

**Name**

mariadb\_get\_info - retrieves generic or connection related information

**Synopsis**

```
#include <mysql.h>

int mariadb_get_info(MYSQL * mysql,
                    enum mariadb_value value,
                    void * arg,
                    ...);
```

**Description**

Retrieves generic or connection specific information. arg (and further arguments) must be a pointer to a variable of the type appropriate for the value argument. The following table shows which variable type to use for each value.

Variable Type	Values
unsigned int	MARIADB_CLIENT_VERSION_ID, MARIADB_CONNECTION_ASYNC_TIMEOUT, MARIADB_CONNECTION_ASYNC_TIMEOUT_MS, MARIADB_CONNECTION_ERROR_ID, MARIADB_CONNECTION_PORT, MARIADB_CONNECTION_PROTOCOL_VERSION_ID, MARIADB_CONNECTION_PVIO_TYPE, MARIADB_CONNECTION_SERVER_STATUS, MARIADB_CONNECTION_SERVER_VERSION_ID, MARIADB_CONNECTION_TLS_VERSION_ID
unsigned long	MARIADB_CONNECTION_CLIENT_CAPABILITIES, MARIADB_CONNECTION_EXTENDED_SERVER_CAPABILITIES, MARIADB_CONNECTION_SERVER_CAPABILITIES
size_t	MARIADB_MAX_ALLOWED_PACKET, MARIADB_NET_BUFFER_LENGTH
const char *	MARIADB_CLIENT_VERSION, MARIADB_TLS_VERSION, MARIADB_CONNECTION_ERROR, MARIADB_CONNECTION_HOST, MARIADB_CONNECTION_INFO,

	MARIADB_CONNECTION_SCHEMA,
	MARIADB_CONNECTION_SERVER_TYPE,
	MARIADB_CONNECTION_SERVER_VERSION,
	MARIADB_CONNECTION_SQLSTATE,
	MARIADB_CONNECTION_SSL_CIPHER,
	MARIADB_CONNECTION_TLS_VERSION,
	MARIADB_CONNECTION_UNIX_SOCKET,
	MARIADB_CONNECTION_USER,
const char	MARIADB_CLIENT_ERRORS
**	
const	MARIADB_CHARSET_NAME,
*MY_CHARSET_INFO	MARIADB_CONNECTION_CHARSET_INFO
my_socket	MARIADB_CONNECTION_SOCKET

## Value types

### Generic information

For these information types parameter `mysql` needs to be set to `NULL`.

#### ⊕ MARIADB\_CHARSET\_NAME

Retrieves the charset information for a character set by its literal representation.

#### ⊕ MARIADB\_CLIENT\_ERRORS

Retrieve array of client errors. This can be used in plugins to set global error messages (which are not exported by MariaDB Connector/C).

#### ⊕ MARIADB\_CLIENT\_VERSION

The client version in literal representation.

#### ⊕ MARIADB\_CLIENT\_VERSION\_ID

The client version in numeric format.

#### ⊕ MARIADB\_MAX\_ALLOWED\_PACKET

Retrieves value of maximum allowed packet size.

#### ⊕ MARIADB\_NET\_BUFFER\_LENGTH

Retrieves the length of net buffer.

#### ⊕ MARIADB\_SSL\_LIBRARY

The TLS library MariaDB Connector/C is compiled against.

**Connection related information**

For these information types parameter `mysql` must be represent a valid connection handle which was allocated by `mysql_init(3)`.

⊕ `MARIADB_CONNECTION_ASYNC_TIMEOUT`

Retrieves the timeout for non blocking calls in seconds.

⊕ `MARIADB_CONNECTION_ASYNC_TIMEOUT_MS`

Retrieves the timeout for non blocking calls in milliseconds.

⊕ `MARIADB_CONNECTION_CHARSET_INFO`

Retrieves character set information for given connection.

⊕ `MARIADB_CONNECTION_CLIENT_CAPABILITIES`

Returns the handshake capability flags] of the client.

⊕ `MARIADB_CONNECTION_ERROR`

Retrieves error message for last used command.

⊕ `MARIADB_CONNECTION_ERROR_ID`

Retrieves error number for last used command.

\*`MARIADB_CONNECTION_EXTENDED_SERVER_CAPABILITIES`

Returns the extended capability flags of the connected MariaDB server

⊕ `MARIADB_CONNECTION_HOST`

Returns host name of the connected MariaDB server

⊕ `MARIADB_CONNECTION_INFO`

Retrieves generic info for last used command.

⊕ `MARIADB_CONNECTION_PORT`

Retrieves the port number of server host.

⊕ `MARIADB_CONNECTION_PROTOCOL_VERSION_ID`

Retrieves the protocol version number.

⊕ `MARIADB_CONNECTION_PVIO_TYPE`

Retrieves the pvio plugin used for specified connection.

⊕ `MARIADB_CONNECTION_SCHEMA`

Retrieves the current schema.

⊕ MARIADB\_CONNECTION\_SERVER\_CAPABILITIES

Retrieves the capability flags of the connected server.

⊕ MARIADB\_CONNECTION\_SERVER\_STATUS

Returns server status after last operation.

⊕ MARIADB\_CONNECTION\_SERVER\_TYPE

Retrieves the type of the server.

⊕ MARIADB\_CONNECTION\_SERVER\_VERSION

Retrieves the server version in literal format.

⊕ MARIADB\_CONNECTION\_SERVER\_VERSION\_ID

Retrieves the server version in numeric format.

⊕ MARIADB\_CONNECTION\_SOCKET

Retrieves the handle (socket) for given connection.

⊕ MARIADB\_CONNECTION\_SQLSTATE

Retrieves current sqlstate information for last used command.

⊕ MARIADB\_CONNECTION\_SSL\_CIPHER

Retrieves the TLS/SSL cipher in use.

⊕ MARIADB\_CONNECTION\_TLS\_VERSION

Retrieves the TLS protocol version used in literal format.

⊕ MARIADB\_CONNECTION\_TLS\_VERSION\_ID

Retrieves the TLS protocol version used in numeric format.

⊕ MARIADB\_CONNECTION\_UNIX\_SOCKET

Retrieves the file name of the unix socket

⊕ MARIADB\_CONNECTION\_USER

Retrieves connection's user name.

### Returns

Returns zero on success, non zero if an error occurred (e.g. if an invalid option was specified),

**Source file****## History**

This function was added in MariaDB Connector/C 3.0,

**## Examples**

```
/* get server port for current connection / unsigned int port; mariadb_get_infov(mysql,  
MARIADB_CONNECTION_PORT, (void *)&port);
```

```
/* get user name for current connection / const char user; mariadb_get_infov(mysql,  
MARIADB_CONNECTION_USER, (void *)&user); ““ ## See also mysql_get_optionv(3)
```