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## **Phoebus Alarm System: Micro Services for Logging and Management.**

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An effective and useful alarm system is one which produces alarms which are well defined both in terms of its causes and the corrective actions to be taken at the same time it avoids overwhelming the user with noisy and numerous alarms. To achieve these goals it is imperative to ensure that the alarm configuration is properly populated, tuned, and maintained.

The new phoebus alarm system based on kafka allows for easy development and deployment of microservices to facilitate configuration management of the alarm server.

Two such services include:

The alarm logger, a service which records all the alarm state changes, user actions, and configuration changes into an elastic backend for analysis and reporting.

The alarm config logger, which records configuration changes to the alarm configuration.

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