**1. Elasticsearch:**

**ubuntu@ip-172-31-13-232:~/elasticsearch-8.10.4/bin$ history**

**1 sudo apt update -y**

**2 clear**

**3 wget https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-8.10.4-linux-x86\_64.tar.gz**

**4 ls -l**

**5 wget https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-8.10.4-linux-x86\_64.tar.gz.sha512**

**6 ls -l**

**7 shasum -a 512 -c elasticsearch-8.10.4-linux-x86\_64.tar.gz.sha512**

**8 tar -xzf elasticsearch-8.10.4-linux-x86\_64.tar.gz**

**9 ls -l**

**10 cd elasticsearch-8.10.4/**

**11 ls -l**

**12 cd bin**

**13 ls -l**

**14 ./elasticsearch**

**15 history**

**Note: save the 'elastic' user password and the enrollment token**

**2. Kibana:**

**ubuntu@ip-172-31-13-232:~/kibana-8.10.4/bin$ history**

**1 ls -l**

**2 curl -O https://artifacts.elastic.co/downloads/kibana/kibana-8.10.4-linux-x86\_64.tar.gz**

**3 ls -l**

**4 curl https://artifacts.elastic.co/downloads/kibana/kibana-8.10.4-linux-x86\_64.tar.gz.sha512 | shasum -a 512 -c -**

**5 tar -xzf kibana-8.10.4-linux-x86\_64.tar.gz**

**6 ls -l**

**7 cd kibana-8.10.4/**

**8 ls -l**

**9 cd config**

**10 ls -l**

**11 vi kibana.yml --> check below what needs to be edited**

**12 cd ../bin**

**13 ls -l**

**14 ./kibana**

**15 history**

**Edit kibana.yml and change hostname with Private IP --> server.host: "172.31.13.232"**

**use the public IP in the browser though**

**Note: Refresh the page. Don't wait long.**

**3. Elastic Agent -->**

**Login to Kibana --> add integrations --> search for Elastic Agent --> Download elastic-agent.yml --> edit it with elastic user and password.**

**ubuntu@ip-172-31-13-232:~/elastic-agent-8.10.4-linux-x86\_64$ history**

**1 sudo curl -L -O https://artifacts.elastic.co/downloads/beats/elastic-agent/elastic-agent-8.10.4-linux-x86\_64.tar.gz**

**2 tar xzvf elastic-agent-8.10.4-linux-x86\_64.tar.gz**

**3 ls -l**

**4 cd elastic-agent-8.10.4-linux-x86\_64/**

**5 ls -l**

**7 mv elastic-agent.yml elastic-agent.yml\_BkUp**

**8 ls -l**

**9 vi elastic-agent.yml**

**12 more elastic-agent.yml**

**13 ls -l**

**14 sudo ./elastic-agent install**

**15 history**

**Explore Kibana --> Discover, Dashboard, Infrastructure, Logs, Metrics**