Rocky Enterprise Linux 9.2 Manual Pages on command 'atoll.3'

$ man atoll.3

ATOI(3)   Linux Programmer's Manual   ATOI(3)

NAME

    atoi, atol, atoll - convert a string to an integer

SYNOPSIS

    #include <stdlib.h>

    int atoi(const char *nptr);

    long atol(const char *nptr);

    long long atoll(const char *nptr);

  Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

    atoll():

       _ISOC99_SOURCE ||

          || /* Glibc versions <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE

DESCRIPTION

    The atoi() function converts the initial portion of the string pointed to by nptr to int.

    The behavior is the same as

       strtol(nptr, NULL, 10);

    except that atoi() does not detect errors.

    The atol() and atoll() functions behave the same as atoi(), except that they convert the

    initial portion of the string to their return type of long or long long.

RETURN VALUE

    The converted value or 0 on error.

ATTRIBUTES

    For an explanation of the terms used in this section, see attributes(7).

```
?????????????????????????????????????????????????????????????
?Interface            ? Attribute    ? Value        ?
?????????????????????????????????????????????????????????????
?atoi(), atol(), atoll() ? Thread safety ? MT-Safe locale ?
?????????????????????????????????????????????????????????????
```

CONFORMING TO

POSIX.1-2001, POSIX.1-2008, C99, SVr4, 4.3BSD. C89 and POSIX.1-1996 include the functions

atoi() and atol() only.

NOTES

POSIX.1 leaves the return value of atoi() on error unspecified. On glibc, musl libc, and

uClibc, 0 is returned on error.

BUGS

errno is not set on error so there is no way to distinguish between 0 as an error and as

the converted value. No checks for overflow or underflow are done.   Only base-10 input

can be converted. It is recommended to instead use the strtol() and strtoul() family of

functions in new programs.

SEE ALSO

atof(3), strtod(3), strtol(3), strtoul(3)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the

project, information about reporting bugs, and the latest version of this page, can be

found at https://www.kernel.org/doc/man-pages/.

GNU   2020-08-13   ATOI(3)