To create or enable a REST API to access your MySQL databases via cPanel for reading and writing, follow these steps:

**1. Enable Remote MySQL Access (If Needed)**

* Click **Remote MySQL®** in cPanel.
* Add the IP addresses that will access your database remotely.
* If you're using a web server, allow its IP.

**2. Set Up a PHP API on Your Hosting**

Since cPanel provides PHP support, you can create a simple REST API using PHP.

**A. Create an API Directory**

* Use **File Manager** in cPanel to create a folder like api in public\_html.

**B. Create a Database Connection File (db.php)**

Inside the api folder, create a db.php file:

php

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<?php

$host = "localhost"; // Change if using a remote server

$user = "your\_db\_user";

$pass = "your\_db\_password";

$dbname = "your\_database";

$conn = new mysqli($host, $user, $pass, $dbname);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

?>

**C. Create API Endpoints (api.php)**

Create another file api.php in the same folder:

php

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<?php

header("Content-Type: application/json");

include 'db.php';

$method = $\_SERVER['REQUEST\_METHOD'];

if ($method == 'GET') {

$sql = "SELECT \* FROM your\_table";

$result = $conn->query($sql);

$data = [];

while ($row = $result->fetch\_assoc()) {

$data[] = $row;

}

echo json\_encode($data);

}

if ($method == 'POST') {

$input = json\_decode(file\_get\_contents("php://input"), true);

$name = $input['name'];

$email = $input['email'];

$sql = "INSERT INTO your\_table (name, email) VALUES ('$name', '$email')";

if ($conn->query($sql)) {

echo json\_encode(["message" => "Data inserted successfully"]);

} else {

echo json\_encode(["message" => "Error inserting data"]);

}

}

$conn->close();

?>

**D. Secure the API**

* Use **.htaccess** to restrict access.
* Implement **authentication (JWT, API Key, or Basic Auth).**
* Use **prepared statements** to prevent SQL injection.

**3. Test the API**

* Use Postman or CURL to test:
  + GET request: https://yourdomain.com/api/api.php
  + POST request with JSON body.

**4. Use the API from the Internet**

* Deploy on a domain.
* Ensure MySQL and cPanel firewall rules allow external API requests.