ARC Logging Component Description - Dublin
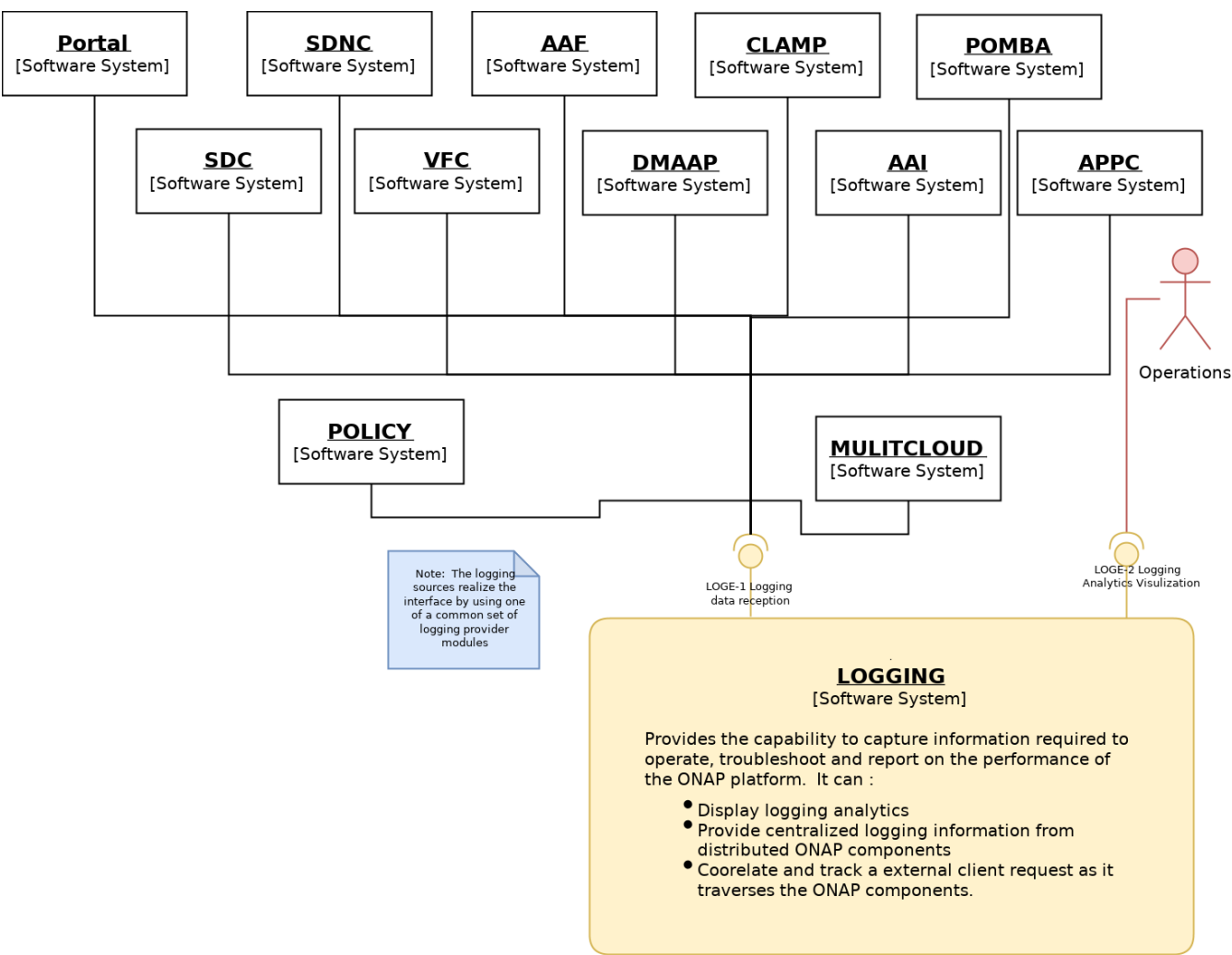
Logging :

1 High Level Component Definition and Architectural Relationships

The Logging functional entity provides the capability capture information required to operate, troubleshoot and report on the performance of the ONAP platform. It can :

- Display logging analytics
- Provide centralized logging information from distributed ONAP components
- Coorelate and track a external client request as it traverses the ONAP components.

Note: The logging data reception information is provided by the support of the logging source using a component.

2. API definitions

LOGGING provides the following interfaces:

Interface Name	Interface Definition	Interface Capabilities

LOGE-1	Logging data reception interface	Provides the ability of the logging source to export logged data
LOGE-2	Logging Anaytics visulization interface	Provides the ability to display and query logging information.

Note: xxxI interface is a Component internal interface. xxxxE interface is a component external interface

The current API documents can be found at:

As the LOGE-1 interfaces is a replication of internally stored log data, there is not a specification interface in a traditional sense. Logging guidelines can be found at: https://docs.onap.org/en/casablanca/submodules/logging-analytics.git/docs/Logging_Enhancements_Project/logging_enhancements_project.html?highlight=log

Logging consumes the following Interfaces:

Interface Name	Purpose Reason For Use
-	-

3. Component Description:

A more detailed figure and description of the component.

<< For later inclusion >>
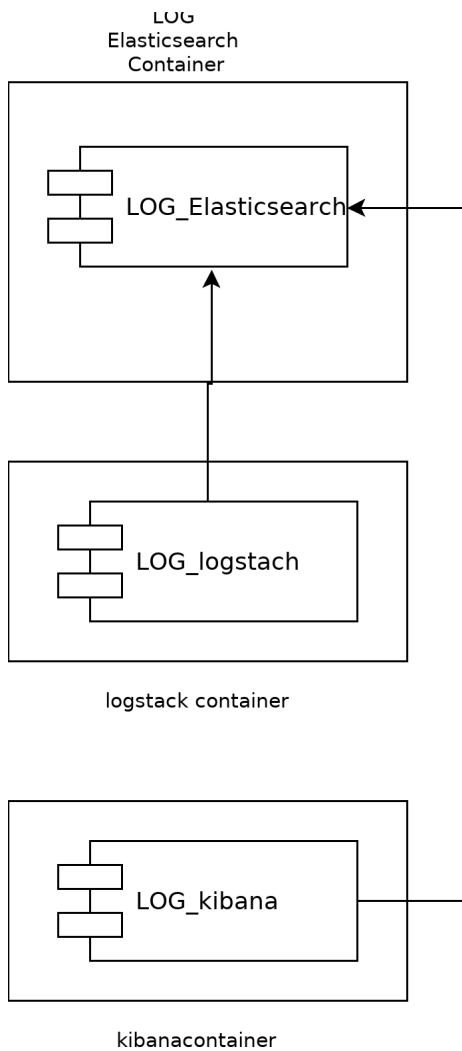
4. known system limitations

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5. Used Models

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6. System Deployment Architecture

Logging consists of 3 containers:

elasticsearch

logstach

kibana

LOG
Elasticsearch
Container

LOG_Elasticsearch

LOG_logstach

logstack container

LOG_kibana

kibanacontainer

7. New Capabilities in this Release

This release, LOGGING adds the following Capabilities:

- Add prometheus charts for kubernetes metric streaming
- Support for more projects

8. References

Logging Guide: https://docs.onap.org/en/casablanca/submodules/logging-analytics.git/docs/Logging_Enhancements_Project/logging_enhancements_project.html?highlight=log