Model-driven Audit Trail Logs Infrastructure for Telco VNFs

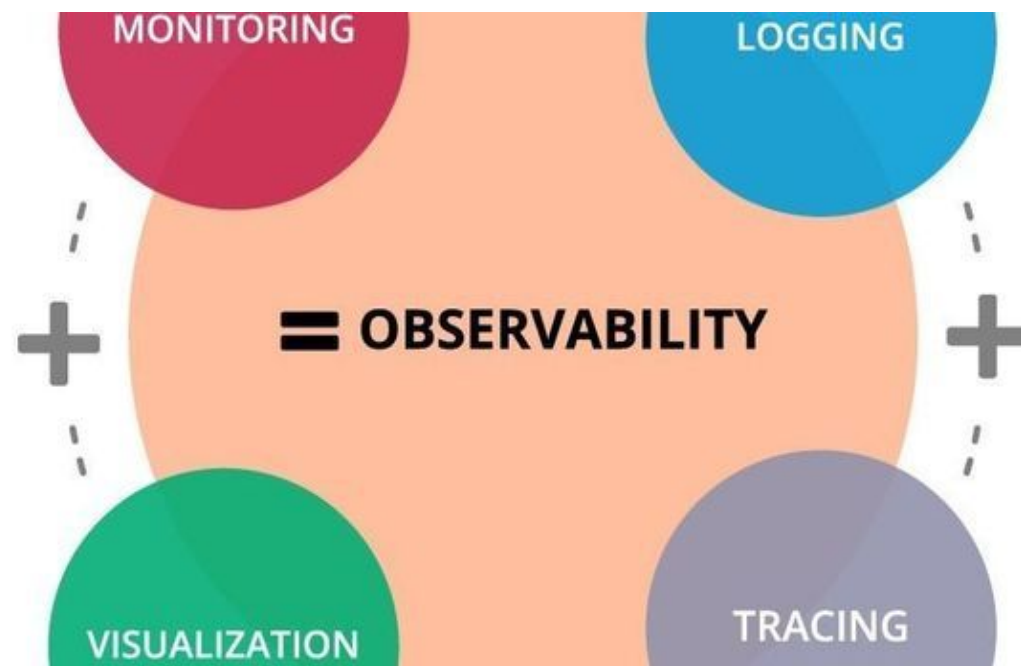Maceij Mazur (Product Manager)
Wajeeha Hamid (Product Manager)

Network function is not alone

*NF's non functional requirements

- Monitoring
- Logging
- Audit
- Security controls
- KPIs
- Visualization...

Observability
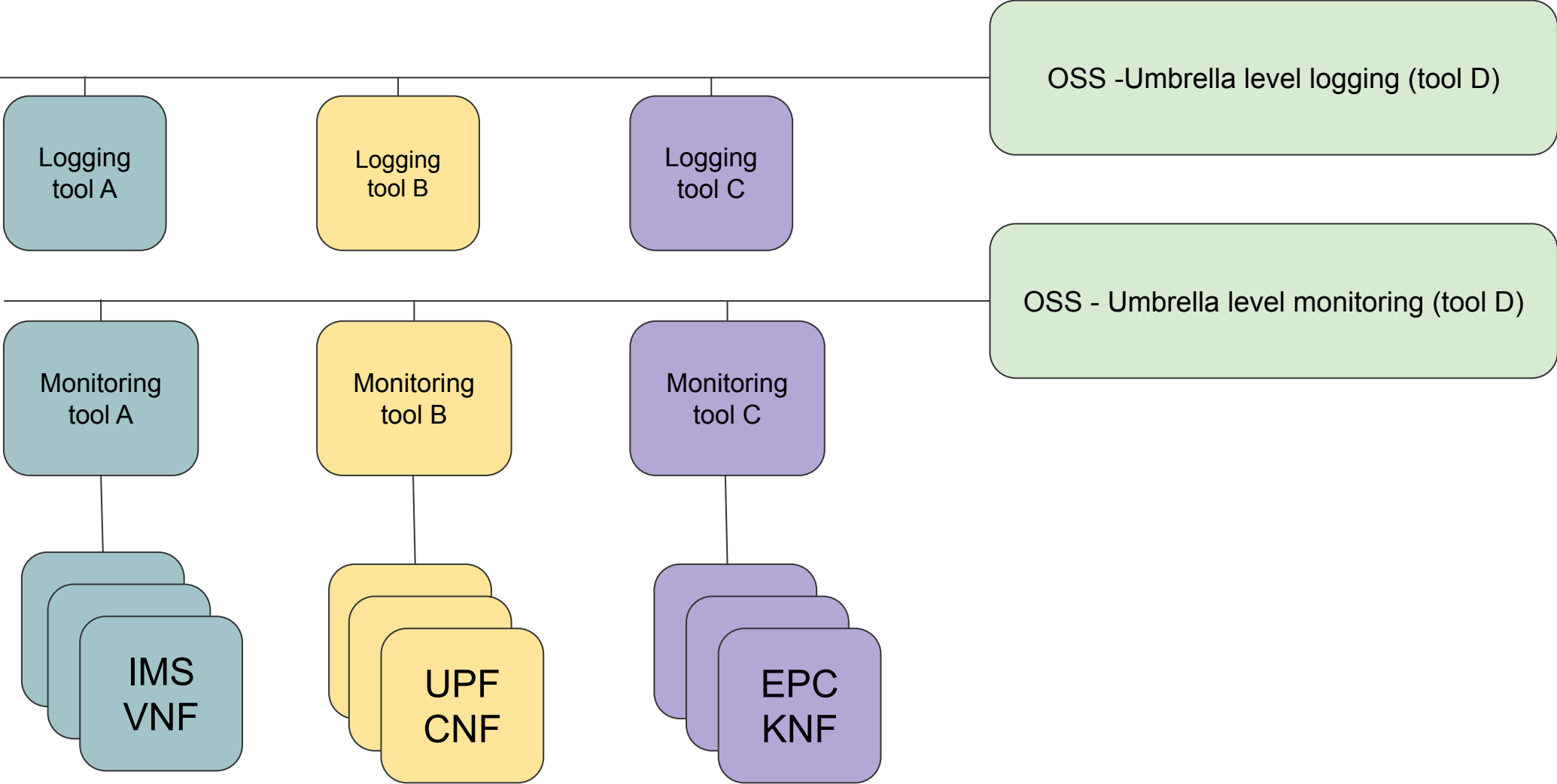
Monitoring

Logging, tracing, chaos engineering

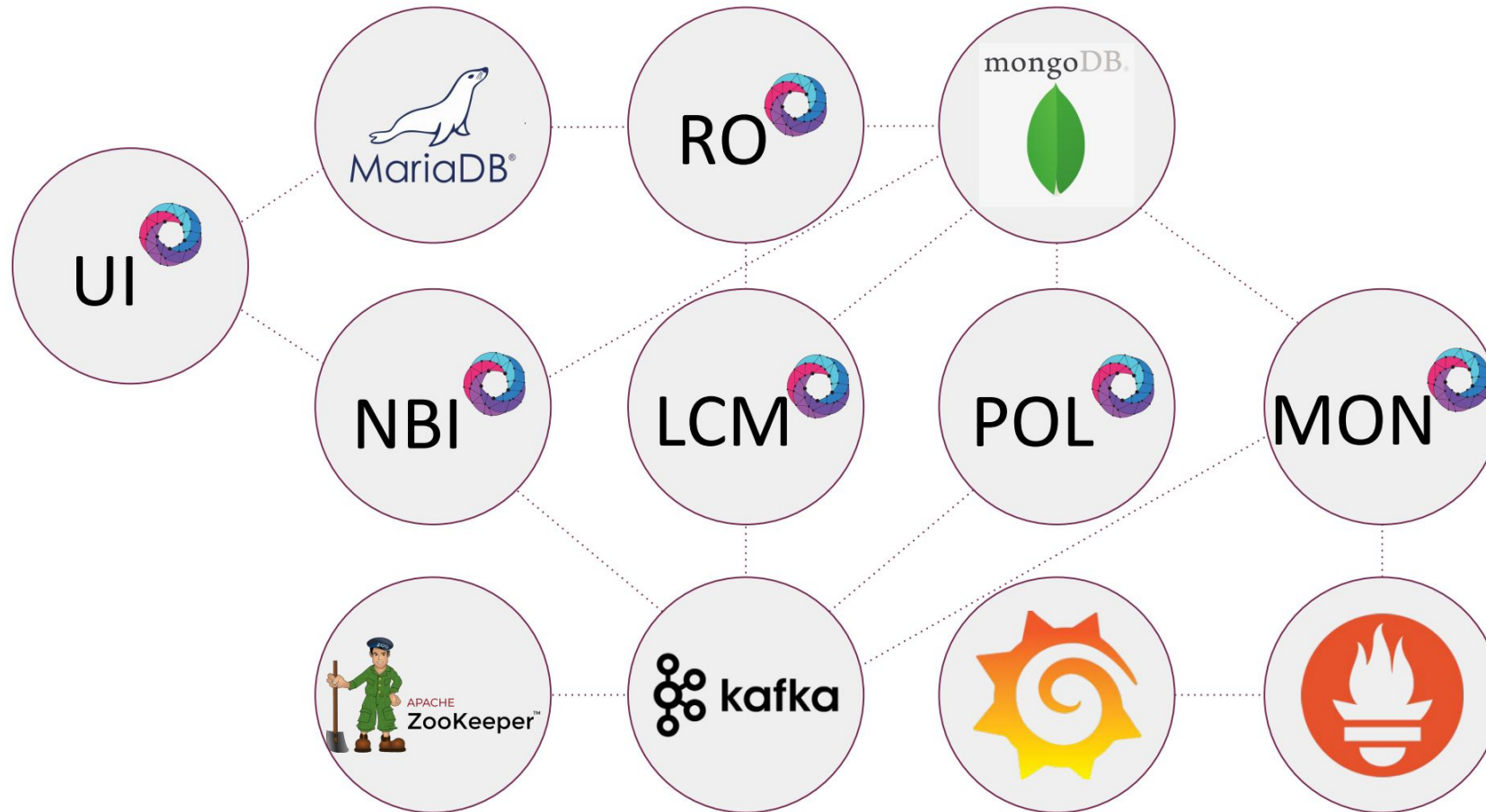# Individual approach vs single pane of glass

Open Source MANO

How OSM deployment works

Network Function Charm

"I can use a MySQL database"

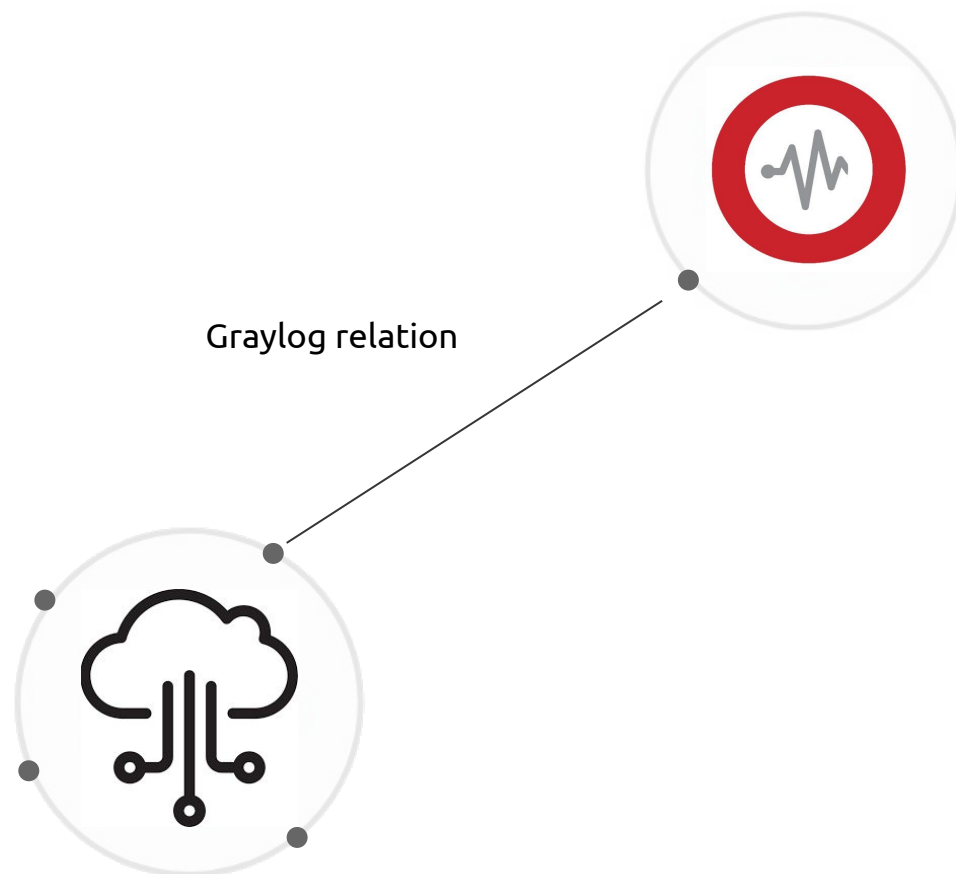"I can send my audit logs"

"I can send my KPIs every minute"
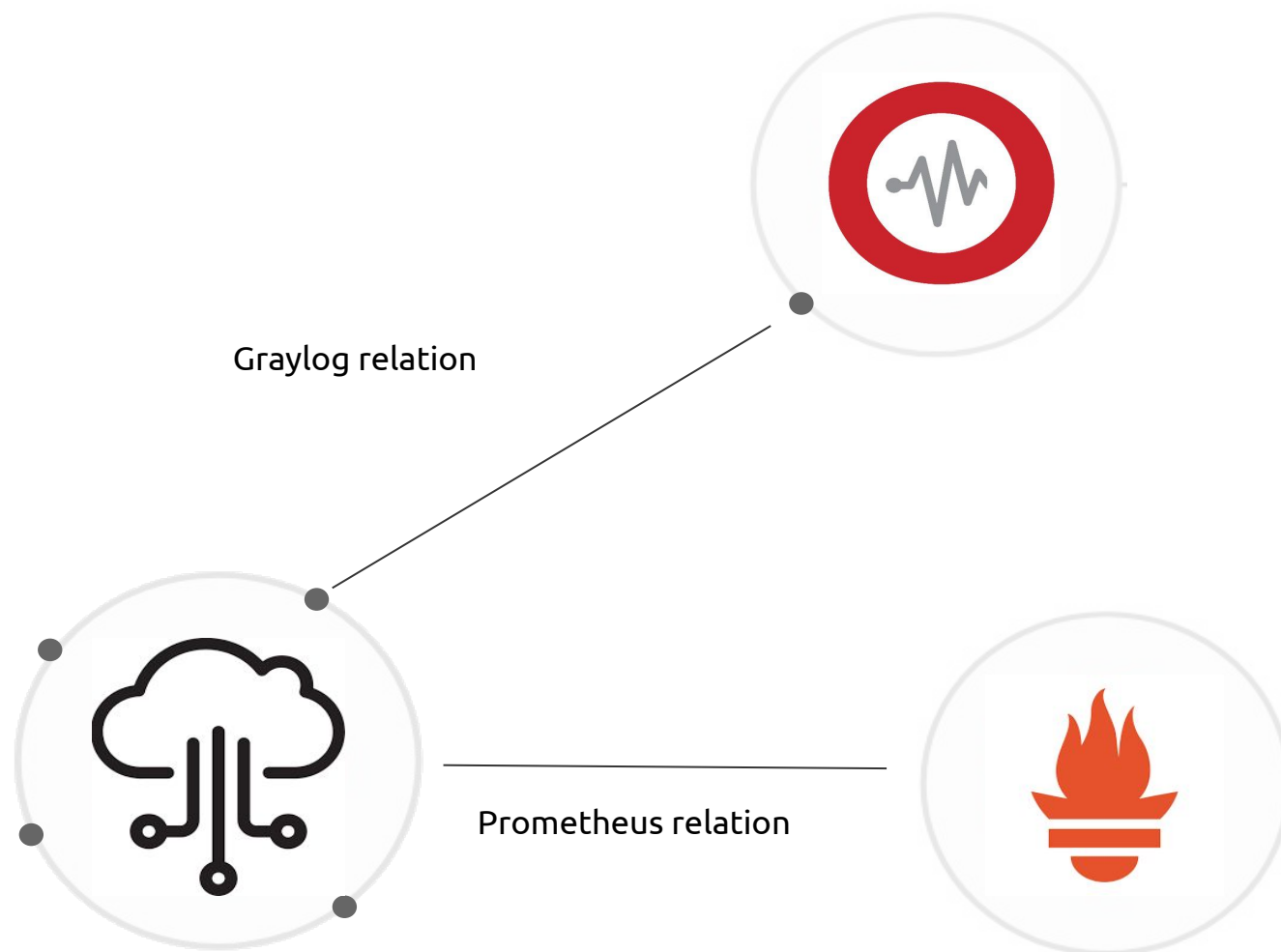
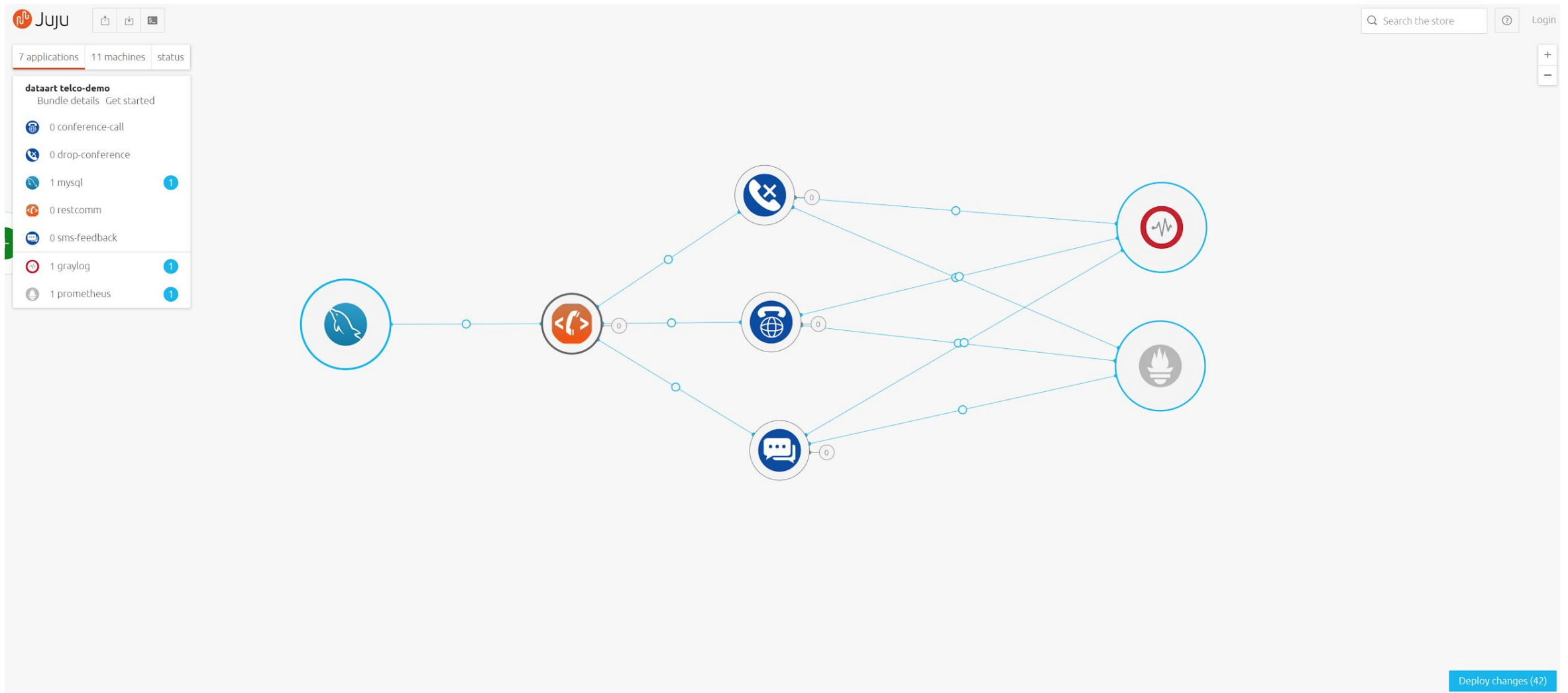"I can collect audit logs"

"I can send my audit logs"
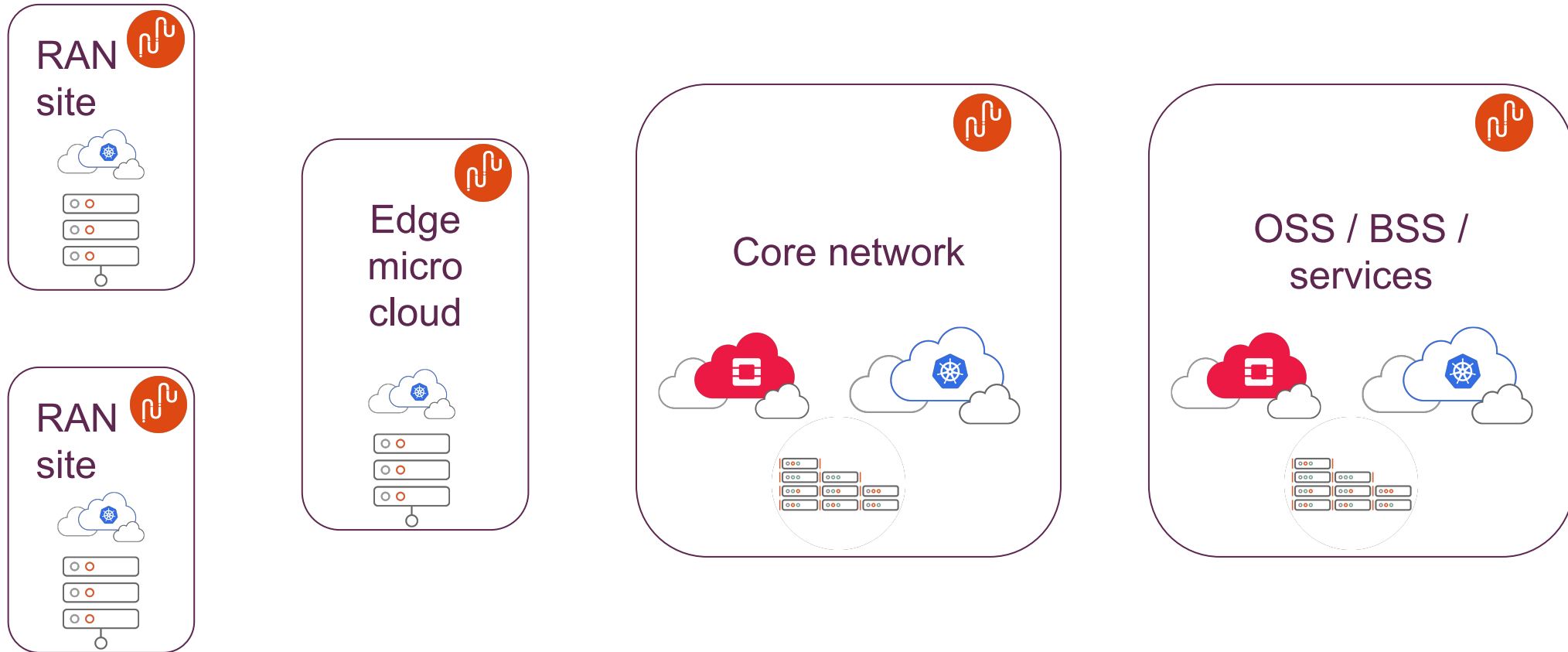
NF Charm Relations

Graylog relation

Graylog relation

Prometheus relation

Juju UI

Same tools across all environments

Kubernetes

OpenStack /
Cloud

Bare metal

Enable NFRs across entire ecosystem

Benefits

- Easier and faster to build new network functions

- Pick and choose your LMA tools

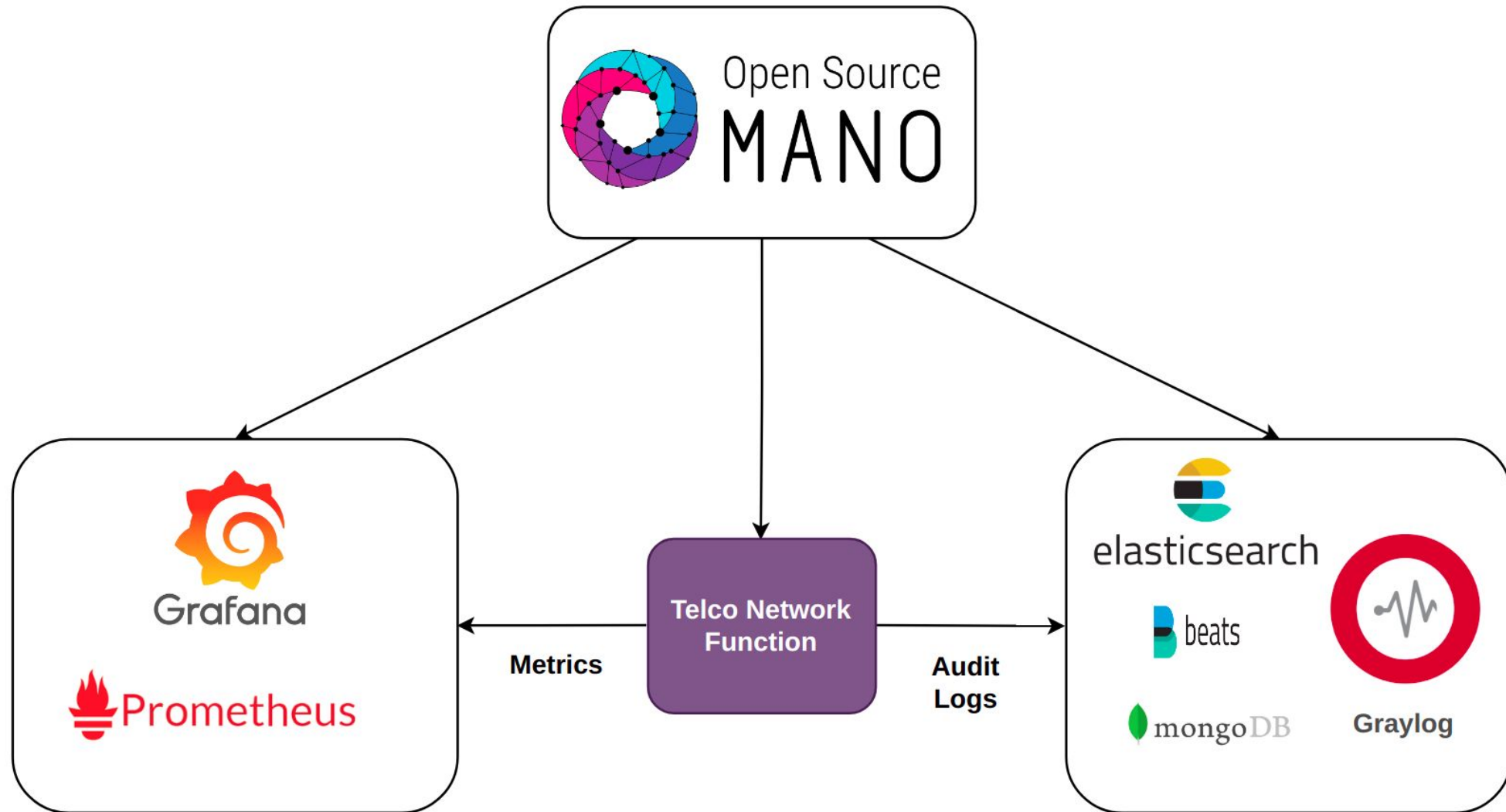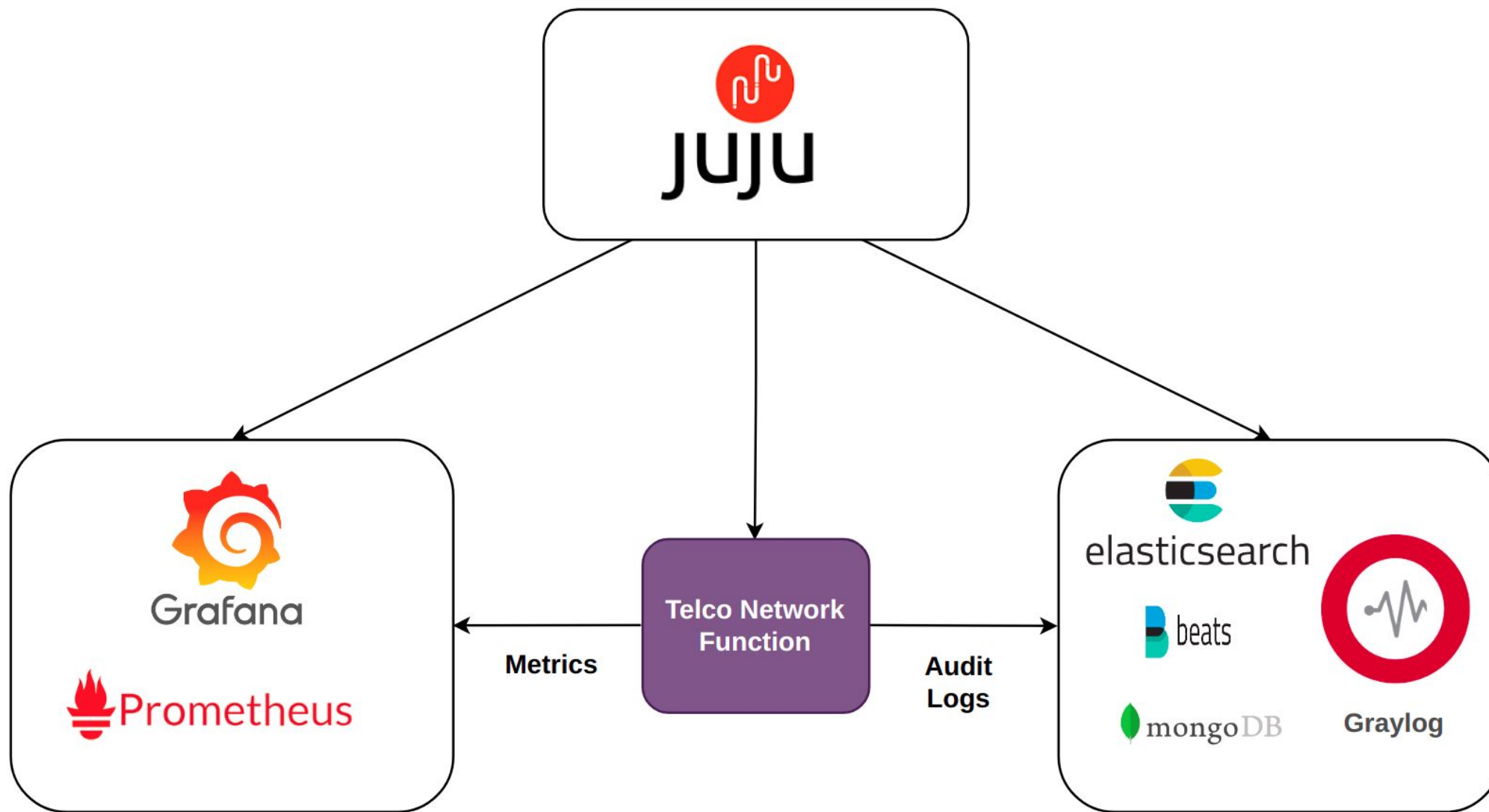- Faster troubleshooting

- No lock-in, free to change your setup

Open Source
MANO

Demo

© ETSI

ETSI

Demo setup

Demo setup

Demo Steps

- Deploy LMA Charms

- Deploy KNF

- Relate KNF to LMA with charms

- Scaling KNF

- Upgrade of LMA component

- Audit Logs in Graylog

Thank you Questions?