1 Apache::Constants - Constants defined in apache header files
1.1 Synopsis

use Apache::Constants;
use Apache::Constants ':common';
use Apache::Constants ':response';

1.2 Description

Server constants used by apache modules are defined in httpd.h and other header files, this module gives Perl access to those constants.

1.3 Export Tags

- **common**
  This tag imports the most commonly used constants.
  
  OK
  DECLINED
  DONE
  NOT_FOUND
  FORBIDDEN
  AUTH_REQUIRED
  SERVER_ERROR

- **response**
  This tag imports the common response codes, plus these response codes:
  
  DOCUMENT_FOLLOWS
  MOVED
  REDIRECT
  USE_LOCAL_COPY
  BAD_REQUEST
  BAD_GATEWAY
  RESPONSE_CODES
  NOT_IMPLEMENTED
  CONTINUE
  NOT_AUTHORITATIVE
  
  CONTINUE and NOT_AUTHORITATIVE are aliases for DECLINED.

- **methods**
  This are the method numbers, commonly used with the Apache method_number method.
  
  METHODS
  M_CONNECT
  M_DELETE
  M_GET
  M_INVALID
M_OPTIONS
M_POST
M_PUT
M_TRACE
M_PATCH
M_PROPFIND
M_PROPPATCH
M_MKCOL
M_COPY
M_MOVE
M_LOCK
M_UNLOCK

● **options**

These constants are most commonly used with the Apache `allow_options` method:

OPT_NONE
OPT_INDEXES
OPT_INCLUDES
OPT_SYM_LINKS
OPT_EXECCGI
OPT_UNSET
OPT_INCNONEEXEC
OPT_SYM_OWNER
OPT_MULTI
OPT_ALL

● **satisfy**

These constants are most commonly used with the Apache `satisfies` method:

SATISFY_ALL
SATISFY_ANY
SATISFY_NOSPEC

● **remotehost**

These constants are most commonly used with the Apache `get_remote_host` method:

REMOTE_HOST
REMOTE_NAME
REMOTE_NOLOOKUP
REMOTE_DOUBLE_REV

● **http**

This is the full set of HTTP response codes: (NOTE: not all implemented here)

HTTP_OK
HTTPMOVED_TEMPORARILY
HTTPMOVED_PERMANENTLY
HTTPMETHOD_NOT_ALLOWED
HTTPNOT_MODIFIED
HTTPUNAUTHORIZED
HTTPFORBIDDEN
• server

These are constants related to server version:

MODULE_MAGIC_NUMBER
SERVER_VERSION
SERVER_BUILT

• config

These are constants related to configuration directives:

DECLINE_CMD

• types

These are constants related to internal request types:

DIR_MAGIC_TYPE

• override

These constants are used to control and test the context of configuration directives.

OR_NONE
OR_LIMIT
OR_OPTIONS
OR_FILEINFO
OR_AUTHCFG
OR_INDEXES
OR_UNSET
OR_ALL
ACCESS_CONF
RSRC_CONF

• args_how
1.4 Warnings

You should be aware of the issues relating to using constant subroutines in Perl. For example, look at this example:

```
$r->custom_response(FORBIDDEN => "File size exceeds quota.");
```

This will not set a custom response for FORBIDDEN, but for the string "FORBIDDEN", which clearly isn’t what is expected. You’ll get an error like this:

```
[Tue Apr 23 19:46:14 2002] null: Argument "FORBIDDEN" isn’t numeric in subroutine entry at ...
```

Therefore, you can avoid this by not using the hash notation for things that don’t require it.

```
$r->custom_response(FORBIDDEN, "File size exceeds quota.");
```

Another important note is that you should be using the correct constants defined here, and not direct HTTP codes. For example:

```
sub handler {
    return 200;
}
```

Is not correct. The correct use is:

```
use Apache::Constants qw(OK);
sub handler {
    return OK;
}
```

Also remember that OK != HTTP_OK.

1.5 Maintainers

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

1.6 Authors

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