

rlimit egg

Setting resource limits
Extension for Chicken Scheme
Version 1.0

felix

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1 About this egg

1.1 Version history

1.0 Initial release

1.2 Usage

Load this egg like so:

```
(require-extension rlimit)
```

2 Documentation

`rlimit` [procedure]

`(rlimit RESOURCE [HARD?])`

Returns the current limit for the resource `RESOURCE`, which should be one of the resource-identifiers listed below. By default the soft limit is returned, but if `HARD?` is given and true, the current hard limit is returned. See the `getrlimit(2)` man page for more information.

Note that if no limit is set, `+inf.` (infinity) will be returned.

Here is a list of available resources. Some resource types may not be available on every platform.

<code>rlimit/core</code>	core file size
<code>rlimit/cpu</code>	CPU time limit in seconds
<code>rlimit/data</code>	maximum size of data segment
<code>rlimit/fsize</code>	maximum size of created files
<code>rlimit/locks</code>	maximum number of file locks and fcntl leases
<code>rlimit/memlock</code>	maximum size of locked vm memory
<code>rlimit/nofile</code>	maximum file-descriptor
<code>rlimit/ofile</code>	equivalent to <code>rlimit/nofile</code>
<code>rlimit/nproc</code>	maximum number of created processes
<code>rlimit/rss</code>	limit in pages for resident set size
<code>rlimit/stack</code>	maximum stack size
<code>rlimit/vmem</code>	maximum virtual memory size

`set!` [setter]

`(set! (rlimit RESOURCE [HARD?]) VALUE)`

Sets the soft or hard resource limit. A value of `+inf.` disables the limit completely. A value of false is equivalent to zero.

3 License

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