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

### **\$ man getrusage.3p**

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

getrusage ? get information about resource utilization

### SYNOPSIS

```
#include <sys/resource.h>

int getrusage(int who, struct rusage *r_usage);
```

### DESCRIPTION

The getrusage() function shall provide measures of the resources used by the current process or its terminated and waited-for child processes. If the value of the who argument is RUSAGE\_SELF, information shall be returned about resources used by the current process. If the value of the who argument is RUSAGE\_CHILDREN, information shall be returned about resources used by the terminated and waited-for children of the current process. If the child is never waited for (for example, if the parent has SA\_NOCLDWAIT set or sets SIGCHLD to SIG\_IGN), the resource information for the child process is discarded and not included in the resource information provided by getrusage().

The r\_usage argument is a pointer to an object of type struct rusage in

which the returned information is stored.

## RETURN VALUE

Upon successful completion, `getrusage()` shall return 0; otherwise, -1 shall be returned and `errno` set to indicate the error.

## ERRORS

The `getrusage()` function shall fail if:

`EINVAL` The value of the `who` argument is not valid.

The following sections are informative.

## EXAMPLES

Using `getrusage()`

The following example returns information about the resources used by the current process.

```
#include <sys/resource.h>

...

int who = RUSAGE_SELF;

struct rusage usage;

int ret;

ret = getrusage(who, &usage);
```

## APPLICATION USAGE

None.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

`exit()`, `sigaction()`, `time()`, `times()`, `wait()`

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

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