Monitoring placement and flow control challenges

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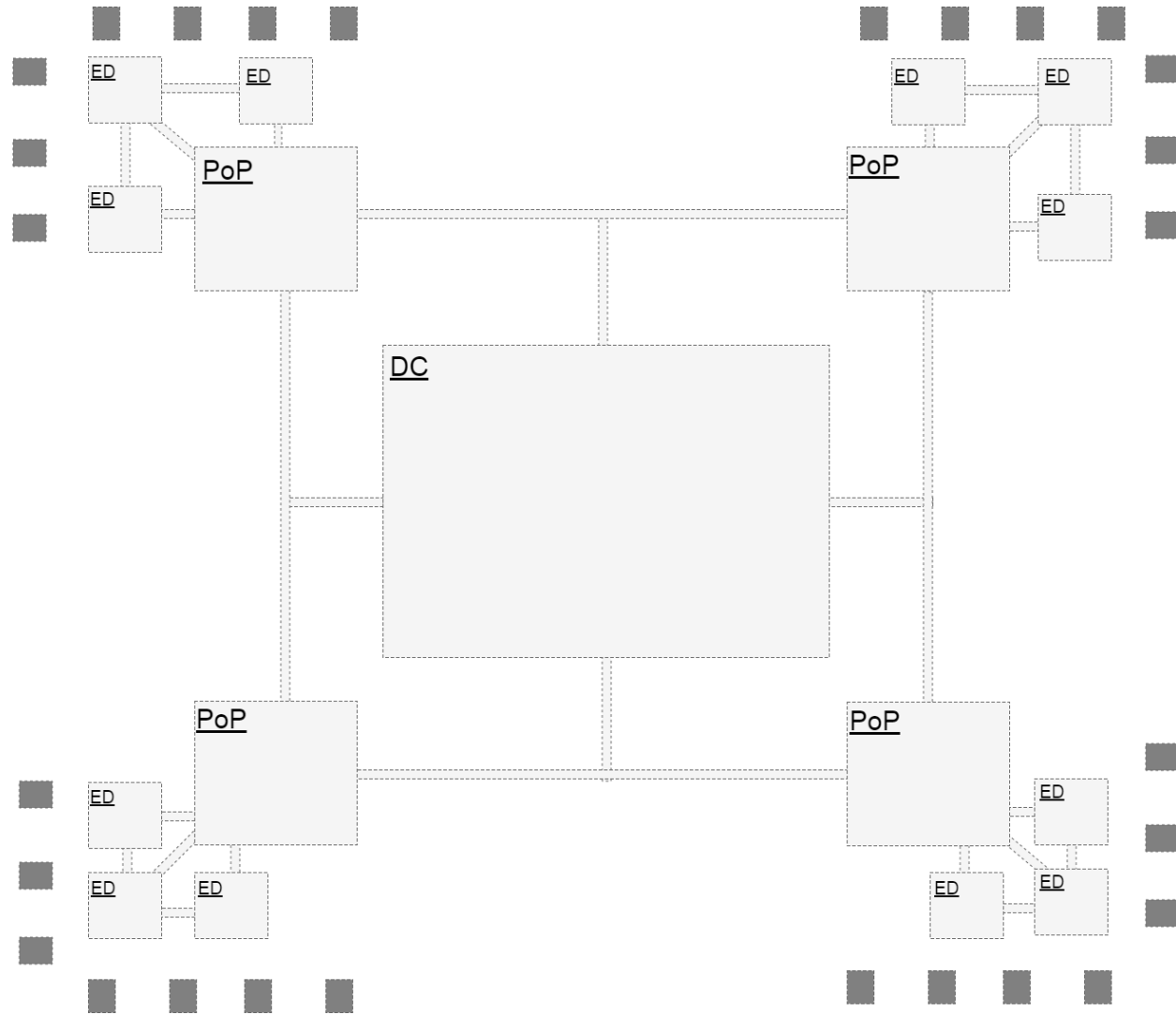
Agenda

- Fog/EDGE-based operator infrastructure

- Monasca

- Challenges

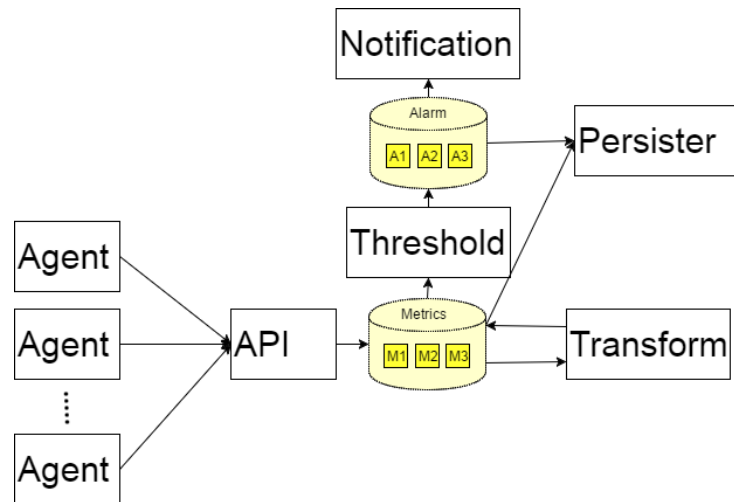# Fog/EDGE-based operator infrastructure

- Largely heterogeneous
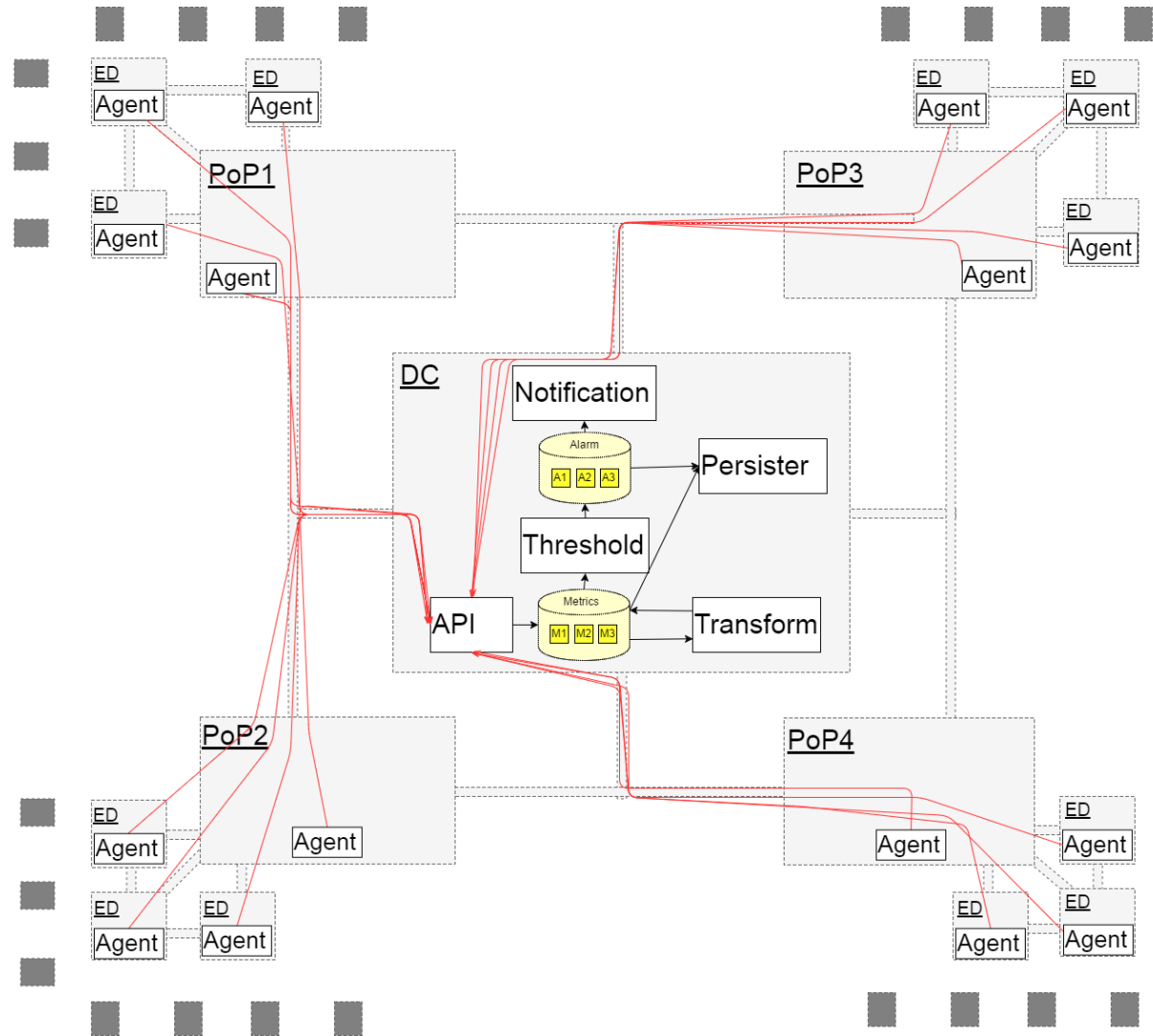
- Massively distributed

- Highly dynamic

Monasca

- Fine-grained decomposition

- A distributed communication bus
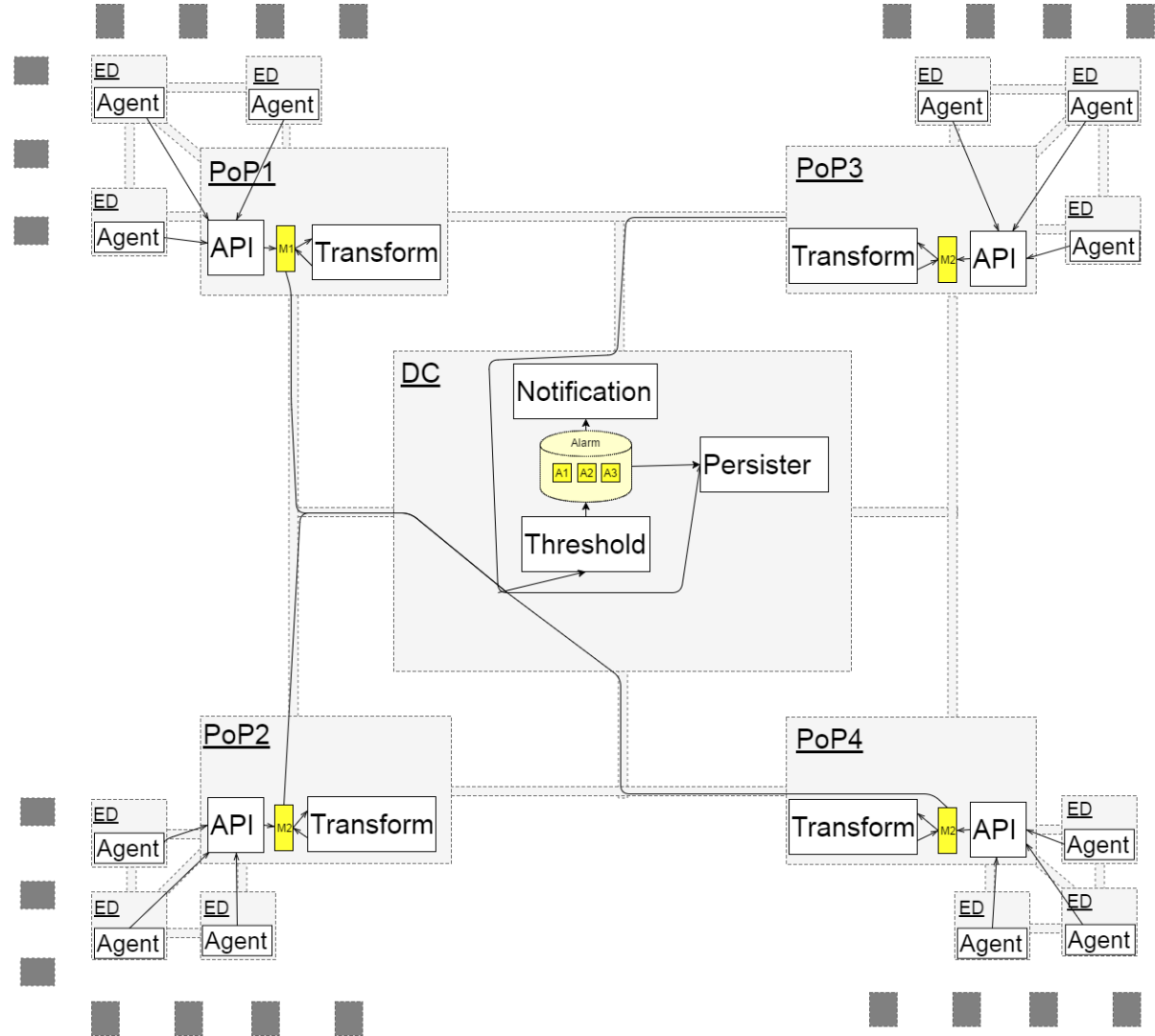
=> A holistic Monitoring service ?

Challenges

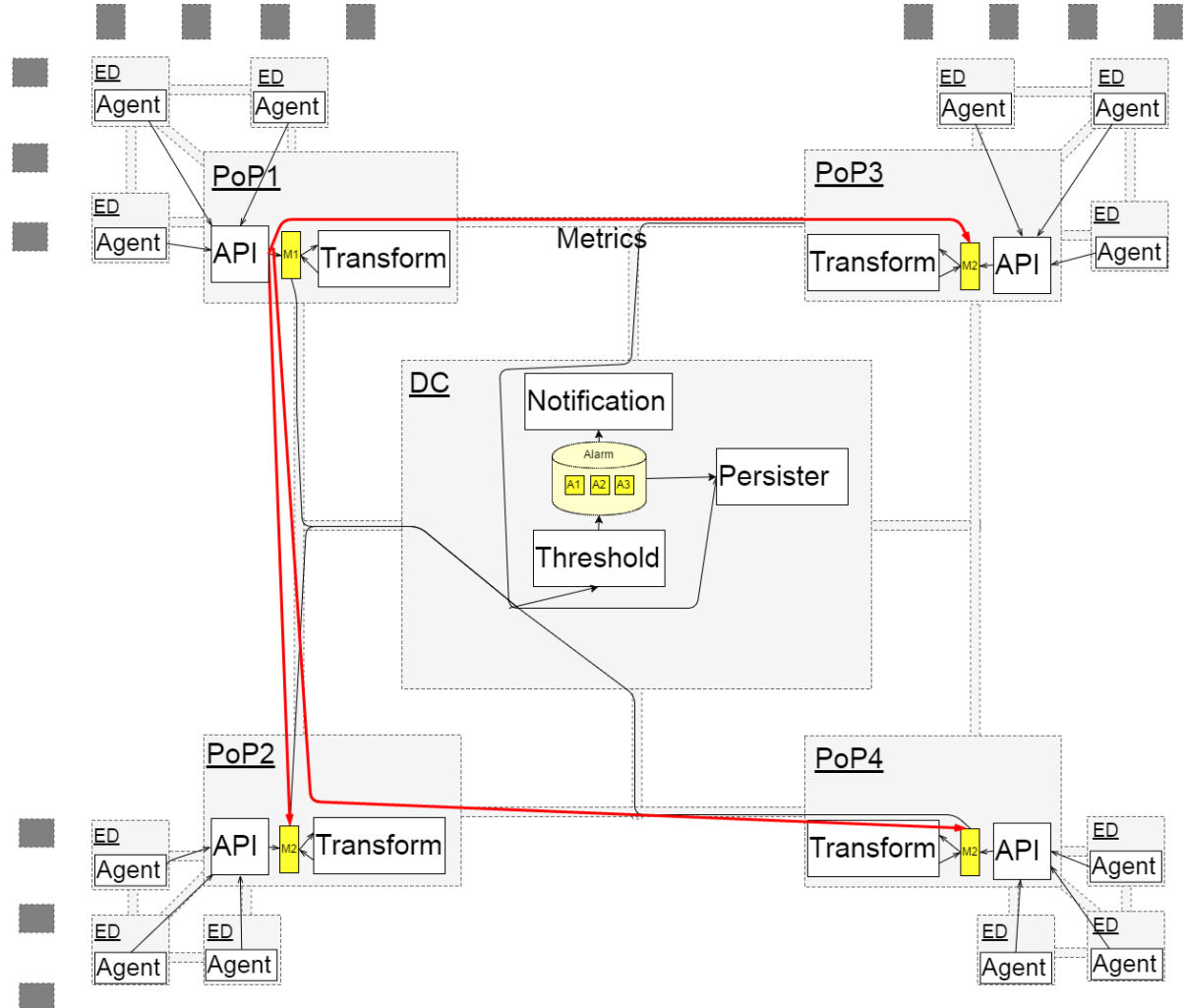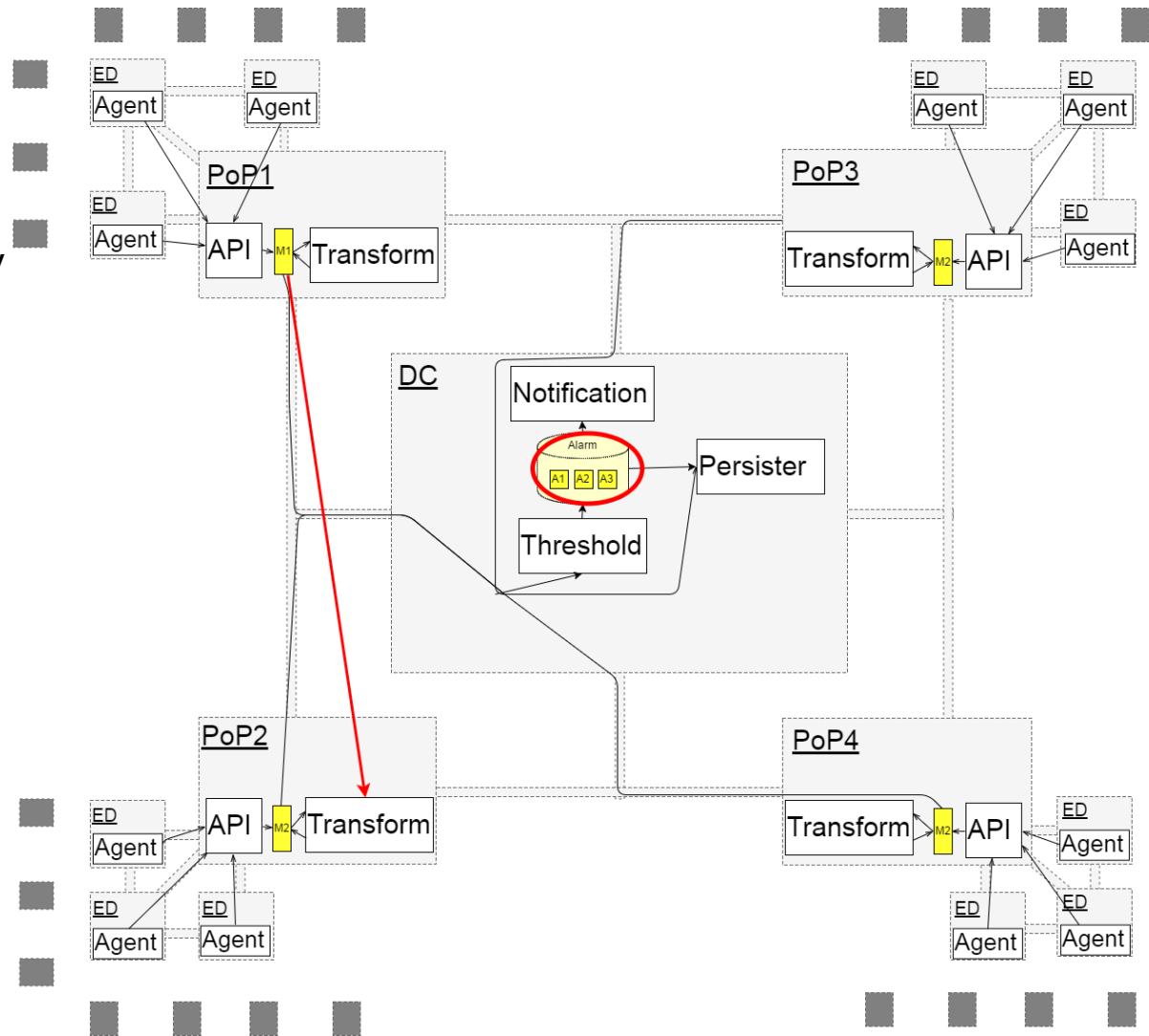- Native deployment:
  - ⇒ High latency

Challenges

- Native deployment:
  - $\Rightarrow$ High latency

- Multi-site deployment:

Challenges

- Native deployment:
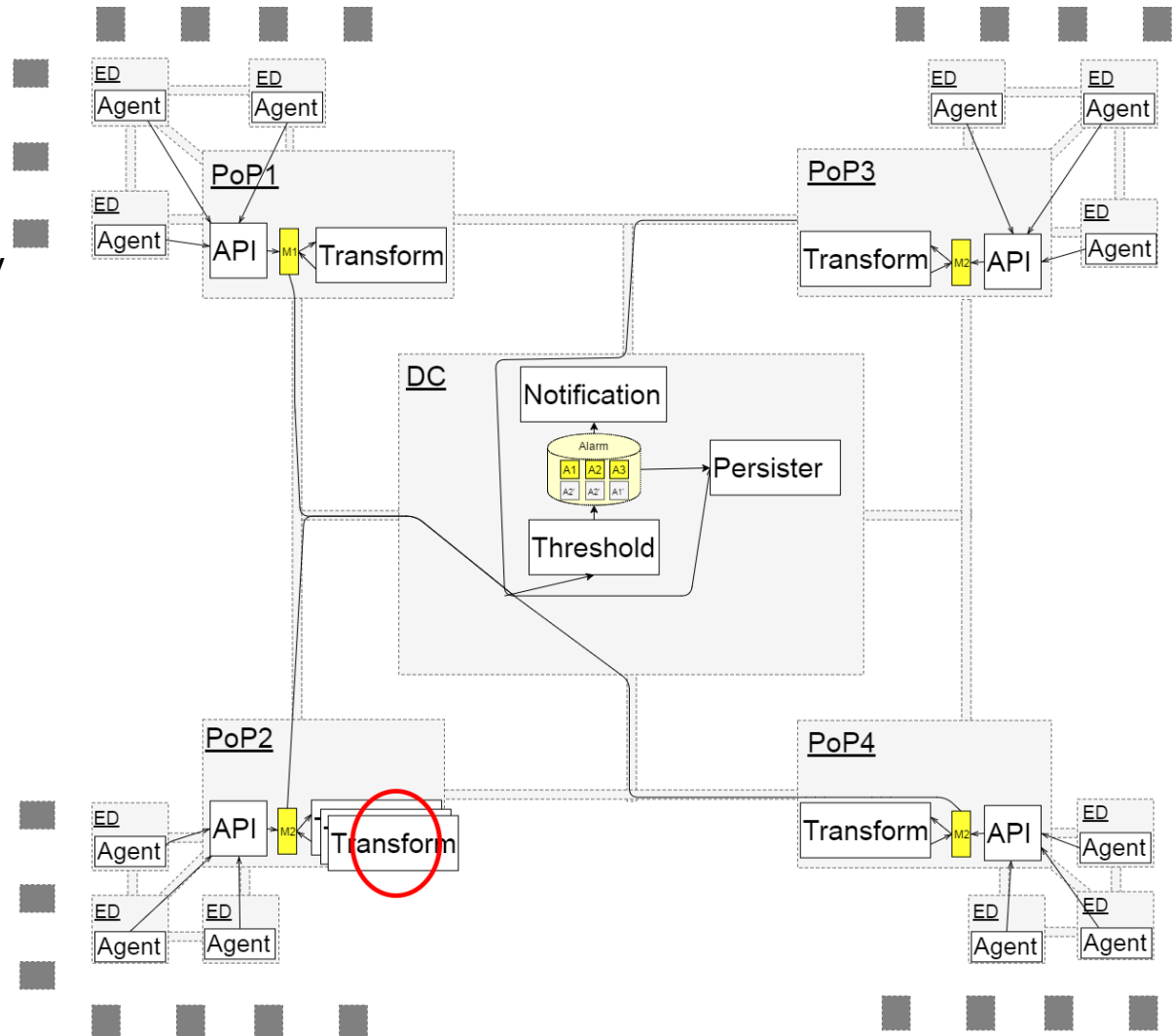 - ⇒ High latency

- Multi-site deployment:

Challenges

- Native deployment:
  - $\Rightarrow$ High latency

- Multi-site deployment:
  - $\Rightarrow$ No flow control strategy

Challenges

- Native deployment:
  - $\Rightarrow$ High latency

- Multi-site deployment:
  - $\Rightarrow$ No flow control strategy
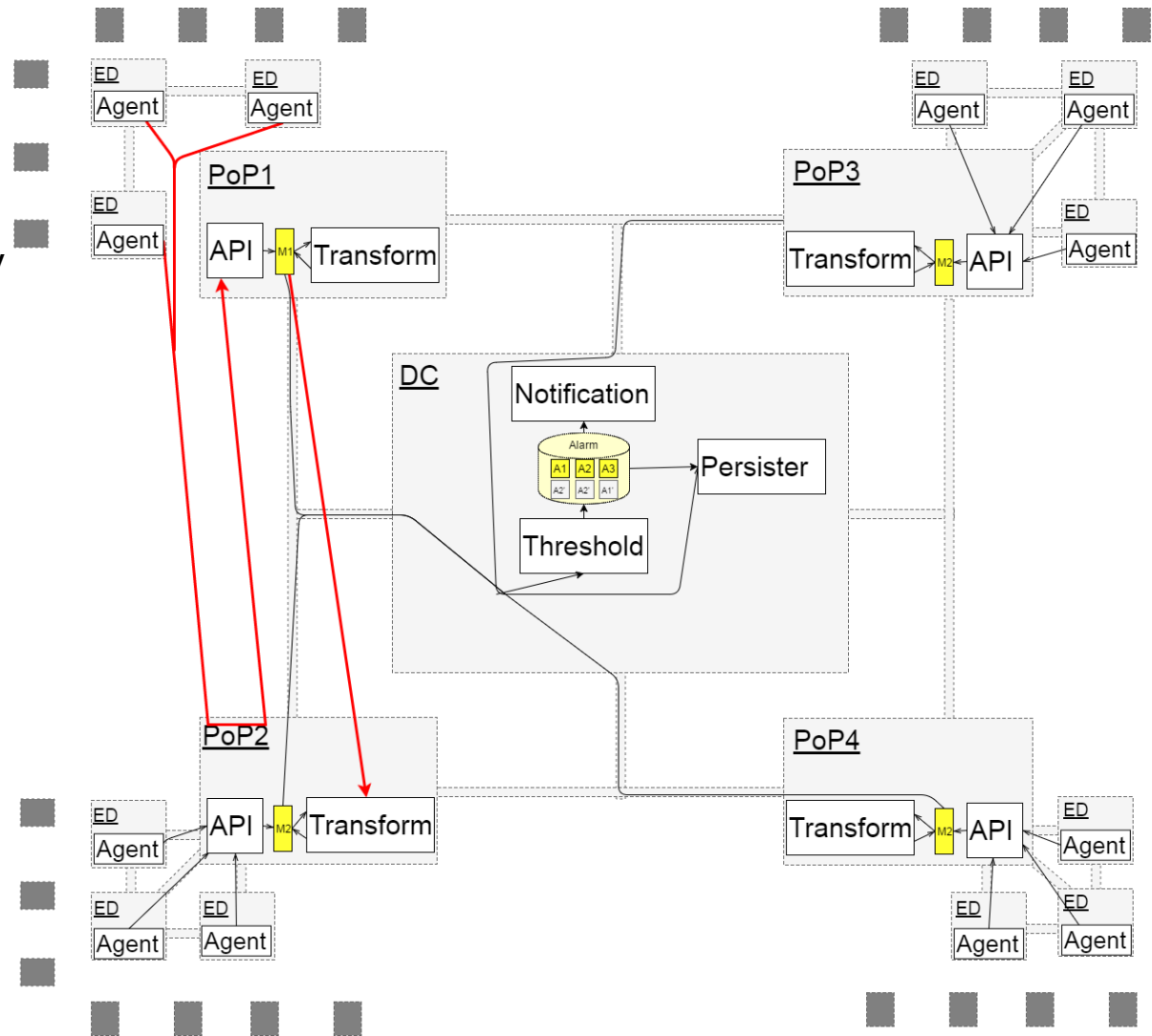 - $\Rightarrow$ No cooperation policy between multi-instanciated elements

Challenges

- Native deployment:
  - ⇒ High latency

- Multi-site deployment:
  - ⇒ No flow control strategy
  - ⇒ No cooperation policy between multi-instanciated elements
  - ⇒ No locality aware recovery

Thank you