

Automate the cration of Flask development environment with ansible

Working on web projects is fun but after some time, setting up a development environment can be fun but a bit time consuming. While you set up your server you could actually start working on your project. So today I will suggest an approach to automate the creation of a sample Flask server (keep in mind that it is different for other frameworks or programming languages).

1. First step would be checking if python 2 is installed on your host.
2. Install virtualenv (if you are using python 3, virtualenv is already installed) The instalation of virtualenv differs from every OS. For fedora/centOS you can install virtualenv by “sudo yum install python-virtualenv” command.
3. Make the project directory, then inside the created directory you can create the virtualenv with “virtualenv venv” commant
4. Activate the virtual enviroment by typing “. venv/bin/activate”
5. Install Flask with “pip install Flask”
6. Create a python file
7. Put a sample code from a template for flask to run

Example of a sample code:

```
from flask import Flask
app = Flask(__name__)

@app.route('/')
def hello():
    return "Hello World!"

if __name__ == '__main__':
    app.run()
```

8. Create flask directory structure (eg: “static” directory)
9. Run the flask app with the python command to check if everything works fine.
10. Shut down the python server