2-July-2024

Training Day - 9 Report:

Steps to Install phpMyAdmin and Manage MySQL Users

1. Install phpMyAdmin

- **Download phpMyAdmin**: Download the latest version from the <u>phpMyAdmin website</u>.

- **Extract Files**: Extract the downloaded zip file into the web server's root directory (e.g., /var/www/html).

- **Configure phpMyAdmin**:
    - Rename config.sample.inc.php to config.inc.php.
    - Edit config.inc.php to configure authentication type and blowfish secret.

2. Create New Users in MySQL

- **Using Command Line**:
    1. **Log in to MySQL**:

        mysql -u root -p

    2. **Create a New User**:

        CREATE USER 'newuser'@'localhost' IDENTIFIED BY 'password';

    3. **Grant Privileges**:

        GRANT ALL PRIVILEGES ON *.* TO 'newuser'@'localhost';

    4. **Reload Privileges**:

        FLUSH PRIVILEGES;

- **Using phpMyAdmin**:

    1. Log in to phpMyAdmin with the root account.

    2. Go to the **"User accounts"** tab.

    3. Click **"Add user account"** and fill in the user details (username, host, password).

4. Set **Global privileges** and click **"Go"**.

3. Learn About Permissions and Privileges in MySQL

- **Grant Specific Privileges**:

  GRANT SELECT, INSERT ON database.* TO cgoyal@'localhost';

- **Grant All Privileges**:

  GRANT ALL PRIVILEGES ON database.* TO cgoyal@'localhost';

4. Practical Exercise

- **Create a Database**:

  CREATE DATABASE cgoyal;

- **Grant Privileges**:

  GRANT SELECT, INSERT, UPDATE ON exampleDB.* TO cgoyal@'localhost';

- **Verify Privileges**:

  SHOW GRANTS FOR cgoyal@'localhost';

This summary covers the key steps for installing phpMyAdmin, creating MySQL users, and managing permissions.