



DevOps Lab

ELK INTRODUCTION

Home tasks

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TASK 1

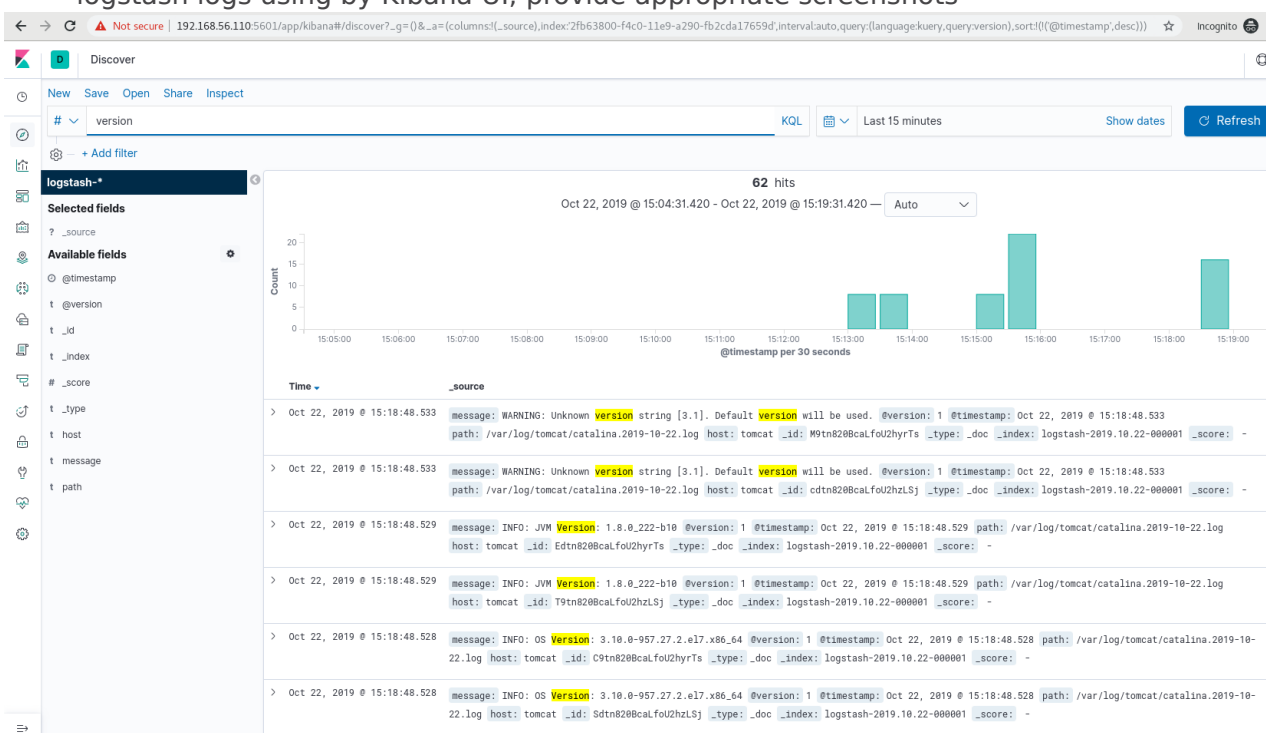
- Spin-up VM-1 using by Vagrant. It must match next conditions:
 - OS Centos should be installed (use sbeliakou/centos image)
 - Tomcat appserver should be installed
 - “Testapp” application should be deployed and running on the server
 - Logstash should be installed and configured for working with VM-2

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



HOMETASK REQUIREMENTS

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

HELPFUL MATERIALS

- “ELK introduction” presentation
- <https://www.elastic.co/guide/en/logstash/current/installing-logstash.html>
- <https://www.elastic.co/guide/en/elasticsearch/reference/current/rpm.html#install-rpm>
- <https://www.elastic.co/guide/en/kibana/7.2/rpm.html#rpm-repo>