

55. PHP 5 MySQLi Functions

55.1. PHP MySQLi Introduction

PHP MySQLi = PHP MySQL Improved!

The MySQLi functions allows you to access MySQL database servers.

Note: The MySQLi extension is designed to work with MySQL version 4.1.13 or newer.

55.2. Installation / Runtime Configuration

For the MySQLi functions to be available, you must compile PHP with support for the MySQLi extension.

The MySQLi extension was introduced with PHP version 5.0.0. The MySQL Native Driver was included in PHP version 5.3.0.

For installation details, go to: <http://www.php.net/manual/en/mysqli.installation.php>

For runtime configuration details, go to: <http://www.php.net/manual/en/mysqli.configuration.php>

55.3. PHP 5 MySQLi Functions

Function	Description
<code>mysqli_affected_rows()</code>	Returns the number of affected rows in the previous MySQL operation
<code>mysqli_autocommit()</code>	Turns on or off auto-committing database modifications
<code>mysqli_change_user()</code>	Changes the user of the specified database connection
<code>mysqli_character_set_name()</code>	Returns the default character set for the database connection
<code>mysqli_close()</code>	Closes a previously opened database connection
<code>mysqli_commit()</code>	Commits the current transaction
<code>mysqli_connect_errno()</code>	Returns the error code from the last connection error
<code>mysqli_connect_error()</code>	Returns the error description from the last connection error
<code>mysqli_connect()</code>	Opens a new connection to the MySQL server
<code>mysqli_data_seek()</code>	Adjusts the result pointer to an arbitrary row in the result-set
<code>mysqli_debug()</code>	Performs debugging operations
<code>mysqli_dump_debug_info()</code>	Dumps debugging info into the log
<code>mysqli_errno()</code>	Returns the last error code for the most recent function call
<code>mysqli_error_list()</code>	Returns a list of errors for the most recent function call
<code>mysqli_error()</code>	Returns the last error description for the most recent function call

<code>mysqli_fetch_all()</code>	Fetches all result rows as an associative array, a numeric array, or both
<code>mysqli_fetch_array()</code>	Fetches a result row as an associative, a numeric array, or both
<code>mysqli_fetch_assoc()</code>	Fetches a result row as an associative array
<code>mysqli_fetch_field_direct()</code>	Returns meta-data for a single field in the result set, as an object
<code>mysqli_fetch_field()</code>	Returns the next field in the result set, as an object
<code>mysqli_fetch_fields()</code>	Returns an array of objects that represent the fields in a result set
<code>mysqli_fetch_lengths()</code>	Returns the lengths of the columns of the current row in the result set
<code>mysqli_fetch_object()</code>	Returns the current row of a result set, as an object
<code>mysqli_fetch_row()</code>	Fetches one row from a result-set and returns it as an enumerated array
<code>mysqli_field_count()</code>	Returns the number of columns for the most recent query
<code>mysqli_field_seek()</code>	Sets the field cursor to the given field offset
<code>mysqli_field_tell()</code>	Returns the position of the field cursor
<code>mysqli_free_result()</code>	Frees the memory associated with a result
<code>mysqli_get_charset()</code>	Returns a character set object
<code>mysqli_get_client_info()</code>	Returns the MySQL client library version
<code>mysqli_get_client_stats()</code>	Returns statistics about client per-process
<code>mysqli_get_client_version()</code>	Returns the MySQL client library version as an integer
<code>mysqli_get_connection_stats()</code>	Returns statistics about the client connection
<code>mysqli_get_host_info()</code>	Returns the MySQL server hostname and the connection type
<code>mysqli_get_proto_info()</code>	Returns the MySQL protocol version
<code>mysqli_get_server_info()</code>	Returns the MySQL server version
<code>mysqli_get_server_version()</code>	Returns the MySQL server version as an integer
<code>mysqli_info()</code>	Returns information about the most recently executed query
<code>mysqli_init()</code>	Initializes MySQLi and returns a resource for use with <code>mysqli_real_connect()</code>
<code>mysqli_insert_id()</code>	Returns the auto-generated id used in the last query
<code>mysql_kill()</code>	Asks the server to kill a MySQL thread
<code>mysqli_more_results()</code>	Checks if there are more results from a multi query
<code>mysqli_multi_query()</code>	Performs one or more queries on the database
<code>mysqli_next_result()</code>	Prepares the next result set from <code>mysqli_multi_query()</code>
<code>mysqli_num_fields()</code>	Returns the number of fields in a result set
<code>mysqli_num_rows()</code>	Returns the number of rows in a result set
<code>mysqli_options()</code>	Sets extra connect options and affect behavior for a connection
<code>mysqli_ping()</code>	Pings a server connection, or tries to reconnect if the connection has gone down

mysqli_prepare()	Prepares an SQL statement for execution
mysqli_query()	Performs a query against the database
mysqli_real_connect()	Opens a new connection to the MySQL server
mysqli_real_escape_string()	Escapes special characters in a string for use in an SQL statement
mysqli_real_query()	Executes an SQL query
mysqli_reap_async_query()	Returns the result from async query
mysqli_refresh()	Refreshes tables or caches, or resets the replication server information
mysqli_rollback()	Rolls back the current transaction for the database
mysqli_select_db()	Changes the default database for the connection
mysqli_set_charset()	Sets the default client character set
mysqli_set_local_infile_default()	Unsets user defined handler for load local infile command
mysqli_set_local_infile_handler()	Set callback function for LOAD DATA LOCAL INFILE command
mysqli_sqlstate()	Returns the SQLSTATE error code for the last MySQL operation
mysqli_ssl_set()	Used to establish secure connections using SSL
mysqli_stat()	Returns the current system status
mysqli_stmt_init()	Initializes a statement and returns an object for use with mysqli_stmt_prepare()
mysqli_store_result()	Transfers a result set from the last query
mysqli_thread_id()	Returns the thread ID for the current connection
mysqli_thread_safe()	Returns whether the client library is compiled as thread-safe
mysqli_use_result()	Initiates the retrieval of a result set from the last query executed using the mysqli_real_query()
mysqli_warning_count()	Returns the number of warnings from the last query in the connection