



Constant	Description
INPUT_POST	POST variables
INPUT_GET	GET variables
INPUT_COOKIE	COOKIE variables
INPUT_ENV	ENV variables
INPUT_SERVER	SERVER variables
FILTER_DEFAULT	Do nothing, optionally strip/encode special characters. Equivalent to FILTER_UNSAFE_RAW
FILTER_FLAG_NONE	Allows no flags
FILTER_FLAG_ALLOW_OCTAL	Only for inputs that starts with a zero (0) as octal numbers. This only allows the succeeding digits to be 0-7
FILTER_FLAG_ALLOW_HEX	Only for inputs that starts with 0x/0X as hexadecimal numbers. This only allows succeeding characters to be a-fA-F0-9
FILTER_FLAG_STRIP_LOW	Strip characters with ASCII value lower than 32
FILTER_FLAG_STRIP_HIGH	Strip characters with ASCII value greater than 127
FILTER_FLAG_ENCODE_LOW	Encode characters with ASCII value lower than 32
FILTER_FLAG_ENCODE_HIGH	Encode characters with ASCII value greater than 127
FILTER_FLAG_ENCODE_AMP	Encode &
FILTER_FLAG_NO_ENCODE_QUOTES	Do not encode ' and "
FILTER_FLAG_EMPTY_STRING_NULL	Not in use
FILTER_FLAG_ALLOW_FRACTION	Allows a period (.) as a fractional separator in numbers
FILTER_FLAG_ALLOW_THOUSAND	Allows a comma (,) as a thousands separator in numbers
FILTER_FLAG_ALLOW_SCIENTIFIC	Allows an e or E for scientific notation in numbers
FILTER_FLAG_PATH_REQUIRED	The URL must contain a path part
FILTER_FLAG_QUERY_REQUIRED	The URL must contain a query string
FILTER_FLAG_IPV4	Allows the IP address to be in IPv4 format
FILTER_FLAG_IPV6	Allows the IP address to be in IPv6 format
FILTER_FLAG_NO_RES_RANGE	Fails validation for the reserved IPv4 ranges: 0.0.0.0/8, 169.254.0.0/16, 127.0.0.0/8 and 240.0.0.0/4, and for the reserved IPv6 ranges: ::1/128, ::/128, ::ffff:0:0/96 and fe80::/10
FILTER_FLAG_NO_PRIV_RANGE	Fails validation for the private IPv4 ranges: 10.0.0.0/8, 172.16.0.0/12 and 192.168.0.0/16, and for the IPv6 addresses starting with FD or FC
FILTER_FLAG_EMAIL_UNICODE	Allows the local part of the email address to contain Unicode characters
FILTER_REQUIRE_SCALAR	The value must be a scalar
FILTER_REQUIRE_ARRAY	The value must be an array
FILTER_FORCE_ARRAY	Treats a scalar value as array with the scalar value as only element
FILTER_NULL_ON_FAILURE	Return NULL on failure for unrecognized boolean values
FILTER_VALIDATE_BOOLEAN	Validates a boolean
FILTER_VALIDATE_EMAIL	Validates value as a valid e-mail address
FILTER_VALIDATE_FLOAT	Validates value as float
FILTER_VALIDATE_INT	Validates value as integer
FILTER_VALIDATE_IP	Validates value as IP address
FILTER_VALIDATE_MAC	Validates value as MAC address
FILTER_VALIDATE_REGEXP	Validates value against a regular expression
FILTER_VALIDATE_URL	Validates value as URL
FILTER_SANITIZE_EMAIL	Removes all illegal characters from an e-mail address
FILTER_SANITIZE_ENCODED	Removes/Encodes special characters
FILTER_SANITIZE_MAGIC_QUOTES	Apply addslashes()
FILTER_SANITIZE_NUMBER_FLOAT	Remove all characters, except digits, +- signs, and optionally .,e
FILTER_SANITIZE_NUMBER_INT	Removes all characters except digits and + - signs
FILTER_SANITIZE_SPECIAL_CHARS	Removes special characters
FILTER_SANITIZE_STRING	Removes tags/special characters from a string
FILTER_SANITIZE_STRIPPED	Alias of FILTER_SANITIZE_STRING
FILTER_SANITIZE_URL	Removes all illegal character from a URL
FILTER_UNSAFE_RAW	Do nothing, optionally strip/encode special characters
FILTER_CALLBACK	Call a user-defined function to filter data

PHP Filter Introduction

This PHP filters is used to validate and filter data coming from insecure sources, like user input.

Installation

From PHP 5.2.0, the filter functions are enabled by default. There is no installation needed.

Runtime Configurations

The behavior of these functions is affected by settings in php.ini:

Name	Description	Default
filter.default	Filter all \$_GET, \$_POST, \$_COOKIE, \$_REQUEST and \$_SERVER data by this filter. Accepts the name of the filter you like to use by default. See the filter list for the list of the filter names	"unsafe_raw"
filter.default_flags	Default flags to apply when the default filter is set. This is set to FILTER_FLAG_NO_ENCODE_QUOTES by default for backwards compatibility reasons	NULL

PHP Filter Functions

Function	Description
filter_has_var()	Checks whether a variable of a specified input type exist
filter_id()	Returns the filter ID of a specified filter name
filter_input()	Gets an external variable (e.g. from form input) and optionally filters it
filter_input_array()	Gets external variables (e.g. from form input) and optionally filters them
filter_list()	Returns a list of all supported filter names
filter_var()	Filters a variable with a specified filter
filter_var_array()	Gets multiple variables and filter them