Deployment tools

If you are using a version control system such as Git, for your project’s code and pushing releases into remote repository, you can use Git to deploy code to your production server via the git pull shell command instead of uploading files manually. Also, you can write your own shell script to pull new repository commits, update vendors, apply migrations, and do more things.

However, there are many tools available for automating the deployment process. In this recipe, we consider the tool named Deployer.

Getting ready

Create a new yii2 -app-basic application by using the Composer package manager, as described in the official guide at <http://www.yiiframework.com/doc-2.0/guidestart-installation.html>.

How to do it...

If you have a shared remote repository, you can use it for deployment source.

**Step 1 - Preparing the remote host**

1. Go to your remote host and install Composer and asset - plugin too: global require 'fxp/composer-asset-plugin:~1.1.1'

2. Generate the SSH key via ssh - keygen.

3. Add the ~/. ssh/id\_rsa. pub file content into deployment the SSH keys page of your repository settings on GitHub, Bitbucket, or other repositories storage.

4. Try to clone your repository manually:

git clone git@github.com:user/repo.git

5. Add the Github address and the list of known hosts if the system asks you to do it.

**Step 2 - Preparing the localhost**

1. Install deploy .phar globally on your local host:

sudo wget <http://deployer.org/deployer.phar> sudo mv deployer.phar /usr/local/bin/dep sudo chmod +x /usr/local/bin/dep

2. Add the deploy. php file with the deployment configuration:

<?php

require 'recipe/yii2-app-basic.php';

set('shared\_files', [

' config/db.php',

'config/params.php',

'web/index.php ',

' yii',