**Challenge #2**

We need to write code that will query the meta data of an instance within AWS and provide a json formatted output. The choice of language and implementation is up to you.

**Bonus Points**

The code allows for a particular data key to be retrieved individually

**Solution #2**

**The solution to this problem is implemented using Ansible.** Ansible playbooks are written in YAML. The main advantage of using Ansible is that Ansible produces JSON formatted output without having to code explicitly to achieve output in JSON format. Also, writing Ansible playbooks eliminates the need to write lengthy codes which consume a huge amount of time.

**This playbook can also fetch each key individually.**

Steps to execute the playbook on RHEL7 machine are as follows:

* Install amazon.aws plugin:

**ansible-galaxy collection install amazon.aws**

* Execute the playbook using the command:

**ansible-playbook ec2\_metadata.yml**

The sample output is as follows:

