

## NAME

Log::Message::Simple

## SYNOPSIS

```
use Log::Message::Simple qw[msg error debug
                           carp croak cluck confess];

use Log::Message::Simple qw[:STD :CARP];

### standard reporting functionality
msg(    "Connecting to database",          $verbose );
error(  "Database connection failed: $@",  $verbose );
debug(  "Connection arguments were: $args", $debug );

### standard carp functionality
carp(   "Wrong arguments passed: @_ " );
croak(  "Fatal: wrong arguments passed: @_ " );
cluck(  "Wrong arguments passed -- including stacktrace: @_ " );
confess("Fatal: wrong arguments passed -- including stacktrace: @_ " );

### retrieve individual message
my @stack = Log::Message::Simple->stack;
my @stack = Log::Message::Simple->flush;

### retrieve the entire stack in printable form
my $msgs  = Log::Message::Simple->stack_as_string;
my $trace = Log::Message::Simple->stack_as_string(1);

### redirect output
local $Log::Message::Simple::MSG_FH      = \*STDERR;
local $Log::Message::Simple::ERROR_FH   = \*STDERR;
local $Log::Message::Simple::DEBUG_FH   = \*STDERR;

### force a stacktrace on error
local $Log::Message::Simple::STACKTRACE_ON_ERROR = 1
```

## DESCRIPTION

This module provides standardized logging facilities using the Log::Message module.

## FUNCTIONS

### msg("message string" [,VERBOSE])

Records a message on the stack, and prints it to STDOUT (or actually \$MSG\_FH, see the GLOBAL VARIABLES section below), if the VERBOSE option is true. The VERBOSE option defaults to false.

Exported by default, or using the :STD tag.

### debug("message string" [,VERBOSE])

Records a debug message on the stack, and prints it to STDOUT (or actually \$DEBUG\_FH, see the GLOBAL VARIABLES section below), if the VERBOSE option is true. The VERBOSE option defaults to false.

Exported by default, or using the :STD tag.

**error("error string" [,VERBOSE])**

Records an error on the stack, and prints it to `STDERR` (or actually `$ERROR_FH`, see the `GLOBAL VARIABLES` sections below), if the `VERBOSE` option is true. The `VERBOSE` options defaults to true.

Exported by default, or using the `:STD` tag.

**carp();**

Provides functionality equal to `Carp::carp()` while still logging to the stack.

Exported by using the `:CARP` tag.

**croak();**

Provides functionality equal to `Carp::croak()` while still logging to the stack.

Exported by using the `:CARP` tag.

**confess();**

Provides functionality equal to `Carp::confess()` while still logging to the stack.

Exported by using the `:CARP` tag.

**cluck();**

Provides functionality equal to `Carp::cluck()` while still logging to the stack.

Exported by using the `:CARP` tag.

**CLASS METHODS****Log::Message::Simple->stack()**

Retrieves all the items on the stack. Since `Log::Message::Simple` is implemented using `Log::Message`, consult its manpage for the function `retrieve` to see what is returned and how to use the items.

**Log::Message::Simple->stack\_as\_string([TRACE])**

Returns the whole stack as a printable string. If the `TRACE` option is true all items are returned with `Carp::longmess` output, rather than just the message. `TRACE` defaults to false.

**Log::Message::Simple->flush()**

Removes all the items from the stack and returns them. Since `Log::Message::Simple` is implemented using `Log::Message`, consult its manpage for the function `retrieve` to see what is returned and how to use the items.

**GLOBAL VARIABLES****\$ERROR\_FH**

This is the filehandle all the messages sent to `error()` are being printed. This defaults to `*STDERR`.

**\$MSG\_FH**

This is the filehandle all the messages sent to `msg()` are being printed. This default to `*STDOUT`.

**\$DEBUG\_FH**

This is the filehandle all the messages sent to `debug()` are being printed. This default to `*STDOUT`.

**\$STACKTRACE\_ON\_ERROR**

If this option is set to `true`, every call to `error()` will generate a stacktrace using `Carp::shortmess()`. Defaults to `false`

