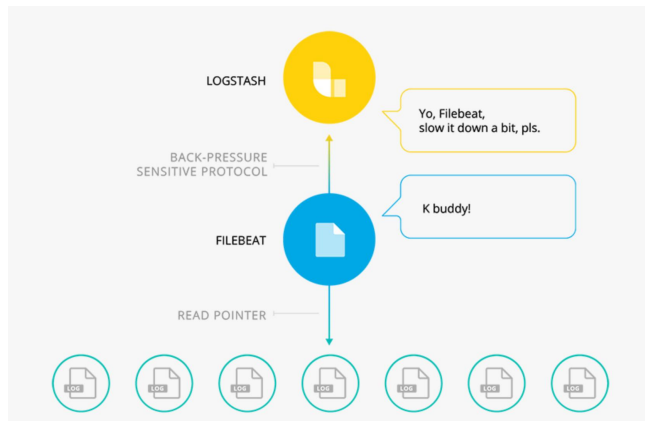Ansible Playbook for storing logs –

Tools used :-
- Ansible version:2.3.1.0
- Nginx to generate logs
- Filebeat
- Logstash
- Elasticsearch

Single playbook is used to create the architecture. We have added 4 roles to demonstrate the working model.

Playbook structure –

Playbook Name – base.yml
- hosts: webserver
  user: ansible_user
  sudo: yes
  connection: ssh
  gather_facts:yes
  roles:
     -     Nginx
     -     Filebeat

Playbook Name – elk.yml
- hosts: webserver
  user: ansible_user
  sudo: yes
  connection: ssh
  gather_facts:yes
  roles:
     -     logstash
     -     logstash.java
     -     Elasticsearch
     -     Elast.java

Deployment is achieved on a single server with all the components running in parallel. **Although for better understanding of the audience, I have divided the playbook in 2 parts –**
     -     base.yml provide a base packages for a new webserver installation with on the go logs monitoring.
     -     elk.ym deploys logstash & elasticsearch engine { Didn't had time to go through Kibana}