# Argus

The diagram illustrates the integration of Argus with other tools such as Cloud, Zabbix, Nagios, and Juniper. The Argus REST API serves as the central hub connecting these tools. The interface shows a section for incidents with details such as timestamp, status, severity level, source, and description. The table includes columns for incident details, with timestamps ranging from 2023-04-28 to 2023-04-06. The last refresh date is 2023-04-03 16:35:56.
Argus - Alarm Aggregation and Correlation Tool

Argus is a tool for NOCs and service centers to aggregate incidents from all their monitoring applications into a single, unified dashboard and notification system. Most NOCs will, out of necessity, use a myriad of applications to monitor their infrastructure and services. In turn, they need to contend with manually managing notification profiles and monitoring dashboards in each individual application. Argus mitigates these scenarios by providing the NOC with a singular overview of actionable incidents, and by providing a single point of notification configuration.
Argus is agnostic of the details of each monitoring application, but instead provides a REST API to report new incidents, and to search, fetch or update the status of already registered incidents. Glue services for several source applications already exist, and more can be easily written using the documented API and/or existing API client libraries for Python. Incidents are associated with a source application and can be tagged with arbitrary metadata from the source application, including URLs to drill down into incident details in the source application. Metadata can be used to make arbitrary incident filters, which can be applied both in the dashboard UI and in notification profiles. Mechanisms also exist to add acknowledgements to incidents, and to link incidents with tickets in the NOC’s ticketing application. The data model even supports registering inter-relationships between incidents. Notifications via e-mail and SMS are supported, while more mediums are planned (such as Slack and Microsoft Teams).

Argus has been proven useful in providing a distinct interface between individual product teams and the organization’s NOC when it comes to defining which monitoring alerts should be handled by the NOC, and which ones the product teams will handle themselves. Argus is open source and is mainly developed by resources from Sikt (Norway), and is currently in production use at Sikt and SUNET (Sweden).

Argus was presented at the Infosheare "Offering Campus Network Management as a Service: Challenges and Lessons Learnt" (October 2020), the Workshop on Network Monitoring and Management Tools (March 2021), the GÉANT Infosheare "Tools for Campus Network Management as a Service (CNaaS) (April 2021)", the 14th SIG-NOC meeting (June 2021) and the 25th STF meeting (February 2022), the 27th STF meeting in Zürich (October 2022), Argus Infosheare (November 2022, see "Argus explained for videos)."