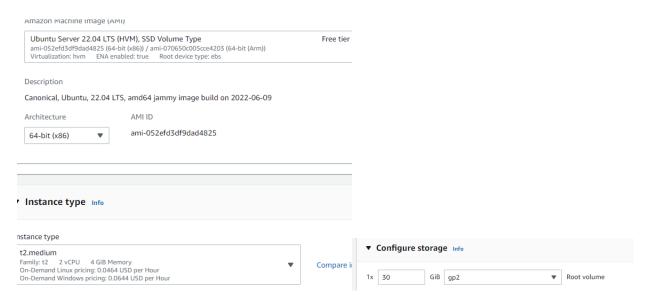


## DevOps -2022-b-online

# BY MOHAMMED EID ©

#### First create EC2 instance



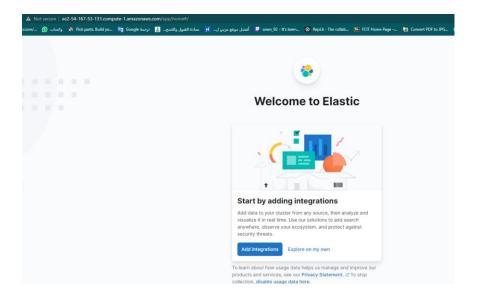
#### **Install Elastic Search**

```
ubuntu@ip-172-31-23-27:~$ curl -X GET "localhost:9200"
{
    "name" : "ip-172-31-23-27",
    "cluster_name" : "elasticsearch",
    "cluster_uuid" : "BSyZXyzpRrKcwi9QXLivDQ",
    "version" : {
        "number" : "7.17.5",
        "build_flavor" : "default",
        "build_type" : "deb",
        "build_hash" : "8d61b4f7ddf931f219e3745f295ed2bbc50c8e8
        "build_date" : "2022-06-23T21:57:28.736740635Z",
        "build_snapshot" : false,
        "lucene_version" : "8.11.1",
        "minimum_wire_compatibility_version" : "6.8.0",
        "minimum_index_compatibility_version" : "6.0.0-beta1"
    },
    "tagline" : "You Know, for Search"
}
ubuntu@ip-172-31-23-27:~$ |
```

#### **Install and setup Kibana**

```
ubuntu@ip-172-31-23-27:-$ sudo systemctl enable kibana
Synchronizing state of kibana.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable kibana
Created symlink /etc/systemd/system/multi-user.target.wants/kibana.service - /etc/systemd/system/kibana.service.
ubuntu@ip-172-31-23-27:-$ sudo systemctl start kibana

ubuntu@ip-172-31-23-27:-$ sudo ln -s /etc/nginx/sites-available/kibana /etc/nginx/sites-enabled/kibana
ubuntu@ip-172-31-23-27:-$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
```



#### **Install and setup Logstash**

Successfully created system startup script for Logstash
Scanning processes...
Scanning linux images...

#### Install beat (To transfer data from various sources to logstash)

```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
filebeat is already the newest version (7.17.5).
```

```
ubuntu@ip-172-31-23-27:~$ sudo filebeat modules enable system
Enabled system
ubuntu@ip-172-31-23-27:~$ sudo filebeat modules list
Enabled:
system
Disabled:
activemq
apache
auditd
aws
awsfargate
azure
barracuda
bluecoat
cef
checkpoint
cisco
coredns
crowdstrike
cyberark
cyberarkpas
cylance
elasticsearch
envoyproxy
f5
fortinet
gcp
google_workspace
googlecloud
gsuite
haproxy
i bmmq
icinga
iis
imperva
infoblox
iptables
juniper
                                                                l..etc
```

### Setup filebeat pipelines

ubuntu@ip-172-31-23-27:/etc/filebeat/modules.d\$ sudo systemctl start filebeat
ubuntu@ip-172-31-23-27:/etc/filebeat/modules.d\$ sudo systemctl enable filebeat
Synchronizing state of filebeat.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable filebeat
Created symlink /etc/systemd/system/multi-user.target.wants/filebeat.service - /lib/systemd/system/filebeat.service.

