

# Week 13 Assignment

This assignment will hone your system automation skills with ansible and have you utilize roles.

## Tasks

You will use ansible to automatically deploy the pokemon application found [here](#). Don't forget that you need to install apache2,libapache2-mod-php, php, php-mysql on the web machine.

On the mysql machine, you will install `mysql-server` and `python-mysqldb`.

I will be looking to see that you are utilizing variables, roles, and other concepts that we have learned in class. You will at a minimum have 2 roles: one for mysql, one for apache. (You should have separate machines for these services as well).

- If you get errors like `unable to find /root/.my.cnf`, you should add the following `login_unix_socket: /var/run/mysqld/mysqld.sock` to any mysql modules you are using, like:

```
- name: create poke db
  mysql_db:
    login_unix_socket: /var/run/mysqld/mysqld.sock
    name: pokemondb
    state: present
```

You could choose to automatedly visit the install.php page, or do so manually. (i.e. via a curl command)

You should show me that your playbook runs and that the pokemon app will load for you in a web browser.

## HINTS

Here is an example of how a playbook can be used to send in variables to a role:

```
---
- hosts: php
  gather_facts: no
  roles:
    - { role: ../roles/nfs, AUTOFS: "yes" }
    - { role: ../roles/hostname, HOSTNAMEVAR: php }
```

## Submission

Pass off in class.