**Assignment description**

**Context:**

You work at umlaut Inc, a new company that plans on creating many different PHP applications. You are umlaut’s only DevOps engineer, and should build and manage a great many different PHP application servers. Luckily for you, most of these will be very similar...

Requiring only load balanced web servers capable of serving PHP (roughly 10% of your traffic) and static assets (roughly 90% of your traffic). You are granted much freedom at P3 Inc and are free to pick your web server of choice, deployment strategy, and how you will deploy PHP. However, your employer does have certain expectations.

Mainly, that you don´t use any turn-key solutions, that you remain vendor agnostic, that the creation of all required resources be automated and that as much of the automation as possible be done with Chef or Ansible.

**To do:**

* Provide the working chef/ansible code you would write to setup this web server. (You can use a fake domain, and this simple website [simple-php-website](https://github.com/banago/simple-php-website) for this exercise)
* Describe how you would setup a CI/CD pipeline to work with this with as much details as possible.

**Bonus:**

* Assuming you deploy in AWS, how would you implement auto scaling?
* Assuming you deploy in Azure, how would you implement auto scaling?
* Provide the Dockerfile you would write to setup this web server using Docker containers.