



# Logging Beijing - M3 Architecture Review

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

## Delta from R1

Started the library (for cassablanca)


 [LOG-448](#) - Add Logging Reference Impl example and AOP wrapper on Logging library CLOSED


Deliver python library  [MULTICLOUD-154](#) - 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-448](#) - Add Logging Reference Impl example and AOP wrapper on Logging library CLOSED


3. The Multicloud team has committed a python RI under

 [LOG-461](#) - Python version of AOP logging library required CLOSED


4. The Multicloud team is retrofitting our repo for python

 [MULTICLOUD-154](#) - Logging Enablement CLOSED


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

 [LOG-469](#) - 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-484](#) - 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-467](#) - get DCAEGEN2/designate running on OOM-HEAT bridge - for closed-loop logging CLOSED

## S3P Updates

 [LOG-454](#) - Platform Maturity: Beijing required security badging procedure CLOSED

1. Security
  - a. Logging RI:

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

 [LOG-486](#) - S3P: add cert to Kibana port - coordinate with AAF CLOSED


98% for

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

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- 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-749](#) - 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