



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

C:\>man atoi.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.

ATTRIBUTES

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

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?Interface ? Attribute ? Value ?

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?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

Linux libc provided atoaq() as an obsolete name for atoll(); atoaq() is not provided by glibc.

SEE ALSO

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

COLOPHON

This page is part of release 5.05 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/>.