

Complete Deployment Guide

**Local Windows 11 → GitHub → GitLab CI/CD →
InfinityFree**

Your Specific Configuration:

- Local Path: C:\install\Apache24\htdocs\aebas
- GitHub: <https://github.com/kcsray/aebas>
- InfinityFree Site: <http://nicaebas.infinityfreeapp.com>

Part 1: Install Git on Windows 11

Step 1.1: Download Git

Go to: <https://git-scm.com/downloads>

Download and run the installer.

Step 1.2: Install Git

During installation:

- Accept all default settings
- Check "Git Bash Here" option
- Choose Vim as default editor (or Nano if preferred)
- Use "Git from the command line and also from 3rd-party software"

Part 2: Prepare Your Local Project

Step 2.1: Open Git Bash

Click Start Menu → Type "Git Bash" → Open it

Step 2.2: Navigate to Your Project

```
cd /c/install/Apache24/htdocs/aebas
```

Step 2.3: Initialize Git Repository

```
git init
```

Part 3: Create .gitignore File

Step 3.1: Create .gitignore

Create a new file named `.gitignore` in your project folder with this content:

```
# System files .DS_Store Thumbs.db # Environment/config  
files .env config.php *.config # Log files error_log  
*.log # IDE files .idea/ .vscode/ *.swp *.swo # Temp  
files *.tmp *.temp # Uploads folder (if any) uploads/  
tmp/
```

Part 4: Add and Commit Your Code

Step 4.1: Add All Files

```
git add .
```

Step 4.2: Commit Files

```
git commit -m "Initial commit - Project setup"
```

Part 5: Push to GitHub

Your GitHub Credentials:

- Username: kcsray@yahoo.com
- Password: Github123@AXN

Step 5.1: Add GitHub Remote

```
git remote add origin https://github.com/kcsray/  
aebas.git
```

Step 5.2: Rename Main Branch

```
git branch -M main
```

Step 5.3: Push to GitHub

```
git push -u origin main
```

Enter your GitHub credentials when prompted.

Part 6: Create GitLab Account and Import

Step 6.1: Create GitLab Account

Go to: <https://gitlab.com>

Sign up with your email (can use GitHub to sign up faster).

Step 6.2: Import from GitHub

1. Click "New Project"
2. Select "Import from GitHub"
3. Authorize GitLab to access your GitHub
4. Select your "aebas" repository
5. Click "Import"

Part 7: Set Up GitLab CI/CD Variables

Your InfinityFree FTP Credentials:

- Host: ftpupload.net
- Username: if0_40578902
- Password: Github123@AXN
- Port: 21
- Remote Directory: /htdocs

Step 7.1: Navigate to CI/CD Variables

In your GitLab project:

1. Go to Settings → CI/CD
2. Expand "Variables" section
3. Click "Add variable"

Step 7.2: Add These Variables

Variable Name	Value	Settings
FTP_HOST	ftpupload.net	✓ Mask: OFF ✓ Protect: OFF
FTP_USERNAME	if0_40578902	✓ Mask: OFF ✓ Protect: OFF

FTP_PASSWORD	Github123@AXN	✓ Mask: ON ✓ Protect: OFF
FTP_REMOTE_DIR	/htdocs	✓ Mask: OFF ✓ Protect: OFF

Part 8: Create GitLab CI/CD Configuration

Step 8.1: Create .gitlab-ci.yml File

In your project root, create a file named `.gitlab-ci.yml` with this exact content:

```
# GitLab CI/CD Configuration for InfinityFree FTP
Deployment stages: - deploy deploy_to_infinityfree:
image: alpine:latest stage: deploy only: - main
variables: LOCAL_FOLDER: "." # Change to "public" if
your web files are in public folder before_script: - apk
add --no-cache lftp script: - | echo "Starting FTP
deployment to InfinityFree..." lftp -c "set ftp:ssl-
allow no; open -u $FTP_USERNAME,$FTP_PASSWORD $FTP_HOST;
mirror -R --delete --verbose $LOCAL_FOLDER
$FTP_REMOTE_DIR; " echo "Deployment completed
successfully!" after_script: - echo "Cleanup completed"
artifacts: {}
```

Important: If your website's main files (`index.php`) are inside a "public" folder, change:

```
LOCAL_FOLDER: "." to LOCAL_FOLDER: "public"
```

Part 9: Push to GitLab to Trigger Deployment

Step 9.1: Get GitLab Repository URL

In your GitLab project, click "Clone" and copy the HTTPS URL (looks like):

```
https://gitlab.com/your-username/aebas.git
```

Step 9.2: Add GitLab Remote

Back in Git Bash:

```
git remote add gitlab https://gitlab.com/your-username/  
aebas.git
```

Replace "your-username" with your actual GitLab username.

Step 9.3: Push to GitLab

```
git add . git commit -m "Add GitLab CI/CD configuration"  
git push gitlab main
```

Part 10: Monitor Deployment

Step 10.1: Check GitLab Pipeline

In GitLab project:

1. Click "CI/CD" in left sidebar

2. Click "Pipelines"
3. You should see a running pipeline
4. Click the pipeline to see details

Step 10.2: Verify Success

Look for:

- Green checkmark
- "deploy_to_infinityfree" job succeeded
- "Deployment completed successfully!" message

Part 11: Test Your Live Website

Step 11.1: Visit Your Site

Open your browser and go to:

<http://nicaebas.infinityfreeapp.com>

Part 12: Database Connection (PHP Example)

Your MySQL Database Credentials:

- Host: sql100.infinityfree.com
- Database: if0_40578902_aebas
- Username: if0_40578902
- Password: Github123AXN

Step 12.1: Sample PHP Connection

```
<?php // Database configuration for InfinityFree $host =
"sql100.infinityfree.com"; $username = "if0_40578902";
$password = "Github123AXN"; $database =
;if0_40578902_aebas"; // Create connection $conn = new
mysqli($host, $username, $password, $database); // Check
connection if ($conn->connect_error) { die("Connection
failed: " . $conn->connect_error); } echo "Database
connected successfully!"; // Your database operations
here... $conn->close(); ?>
```

Part 13: Troubleshooting Guide

Common Issue 1: FTP Connection Failed

Solution:

```
# Test FTP connection manually lftp -c "open -u
if0_40578902,Github123@AXN ftpupload.net; ls"
```

Common Issue 2: Files Not Uploading

Check:

- Correct LOCAL_FOLDER in .gitlab-ci.yml
- Files exist in specified folder
- GitLab variables are set correctly

Common Issue 3: Website Shows 404 Error

Check:

- index.php exists in /htdocs on server
- File permissions are correct
- No .htaccess conflicts

Part 14: Automated Future Deployments

Step 14.1: Set Up GitHub ↔ GitLab Sync (Optional)

In GitLab project:

1. Settings → Repository
2. Expand "Mirroring repositories"
3. Add GitHub repository URL
4. Set direction: Pull
5. Check "Mirror only protected branches"

Step 14.2: Daily Workflow

After making changes locally:

```
# 1. Add changed files git add .
# 2. Commit changes git
commit -m "Your update message"
# 3. Push to GitHub git
push origin main
# 4. Push to GitLab (if not mirrored)
git push gitlab main
```

Deployment Guide Complete

Your PHP application is now live at: **<http://nicaebas.infinityfreeapp.com>**

Any push to GitLab main branch will automatically deploy to InfinityFree

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