

Logging User Guide

- [Quickstart - getting your ELK Dashboard up](#)
 - [Enabling the ELK stack](#)
- [ONAP Kibana Dashboard](#)
- [Logging Design](#)
- [Logging API](#)
- [Logging DevOps](#)
 - [Logging Framework Deployment](#)
 - [Originating Container](#)
 - [Filebeat Sidecar Container](#)
 - [Logstash DaemonSet](#)
 - [Elasticsearch container](#)
 - [Kibana container](#)
 - [Enabling Debug Logs](#)
 - [Via URL](#)
 - [Via Logback.xml](#)
- [Logging Access](#)
 - [Robot logs](#)
 - [Host VM logs](#)
 - [ELK Logs](#)
- [Training Videos](#)
- [References](#)

see: [LOG-66](#) - Getting issue details... [STATUS](#) [LOG-49](#) - Getting issue details... [STATUS](#)

Quickstart - getting your ELK Dashboard up

[Logging Analytics Dashboards \(Kibana\)](#)

Enabling the ELK stack

Target the VM in your cluster that is running log-kibana - in the live CD system for example it is usually on <http://master3.onap.info:30253/>

The index needs to be enabled - this is currently being automated in [LOG-152](#) - Getting issue details... [STATUS](#) for now you can flip the following dropdown.

← → ↺ 🏠

18.188.238.244:30253/app/kibana#/management/kibana/index?_g=()

Apps

Amdocs

ONAP

AWS

obrienlabs

Azure

GCE

IBM Cloud

Rackspace

OpenLab

GitHub

kibana

Discover

Visualize

Dashboard

Timelion

Dev Tools

Management

Management / Kibana

Index Patterns

Saved Objects

Advanced Settings

Warning

No default index pattern. You must select or create one to continue.

Configure an index pattern

In order to use Kibana you must configure at least one index pattern used to configure fields.

Index name or pattern

logstash-*

Patterns allow you to define dynamic index names using * as a wildcard. E

Time Filter field name ⓘ refresh fields

✓

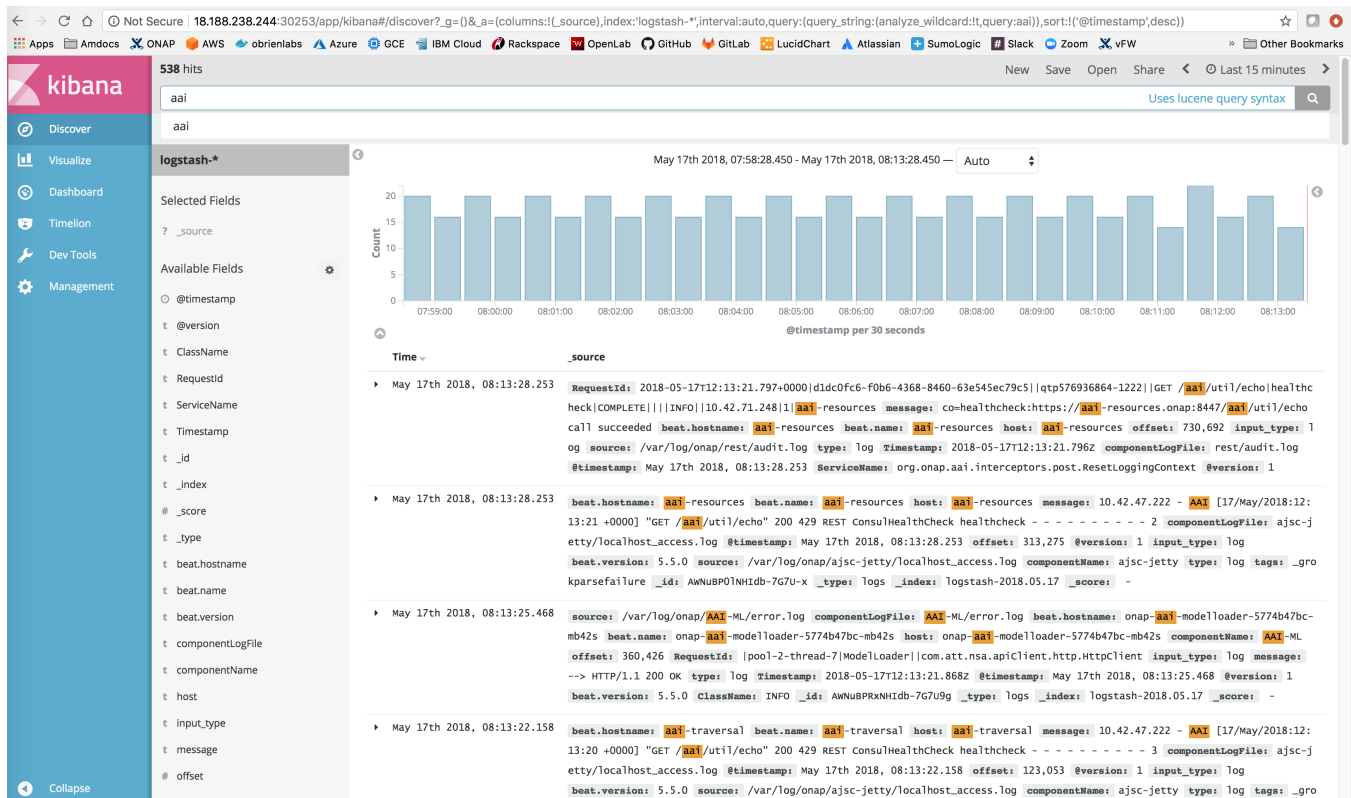
I don't want to use the Time Filter

@timestamp

BeginTimestamp

EndTimestamp

You will be able to search on logs - separate from also using the kibana dashboards.



Troubleshooting:

check indices to verify data exists in Elasticsearch

root@k8s:~# curl -u elastic:changeme http://127.0.0.1:30254/_cat/indices

red open .monitoring-es-6-2017.10.04 X9nA9PHsR92u9VA1EjvrjA 1 1

yellow open .monitoring-es-6-2017.10.05 GEWfbYV8Qu632lLcOaGufg 1 1 70825 324 49mb 49mb

yellow open onaplogs-2017.10.05 qOErm_zR1yJbES2A94GuA 5 1 417450 0 146.9mb 146.9mb

yellow open .triggered_watches sJWEmGgYRmuOsOa0ouWgaw 1 1 0 0 365.7kb 365.7kb

yellow open onaplogs-2017.10.04 NoEhHdK3ToeUC2KGqo3XIA 5 1 270744 0 103.1mb 103.1mb

yellow open .monitoring-alerts-6 84pDDo6HQOglqgJQ5nMriA 1 1 1 0 6.3kb 6.3kb

yellow open .watcher-history-3-2017.10.04 lZ_1PBP-RiuevffPV3a1-g 1 1 2612 0 2.6mb 2.6mb

yellow open .watcher-history-3-2017.10.05 IDLSTl9Thq0pTuTyzngNQ 1 1 4544 0 3.2mb 3.2mb

yellow open .kibana WVWyQNR5HTzCRsqEQkPR3YA 1 1 1 0 3.2kb 3.2kb

yellow open .watches vS6TCNdiTwSL9JJOx_N8QQ 1 1 4 0 63.4kb 63.4kb

Configuration

search on log* and select a "time filter field name" to @timestamp

onap | split rows | aggregation=terms | field=source.keyword | size=100, play

http://k8s:30253/app/kibana#/discover?_g=()&_a=(columns:!(@_source),index:'onap*',interval:auto,query:(query_string:(analyze_wildcard:!t,query:'*')),sort:!('@timestamp',desc))

filter by aai

October 5th 2017, 11:10:39.087 source:/var/log/onap/aai/aai-ml/error.log offset:605,688 DistributionClientResultImpl .responseStatus:

ASDC_SERVER_PROBLEM, responseMessage=ASDC server problem] 2017-10-05T15:10:37.393Z input_type:log message:

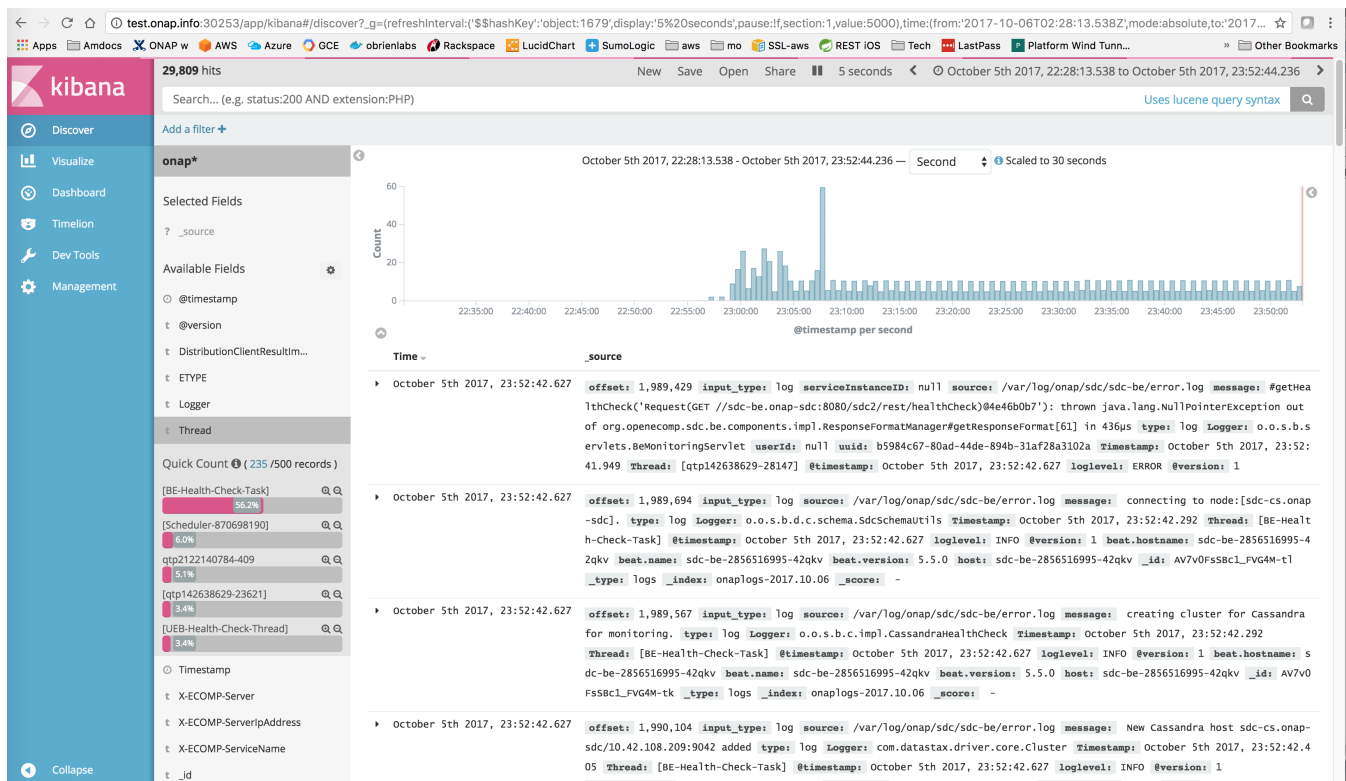
MDLSVC2001E[MDLSVC2001E Unable to register with ASDC: Failed to initialize distribution client: ASDC server problem] type:log Logger:org.onap.aai.

modelloader.service.SdcConnectionJob Timestamp:October 5th 2017, 11:10:37.347 Thread:[Timer-0] INFO org.openecomp.sdc.impl.

DistributionClientImpl DistributionClient - init 2017-10-05T15:10:37.393Z [Timer-0] ERROR org.openecomp.sdc.http.AsdcConnectorClient status from

ASDC is org.openecomp.sdc.http.AsdcResponse@2c523e67 2017-10-05T15:10:37.393Z [Timer-0] ERROR org.open

ONAP Kibana Dashboard



Logging Design

Repositories

Repo	Directory	Details
oom		Deployment yamls
oom		configs
logging-analytics		docker image configs
logging-analytics		reference logback.xml configs
(various) aai....		runtime logback.xml/log4j configs

Logging API

Discuss shared library approach to logging (Java only for now)

Logging DevOps

[ONAP Development#KubernetesDevOps](#)

Logging Framework Deployment

Triage Log Capture

The following are procedures to determine the state of logs traversing from the container under use via the filebeat, logstash, elasticsearch pipeline.

I would start with the deployment.yaml and verify the filebeat section is the same as other working pods that are listed in the last check I did for pairwise testing. I would expect logs from for example portal in portal-app and portal-sdk – at least error logs.

[LOG-230](#) - Getting issue details...

STATUS

After this I would check the logstash service to see if it is receiving logs its port – I'll add instructions to the wiki.

We can also check the docker pv for the 2 portal containers – the emptydir should be in /var/lib/docker – this is a secondary place we can pickup/verify the logs besides filebeat.

Originating Container

Filebeat Sidecar Container

[Filebeat sidecar container setup and configuration in OOM](#)

Logstash DaemonSet

Elasticsearch container

Kibana container

Enabling Debug Logs

Via URL

MSO	http://cd.onap.info:30223/mso/logging/debug	Debuglog successfully enabled.
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Via Logback.xml

Logging Access

Robot logs

after a

/dockerdata-nfs/onap/robot# ./demo-k8s.sh init_customer

<http://host:30209/logs/demo/InitCustomer/report.html>

user:robot pass:robot

Host VM logs

/dockerdata-nfs/onap/aai/aai-traversal/logs/

/dockerdata-nfs/onap/sdc/logs/ASDC/ASDC-BE/

```
ubuntu@ip-172-31-15-18:/dockerdata-nfs/onap$ ls -la aai/data-router/logs/AAI-DR/
-rw-r--r-- 1 root root      0 Aug 16 01:11 audit.log
-rw-r--r-- 1 root root      0 Aug 16 01:11 debug.log
-rw-r--r-- 1 root root 106459 Aug 17 00:01 error.2018-08-16.log.zip
-rw-r--r-- 1 root root 5562166 Aug 17 19:50 error.log
-rw-r--r-- 1 root root    536 Aug 16 01:12 metrics.log
```

ELK Logs

Training Videos

Video	Details
 Unknown Attachment	Configuring a new ONAP install's ELK stack

References