

# Logging Beijing - M3 Architecture Review

Copied template from the AAI project - Thank [James Forsyth](#)

## Delta from R1

Started the library (for cassablanca)

[LOG-418](#) - Add Logging Reference Impl example and AOP wrapper on Logging library CLOSED

Deliver python library [MULTICLOUD-151](#) - Logging Enablement CLOSED in the logging repo via the Multicloud team ([ramki krishnan](#), [Shankaranarayanan Puzhavakath Narayanan](#), and [Sastry Isukapalli](#) interested). Note: [Sastry Isukapalli](#) has an implementation based on ECOMP's EELF for Python and can share notes and code from that.

Sonar must be above 50%, and address CLM

## Future Cassablanca

1. We retrofitted the project as a Java project (jenkins, sonar)
2. We are developing a Java RI - planning completion for Cassablanca

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

[LOG-418](#) - Add Logging Reference Impl example and AOP wrapper on Logging library CLOSED

3. The Multicloud team has committed a python RI under

[LOG-161](#) - Python version of AOP logging library required CLOSED

4. The Multicloud team is retrofitting our repo for python

[MULTICLOUD-151](#) - Logging Enablement CLOSED

5. We are looking at alternatives to the sidecar for the filebeat container

[LOG-169](#) - Document alternatives to the filebeat agent as etherial PV sidecar container for the ELK stack CLOSED

6. we are looking at out of the box transaction tracing libraries like opentrace

[LOG-104](#) - Investigate Jaeger / opentracing / zipkin distributed tracing agent/server CLOSED

7. we are looking to investigate logging in DCAEGEN2 - first step was to bring up the full DCAE stack

[LOG-167](#) - get DCAEGEN2/designate running on OOM-HEAT bridge - for closed-loop logging CLOSED

## S3P Updates

[LOG-154](#) - Platform Maturity: Beijing required security badging procedure CLOSED

1. Security

- a. Logging RI:

[LOG-354](#) - secure kibana - both Logging and CD CLOSED

[LOG-186](#) - S3P: add cert to Kibana port - coordinate with AAF CLOSED

98% for

<https://bestpractices.coreinfrastructure.org/projects/1578>

[blocked URL](#)

- b. SONAR code coverage. Plan is to get to >50% on all repos.

- c. **TODO: communicate with security team**

- d. Nexus IQ scans:

2. Scalability and Resiliency

- a. Working closely with OOM team (all Logging developers are also OOM contributors)

- b. Relying on kubernetes to manage Logging ELK stack resilience

3. Performance and stability

- a. Focus to this point has been security and scalability/resiliency. We will participate in the integration team's performance testing

- b. ELK stack can meet soak test requirements

4. Manageability

- a. Logging Filebeat sidecar refactor  
Possible sidecar refactor to use a daemonset in

 [LOG-169](#) - Document alternatives to the filebeat agent as etherial PV sidecar container for the ELK stack CLOSED

- b. ELK stack can be instantiated in < 1hr - around 5-10 min as part of overall OOM deployment
5. Usability

## Deployment Configuration Alignment

- 1. We are aligning with the centralized configuration work in OOM

 [OOM-740](#) - Add Standardized Configuration to LOG CLOSED

## API Updates

We currently have no logging library for Beijing - the stub work is in

 [LOG-118](#) - Add Logging Reference Impl example and AOP wrapper on Logging library CLOSED