

# **1 Apache::Resource - Limit resources used by httpd children**

## 1.1 Synopsis

```
PerlModule Apache::Resource
#set child memory limit in megabytes
#default is 64 Meg
PerlSetEnv PERL_RLIMIT_DATA 32:48

#linux does not honor RLIMIT_DATA
#RLIMIT_AS (address space) will work to limit the size of a process
PerlSetEnv PERL_RLIMIT_AS 32:48

#set child cpu limit in seconds
#default is 360 seconds
PerlSetEnv PERL_RLIMIT_CPU 120

PerlChildInitHandler Apache::Resource
```

## 1.2 Description

`Apache::Resource` uses the `BSD::Resource` module, which uses the C function `setrlimit` to set limits on system resources such as memory and cpu usage.

Any `RLIMIT` operation available to limit on your system can be set by defining that operation as an environment variable with a `PERL_` prefix. See your system `setrlimit` manpage for available resources which can be limited.

The following limit values are in megabytes: `DATA`, `RSS`, `STACK`, `FSIZE`, `CORE`, `MEMLOCK`; all others are treated as their natural unit.

If the value of the variable is of the form `S:H`, `S` is treated as the soft limit, and `H` is the hard limit. If it is just a single number, it is used for both soft and hard limits.

## 1.3 Defaults

To set reasonable defaults for all `RLIMIT`s, add this to your `httpd.conf`:

```
PerlSetEnv PERL_RLIMIT_DEFAULTS On
PerlModule Apache::Resource
```

## 1.4 Maintainers

Maintainer is the person(s) you should contact with updates, corrections and patches.

- **The documentation mailing list**

## 1.5 Authors

- **Doug MacEachern**

Only the major authors are listed above. For contributors see the Changes file.

## 1.6 SEE ALSO

BSD::Resource, setrlimit(2)



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