## Road to Zabbix in 2024

Implementing and migrating monitoring

4.10.2024 Antti Hurme



#### Antti Hurme

- Senior Solution Architect at Elisa Oyj -IT and Telco Services (Finland)
- Working with datacenters for over a decade
  - Hardware, Storage, Virtualization, Automation...
- Zabbix experience since version 2.0















#### Elisa in brief

#### **Our mission:**

# A SUSTAINABLE FUTURE THROUGH DIGITALISATION







5,700 Elisians in 20 countries



#### For core markets

- Telecom
- Entertainment
- IT services

#### For international markets

- · Telecom software
- · Industrial software
- Energy management



## Greenfield monitoring in Elisa with Zabbix



- What technologies and methods are available?
- What are our capabilities to maintain said solutions?
- Understanding your availability requirements
- Important questions for Elisa;

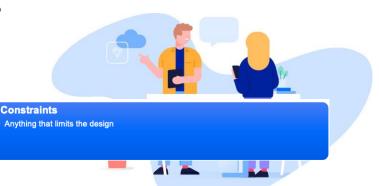
Monitorina reliability during outages

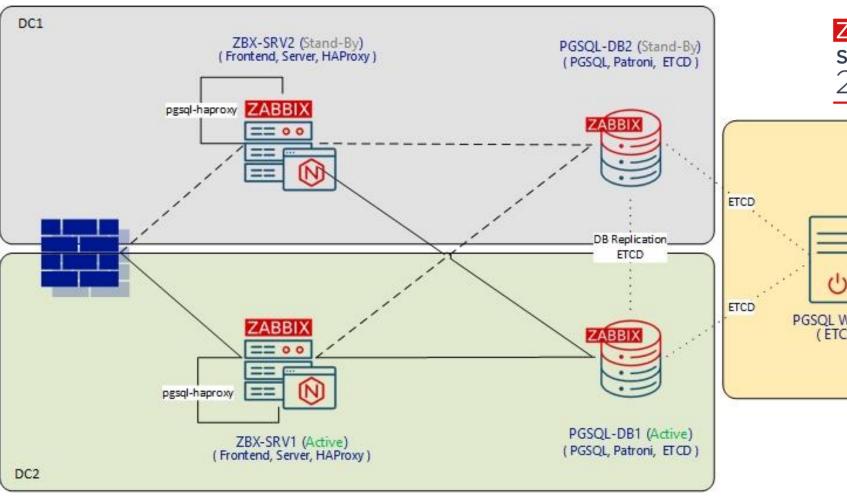


**Business requirements** 

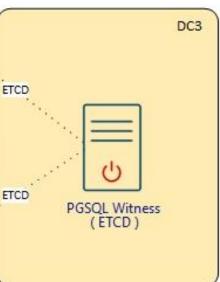
- Provided by key stakeholders
- Describes what should be achieved, avoid vague requirements
- Conflicting Goal

Zabbix publishing and networking

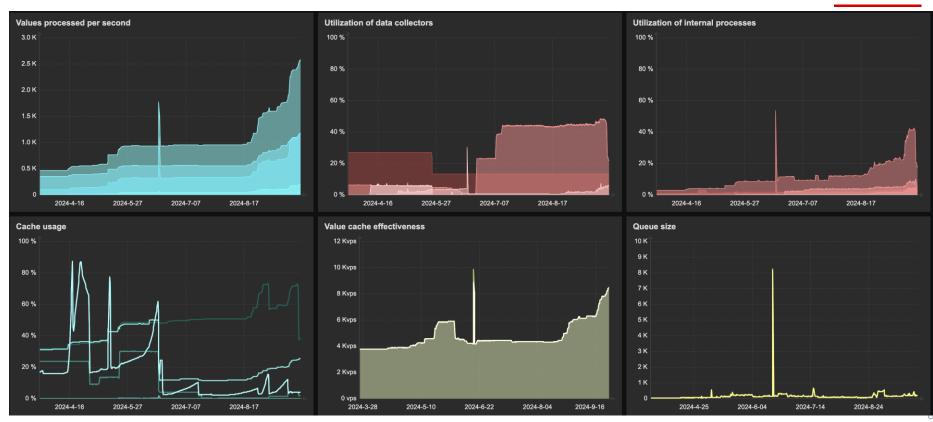








#### ZABBIX summit 2024



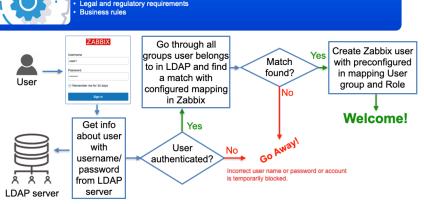
# Importance of Identity and Access Management (IAM) with Zabbix



- Protecting the organizations data with the help of Roles and Access privileges (RBAC)
- Within Elisa we've enabled self-service for users to request permissions for Zabbix



Zabbix introduced JIT with version 6.4!



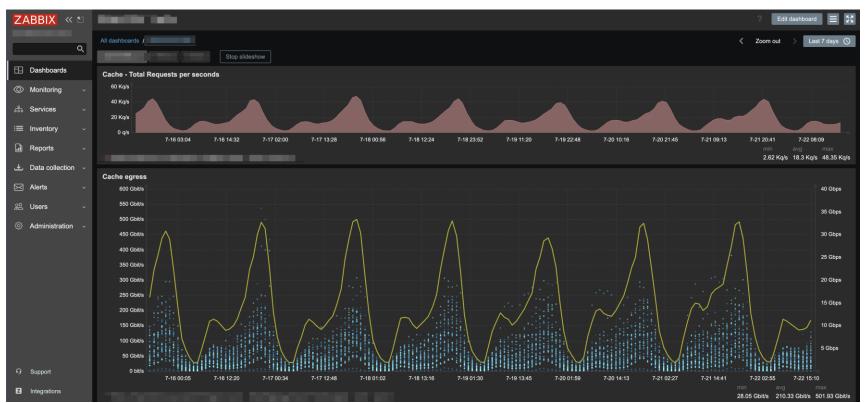
(....describe what the solution must be able to deliver)

Functional requirements

Authentication, Audit Tracking

#### Zabbix Dashboards





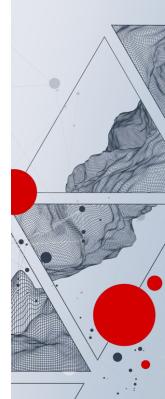
### Maintain a healthy CMDB

- At Elisa, we are committed to maintaining our assets to ensure the reliability and accuracy of our CMDB.
- Our objective was to streamline the process of collecting and maintaining information
- We used Zabbix tags and inventory to..
  - Action routing based on CI support group
  - Escalation and notifications based on SLA
  - Enable user access to monitoring data
  - Create links between CMDBs and Zabbix

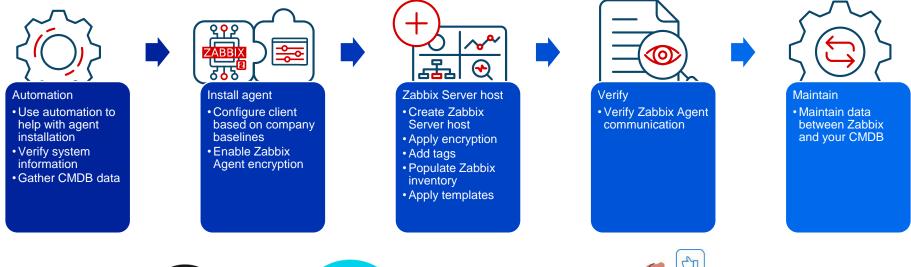


Know your master data, and keep it up to date!





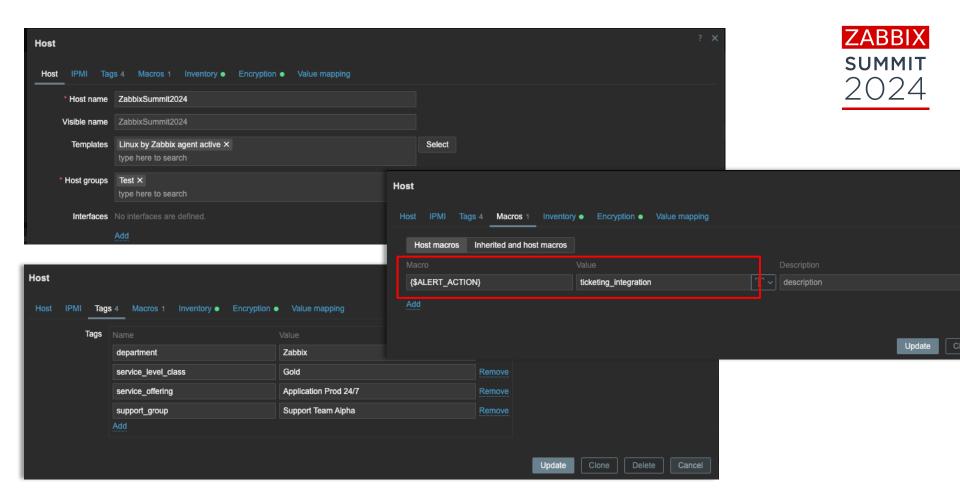
## Maintain Zabbix and a healthy CMDB with Ansible

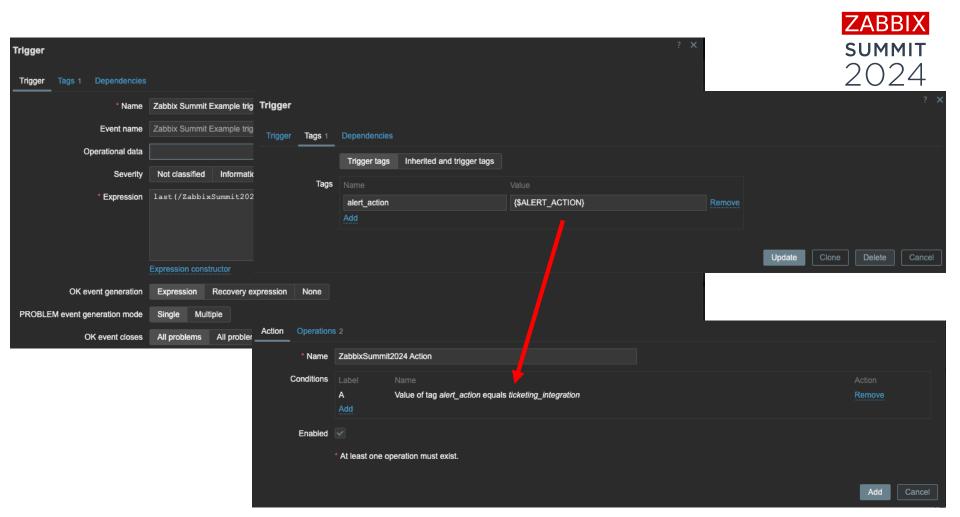










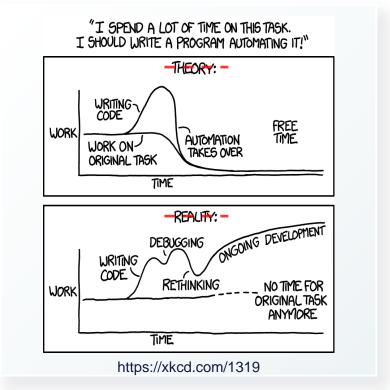




Zabbix improves all the time, new features enables better integration

It's good to challenge the way you are familiar working with

Automating deployment of Zabbix agents was worth the effort



# Thank You!



**Senior Solution Architect** 



