

1 Apache::RegistryLoader - Compile Apache::Registry scripts at server startup

1.1 Synopsis

```
#in your Perl Startup script:

use Apache::RegistryLoader ();

my $r = Apache::RegistryLoader->new;

$r->handler($uri, $filename);

$r->handler($uri, $filename, $virtual_hostname);
```

1.2 Description

This module allows compilation of `Apache::Registry` scripts at server startup.

The script's handler routine is compiled by the parent server, of which children get a copy. The `Apache::RegistryLoader` handler method takes arguments of `uri` and the `filename`. URI to filename translation normally doesn't happen until HTTP request time, so we're forced to roll our own translation.

If `filename` is omitted and a `trans` routine was not defined, the loader will try using the `uri` relative to `ServerRoot`. Example:

```
#in httpd.conf
ServerRoot /opt/www/apache
Alias /perl/ /opt/www/apache/perl

#in startup.pl
use Apache::RegistryLoader ();

#/opt/www/apache/perl/test.pl
#is the script loaded from disk here:
Apache::RegistryLoader->new->handler("/perl/test.pl");
```

To make the loader smarter about the `uri->filename` translation, you may provide the new method with a `trans` function to translate the `uri` to `filename`.

The following example will pre-load all files ending with `.pl` in the `perl-scripts/` directory relative to `ServerRoot`. The example code assumes the Location URI `/perl` is an `Alias` to this directory.

```
{
    use Cwd ();
    use Apache::RegistryLoader ();
    use DirHandle ();
    use strict;

    my $dir = Apache->server_root_relative("perl-scripts/");

    my $rl = Apache::RegistryLoader->new(trans => sub {
        my $uri = shift;
        $uri =~ s:^(perl/|perl-scripts/);
```

```
        return Apache->server_root_relative($uri);
    });

    my $dh = DirHandle->new($dir) or die $!;

    for my $file ($dh->read) {
        next unless $file =~ /\.pl$/;
        $rl->handler("/perl/$file");
    }
}
```

1.3 Maintainers

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

- **The documentation mailing list**

1.4 Authors

- **Doug MacEachern**
- **Stas Bekman (Rewrote the `handler()` to report and handle all the possible erroneous conditions).**

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

1.5 See Also

Apache::Registry, Apache, mod_perl

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