To allow a specific IP address to access your phpMyAdmin instance on http://localhost:8081/phpmyadmin/, you need to configure your XAMPP and phpMyAdmin settings. Here’s how to do it step by step:

### Step 1: Allow External Connections in MySQL

1. **Open the MySQL Configuration File**:
   * Navigate to your XAMPP installation directory, typically C:\xampp\mysql\bin\.
   * Open the file named my.ini in a text editor.
2. **Bind MySQL to All Interfaces**:
   * Find the line that begins with bind-address. If it’s commented out (with a # in front), or if it specifies 127.0.0.1, you’ll need to change it.
   * Uncomment it or change it to 0.0.0.0 so that it looks like this:

ini

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bind-address = 0.0.0.0

1. **Save Changes and Restart MySQL**:
   * Save the changes and close the editor.
   * In the XAMPP Control Panel, restart MySQL by stopping it and then starting it again.

### Step 2: Configure phpMyAdmin to Allow the IP Address

1. **Open the phpMyAdmin Configuration File**:
   * Navigate to C:\xampp\phpMyAdmin\.
   * Open the file named config.inc.php in a text editor.
2. **Modify the Authentication Method**:
   * Find the section that specifies authentication. It might look something like this:

php

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$cfg['Servers'][$i]['auth\_type'] = 'cookie';

* + You might want to change the auth type to config temporarily for testing, but keep in mind this is less secure:

php

Copy code

$cfg['Servers'][$i]['auth\_type'] = 'config';

1. **Allow Access from Specific IPs**:
   * In the same config.inc.php file, look for or add the following lines to allow access from a specific IP address:

php

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$cfg['Servers'][$i]['AllowDeny']['order'] = 'deny,allow';

$cfg['Servers'][$i]['AllowDeny']['deny'] = array('\*'); // Deny all by default

$cfg['Servers'][$i]['AllowDeny']['allow'] = array('YOUR\_IP\_ADDRESS'); // Allow specific IP

Replace YOUR\_IP\_ADDRESS with the actual IP address you want to allow.

1. **Save Changes**:
   * Save the config.inc.php file after making changes.

### Step 3: Adjust Firewall Settings (if needed)

If you have a firewall running on your server or machine, ensure that port 8081 is allowed for incoming connections:

* **Windows Firewall**:
  + Open **Windows Firewall** settings.
  + Click on **Advanced settings**.
  + Under **Inbound Rules**, create a new rule to allow traffic on port 8081.

### Step 4: Access phpMyAdmin

Now, you should be able to access phpMyAdmin from the specified IP address using the URL:

arduino

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http://YOUR\_SERVER\_IP:8081/phpmyadmin/

Replace YOUR\_SERVER\_IP with the actual IP address of the machine running XAMPP.

### Important Notes

* Make sure that the MySQL user you’re trying to log in with has the necessary permissions to access the database.
* If you are using auth\_type = cookie, revert any changes made for testing back to their secure defaults once you have verified access.
* Always backup configuration files before making changes.

If you have any further questions or need assistance with a specific step, feel free to ask!

The error message "You don't have permission to access this resource" usually indicates that your phpMyAdmin or web server settings are blocking access to the requested resource. Here are steps to troubleshoot and resolve this issue when trying to access phpMyAdmin on your XAMPP server:

### Step 1: Check config.inc.php for Access Control

1. **Open the config.inc.php file**:
   * Navigate to C:\xampp\phpMyAdmin\.
   * Open the config.inc.php file in a text editor.
2. **Review Access Control Settings**: Ensure that you have set the access control properly. For allowing a specific IP address, your configuration should look something like this:

php

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$cfg['Servers'][$i]['AllowDeny']['order'] = 'deny,allow';

$cfg['Servers'][$i]['AllowDeny']['deny'] = array('\*'); // Deny all by default

$cfg['Servers'][$i]['AllowDeny']['allow'] = array('YOUR\_IP\_ADDRESS'); // Allow specific IP

Make sure to replace YOUR\_IP\_ADDRESS with the actual IP you want to allow.

1. **Comment Out Any Restrictions for Testing**: If you are still facing issues, you can temporarily comment out the allow/deny lines:

### $cfg['Servers'][$i]['AllowDeny']['order'] = 'deny,allow';

### $cfg['Servers'][$i]['AllowDeny']['deny'] = array('\*'); // Deny all by default

### $cfg['Servers'][$i]['AllowDeny']['allow'] = array('127.0.0.1', '192.168.1.107'); // Allow localhost and your specified IP

### Step 2: Adjust Apache Configuration

1. **Open the Apache Configuration File**:
   * Go to C:\xampp\apache\conf\extra\httpd-xampp.conf.
   * Open this file in a text editor.
2. **Locate the phpMyAdmin Directory Configuration**: Look for a section that looks like this:

apache

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<Directory "C:/xampp/phpMyAdmin/">

AllowOverride AuthConfig

Require local

</Directory>

1. **Modify the Require Directive**: Change Require local to allow external IPs:

Sửa thành:

<Directory "C:/xampp/phpMyAdmin/">

AllowOverride AuthConfig

Require all granted # Allow access from all IPs

</Directory>

Hoặc nếu dùng ip chỉ định:

### <Directory "C:/xampp/phpMyAdmin/">

### AllowOverride AuthConfig

### Require local

### Require ip 192.168.1.107

### ErrorDocument 403 /error/XAMPP\_FORBIDDEN.html.var

### </Directory>

### Step 3: Restart Apache Server

After making changes, be sure to restart the Apache server from the XAMPP Control Panel for the changes to take effect.

### Step 4: Clear Browser Cache

Sometimes, your browser may cache old permissions. Clear your browser cache or try accessing phpMyAdmin in incognito mode.

### Step 5: Firewall Configuration

If you have a firewall running on your machine, ensure it allows incoming connections to port 8081.

### Step 6: Testing

Now try to access phpMyAdmin again using:

http://YOUR\_SERVER\_IP:8081/phpmyadmin/

Make sure to replace YOUR\_SERVER\_IP with the actual IP address of your server.

### Important Notes

* If you use Require all granted, you are allowing access to anyone. Make sure to revert to more secure settings afterward.
* Always backup configuration files before making changes.

If you are still facing issues, please provide the exact settings you have in your configuration files so I can help you troubleshoot further!