

# **1 MPMs - Multi-Processing Model Modules**

## 1.1 Description

Discover what are the available MPMs and how they work with mod\_perl.

META: This doc is under construction. Owners are wanted. -- pgollucci volunteering

## 1.2 MPMs Overview

## 1.3 The Worker MPM

META: incomplete

You can test whether running under threaded env via: ?

```
#ifdef USE_ITHREADS
/* whatever */
#endif
```

When the server is running under the threaded mpm `scfg->threaded_mpm` is set to true.

Caveats:

All per-server data is shared between threads, regardless of locking, changing the value of something like `ap_document_root` changes it for all threads. Not just the current process/request, the way it was in 1.3. So we can't really support modification of things like `ap_document_root` at request time, unless the mpm is prefork. we could support modification of modperl per-server data by using `r->request_config` in the same way `push_handlers` et al is implemented. But it is not possible to use this approach for anything outside of modperl (`ap_document_root` for example).

## 1.4 The Prefork MPM

META: incomplete

## 1.5 The Event MPM

## 1.6 Maintainers

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

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