TASK 1

1. Spin-up VM-1 using by Vagrant. It must match next conditions:

a. OS Centos should be installed (use sbeliakou/centos image)

b. Tomcat appserver should be installed

c. "Testapp" application should be deployed and running on the server

d. Logstash should be installed and configured for working with VM-2

Done

TASK 2

1. Spin-up second VM-2 using by Vagrant. It must match next conditions:

a. OS Centos should be installed (use sbeliakou/centos image)

b. Elasticsearch should be installed and configured

c. Kibana should be installed and configured

Done

TASK 3

1. Analyze application workflow using by Kibana, provide screenshots

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

D   Discover

undeploy   1/5   ^ v ×

436 hits

Oct 22, 2019 @ 14:51:14.531 - Oct 22, 2019 @ 15:06:14.531 —   Auto

Selected fields

? _source

Available fields ⚙

⊘ @timestamp
t @version
t _id
t _index
_score
t _type
t host
t message
t path

Count
200
150
100
50
0

14:52:00 14:53:00 14:54:00 14:55:00 14:56:00 14:57:00 14:58:00 14:59:00 15:00:00 15:01:00 15:02:00 15:03:00 15:04:00 15:05:00 15:06:00

@timestamp per 30 seconds

Time	_source
> Oct 22, 2019 @ 15:06:12.103	message: 192.168.56.1 - - [22/Oct/2019:12:06:04 +0000] "GET /hello-world/ HTTP/1.1" 200 198 @version: 1 path: /var/log/tomcat/localhost_access_log.2019-10-22.txt host: cent2 @timestamp: Oct 22, 2019 @ 15:06:12.103 _id: PMdc820BRVB8fvN5P3zv _type: _doc _index: logstash-2019.10.22-000001 _score: -
> Oct 22, 2019 @ 15:06:12.103	message: 192.168.56.1 - - [22/Oct/2019:12:06:06 +0000] "GET /hello-world/ HTTP/1.1" 200 198 @version: 1 path: /var/log/tomcat/localhost_access_log.2019-10-22.txt host: cent2 @timestamp: Oct 22, 2019 @ 15:06:12.103 _id: Pcdc820BRVB8fvN5P3zv _type: _doc _index: logstash-2019.10.22-000001 _score: -
> Oct 22, 2019 @ 15:06:02.072	message: 192.168.56.1 - - [22/Oct/2019:12:05:56 +0000] "GET /TestApp/ HTTP/1.1" 404 967 @version: 1 path: /var/log/tomcat/localhost_access_log.2019-10-22.txt host: cent2 @timestamp: Oct 22, 2019 @ 15:06:02.072 _id: Osdc820BRVB8fvN5GHzA _type: _doc _index: logstash-2019.10.22-000001 _score: -
> Oct 22, 2019 @ 15:06:02.072	message: 192.168.56.1 - - [22/Oct/2019:12:05:58 +0000] "GET /TestApp/ HTTP/1.1" 404 967 @version: 1 path: /var/log/tomcat/localhost_access_log.2019-10-22.txt host: cent2 @timestamp: Oct 22, 2019 @ 15:06:02.072 _id: O8dc820BRVB8fvN5GHzA _type: _doc _index: logstash-2019.10.22-000001 _score: -

D   Discover

deploy   1/19   ^ v ×

New   Save   Open   Share   Inspect

deploy*   KQL   📅   Last 60 minutes   Show dates   ↻ Refresh

⚙ + Add filter

logstash-*

Selected fields

? _source

Available fields ⚙

⊘ @timestamp
t @version
t _id
t _index
_score
t _type
t host
t message
t path

77 hits

Oct 22, 2019 @ 14:17:56.418 - Oct 22, 2019 @ 15:17:56.418 —   Auto

Count
25
20
15
10
5

14:20 14:25 14:30 14:35 14:40 14:45 14:50 14:55 15:00 15:05 15:10 15:15

@timestamp per minute

Time	_source
> Oct 22, 2019 @ 15:05:36.013	message: Oct 22, 2019 12:05:35 PM org.apache.catalina.startup.HostConfig deployWAR @version: 1 path: /var/log/tomcat/catalina.2019-10-22.log host: cent2 @timestamp: Oct 22, 2019 @ 15:05:36.013 _id: Mcdb820BRVB8fvN5snz3 _type: _doc _index: logstash-2019.10.22-000001 _score: -
> Oct 22, 2019 @ 15:05:36.013	message: INFO: Deploying web application archive /var/lib/tomcat/webapps/hello-world.war @version: 1 path: /var/log/tomcat/catalina.2019-10-22.log host: cent2 @timestamp: Oct 22, 2019 @ 15:05:36.013 _id: Msdb820BRVB8fvN5snz3 _type: _doc _index: logstash-2019.10.22-000001 _score: -
> Oct 22, 2019 @ 15:05:36.013	message: Oct 22, 2019 12:05:35 PM org.apache.catalina.startup.HostConfig deployWAR @version: 1 path: /var/log/tomcat/catalina.2019-10-22.log host: cent2 @timestamp: Oct 22, 2019 @ 15:05:36.013 _id: Ncdb820BRVB8fvN5snz3 _type: _doc _index: logstash-2019.10.22-000001 _score: -
> Oct 22, 2019 @ 15:05:36.013	message: INFO: Deployment of web application archive /var/lib/tomcat/webapps/hello-world.war has finished in 125 ms @version: 1 path: /var/log/tomcat/catalina.2019-10-22.log host: cent2 @timestamp: Oct 22, 2019 @ 15:05:36.013 _id: Nsdb820BRVB8fvN5snz3 _type: _doc _index: logstash-2019.10.22-000001 _score: -

Discover

deploy   1/19   ^ ∨ ✕

fields

- @timestamp
- @version
- _id
- _index
- _score
- _type
- host
- message
- path

Count

1

0

14:20 14:25 14:30 14:35 14:40 14:45 14:50 14:55 15:00 15:05 15:10 15:15

@timestamp per minute

Time ▾	_source
› Oct 22, 2019 @ 15:05:01.944	message: 192.168.56.1 - admin [22/Oct/2019:12:04:58 +0000] "POST /manager/html/undeploy;jsessionid=A0AD9802D470F103CE97F6BB2D8A68D8? path=/hello%2Dworld&org.apache.catalina.filters.CSRF_NONCE=216AE0A7B164F9B2566CA96360 C67030 HTTP/1.1" 200 15957 @version: 1 path: /var/log/tomcat/localhost_access_log.2019-10-22.txt host: cent2
› Oct 22, 2019 @ 15:04:58.937	message: Oct 22, 2019 12:04:58 PM org.apache.catalina.startup.HostConfig undeploy @version: 1 path: /var/log/tomcat/catalina.2019-10-22.log host: cent2 @timestamp: Oct 22, 2019 @ 15:04:58.937 _id: LMdb820BRVB8fvN5Inwi _type: _doc _index: logstash-2019.10.22-000001 _score: -
› Oct 22, 2019 @ 15:04:58.937	message: INFO: Undeploying context [/hello-world] @version: 1 path: /var/log/tomcat/catalina.2019-10-22.log host: cent2 @timestamp: Oct 22, 2019 @ 15:04:58.937 _id: Lcdb820BRVB8fvN5Inwi _type: _doc _index: logstash-2019.10.22- 000001 _score: -