

# **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_INCNOEXEC
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
HTTP_MOVED_TEMPORARILY
HTTP_MOVED_PERMANENTLY
HTTP_METHOD_NOT_ALLOWED
HTTP_NOT_MODIFIED
HTTP_UNAUTHORIZED
HTTP_FORBIDDEN
```

```
HTTP_NOT_FOUND
HTTP_BAD_REQUEST
HTTP_INTERNAL_SERVER_ERROR
HTTP_NOT_ACCEPTABLE
HTTP_NO_CONTENT
HTTP_PRECONDITION_FAILED
HTTP_SERVICE_UNAVAILABLE
HTTP_VARIANT_ALSO_VARIES
```

- **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**

```
RAW_ARGS
TAKE1
TAKE2
TAKE12
TAKE3
TAKE23
TAKE123
ITERATE
ITERATE2
FLAG
NO_ARGS
```

## 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**

- **Doug MacEachern**
- **Gisle Aas**
- **h2xs**

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

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