

LOG Meeting Minutes 2019-02-19

Meeting at 1100 EST Tue - <https://zoom.us/j/519971638>

<https://lists.onap.org/g/onap-discuss/topics>

<http://onap-integration.eastus.cloudapp.azure.com:3000/group/onap-integration>

<https://jira.onap.org/secure/RapidBoard.jspa?rapidView=143&view=planning.nodetail&epics=visible>

Agenda

- Michael started parallel full time ONAP related DevOps position - should discuss impact on logging/pomba project
 - Notice to onap: https://lists.onap.org/g/onap-discuss/topic/michael_reduced_availability/29918628?p=,,,20,0,0,0::recentpostdate%2Fsticky,,,20,2,0,29918628

Team,

I have taken on a full time DevOps kubernetes based role last week directly related to ONAP that may cause less focus on public in the short term and includes 20% travel.

We can discuss this in the affected meetings.

I have more than a couple pending mails to answer – sorry for the de-focus the last 2 weeks.

I am still working out the details of working privately and publicly – as I was previously 100% public – the team I work with on DevOps is very open to the idea of continuing the LOG and CD work – as there is also opportunity for up-sourcing as both sides are ONAP focused and the role is in support of production ONAP deployment.

So just a heads up

- Any committer can run for the PTL role - it is a short 2 phase process - 3 days for who runs - on onap-discuss - then 3 days for committers to vote
- Prep for M2 this thursday - [Logging Dublin M2 Deliverables for Functionality Freeze Milestone Checklist](#)
- TSC-25 ramping down - CD work
- Continue coding changes for spec - casablanca spec is implemented in Dublin
 - For example any change to the spec now is in el-alto
 - coding: portal/sdk - see ongoing for portal in
-  **PORTAL-348** - Investigate/Run/Use/Modify Portal/SDC Logging library to align with Spec CLOSED
 - fix up <https://gerrit.onap.org/r/#/c/62405/>
 - still need to look at SO and AAI log libraries for comparison
- Answer pending questions/mails
- Review opentracing/zipkin  **LOG-104** - Investigate Jaeger / opentracing / zipkin distributed tracing agent/server CLOSED
- Lorraine Welch System.out standardout - review in terms of not using a hardcoded file appender - in terms of syslogs
 - see <https://12factor.net/logs>
- Discussion: DCAE logs
 - log formatting questions - the 4 types of logs per microservice -
 - Discuss: Acumos single log discussion - MARKERS to replace log file name key - optional for ONAP for now - TODO verify our spec

Attendees

Prudence Au

Lorraine Welch

Luke Parker

Items

- Plan for
 - current implementation
 - Future spec for el-alto for VNFs below
- this week...
 - logging work
 - Dev environment back up - merging existing library - using vid-app-common as a template for usage of org.onap.portal.sdk
 - `<epsdk.version>2.4.0</epsdk.version>`
 - prepping for splitting repos - 1 per component - will need 8+
 - working with dmaap on charts and filebeat
 - pylog issues for vfc are transient LF issues - posting response (with multicloud)
 - release notes

- scorecard for S3P
- dcaegen2 work in  **DCAEGEN2-1166** - PM Mapper Logging compliance for current codebase  under <https://gerrit.onap.org/r/#/c/77910/>
- questions on logging format onap-discuss including hv-ves I need to address <https://lists.onap.org/g/onap-discuss/message/14997?p=,,,20,0,0,0::Created,,log,20,2,20,29162034>
 - **Discussion on VNF logs (CLAMP) @Sanjay - with Alok Gupta**
 - **vnf behaviors on top of vnf events**
 - **dmaap TCA like events - look into capturing these**
 - **?add our own log tracing when VNFs react to events - another tracing EPIC we should look at**
 - **both for VES and non-VES format**
 - **There is a gap in tracing VNF behaviour - via 5G RAN -**
 - **cloud infrastructure logs - vm, k8s and cloud service logs (beyond the vm level) - CNI cloud-native plugins example**
 - **need to think more about combining the logs - at the same time as we currently just capture them.**
 - **Provide log requirements to VNF onboarding team.**
 - **Spondon Dey - feeding in to CL, policy - scaling behaviour - onap to drive more**
- infrastructure work
 - Helm ownership -
 - CI/CD - going with Orange MQ robot for oom merges
 - Perf and mostly crashloop avoidance
 - Deploy changes for RHEL7.6
 - Deploy order work
 - ARM A1 testing of new containers from dockerhub on AWS
 - 80g/vm images - reducing footprint, standard alpine java image, ARM/i64 compat
 - Nodeports for dmaap
 - Datalake (now part of DCAE) does not yet affect us but it will -
 - ONS April conference prep work
 - The rest of our backlog is still in progress - M2 is coming up on the 14th
- last week....
- get committed resources for the next 2 months M2 to RC0 - so we can state what is in and out of the Dublin release 9 weeks to april 4th
 - M2 - functionality freeze - 21 Feb
 - M4 - April 4th
 - I have taken the liberty of adding some names - feel free to add your availability or edit this section - we will paraphrase it in the M1 report - [Logging Dublin M1 Release Planning](#)
 - **Michael O'Brien** - 50% direct Logging work - really 40% dev/devops + 10% PTL/TSC/Project - the rest = related ONAP, CD, Doc, OOM, conference/customer,
 - Todo lowered?
 - **Prudence Au** - doing half of the PTL work, template, meets, reviews - especially POMBA with **James MacNider** on reviews - representing on most Thu POMBA meets
 - **Avdhut Kholkar** - thank you for all the commit reviews
 - **Luke Parker** - co-PTL and reference code
 - Sanjay - TODO: % of work on the project
- Meeting at 1200 EST today on ARM docker images (affecting LOG images as we need to get the ARM layer into the image - wrap the dockerhub versions)

 **LOG-331** - Oneclick Kubernetes install for ARM processor backed A1 AWS VMs 
- Stop using "latest" for any image - lock down the version tag for testing stability - see our use of busybox

 **LOG-949** - Change busybox image tag from latest to specific version 1.30.0 for integration stability 
- Good news: We passed M1 last Thu
- Dublin scope finalized for M1
[Release Planning#DublinReleaseCalendar](#)
[Logging Dublin Scope](#)
- New work for dublin
 - Assist in 5G edge work via OOM/AWS work - meet is at 1100 EST Wed with **ramki krishnan's** team
 - plus metric capture via Prometheus -

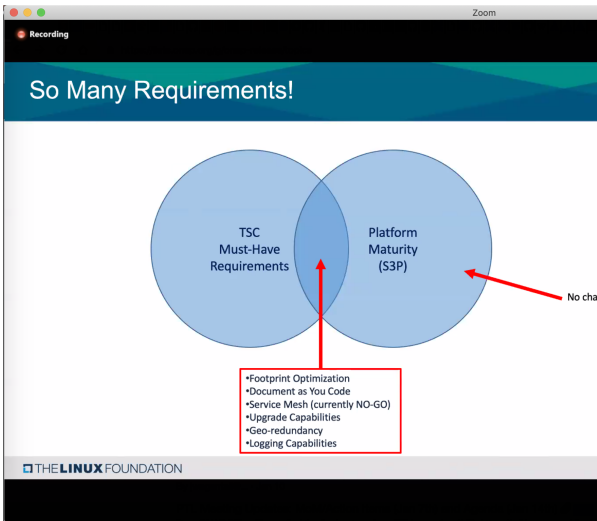
 **LOG-911** - Add Prometheus charts for kubernetes metric streaming into the LOG ELK stack 

 **LOG-797** - Logging El-Alto (moved from) Dublin Scope 
- Review/consolidate JIRAs
- opentrace - will try to get in by april - an LF project
- priority list
 - infrastructure - filebeat sidecars (before DaemonSet refactor) - see [Log Streaming Compliance and API](#)
 - format - via library - portal/sdk - minimal retrofit for markers/mdcs -

 **LOG-688** - Align with Portal/SDK logging library - investigate/run/modify to comply with MDC spec 

 - all s3p - security, perf (aai-log-3**) - scaling - run with 1 logstash
 - Logstash used to be a Daemonset - however the filebeat needs to a daemonset - instead of each sidecar - 1 container per vm - get story
 - Additional tools - get POC for each - determine which goes to production level
 - prometheus - requires coordination with oom and multicloud
 - log checker - pending
 - opentracing - us -

 **LOG-104** - Investigate Jaeger / opentracing / zipkin distributed tracing agent/server 
 - search guard - us

PRI	Title	Responsible	Status	In Dublin	Last Worked on	Start	Notes
			OPEN DONE				
	Security Vulnerability template	Michael O'Brien	Ongoing	IN		20190122	
	M1 template	Michael O'Brien Prudence Au	DONE	IN	20190124	20190122	
	ONS NA 2019 April Talk proposal	Michael O'Brien	DONE	IN		20190122	pending 20190208 decision LOG-947 - ONS NA 2019 April demo code/presentation CLOSED
	Use manifest generation over raw oom values. yaml docker image tag names	Michael O'Brien	DONE	IN	20190124	20190117	pending documentation in RTD Team, In the TSC it was decided to treat the diff between oom and the manifest by alway Casablanca and RC0-2 work Working out the details in https://jira.onap.org/browse/LOG-929 https://onap.readthedocs.io/en/casablanca/submodules/integration.git/docs/index.html /michael
	S3P Logging compliance TSC /PTL	Michael O'Brien	IN PROGRESS	IN	20190115	20190114	PTL 2019-01-14 Log Streaming Compliance and API discussed at last PTL meet with Jason Hunt 
	El-Alto 1.4 logging spec change - plan only todo merge with Dave's below	Michael O'Brien Dave Williamson	IN PROGRESS	IN	20190122		

	Dublin Scope Planning	Michael O'Brien	DONE	IN	20190124	LOG-707 - Logging El-Alto (moved from) Dublin Scope CLOSED Logging Dublin M1 Release Planning
	RTD documentation	Michael O'Brien	OPEN	IN	20180129	Attending Thu 1130-1230 meets
	restart log4j format and files example	Michael O'Brien	IN PROGRESS	IN	201901115	20190108 https:// Gerrit onap.org/rl/#/c/62405/ for LOG-630 - Single logback.xml in OOM onap parent chart CLOSED and LOG-178 - Log Specification Alignment - each onap component CLOSED Log Streaming Compliance and API#DeploymentProfiles
	Work with portal /sdk library	Michael O'Brien	IN PROGRESS	IN	20190129	20190115 Update: 20190129 - Existing eclipse environ for the RI being retrofitted At the pom stage bringing in the jar via portal/sdk in use by aai, dmaap, sdk, vid (vid link into so maybe?) <groupId>org.onap.portal.sdk</groupId> epic LOG-600 - Align with Portal/SDK logging library - investigate/run/modify to cor Jira PORTAL-348 - Investigate/Run/Use/Modify Portal/SDC Logging library to align review investigation in Logging Developer Guide Log Streaming Compliance and API#ExistingLibraryResearch\ Luke Parker discussion need to use the portal library in an initiating project for tx processing working likely with the SO team - via the work we are doing for them in https:// Gerrit onap.org/rl/#/c/62405/ (check the original spec - ODL specific - check appc/sdnc use of ccscdk)
	New Committers		OPEN		20190115	We have room for 2-5 committers and will be reviewing the list Logging Enhancements Project Proposal#KeyProjectFacts add your details to Logging Committer Promotion Requests 20190129 status - waiting on contributor documentation from each contributor
	OPNFV /ONAP Paris		DONE		20190108	https://ddfplugfest19.sched.com/ Tue-Thu Clover Gambia on prior https://zoom.us/j/115579117 - 7 hours ahead https://ddfplugfest19.sched.com/event/K1Gy/opnfv-clover-utilizing-cloud-native-tech
	Security badging	Michael O'Brien	IN PROGRESS	IN	20190129	Need to restart this
	Security Vulnerabilities	Michael O'Brien Prudence Au	IN PROGRESS	IN	20190129	lower - but for M4
	s3p Secure https endpoints LOG + POMBA	for Jason Hunt	OPEN	IN		Discussion on whether we need to lock down the nodeport exposed ports Can key off POMBA work already done todo: get s3p page

Format compliance - working with AAI team + perf	Michael O'Brien	IN PROGRESS	IN	20190115	20181101	20190115 - casablanca cherry pick in queue logstack 5 to 3 and 1 https://gerrit.onap.org/r/#/c/75702/ (+) 20190109 from aai team https://wiki.onap.org/display/DW/2019-01-17+AAI+Developers+Meeting+Open+Agenda "hector has discovered that the stress test jar (liveness probe?) in aai-cassandra is suspected that may cause pod rescheduling)" #6 on 2018-12-20 AAI Developers Meeting around  LOG-376 - Logstash full saturation of 8 cores with AAI deployed on one of the Discussion with @Sanjay Agraharam and [-pau2882] on checking how cassandra is use labelling to split aai-cs and ls - no DaemonSet Michael O'Brien to reduce core count for ls to 1 from 3  LOG-915 - Reduce Logstash core limit to 1 from 3 until LOG-LS and AAI-CS p edited 2019-01-10 AAI Developers Meeting for the 10th
AAI team - 2 types of logging AOP /non-AOP		OPEN	IN		20181101	#22 on 2018-12-20 AAI Developers Meeting
Logging requests from Vendors		OPEN				 LOG-877 - S3P: Logging streaming/format alignment for dublin - China Telec  LOG-876 - S3P: Logging for Core Service/VNF state and transition model - De #15,19 and 37 on SP priorities for Dublin
LOG Streaming compliance		IN PROGRESS	IN			Log Streaming Compliance and API  LOG-487 - LOG Pipeline Integrity: Docker to Filebeat to Logstash to ElasticSe  LOG-487 - LOG Pipeline Integrity: Docker to Filebeat to Logstash to ElasticSe  LOG-952 - POMBA: Some pods do not ship with filebeat CLOSED and PTL 2019-01-14
opentracing via https://opentracing.io/			IN (planning /POC for sure)	20190123		@Sanjay discuss integration - out of band processing -  LOG-104 - Investigate Jaeger / see zipkin arch https://zipkin.io/pages/architecture.html possibly tie both as a client of es ? Tie in to ONS NA 2019 April demo booth for LF https://lists.onap.org/g/onap-discuss/message/15066?p=,,,20,0,0,0::Created,,opentr
discussion - remove				20190108		discuss tick/tack logging spec behaviour - cassablanca implemented in dublin, dublin • Capture any changes to the Casablanca spec to be implemented in Dublin Ac Dublin • verified but take care to keep the baseline spec - keep separation for any char
Log Checker	Cheuk Yiu Horace Ip Lee Breslau		OUT	20190109		Mike to review with Horace
Search Guard	Michael O'Brien	OPEN	Maybe	20180109		 LOG-494 - Use Search Guard Community Edition for TLS REST encryption

	spec changes for Dublin	Dave Williamson		IN (planning)	20190109	20190109	Dublin spec changes for Elalto environment name release name check mail for reply Michael O'Brien Prudence Au proposal of renaming the log file name itself for the release ie: 3.0.0-ONAF
	Cluster logging behaviour S3P	Dave Williamson Michael O'Brien Prudence Au		IN			server name in clustered environments - I will add the details and the Jira right after
	LOG ELK stack indexing /dashboards with Prometheus below		OPEN	IN	20190123		
	Casablanca 3.0.1 work until 10th Jan Including POMBA	Michael O'Brien	DONE		20190122	20190113	 LOG-913 - POMBA: 1 of 11 pods failing on sequenced startup on 3.0.0-ONAF revert Jira for data-router off TSC-92 - pending merge of https://gerrit.onap.org/r/#/c/75999/
	LOG openlab tenant devops cluster creation /testing	Michael O'Brien	Done pending vFW	IN			We have 2 clusters a 1+4 and 1+13 used for testing deployments and running the vfw Logging DevOps Infrastructure
	Wiki edits, RTD review	Michael O'Brien	OPEN	IN			Requiring Updates, Merges or Marked Deprecated
	Metric Streaming and Prometheus	Michael O'Brien Vaibhav Chopra	IN PROGRESS	IN	20181207		 LOG-911 - Add Prometheus charts for kubernetes metric streaming into the L...  LOG-773 - Prometheus integration with the Logging ELK stack for OPS CLOSED  LOG-861 - Dynamic/Live Dashboard for Log Streaming Containers CLOSED work with Vaibhav Chopra  OEM-1504 - Health monitoring for ONAP Platform CLOSED @Sanjay - note the prom chart assumes a k8s environment - what about bare metal
	Finish SO filebeat additions	Michael O'Brien	IN PROGRESS	IN	20181207		 SO-1110 - Re-add Filebeat sidecars to SO after 2-9 container refactor CLOSED https://gerrit.onap.org/r/#/c/69947/
	Finish LOG common charts	Michael O'Brien	OPEN	OUT to Elalto	20190123	20181207	James MacNider - bring in Prianka's common eLK charts and use them in Clamp, L... https://gerrit.onap.org/r/#/c/64767/  LOG-943 - Common ONAP Elasticstack Artifacts CLOSED revert to Elalto under  LOG-936 - Common ELK Helm Charts CLOSED

	Team Members Thank you and review		OPEN	IN			- Shane Daniel to be removed - moved on to AI work - thanks for everything doi - Lee Breslau - Luke Parker - Michael O'Brien - Dave Williamson @Sanjay Agraharam - Lorraine Welch - James MacNider - Prudence Au - Anthony Manuel - Cheuk Yiu Horace Ip
del	Review last 4 weeks since LOG Meeting Minutes 2018-12-05		IN PROGRESS				TSC-79 - LF Nexus3 routing slowdown starting 20181217 - 80-100x slo https://lists.onap.org/g/onap-discuss/topic/onap_helpdesk_65866/28800220?r= https://wiki.onap.org/display/DW/Cloud+Native+Deployment#CloudNativeDepl
	TSC /PTL meet actions		IN PROGRESS				- TSC 2018-12-20 - TSC 2019-01-03 - PTL 2019-01-07
	OOM transfer chart owners hip to teams LOG is part of poc	Michael O'Brien Mike Elliott	IN PROGRESS	IN	20190107		Starting - will have a training session - will send out any meetings to onap-discuss We may have the same symlink repo folder like we do for doc Last discussed TSC 20180109
	OOM Deployment priority base platform includes LOG	Michael O'Brien Mike Elliott	IN PROGRESS	OUT todo review with Mike Elliott	20190123	20181207	Q2) priority of system level containers like the ELK stack - OOM has a common serv There is a cd.sh retrofit that sequences the pods in order for deployment stability - th LOG-898 - ONAP Deployment Resiliency changes to deploy without POD fail LOG-326 - CD: OOM automated deployment script CLOSED https://gerrit.onap.org/r/#/c/75422/ via ONAP Development#WorkingwithJSONPath DCAEEN2-1067 - Deploying DCAEEN2 late in a sequenced deployment w
	k8s manifest or oom values. yaml for docker tags - truth	Michael O'Brien	IN PROGRESS		20190123		TSC-86 - Lock down docker image tag name source of truth - oom values.yam TODO: paste TSC review - manifest is truth RTD doc link to run the script to get the yaml override
	Nexus3 routing slowdown	Michael O'Brien	DONE		20181222		TSC-79 - LF Nexus3 routing slowdown starting 20181217 - 80-100x slower do 20181217-22 LOG-898 - ONAP Deployment Resiliency changes to deploy without POD fail
	LOG compliance diagram /exercise	Michael O'Brien @Sanjay Agraharam	IN PROGRESS		20181205		Log Streaming Compliance and API part of prometheus work now Sanjay - diagram FB must be split between using AOP and AOP+spec compliant - o
	Ongoing						
	CI/CD pipeline TSC poc	Michael O'Brien	IN PROGRESS		20180107		TSC-25 - Task Force to implement CD (Continuous Deployment) CLOSED LOG is part of this poc https://lists.onap.org/g/onap-discuss/topic/cd_task_force_tsc_25_meetings/2900164

- Team Members
 -
- Review last 4 weeks since [LOG Meeting Minutes 2018-12-05](#)

 **TSG-79** - LF Nexus3 routing slowdown starting 20181217 - 80-100x slower download times totalling 120+ hours - using nexus3/4.
onap.cloud proxy for now CLOSED

 - https://lists.onap.org/g/onap-discuss/topic/onap_helpdesk_65866/28800220?p=,,,20,0,0,0::recentpostdate%2Fsticky,,,20,2,0,28800220
 - <https://wiki.onap.org/display/DW/Cloud+Native+Deployment#CloudNativeDeployment-NexusProxy>
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Notes