.TH LIBRARY 3 03/01/2020 library "Library Function"

.SH NAME

get\_tag() - library function that calls the system call get\_tag

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set\_tag() - library function that calls the system call set\_tag

.SH SYNOPSIS

get\_tag(int pid)

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set\_tag(int pid, int new\_tag)

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pid - integer process id of target process

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new\_tag - an uint32\_t tag value to be updated in the target process

.SH DESCRIPTION

get\_tag()

Invokes the system call which reads the tag of the process identified by pid. Returns the tag on success, and -$The get\_tag library function acts as a wrapper function for the system call get\_tag and returns the value that was obta$.PP

set\_tag()

Invokes system call which attempts to change the tag of the process identified by pid to the new tag value new\_$The set\_tag library function acts as a wrapper function for the system call set\_tag and returns the value that was obtained

.SH ERRORS

For any errors, any condition were to fail which it then would return -1.

Such cases include but not limited too:

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get\_tag()

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Inputting an invalid pid or new\_tag. The main checking occurs through the system call rather than in the system call

.SH NOTES

There are several contradictions within the guideline. The ruling outcome is as given:

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a) The library functions set\_tag and get\_tag should return the tag, not the level. That is, always return the whole tag..PP

b) The library functions at as wrappers for the system calls.

.SH SEE ALSO

get\_tag(2), retrieve\_get\_tag\_params(3), interpret\_get\_tag\_result(3)

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set\_tag(2), retrieve\_set\_tag\_params(3), interpret\_set\_tag\_result(3)

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