

# Alarm



## Reference Implementation Based on near-RT RIC

This section documents the details of the O-RAN App SDK which is primarily covering the implementation for near-RT RIC xApps. information about how the O-RAN App SDK will evolve to cover other O-RAN apps can be found [here](#).

## Description

RIC alarm system implements two components: Alarm Adapter and application library interface

The *AlarmAdapter* is responsible for managing alarm situations in RIC cluster and interfacing with Northbound applications such as *Prometheus AlertManager* to post the alarms as alerts. *AlertManager* takes care of deduplicating, silencing and inhibition (suppressing) of alerts, and routing them to the *VESAgent*, which, in turn, takes care of converting alerts to faults and sending them to ONAP as VES events.

The *Alarm Library* provides a simple interface for RIC applications (both platform application and xApps) to raise, clear and re-raise. The *Alarm Library* interacts with the *AlarmAdapter* via RMR interface.

## Bronze Release Version

Bronze Release development (master branch) version 0.4.4 (7 May 2020)

## Gerrit Repo

<https://gerrit.o-ran-sc.org/r/admin/repos/ric-plt/alarm-cpp>

<https://gerrit.o-ran-sc.org/r/admin/repos/ric-plt/alarm-go>

## Project WIKI Page

[RIC Alarm System](#)

## Project README.md

<https://gerrit.o-ran-sc.org/r/gitweb?p=ric-plt/alarm-go.git;a=blob;f=README.md;h=a9d1595a61254537c341630aba4f3b26010c2431;hb=refs/heads/master>

## Primary Contact

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