

# 1 Preparing mod\_perl modules for CPAN

## 1.1 Description

This document provides information for CPAN modules developers whose modules require `mod_perl`.

## 1.2 Defining Makefile.PL Prerequisites that Require `mod_perl`

If there are any prerequisites that need to be defined in *Makefile.PL*, but require a `mod_perl` environment to successfully get loaded, the following workaround can be used. The following example will specify two prerequisites: `CGI.pm` and `Apache::DBI`, the latter can be loaded only under `mod_perl` whereas the former can be loaded from the command line.

```
file:Makefile.PL
-----
use ExtUtils::MakeMaker;

# set prerequisites
my %prereq = (
    'CGI' => 2.71,
);

# Manually test whether Apache::DBI is installed and add it to the
# PREREQ_PM if it's not installed, so CPAN.pm will automatically fetch
# it. If Apache::DBI is already installed it will fail to get loaded by
# MakeMaker because it requires the mod_perl environment to load.
eval { require Apache::DBI };
if ($@ && $@ !~ /Can't locate object method/) {
    $prereq{'Apache::DBI'} = 0.87;
}

WriteMakefile(
    NAME          => 'Apache::SuperDuper',
    VERSION_FROM  => 'SuperDuper.pm',
    PREREQ_PM     => \%prereq,
    # ... the rest
);
```

Notice that *Can't locate object method* is a part of the error generated when `Apache::DBI` is installed but is attempted to be loaded outside of `mod_perl`, e.g. at the command line, which is the case with *Makefile.PL*.

## 1.3 Writing the Test Suite

The `Apache::Test` framework provides an easy way to test modules which require `mod_perl` (or `Apache` in general), be it 1.0 or 2.0 generation. Here is the complete guide to the `Apache::Test` framework.

## 1.4 Maintainers

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

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## 1.5 Authors

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



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