

# Argus

- an alarm aggregation and correlation tool

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# Agenda

1. Why Argus? What is it?
2. Live Argus demo: typical workflow at our NOC in Trondheim
3. Argus roadmap – new features coming up
4. Planned maintenance tools anyone? – live survey
5. Q & A

A story from our NOC in Trondheim...

<b>NAV</b>	Microdep perfSONAR	 TimeMap	JUNIPER driven by Mist AI	aruba CLOUD
<b>NAV</b>	NeMo	ZINO	ZABBIX	<b>NAV</b>
<b>NAV</b>	SiLK	 Infinera TNMS	NOKIA NFM-T	<b>NAV</b>
<b>NAV</b>	<b>NAV</b>	<b>NAV</b>	<b>NAV</b>	<b>NAV</b>



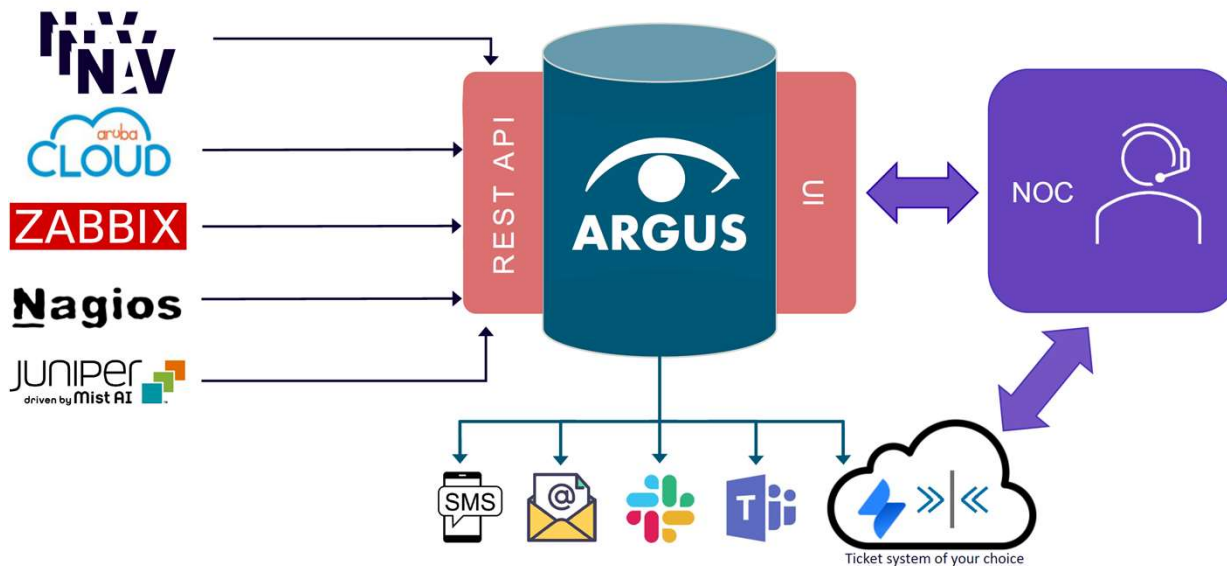
One Screen To Display Them All

The screenshot shows the ARGUS web interface with the following components:

- Navigation:** ARGUS logo, INCIDENTS (active), TIMESLOTS, and PROFILES tabs. A NOC user icon is in the top right.
- Filters:** Open State (OPEN, CLOSED, BOTH), Acked (ACKED, UNACKED, BOTH), Sources (Source name input), Tags (service=Campus\_CNaaS, key=value), and Max level (5 - Information).
- Filter Section:** A search bar and a "Select from your filters" dropdown.
- Incidents Table:**

	Timestamp	Status	Severity level	Source	Description	Actions
<input type="checkbox"/>	2022-04-28 09:56	Open Non-acked	3 - Moderate	nav.customer1.example.org	box down example-sw.customer1 192.168.42.42	
<input type="checkbox"/>	2022-04-27 11:42	Open Non-acked	4 - Low	mobility-master.example.org	AP down: AP1553 at somecollege	
<input type="checkbox"/>	2022-04-02 13:12	Open Acked	1 - Critical	nav.customer1.example.org	box down main-gsw.customer1 192.168.0.1	 
<input type="checkbox"/>	2022-04-02 09:32	Open Acked	3 - Moderate	nav.someschool.example.org	nav.devices.holophonor-sw1_someschool.sensors.xe-1_2_2_jnxDomCurrentRxlaserPower exceeded at -37.32 <-14	
<input type="checkbox"/>	2022-04-02 08:32	Open Acked	2 - High	zabbix.example.org	slurm.example.org: Software RAID: Device md0 is active,degraded	 

# Argus – an alarm aggregation and correlation tool

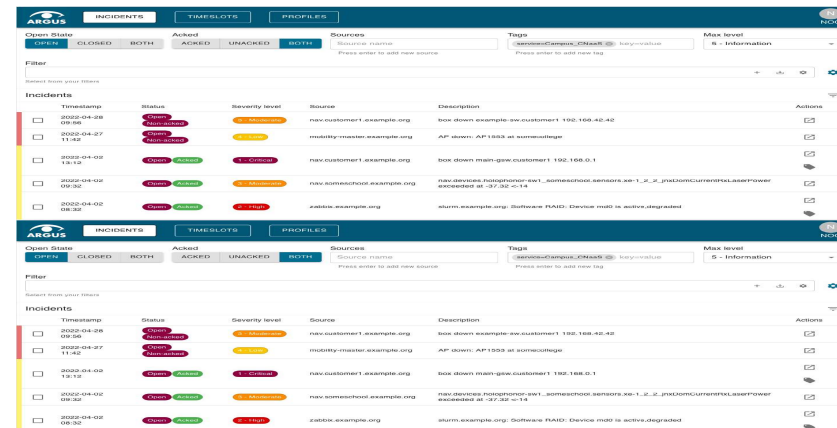
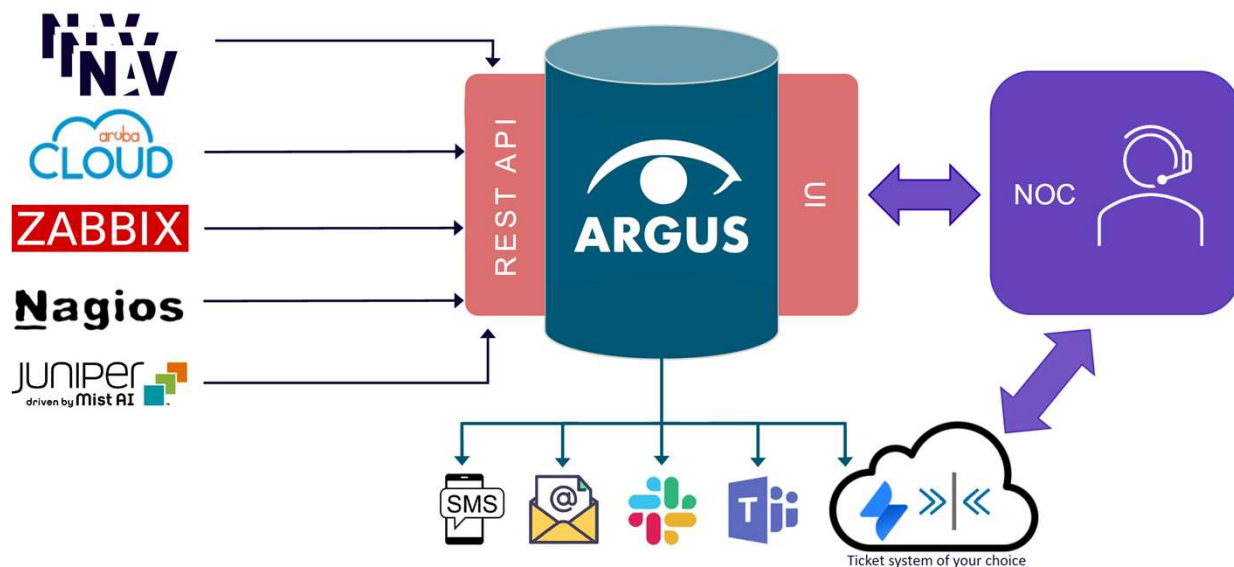


Argus fills a niche in the market  
being good at one thing  
– managing your alarms

Argus...

- receives alarms from underpinning monitoring tools
- does not do monitoring itself

# Argus – an alarm aggregation and correlation tool



- Provides a single, unified dashboard in the NOC
- annotate and acknowledge alarms
- integrate alarms with tickets in your ticket system

- Easy to integrate your monitoring applications with Argus
- Alarms can be tagged with arbitrary metadata
- Classify alarms in five severity levels
- Provide URLs back to source tool for details

- Federated login (OATH)
- Sort and filter alarms in your view
- Setup flexible, personal notification profile

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# Argus roadmap

- Asynchronous notification handling
- Implement more glue services (more integrations)
- Incident correlation
- Argus as a Service – makes it easy for you to try it out!
- Planned maintenance support?



One Screen To Display Them All

- Developed within the GÉANT community (WP6)
- Open source – free for you to use
- Classified as a GÉANT production ready system

#### More info and contacts

- <https://network.geant.org/argus/>
- [argus@lists.geant.org](mailto:argus@lists.geant.org)
- [Vidar.Faltinsen@sikt.no](mailto:Vidar.Faltinsen@sikt.no) (service owner)
- [Morten.Brekkevold@sikt.no](mailto:Morten.Brekkevold@sikt.no) (service manager)

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