



DevOps Lab

ELK INTRODUCTION

Home tasks

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TASK 1

- Spin-up VM-1 using by Vagrant. It must match next conditions:
 - OS Centos should be installed (use sbeliakou/centos image)
 - Tomcat appserver should be installed
 - “Testapp” application should be deployed and running on the server
 - Logstash should be installed on VM1 and configured for working with VM-2

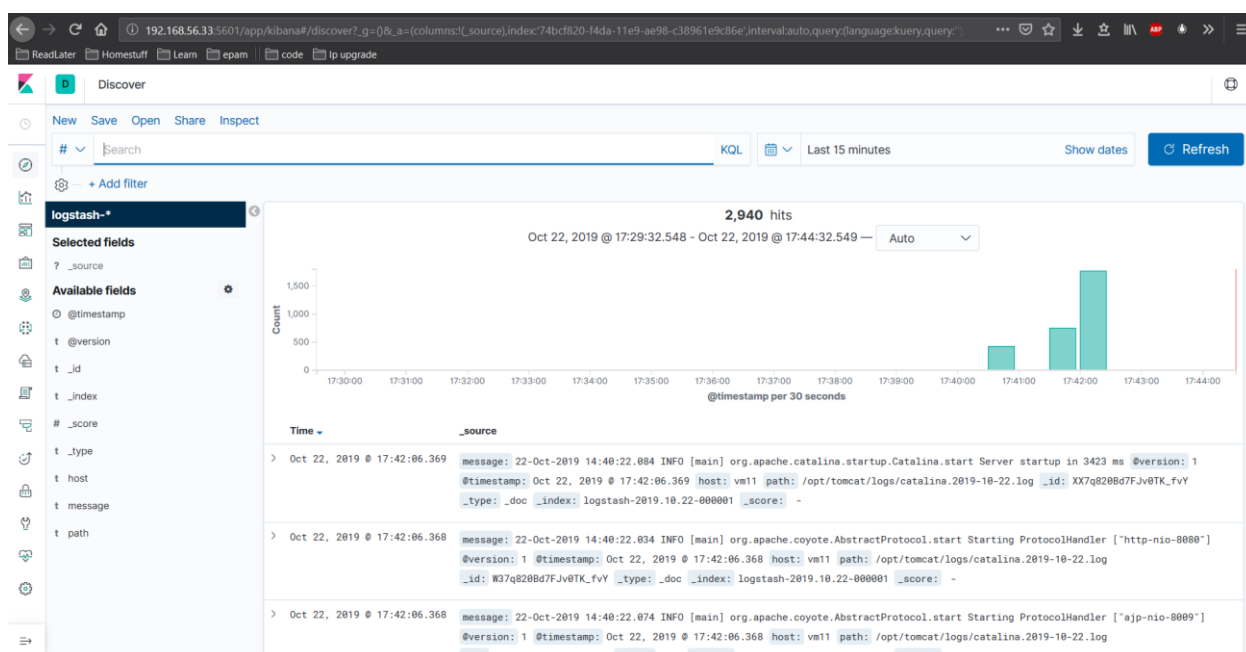
TASK 2

- Spin-up second VM-2 using by Vagrant. It must match next conditions:
 - OS Centos should be installed (use sbeliakou/centos image)
 - Elasticsearch should be installed and configured
 - Kibana should be installed and configured

TASK 3

- Analyze application workflow using by Kibana, provide screenshots

```
root@vm33 ~# curl 192.168.56.33:9200/_cat/indices?v
health status index      uuid      pri rep docs.count docs.deleted store.size pri.store.size
green open   .kibana_task_manager_1 kCypV7GCT76TdAsIuo-VYA 1 0 2 0 12.5kb 12.5kb
green open   .apm-agent-configuration 1WrGwMgMR5-58co6IB21fg 1 0 0 0 283b 283b
yellow open   logstash-2019.10.22-000001 7LY2qgVwTG0n-LCW2K8yLg 1 1 2940 0 327.9kb 327.9kb
green open   .kibana_1 7TcNpivDQ_u30-aWvRvvQ 1 0 5 0 21.5kb 21.5kb
root@vm33 ~# curl 192.168.56.33:9200/_cat/indices?v
health status index      uuid      pri rep docs.count docs.deleted store.size pri.store.size
green open   .kibana_task_manager_1 kCypV7GCT76TdAsIuo-VYA 1 0 2 0 12.5kb 12.5kb
green open   .apm-agent-configuration 1WrGwMgMR5-58co6IB21fg 1 0 0 0 283b 283b
yellow open   logstash-2019.10.22-000001 7LY2qgVwTG0n-LCW2K8yLg 1 1 2940 0 327.9kb 327.9kb
green open   .kibana_1 7TcNpivDQ_u30-aWvRvvQ 1 0 6 1 38.9kb 38.9kb
root@vm33 ~#
```



- Preform several deploying-undeploying operations (Testapp), check changes, overview logstash logs using by Kibana UI; provide appropriate screenshots

HOMETASK REQUIREMENTS

1. Vargantfile for provisioning required infrastructure
2. SH - scripts for installation/configuring of the necessary applications
3. Screenshots of the application's state (from Kibana)