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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'strtoimax.3p' command**

**\$ man strtoimax.3p**

STRTOIMAX(3P)      POSIX Programmer's Manual      STRTOIMAX(3P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

strtoimax, strtoumax ? convert string to integer type

### SYNOPSIS

```
#include <inttypes.h>

intmax_t strtoimax(const char *restrict nptr, char **restrict endptr,
    int base);

uintmax_t strtoumax(const char *restrict nptr, char **restrict endptr,
    int base);
```

### DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

These functions shall be equivalent to the strtol(), strtoll(), strtoul(), and strtoull() functions, except that the initial portion of the string shall be converted to intmax\_t and uintmax\_t representation, respectively.

## RETURN VALUE

These functions shall return the converted value, if any.

If no conversion could be performed, zero shall be returned and `errno` may be set to `[EINVAL]`.

If the value of `base` is not supported, 0 shall be returned and `errno` shall be set to `[EINVAL]`.

If the correct value is outside the range of representable values, `{INTMAX_MAX}`, `{INTMAX_MIN}`, or `{UINTMAX_MAX}` shall be returned (according to the return type and sign of the value, if any), and `errno` shall be set to `[ERANGE]`.

## ERRORS

These functions shall fail if:

`EINVAL` The value of `base` is not supported.

`ERANGE` The value to be returned is not representable.

These functions may fail if:

`EINVAL` No conversion could be performed.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

Since the value of `*endptr` is unspecified if the value of `base` is not supported, applications should either ensure that `base` has a supported value (0 or between 2 and 36) before the call, or check for an `[EINVAL]` error before examining `*endptr`.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

`strtol()`, `strtoul()`

The Base Definitions volume of POSIX.1?2017, `<inttypes.h>`

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