MAX_CANON**	**_XOPEN_VERSION**
NL_MSGMAX	**_POSIX_MAX_INPUT**	**_XOPEN_XCU_VERSION**
NL_NMAX	**_POSIX_NAME_MAX**	**_XOPEN_XPG2**
NL_SETMAX	**_POSIX_NGROUPS_MAX**	**_XOPEN_XPG3**
NL_TEXTMAX	**_POSIX_OPEN_MAX**	**_XOPEN_XPG4**
NZERO	**_POSIX_PATH_MAX**	

The symbol **PATH** also is recognized, yielding the same value as the **confstr( )** name value **CS_PATH**.

EXAMPLES

This example illustrates the value of {**NGROUPS_MAX**}:

```
getconf NGROUPS_MAX
```

This example illustrates the value of **NAME_MAX** for a specific directory:

```
getconf NAME_MAX /usr
```

This example shows how to deal more carefully with results that might be unspecified:

```
if value=$(getconf PATH_MAX /usr); then
        if [ "$value" = "undefined" ]; then
                echo PATH_MAX in /usr is infinite.
        else
                echo PATH_MAX in /usr is $value.
        fi
else
        echo Error in getconf.
fi
```

Note that:

```
sysconf(_SC_POSIX_C_BIND);
```

and:

```
system("getconf POSIX2_C_BIND");
```

in a C program could give different answers. The **sysconf** call supplies a value that corresponds to the conditions when the program was either compiled or executed, depending on the implementation; the **system** call to **getconf** always supplies a value corresponding to conditions when the program is executed.

ENVIRONMENT

See **environron**(5) for descriptions of the following environment variables that affect the execution of **getconf**: **LC_CTYPE**, **LC_MESSAGES**, and **NLSPATH**.

EXIT STATUS

The following exit values are returned:

0 The specified variable is valid and information about its current state was written successfully.

>0 An error occurred.

SEE ALSO

pathconf(2), **confstr**(3C), **sysconf**(3C), **environ**(5)