

LOG Meeting Minutes 2017-11-07

Agenda





- Review guidelines in general
- Review line formats
- Comparison of line formats: from Luke

Before:

```
11/08-02:11:28.213|org.onap.example.component1.subcomponent1.LogbackTest|b88319fb-966e-4eb9-ad7f-a604da21c55a|main|INFO|here's an info
it has newlines      and tabs
```

After


```
org.onap.example.component1.subcomponent1.LogbackTest      2017-11-07T15:11:28.213Z
INFO      here's an info\nit has newlines\tand tabs      key1=value1,
key2=value2 with space, RequestId=b88319fb-966e-4eb9-ad7f-a604da21c55a, key5=value5 "with"quotes,
key6=value5>with<chevrons, key3=value3\nwith\nnewlines, key4=value4\twith\ttabs
main
```

- TODO: need to correlate the position of the thread name "main" in its new position in the guidelines, also the MDC comma separated block. We need to specify the exact tab structure preceding the mdc block
- Introduce 2 new documentation contributors: Akanksha Khosla (OOM) , Anuj Kapoor (LOG)
- discuss doc work - todo
- discuss doc release notice work
- discuss carrier grade work in OOM -[OOM for Production-Grade Deployments](#) around  **OOM-499** - Platform Centralized Logging CLOSED
- JIRA review - <https://jira.onap.org/secure/RapidBoard.jspa?rapidView=53&view=planning&selectedIssue=LOG-85>
- Triage log issues in other components, AAI, OOM - introduce Logging label
 -  **AAI-454** - LoggingContext.requestId required NULL handling in aai/aai-common (20170607) - during demo.sh init_customer CLOSED ,
 -  **OOM-493** - Logs are not properly initialized in SDC-FE pod CLOSED
- Discuss overall ONAP stability as it is affecting our log traceability -  **INT-106** - Stabilizing the ONAP master branch CLOSED , please share general SDC, MSO, AAI workarounds here
- F2F Dec 2017 presentations - Transaction Traceability using ELK by James


Minutes

- Discussed
- Discuss delimiter, new line, mdc name/value pairs
- Discuss producers (devs) as well as consumers (ops) AT&T and Bell - need to handle ops as well as NBI clients - from an indexing/parsing perspective
- Discuss use case where indexing fails and ops reads the logs directly
- Allow for default and new format toggling - could have dual appenders/or subdirs for both formats until R2? - see MSO for example in [ONAP Log Locations](#)
- maintain backward compatability with EELF
- Standardize in the future on logger names not different files
- Need to rework standard directory issue
- Review log eviction policy for emptyDir and dockerdata-nfs outputs
- Check ELK container logstash HD
- Compare overhead of logging over NFS - need some volumetrics state before/after log duplication
- part of log audit - verify eelf appenders in logback.xml

Post Meeting

- Epic for dual appenders (eelf, current) design issues, Resiliency/rotation changes, migration to single appender in the future - Mike
- Epic for default configuration being applied
- Finalize tabs vs pipes for R2 doc - vote on tue
- Implementation (slf4j/eelf) is less of a concern over verifying that indexed content of the log format is standardized for consumers - however an additional API wrapper would benefit abstractONAP-component-wide changes over direct SLF4J calls.
- Enumerate new ONAP projects as candidates for guideline enforcement.
- Need volumetrics performance stats for end to end log emission all the way to ELK indexing/query - to be able to answer for more real time requestID tracking - like a DMaaP queue?
- Committers have ideas about a 3rd appender to drop into the message queue DMaaP - a secondary, perhaps more performant view of the events.
- Design Issue Epic for above  **LOG-94** - Investigate DMaaP appender as 3rd appender CLOSED

- AOP annotation support for Logging - check for existing code and raise (custom EELF annotations on top of Spring ?) -

 [LOG-95](#) - Add AOP logging annotation support CLOSED

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Rollover Actions

From last week

- vote on ways to edit the guidelines next meet
- vote meeting agenda flow - guide first, JIRA second ?
- onap config is split - oom is working merging heat and oom
- (oom config in oom project, heat it is in each project distributed across components)
- discuss (raise epic) combining config - or raise a hierarchy (oparent?) - default version with specific overrides if required per project
- need to discuss eelf consistency and MDC details for next meeting
- LOG-85 discuss external mounts for /dockerdata-nfs shares and how to get it to work with emptyDir()
- upfront arch discussion on implementation changes in the JIRA architecture page for epics in R2
- small demo of functionality - proposals
- f2f - discussions of logging exposure in the talks/hands-on/discussion-panels
- vFirewall integration testing (daily) - always asking for logs in HEAT testing - we could address this in R2 either either through HEAT ELK or when OOM gets consumed in R2
- 2 logging related NPE bugs - we can fix these as well - we have 2 weeks

Actions

- as above

Attendees -

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