

Restoring a XAMPP Project from BackupNew Page

If a project is accidentally deleted, corrupted, moved to another computer, or you need to continue working from a backup, both the website files and database must be restored.

This tutorial demonstrates how to restore a complete XAMPP project from a backup.

Backup Requirements

Before restoring, you should have:

```
XAMPP Backups
├─ Website Files
│   └─ security_dashboard
│
└─ Databases
    └─ project_db.sql
```

The project folder contains your website files and the SQL file contains your database backup.

Restore the Website Files

Open your backup folder.

Example:

```
XAMPP Backups
└─ Website Files
    └─ security_dashboard
```

Copy the entire project folder.

Copy the Files into htdocs

Open:

C:\xampp\htdocs\

Paste the project folder into the `htdocs` directory.

Example:

C:\xampp\htdocs\security_dashboard

Your project should now appear inside the XAMPP web server folder.

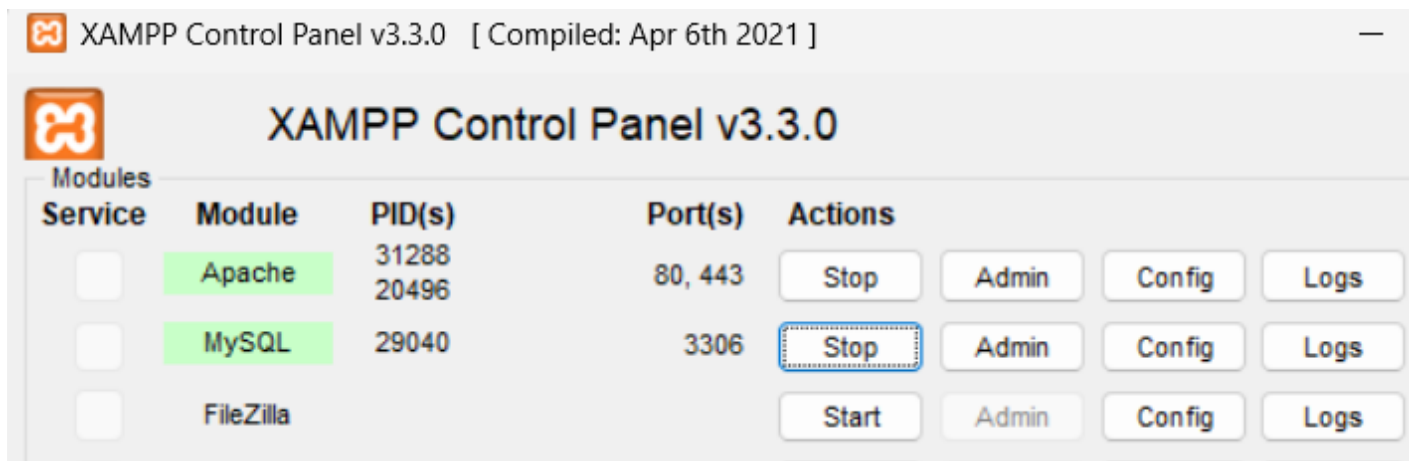
Start XAMPP

Open the XAMPP Control Panel.

Start:

Apache

MySQL



Open phpMyAdmin

Open:

<http://localhost/phpmyadmin/>

You should now see the phpMyAdmin home page.

Create the Database

Click:

New

Create a database using the original database name.

Example:

project_db

Click:

Create

Import the Database Backup

Select the newly created database.

Click:

Import

Choose:

project_db.sql

Click:

Import

phpMyAdmin will restore all tables and records from the backup file.

phpMyAdmin

Server: 127.0.0.1 » Database: project_db

Structure SQL Search Query Export Import Operations

Recent Favourites

New

- assessment
- csv_users
- esports_db
- information_schema
- login_system
- mysql
- performance_schema
- phpmyadmin
- project_db
 - New
 - security_events
 - users
- school_library
- test
- timetables

Importing into the database "project_db"

File to import:

File may be compressed (gzip, bzip2) or uncompressed.
A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

Browse your computer: (Max: 40MiB)

Choose File project_db.sql

You may also drag and drop a file on any page.

Character set of the file:

utf-8

Partial import:

☒ Allow the interruption of an import in case the script detects it is close to the PHP timeout limit
This might be a good way to import large files, however it can break transactions.

Skip this number of queries (for SQL) starting from the first one:

0

Other options

☒ Enable foreign key checks

Format

SQL

Format-specific options:

SQL compatibility mode:

NONE

☒ Do not use AUTO_INCREMENT for zero values

Import

Verify the Database

Select the restored database.

You should see the original tables.

Example:

```
project_db
├─ users
└─ security_events
```

Click on a table and verify that records are present.

Test the Website

Open your project in a browser.

Example:

http://localhost/security_dashboard/

Check that:

- Pages load correctly.
- Images display correctly.
- Login systems work.
- Database data appears correctly.

Common Problems

Database Connection Error

Check:

```
Database name
Username
Password
```

inside your PHP connection file.

Example:

```
$conn = new mysqli(
    "localhost",
    "root",
    "",
    "project_db"
);
```

The database name must match the restored database.

Table Not Found

Example error:

```
Table 'project_db.users' doesn't exist
```

Solution:

- Confirm the SQL file imported successfully.
 - Verify the table exists in phpMyAdmin.
 - Re-import the database if required.
-

Page Not Found

Example:

```
404 Not Found
```

Solution:

- Verify the project folder is inside:

```
C:\xampp\htdocs\
```

- Check the URL is correct.
-

Restoration Checklist

Website Files

- ✓ Project folder copied to htdocs
- ✓ Images restored
- ✓ CSS restored
- ✓ JavaScript restored
- ✓ PHP files restored

Database

- ✓ Database created
- ✓ SQL file imported
- ✓ Tables restored
- ✓ Records restored

Testing

- ✓ Website loads
- ✓ Database connection works
- ✓ Login system works
- ✓ Data displays correctly

Complete Restoration Process

```
graph TD; A[Backup Folder] --> B[Copy Project Files]; B --> C[Paste into htdocs]; C --> D[Create Database]; D --> E[Import SQL File]; E --> F[ ];
```

You have successfully restored a XAMPP project from a backup.

Next tutorial: **Moving a XAMPP Project to Another Computer.**

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