

MCVE (Monetra) Payment

Introduction

These functions interface the MCVE (Monetra) API (libmonetra, formerly known as libmcve), allowing you to work directly with MCVE/Monetra from your PHP scripts. MCVE/Monetra is Main Street Softworks' solution to direct credit/debit/gift card processing for Linux/Unix/MacOSX/Windows (» <http://www.mainstreetsoftworks.com/>). It lets you directly address the credit card clearing houses via your *nix box, modem and/or internet connection (bypassing the need for an additional service such as Authorize.Net or Pay Flow Pro). Using the MCVE/Monetra module for PHP, you can process credit cards directly through MCVE/Monetra via your PHP scripts. The following references will outline the process.

Note
MCVE/Monetra is the replacement for RedHat's CCVS. They contracted with RedHat in late 2001 to migrate all existing clientele to the MCVE platform.

Note
This extension has been moved to the » PECL repository and is no longer bundled with PHP as of PHP 5.1.0.

Note
This extension is not available on Windows platforms.

Installing/Configuring

Requirements

No external libraries are needed to build this extension.

Installation

To enable MCVE (Monetra) Support in PHP, first verify your LibMonetra (formerly libmcve) installation directory. If you are compiling MCVE/Monetra support directly into PHP, you will then need to configure PHP with the `--with-mcve` option. If you use this option without specifying the path to your libmonetra installation, PHP will attempt to look in the default LibMonetra Install location (`/usr/local`). If Monetra (MCVE) is in a non-standard location, run configure with: `--with-mcve=$mcve_path`, where `$mcve_path` is the path to your MCVE/Monetra installation. Please note that MCVE/Monetra support requires that `$mcve_path/lib` and `$mcve_path/include` exist, and include `mcve.h` or `monetra.h` under the include directory and `libmcve.so` and/or `libmcve.a` and/or `libmonetra.so` and/or `libmonetra.a` under the lib directory.

If you want to install MCVE/Monetra support as a module, you can do so by using the PECL repository, and issuing the 'pecl install mcve' command if you are running a PEAR version of at least 1.4.0.

Since MCVE/Monetra has true server/client separation, there are no additional requirements for running PHP with MCVE support. To test your MCVE/Monetra extension in PHP, you may connect to `testbox.monetra.com` on port 8333 for IP, or port 8444 for SSL using the MCVE/Monetra PHP API. Use 'vitale' for your username, and 'test' for your password. Additional information about test facilities are available at [» http://www.mainstreetsoftworks.com/](http://www.mainstreetsoftworks.com/).

Runtime Configuration

This extension has no configuration directives defined in `php.ini`.

Resource Types

This extension defines a MCVE_CONN resource returned by [m_initconn\(\)](#).

Predefined Constants

The constants below are defined by this extension, and will only be available when the extension has either been compiled into PHP or dynamically loaded at runtime.

M_PENDING ([integer](#))

M_DONE ([integer](#))

M_ERROR ([integer](#))

M_FAIL ([integer](#))

M_SUCCESS ([integer](#))

MCVE Functions

See Also

Additional documentation about MCVE/Monetra's PHP API can be found at » <http://www.mainstreetsoftworks.com/documentation.html>. Main Street's documentation is complete and should be the primary reference for functions.

m_checkstatus

m_checkstatus -- Check to see if a transaction has completed

Description

int **m_checkstatus** (resource \$conn, int \$identifier)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

Return Values

m_completeauthorizations

m_completeauthorizations -- Number of complete authorizations in queue, returning an array of their identifiers

Description

int **m_completeauthorizations** (resource \$conn, int &\$array)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

array

Its description

Return Values

What the function returns, first on success, then on failure. See also the &return.success; entity

m_connect

m_connect -- Establish the connection to MCVE

Description

int **m_connect** (resource \$conn)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

Return Values

m_connectionerror

m_connectionerror -- Get a textual representation of why a connection failed

Description

string **m_connectionerror** (resource \$conn)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

Return Values

m_deletetrans

m_deletetrans -- Delete specified transaction from MCVE_CONN structure

Description

bool **m_deletetrans** (resource \$conn, int \$identifier)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

Return Values

m_destroyconn

m_destroyconn -- Destroy the connection and MCVE_CONN structure

Description

bool **m_destroyconn** (resource \$conn)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

Return Values

Returns **TRUE**.

See Also

- [m_initconn\(\)](#)

m_destroyengine

m_destroyengine -- Free memory associated with IP/SSL connectivity

Description

`void m_destroyengine (void)`

Warning
This function is currently not documented; only its argument list is available.

Parameters

Return Values

No value is returned.

m_getcell

m_getcell -- Get a specific cell from a comma delimited response by column name

Description

string **m_getcell** (resource \$conn, int \$identifier, string \$column, int \$row)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

column

row

Return Values

m_getcellbynum

m_getcellbynum -- Get a specific cell from a comma delimited response by column number

Description

string **m_getcellbynum** (resource \$conn, int \$identifier, int \$column, int \$row)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

column

row

Return Values

m_getcommadelimited

m_getcommadelimited -- Get the RAW comma delimited data returned from MCVE

Description

string **m_getcommadelimited** (resource \$conn, int \$identifier)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

Return Values

m_getheader

m_getheader -- Get the name of the column in a comma-delimited response

Description

string **m_getheader** (resource \$conn, int \$identifier, int \$column_num)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

column_num

Return Values

m_initconn

m_initconn -- Create and initialize an MCVE_CONN structure

Description

resource **m_initconn** (void)

Warning
This function is currently not documented; only its argument list is available.

Return Values

Returns an MCVE_CONN resource.

See Also

- [m_destroyconn\(\)](#)

m_initengine

m_initengine -- Ready the client for IP/SSL Communication

Description

int **m_initengine** (string \$location)

Warning
This function is currently not documented; only its argument list is available.

Parameters

location

Return Values

m_iscommadelimited

m_iscommadelimited -- Checks to see if response is comma delimited

Description

int **m_iscommadelimited** (resource \$conn, int \$identifier)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

Return Values

m_maxconntimeout

m_maxconntimeout -- The maximum amount of time the API will attempt a connection to MCVE

Description

bool **m_maxconntimeout** (resource \$conn, int \$secs)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

secs

Return Values

m_monitor

m_monitor -- Perform communication with MCVE (send/receive data) Non-blocking

Description

int **m_monitor** (resource \$conn)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

Return Values

m_numcolumns

m_numcolumns -- Number of columns returned in a comma delimited response

Description

int **m_numcolumns** (resource \$conn, int \$identifier)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

Return Values

m_numrows

m_numrows -- Number of rows returned in a comma delimited response

Description

int **m_numrows** (resource \$conn, int \$identifier)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

Return Values

m_parsecommadelimited

m_parsecommadelimited -- Parse the comma delimited response so m_getcell, etc will work

Description

int **m_parsecommadelimited** (resource \$conn, int \$identifier)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

Return Values

m_responsekeys

m_responsekeys -- Returns array of strings which represents the keys that can be used for response parameters on this transaction

Description

array **m_responsekeys** (resource \$conn, int \$identifier)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

Return Values

m_responseparam

m_responseparam -- Get a custom response parameter

Description

string **m_responseparam** (resource \$conn, int \$identifier, string \$key)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

key

Return Values

m_returnstatus

m_returnstatus -- Check to see if the transaction was successful

Description

int **m_returnstatus** (resource \$conn, int \$identifier)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

Return Values

m_setblocking

m_setblocking -- Set blocking/non-blocking mode for connection

Description

int **m_setblocking** (resource \$conn, int \$tf)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

tf

Return Values

m_setdropfile

m_setdropfile -- Set the connection method to Drop-File

Description

int **m_setdropfile** (resource \$conn, string \$directory)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

directory

Return Values

m_setip

m_setip -- Set the connection method to IP

Description

int **m_setip** (resource \$conn, string \$host, int \$port)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

host

port

Return Values

m_setssl_cafile

m_setssl_cafile -- Set SSL CA (Certificate Authority) file for verification of server certificate

Description

int **m_setssl_cafile** (resource \$conn, string \$cafile)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

cafile

Return Values

m_setssl_files

m_setssl_files -- Set certificate key files and certificates if server requires client certificate verification

Description

int **m_setssl_files** (resource \$conn, string \$sslkeyfile, string \$sslcertfile)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

sslkeyfile

sslcertfile

Return Values

m_setssl

m_setssl -- Set the connection method to SSL

Description

int **m_setssl** (resource *\$conn*, string *\$host*, int *\$port*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

host

port

Return Values

m_settimeout

m_settimeout -- Set maximum transaction time (per trans)

Description

int **m_settimeout** (resource \$conn, int \$seconds)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

seconds

Return Values

m_sslcert_gen_hash

m_sslcert_gen_hash -- Generate hash for SSL client certificate verification

Description

string **m_sslcert_gen_hash** (string *\$filename*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

filename

Return Values

m_transactionssent

m_transactionssent -- Check to see if outgoing buffer is clear

Description

int **m_transactionssent** (resource \$conn)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

Return Values

m_transinqueue

m_transinqueue -- Number of transactions in client-queue

Description

int **m_transinqueue** (resource \$conn)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

Return Values

m_transkeyval

m_transkeyval -- Add key/value pair to a transaction. Replaces deprecated transparam()

Description

int **m_transkeyval** (resource \$conn, int \$identifier, string \$key, string \$value)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

key

value

Return Values

m_transnew

m_transnew -- Start a new transaction

Description

int **m_transnew** (resource \$conn)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

Return Values

m_transsend

m_transsend -- Finalize and send the transaction

Description

int **m_transsend** (resource \$conn, int \$identifier)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

identifier

Return Values

m_uwait

m_uwait -- Wait x microsecs

Description

int **m_uwait** (int \$microsecs)

Warning
This function is currently not documented; only its argument list is available.

Parameters

microsecs

Return Values

m_validateidentifier

m_validateidentifier -- Whether or not to validate the passed identifier on any transaction it is passed to

Description

int **m_validateidentifier** (resource \$conn, int \$tf)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

tf

Return Values

m_verifyconnection

m_verifyconnection -- Set whether or not to PING upon connect to verify connection

Description

bool **m_verifyconnection** (resource \$conn, int \$tf)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

tf

Return Values

m_verifysslcert

m_verifysslcert -- Set whether or not to verify the server ssl certificate

Description

bool **m_verifysslcert** (resource \$conn, int \$tf)

Warning
This function is currently not documented; only its argument list is available.

Parameters

conn

An MCVE_CONN resource returned by [m_initengine\(\)](#).

tf

Return Values