



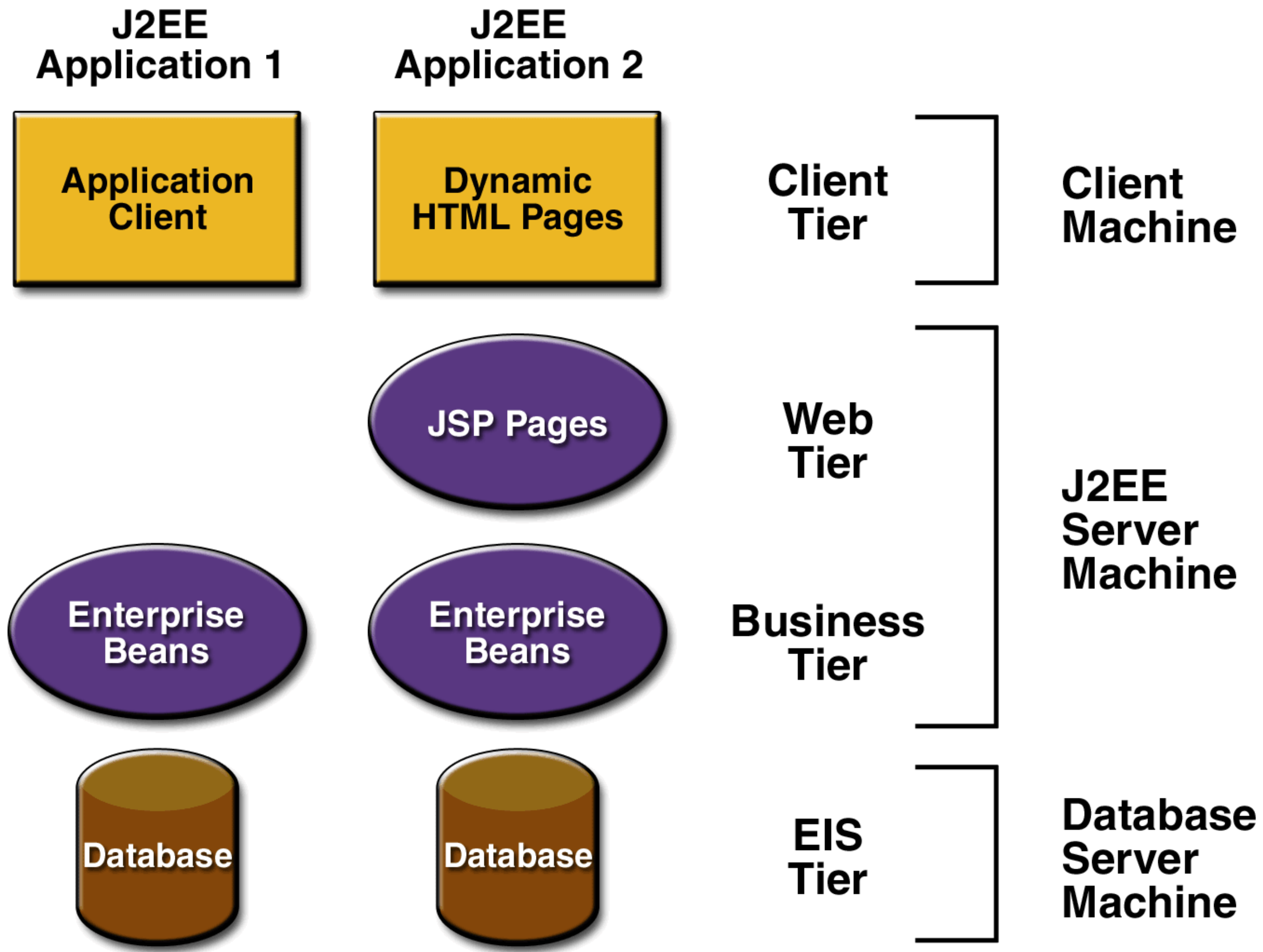
Service Mesh for Java Developers

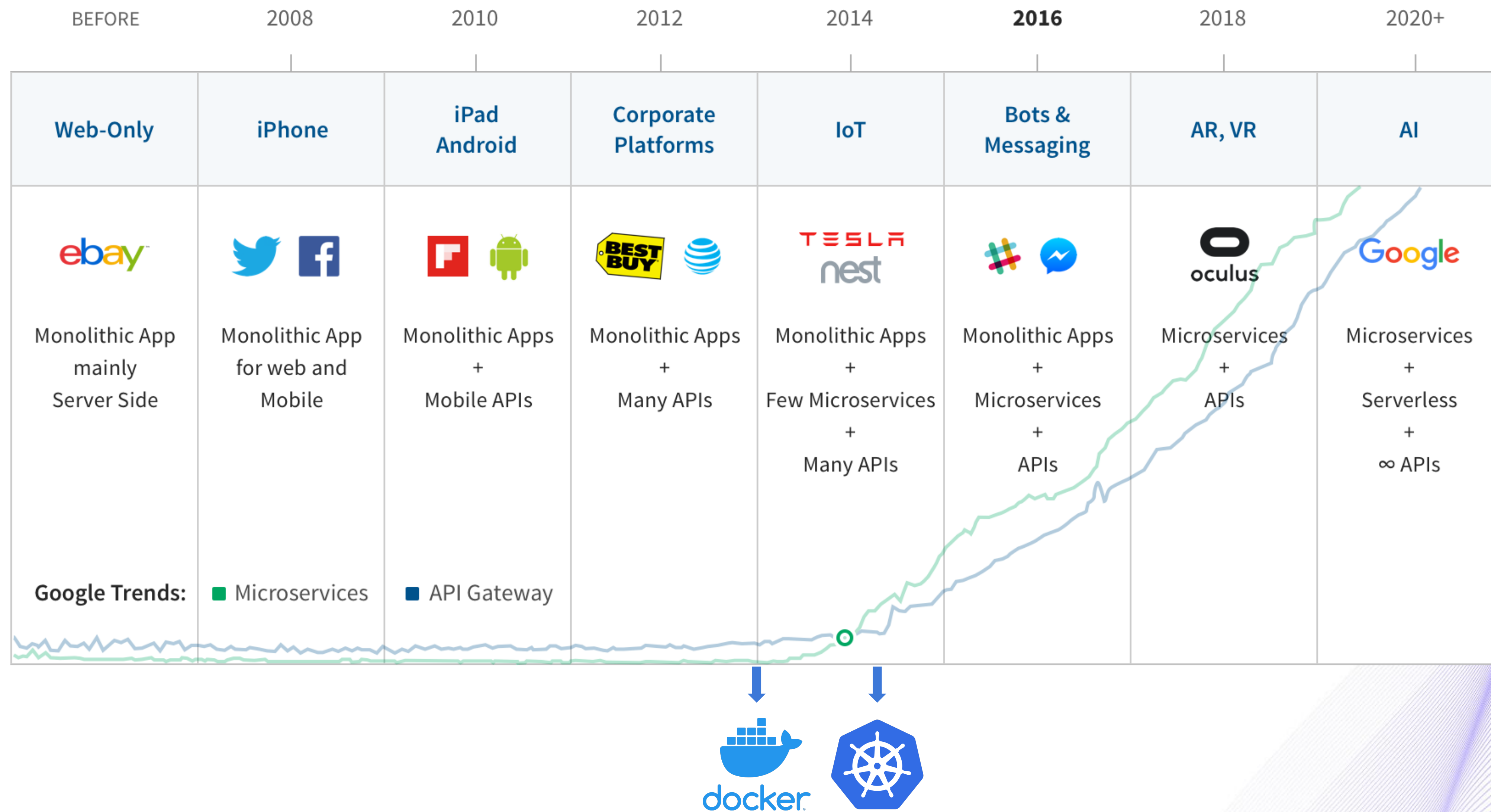
AMSTERDAM JUG, NETHERLANDS, 2023

@gamussa | @AmsterdamJUG | @thekonginc

IT USED TO BE SO SIMPLE...











REFACTORING TO MICROSERVICES

Viktor

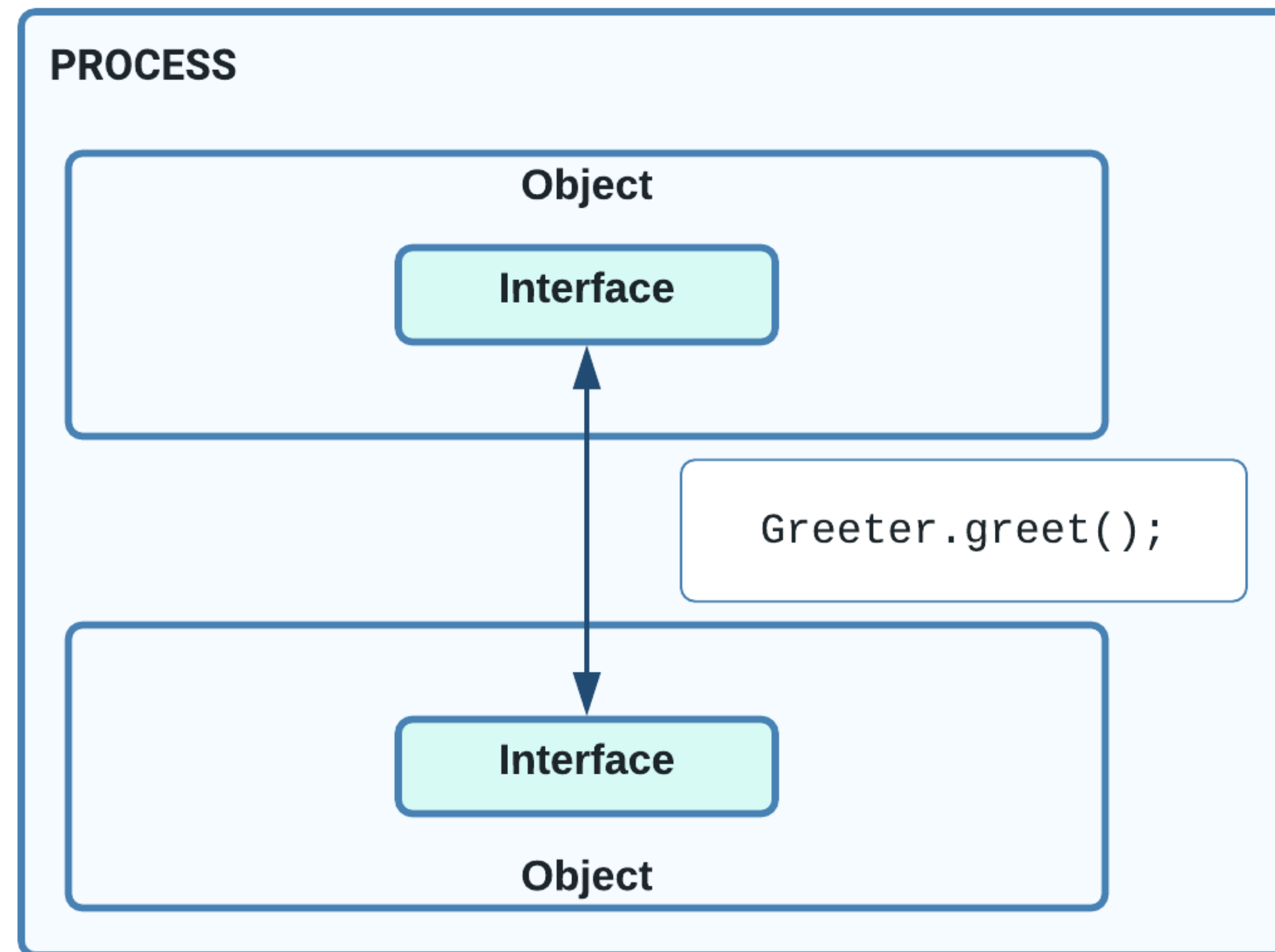
GAMOV

Principal Developer Advocate

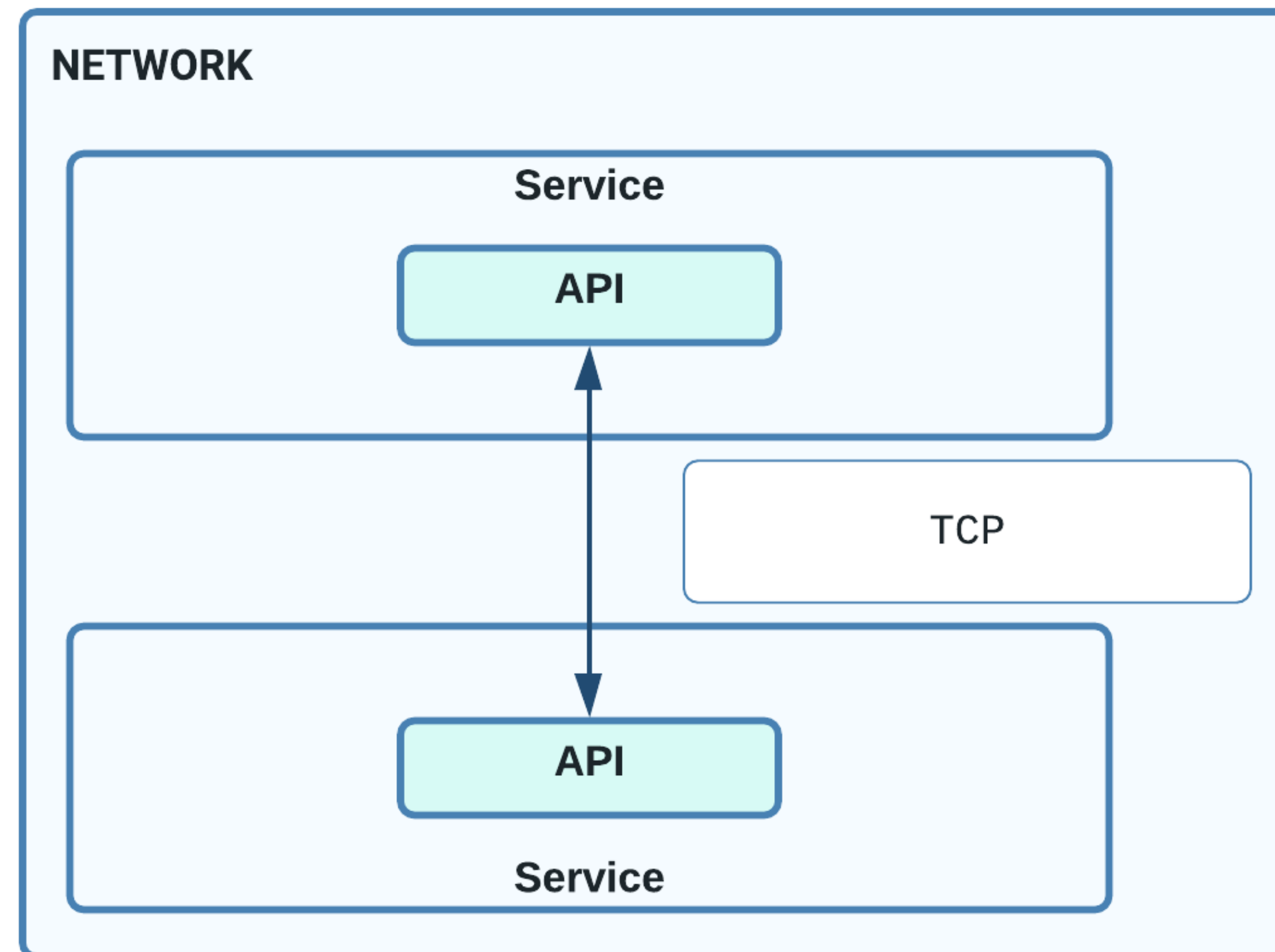


@gamussa | @kumamesh | @thekonginc

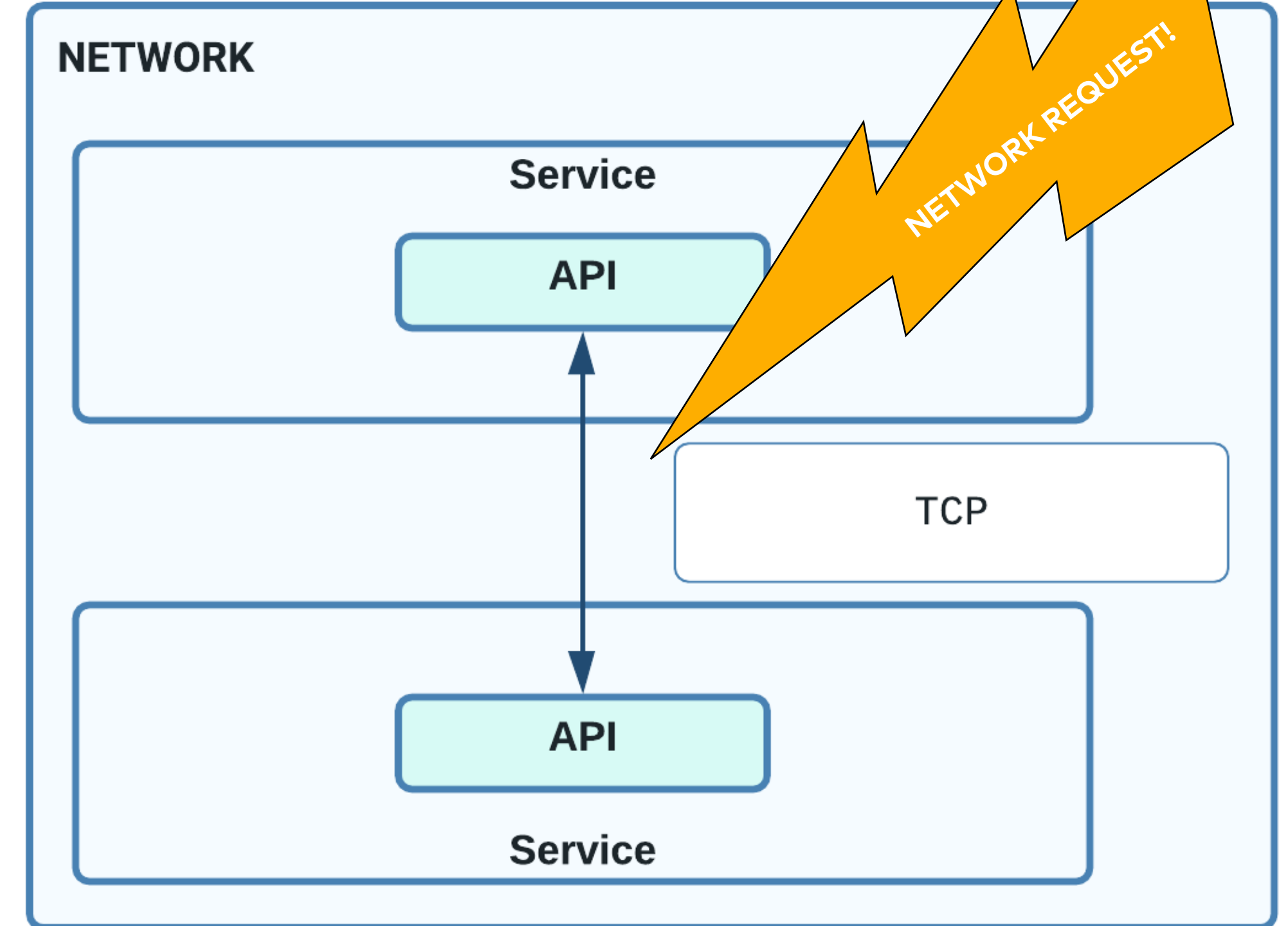
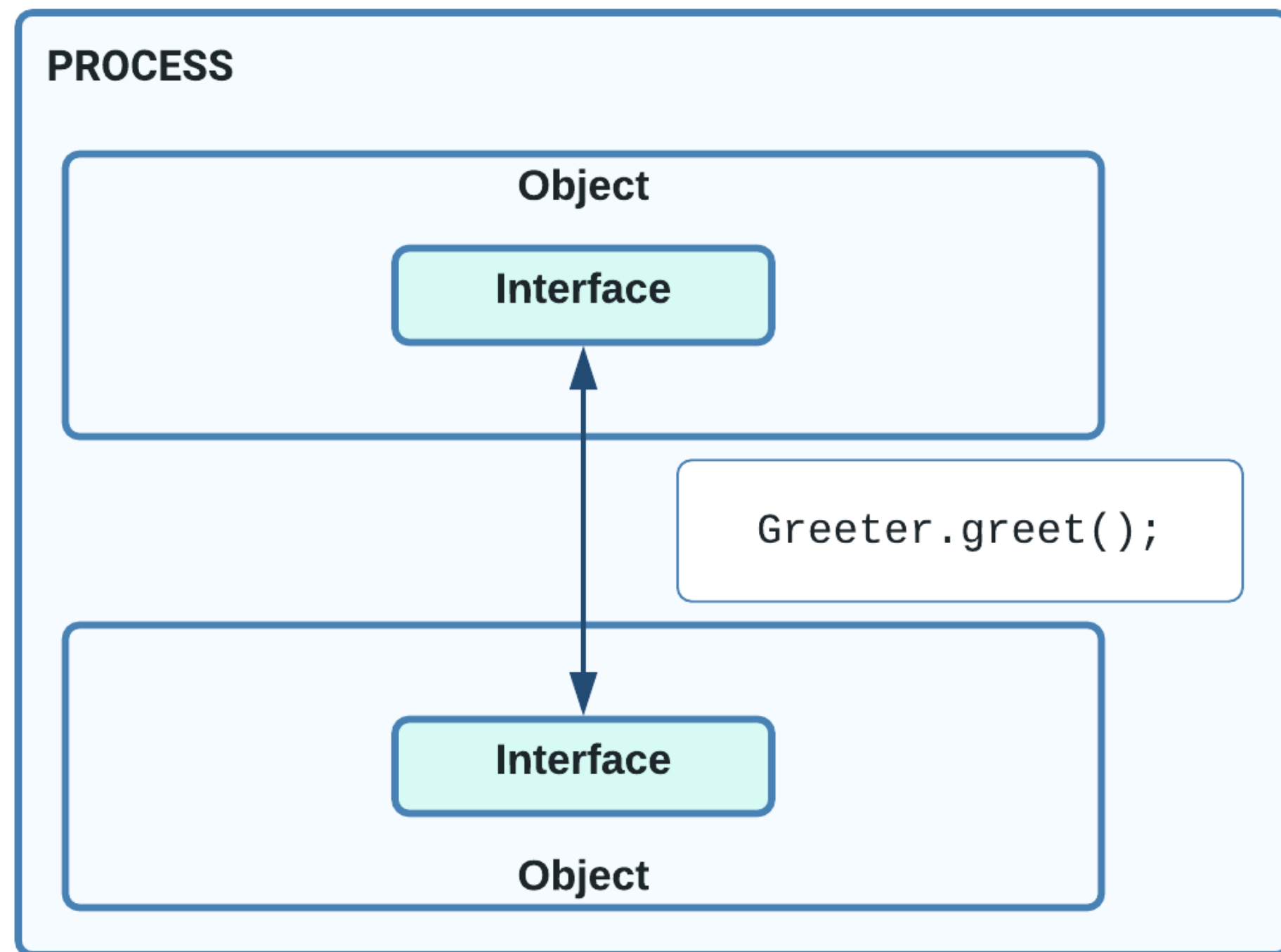
Network is a Computer

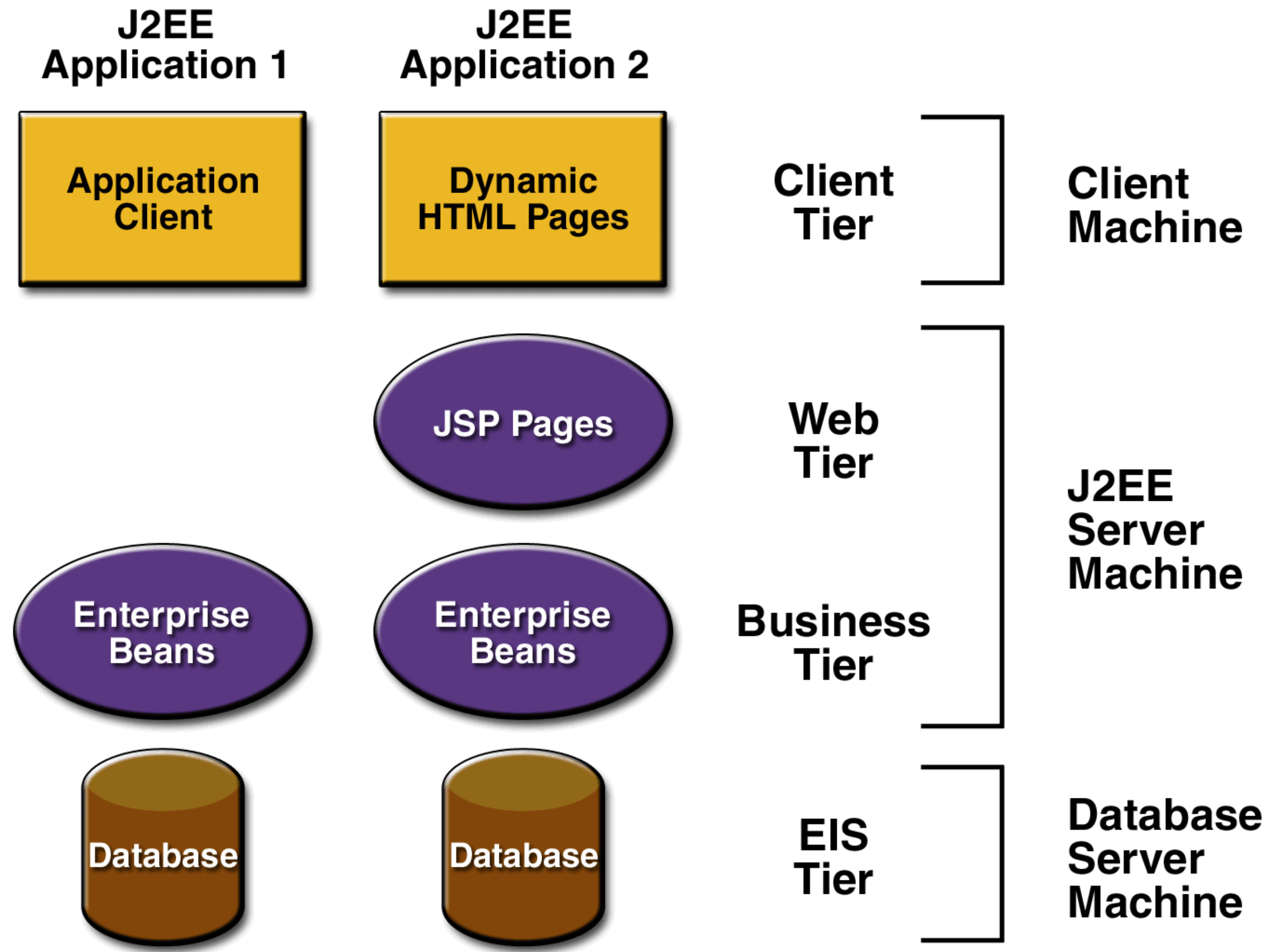


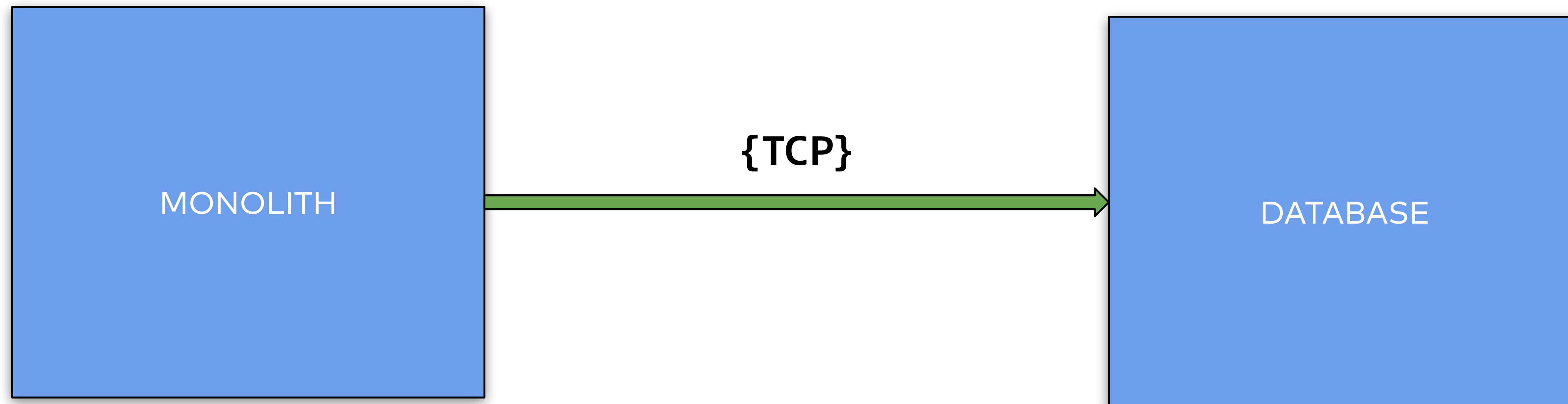
Network is a Computer



FROM CPU TO NETWORK







KNOWN NETWORK PROBLEMS

ENCRYPTION

IDENTITY

TRAFFIC ACL

ROUTING

VERSIONING

DEPLOYMENTS

OBSERVABILITY

LOGGING

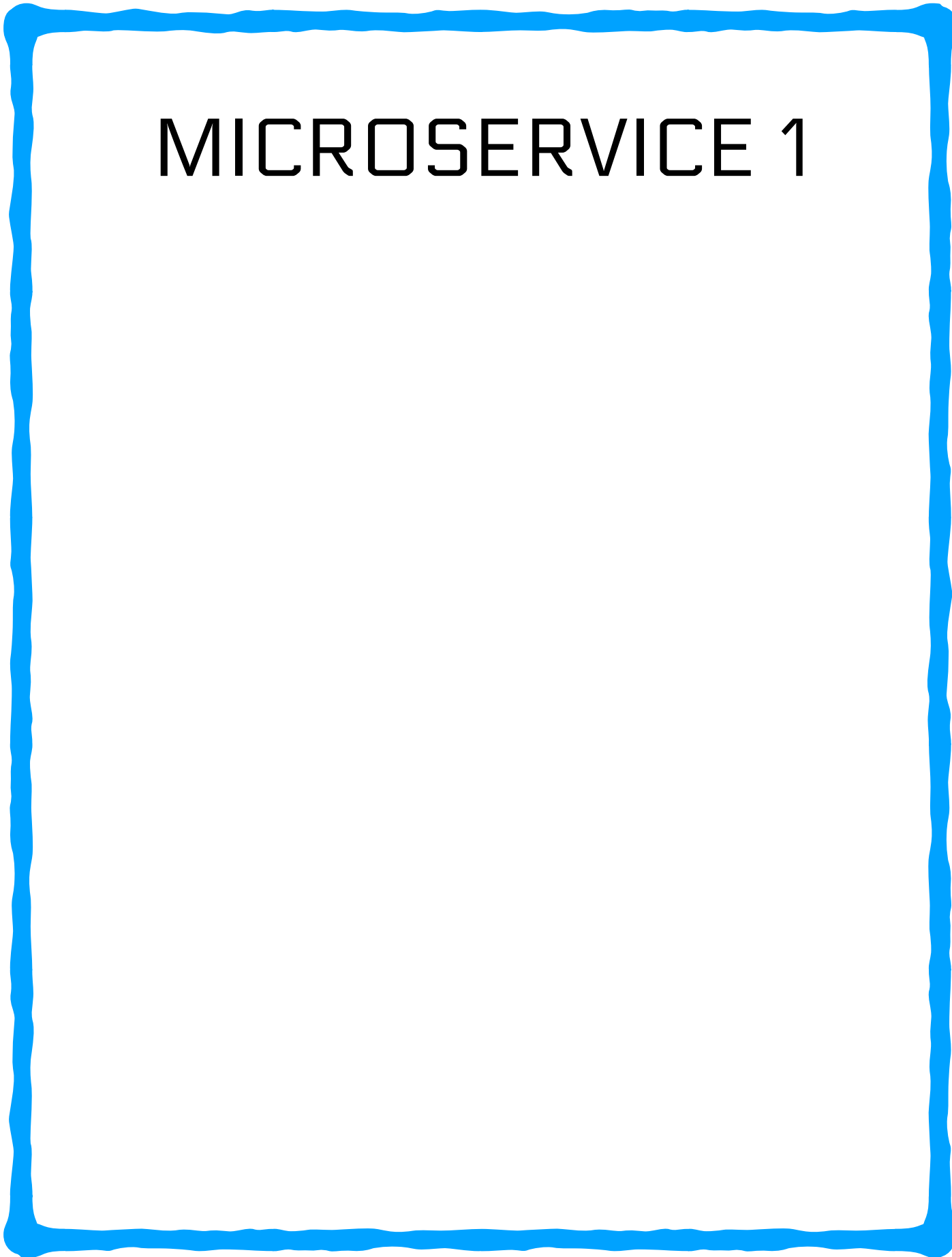
TRACING

RESILIENCY

ZERO-TRUST

CHAOS

KNOWN NETWORK PROBLEMS

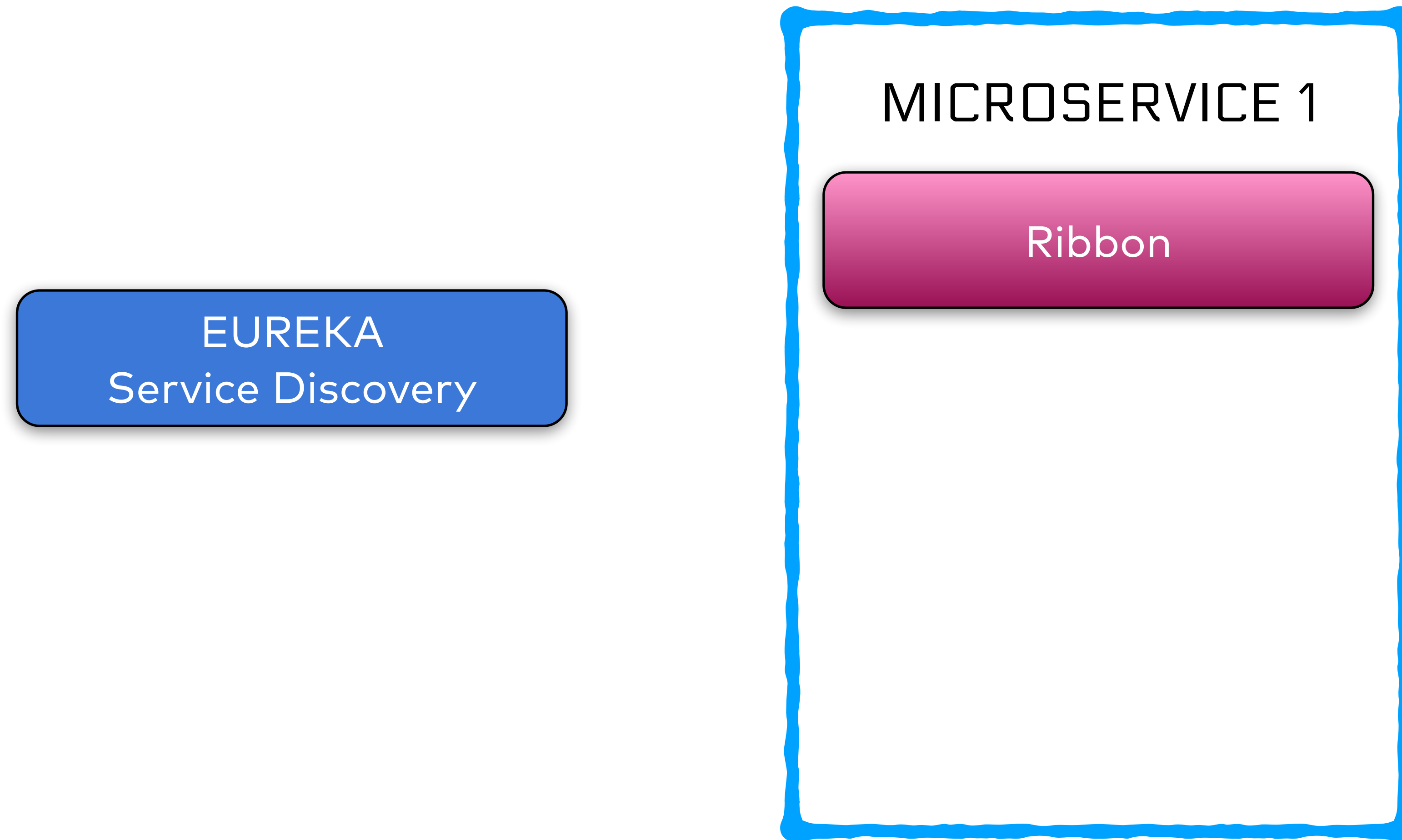


MICROSERVICE 1

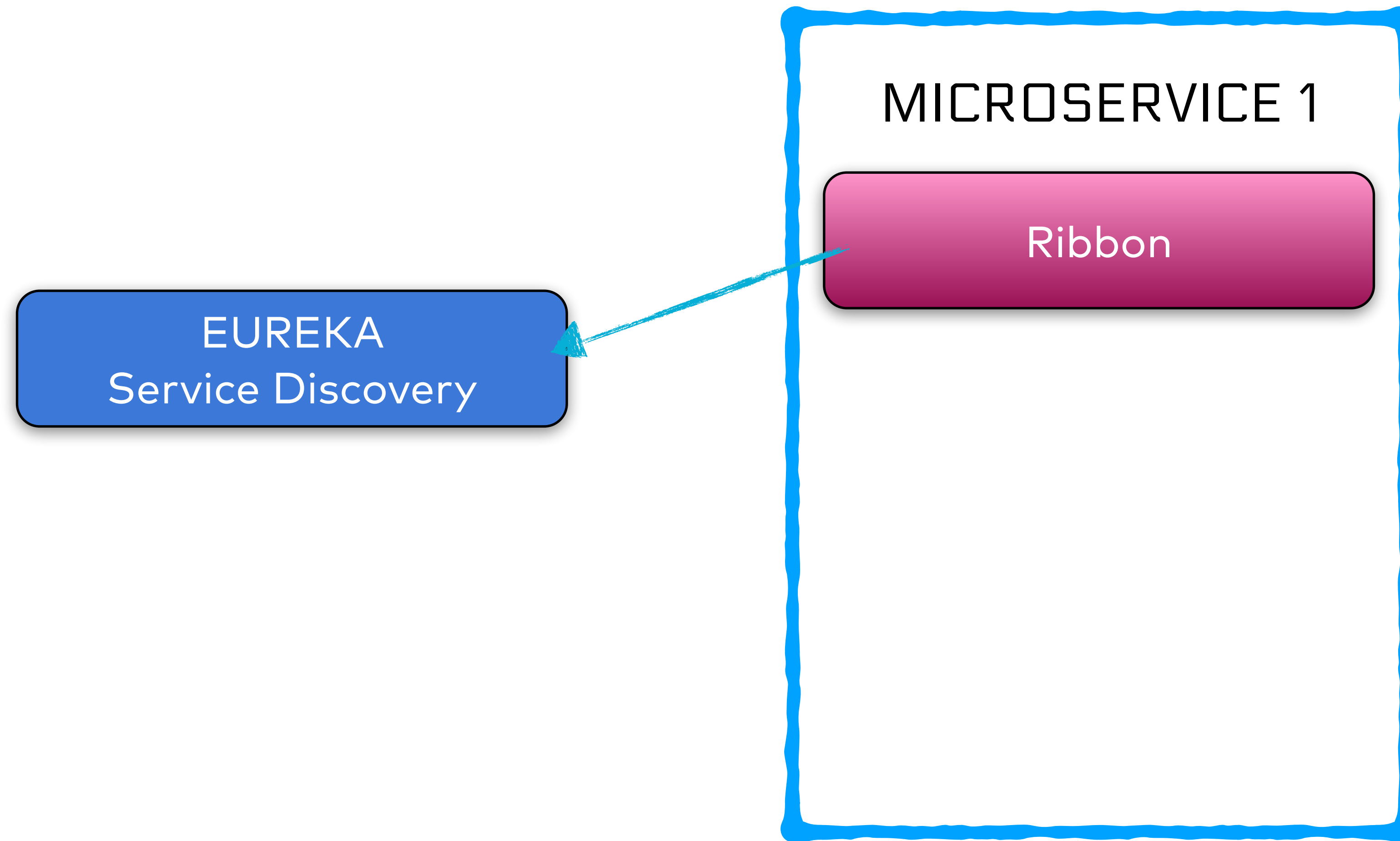
KNOWN NETWORK PROBLEMS



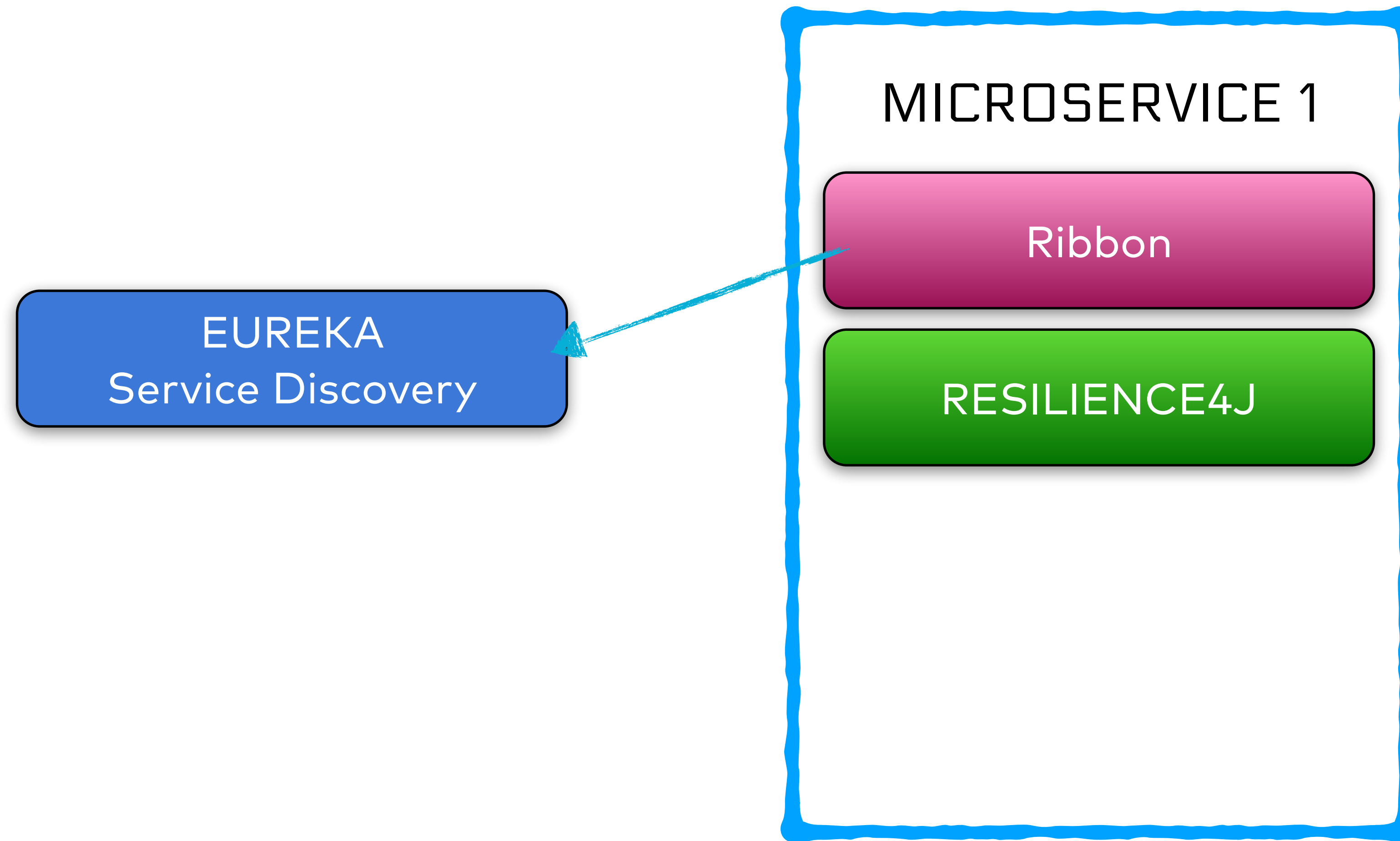
KNOWN NETWORK PROBLEMS



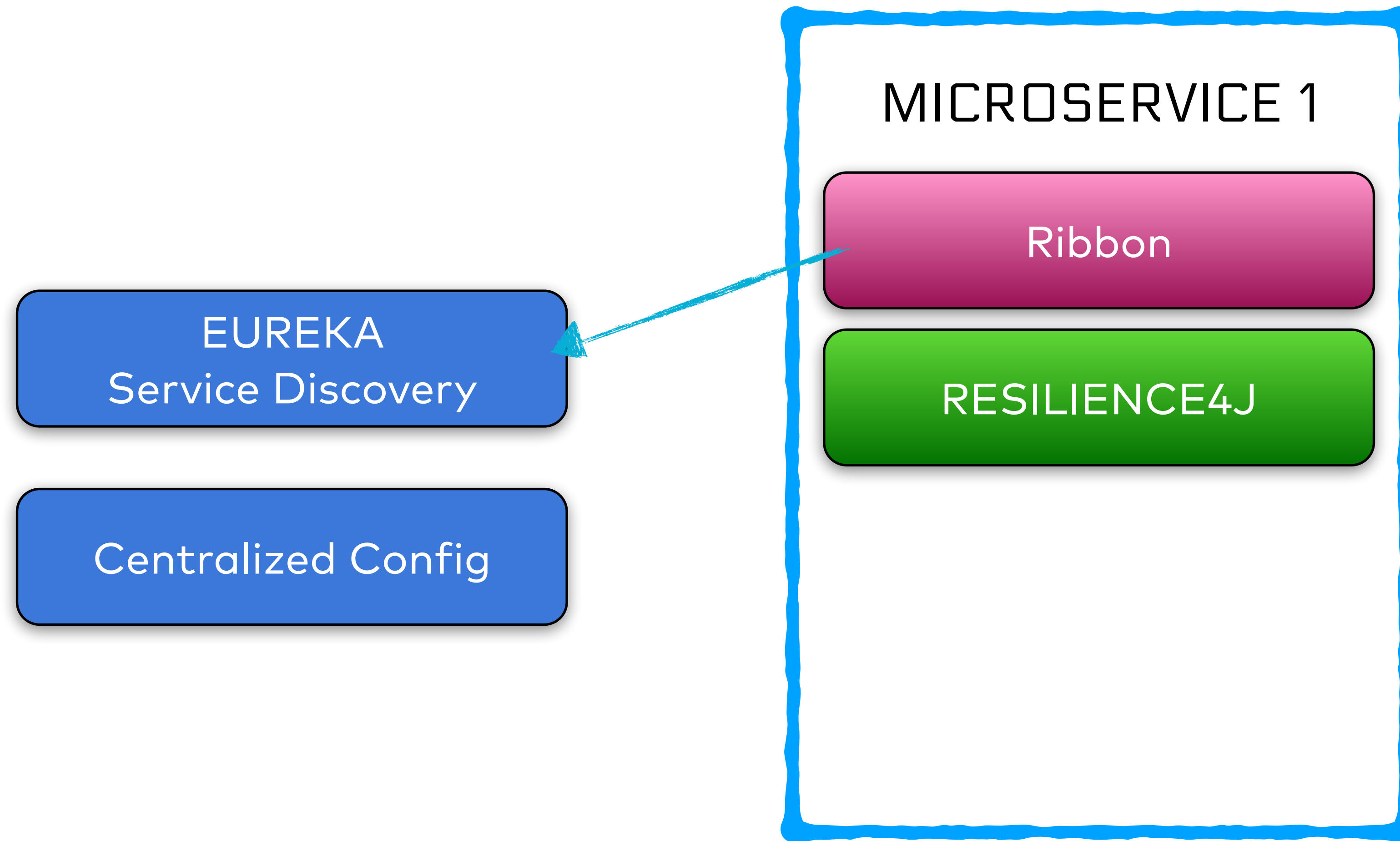
KNOWN NETWORK PROBLEMS



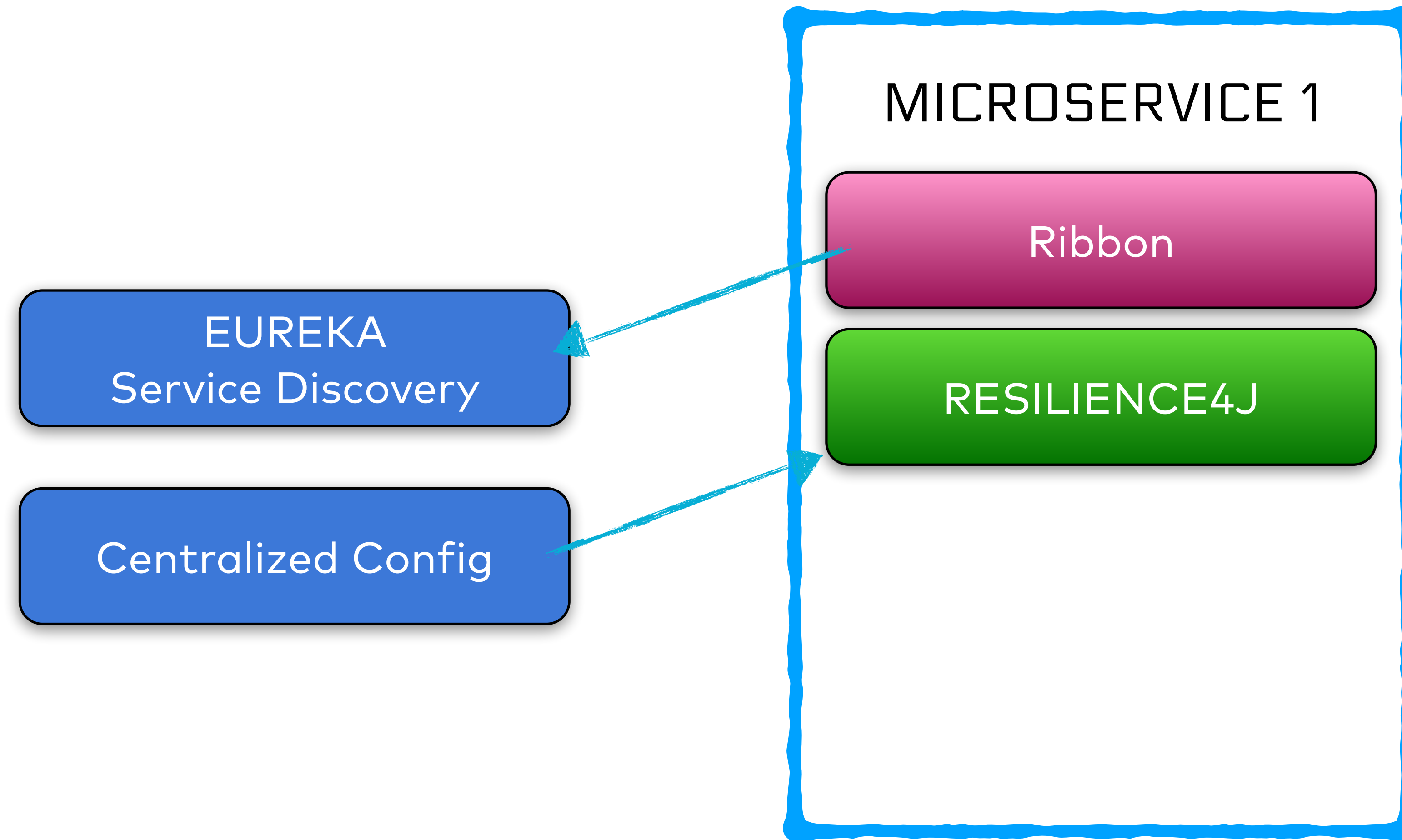
KNOWN NETWORK PROBLEMS



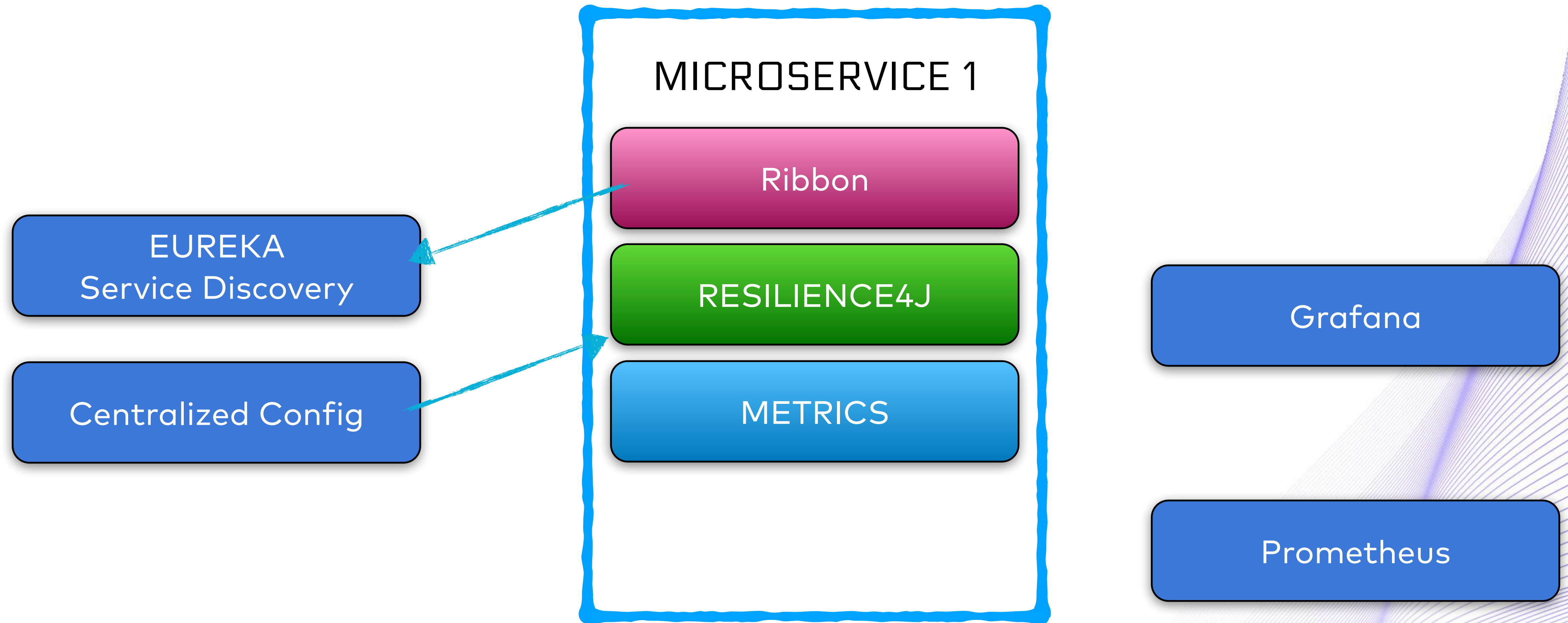
KNOWN NETWORK PROBLEMS



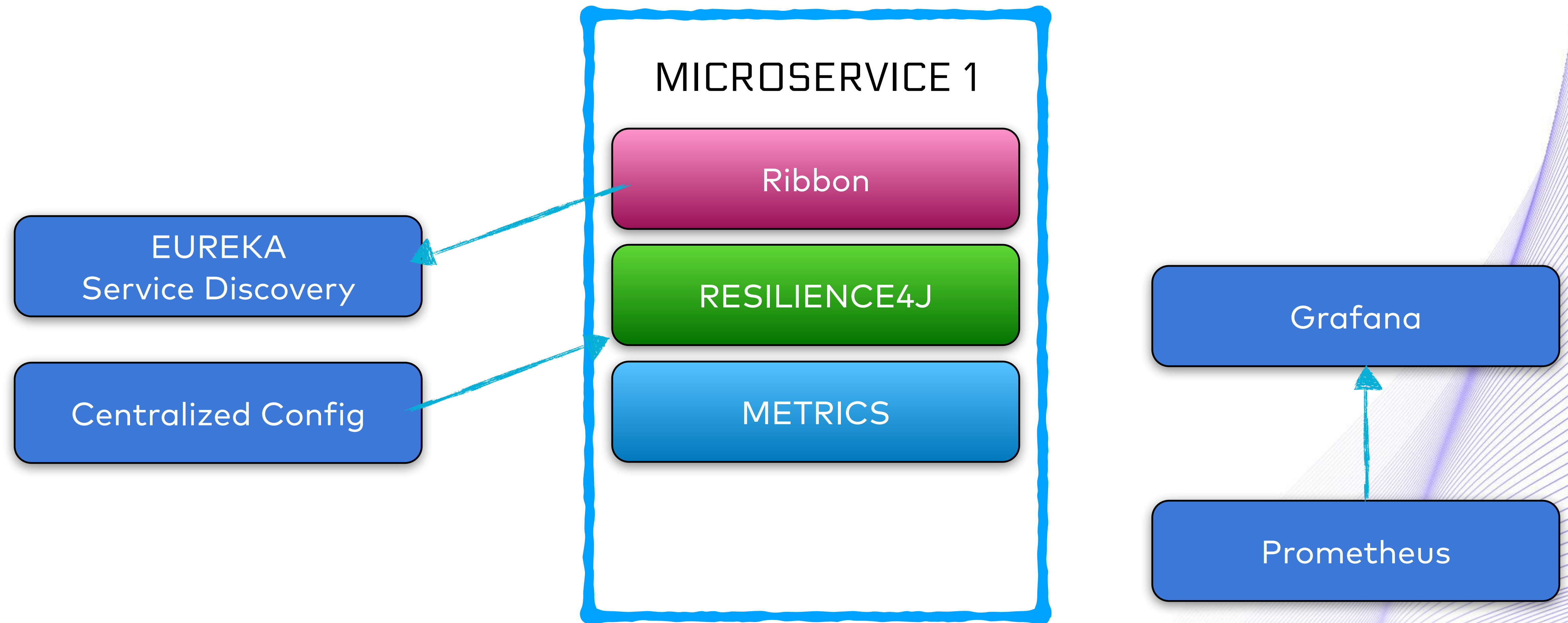
KNOWN NETWORK PROBLEMS



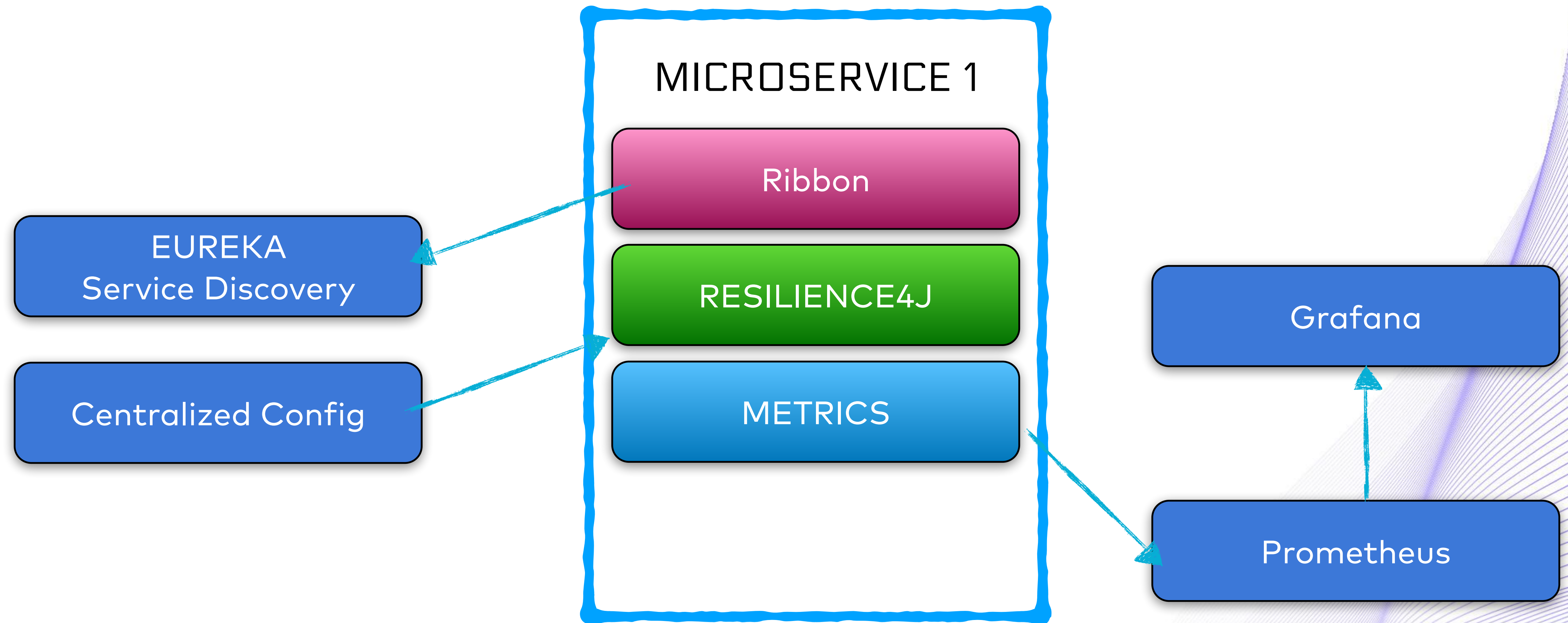
KNOWN NETWORK PROBLEMS



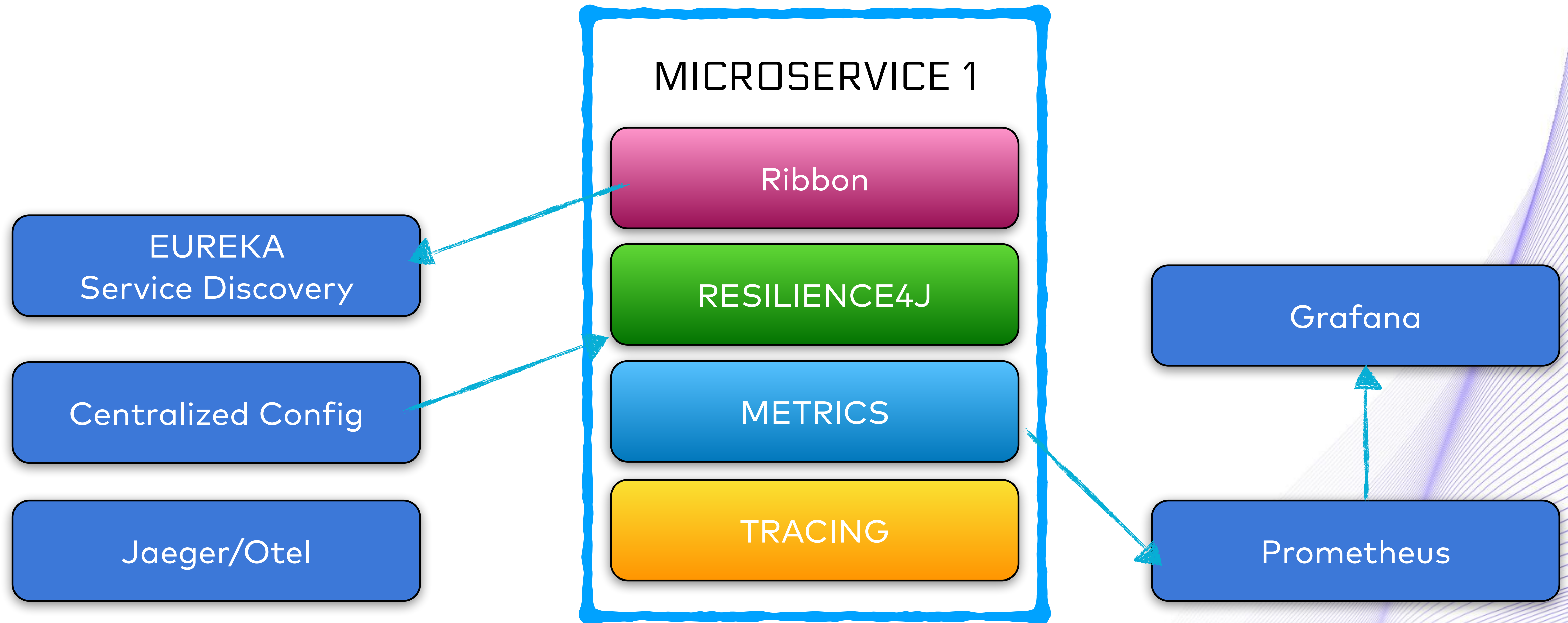
KNOWN NETWORK PROBLEMS



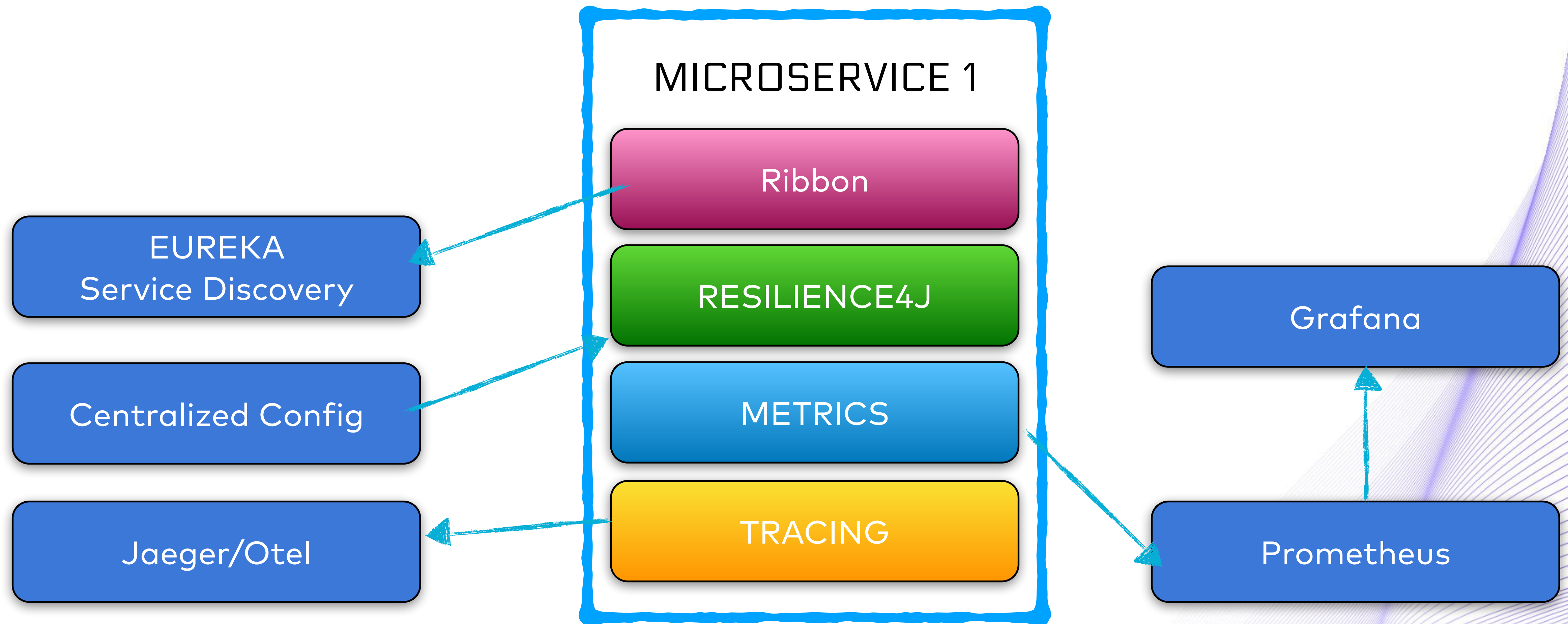
KNOWN NETWORK PROBLEMS



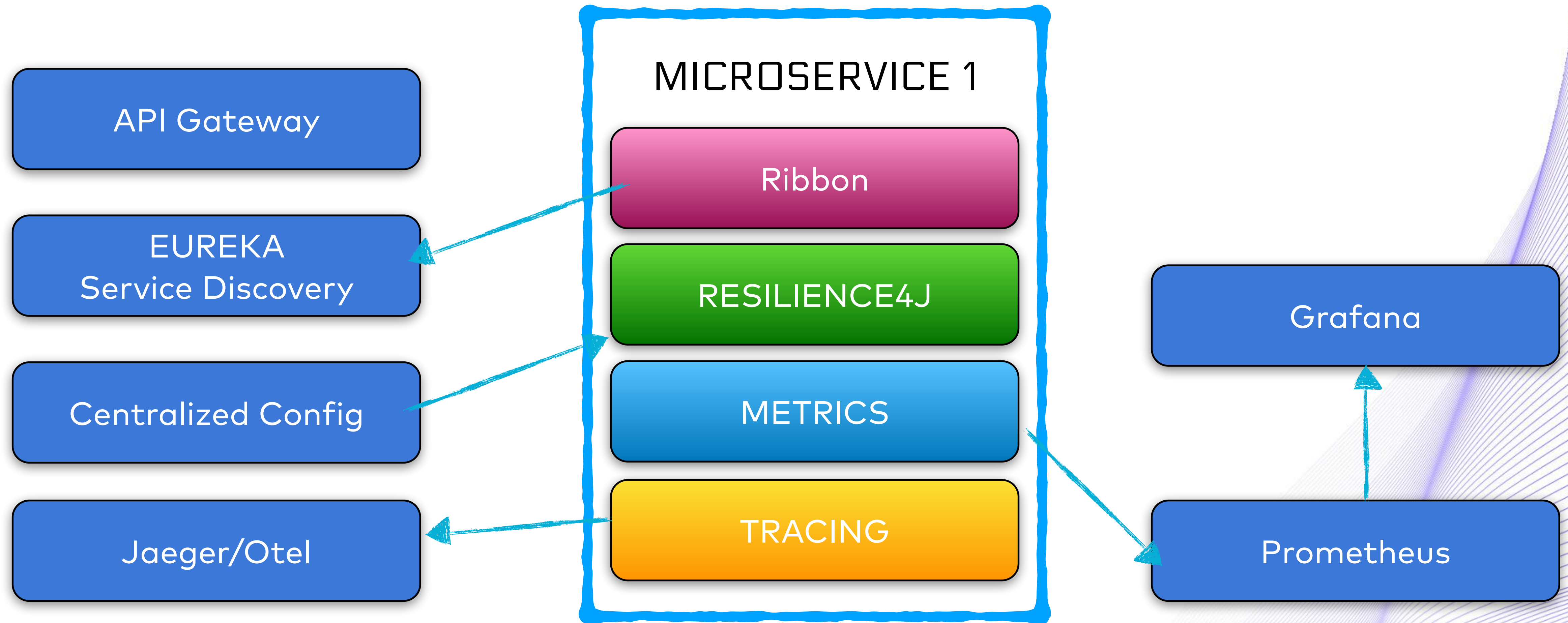
KNOWN NETWORK PROBLEMS



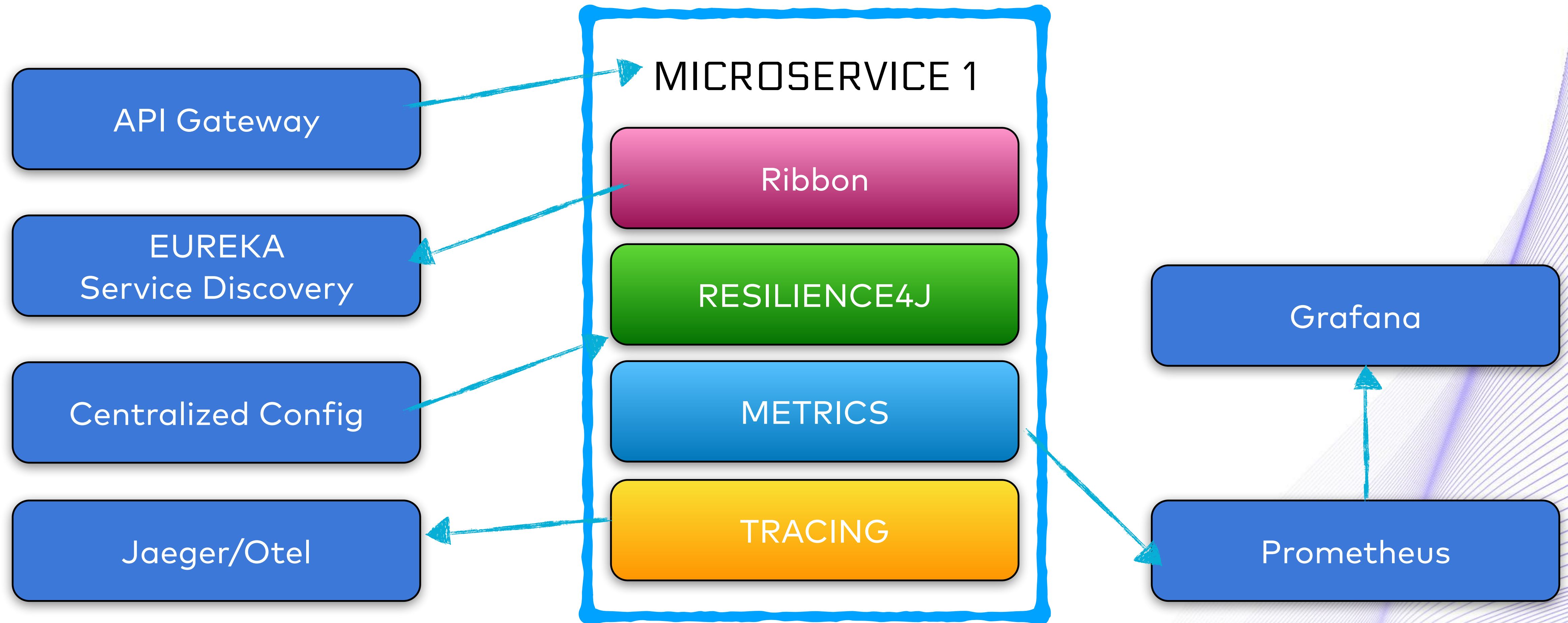
KNOWN NETWORK PROBLEMS



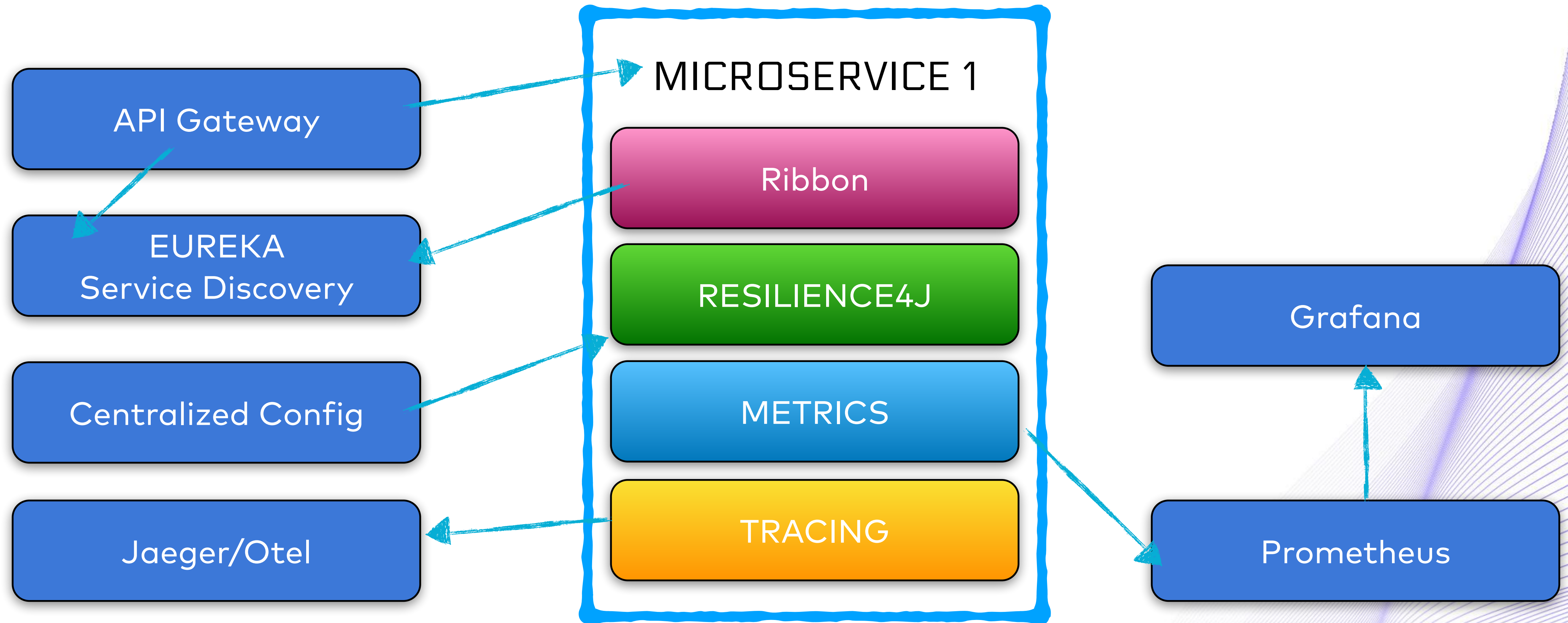
KNOWN NETWORK PROBLEMS



KNOWN NETWORK PROBLEMS



KNOWN NETWORK PROBLEMS



BUILD ONCE, USE EVERYWHERE

MICROSERVICE 1

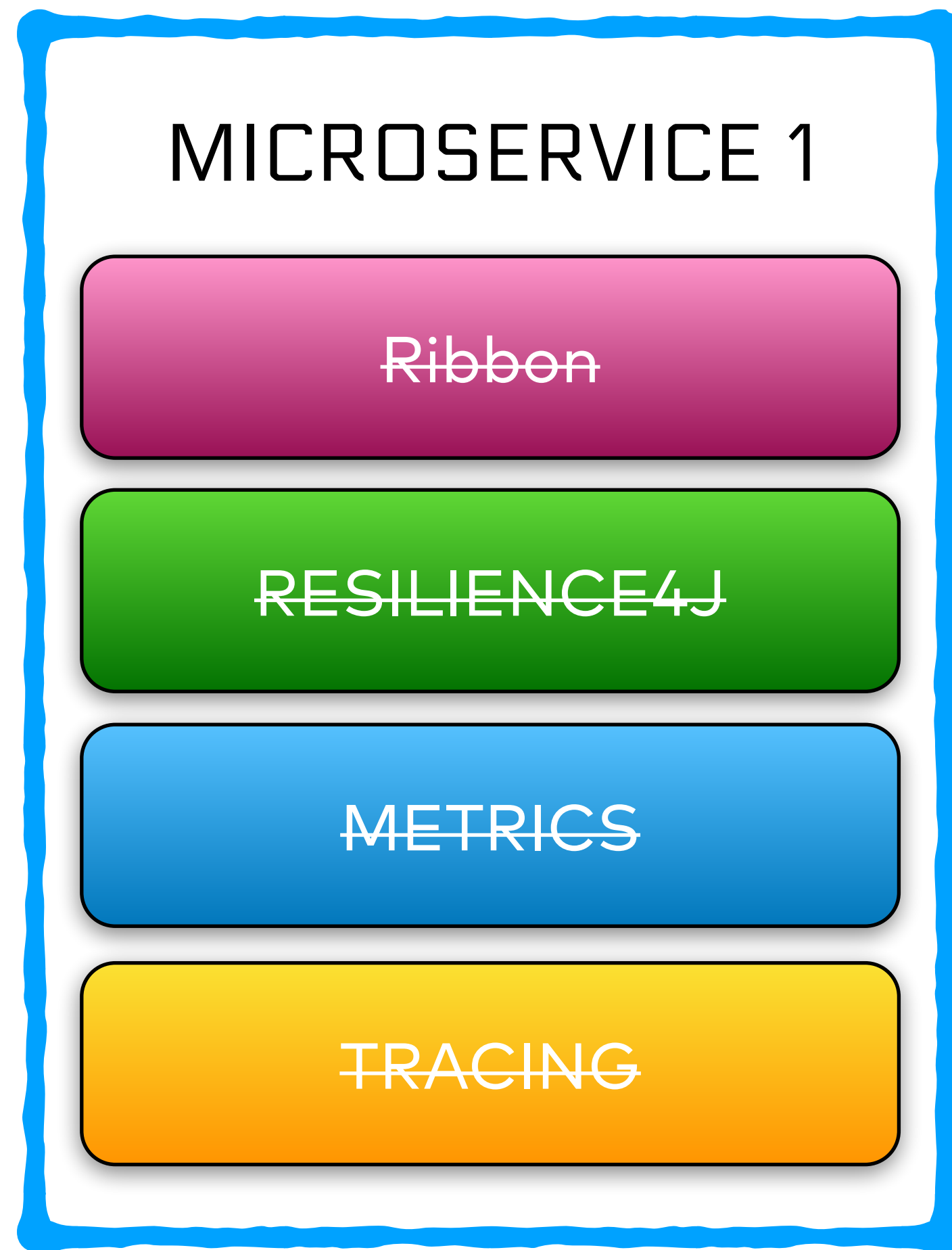
Ribbon

RESILIENCE4J

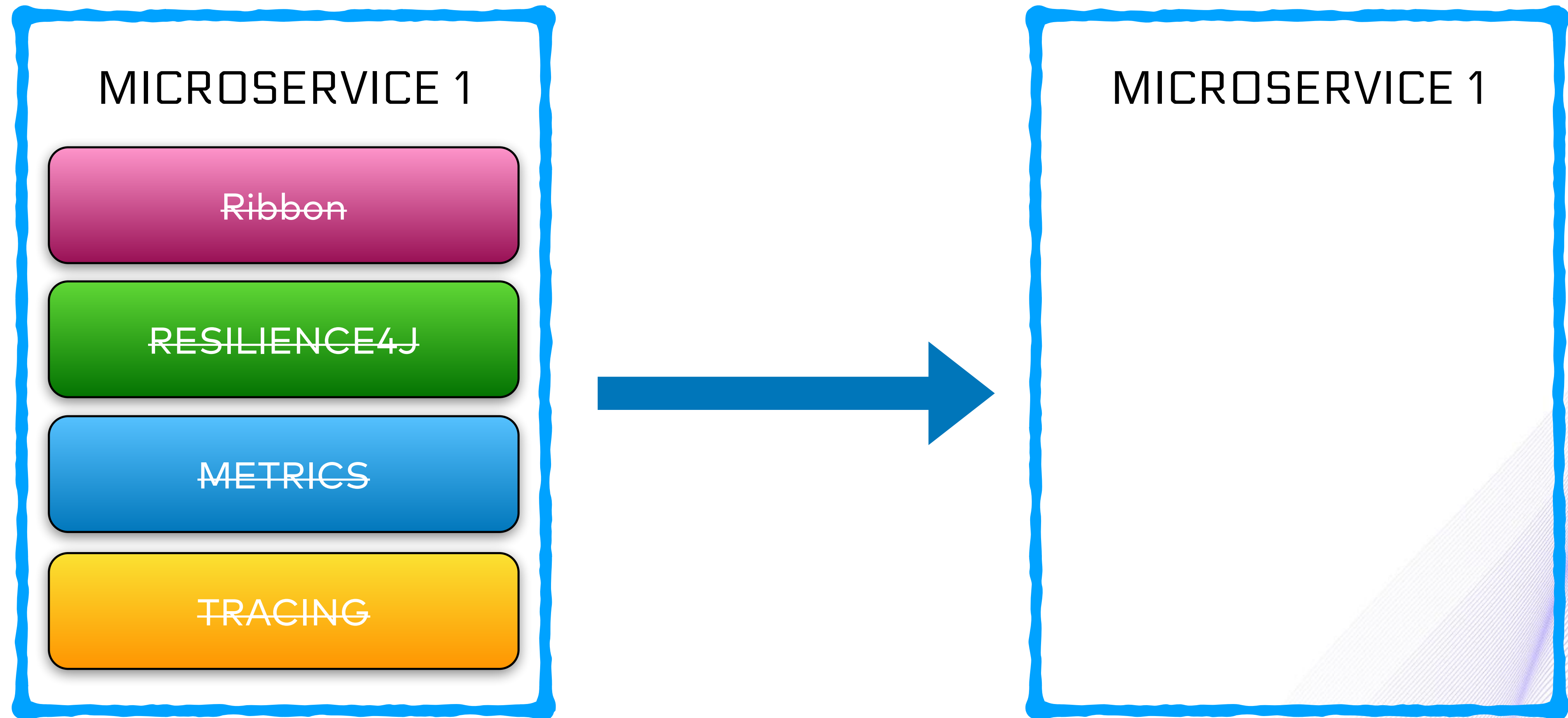
METRICS

TRACING

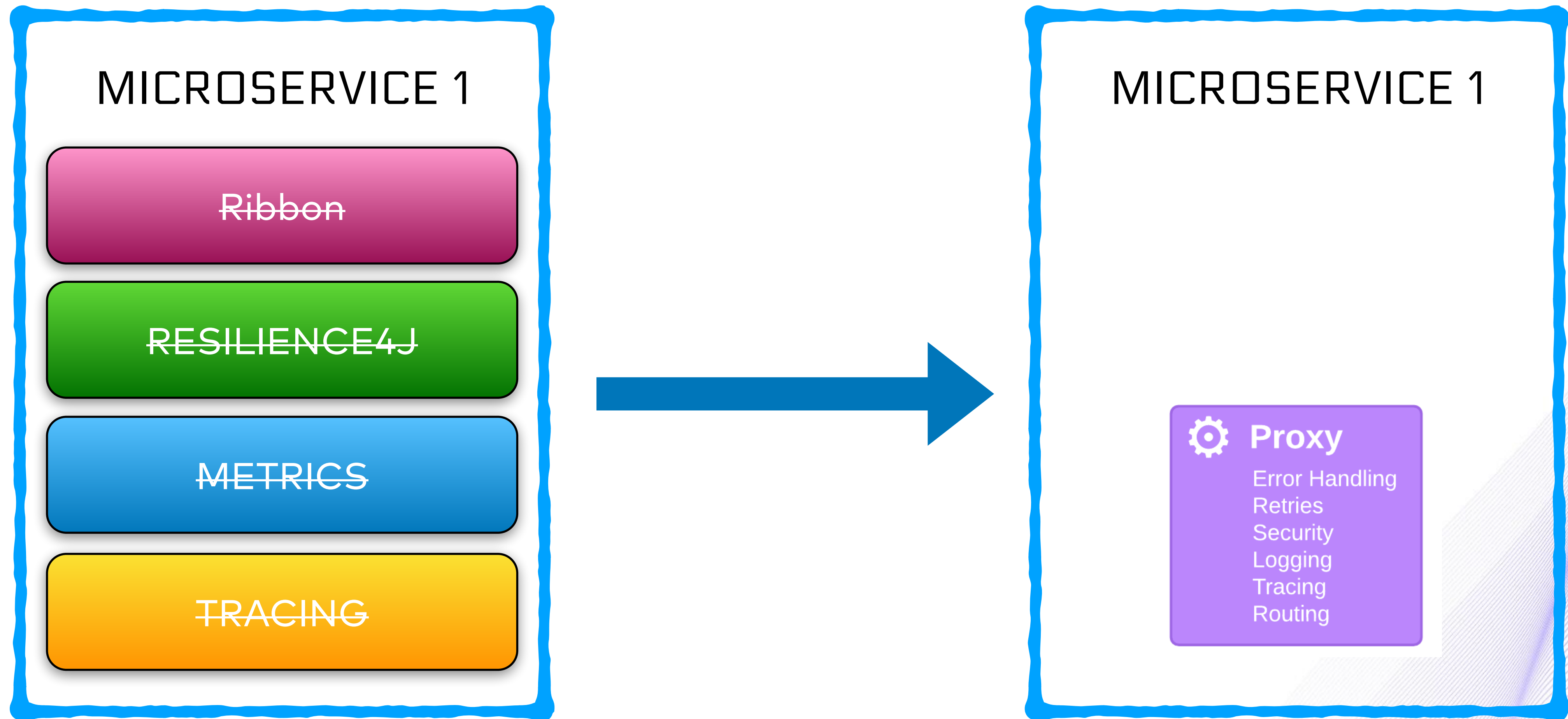
BUILD ONCE, USE EVERYWHERE

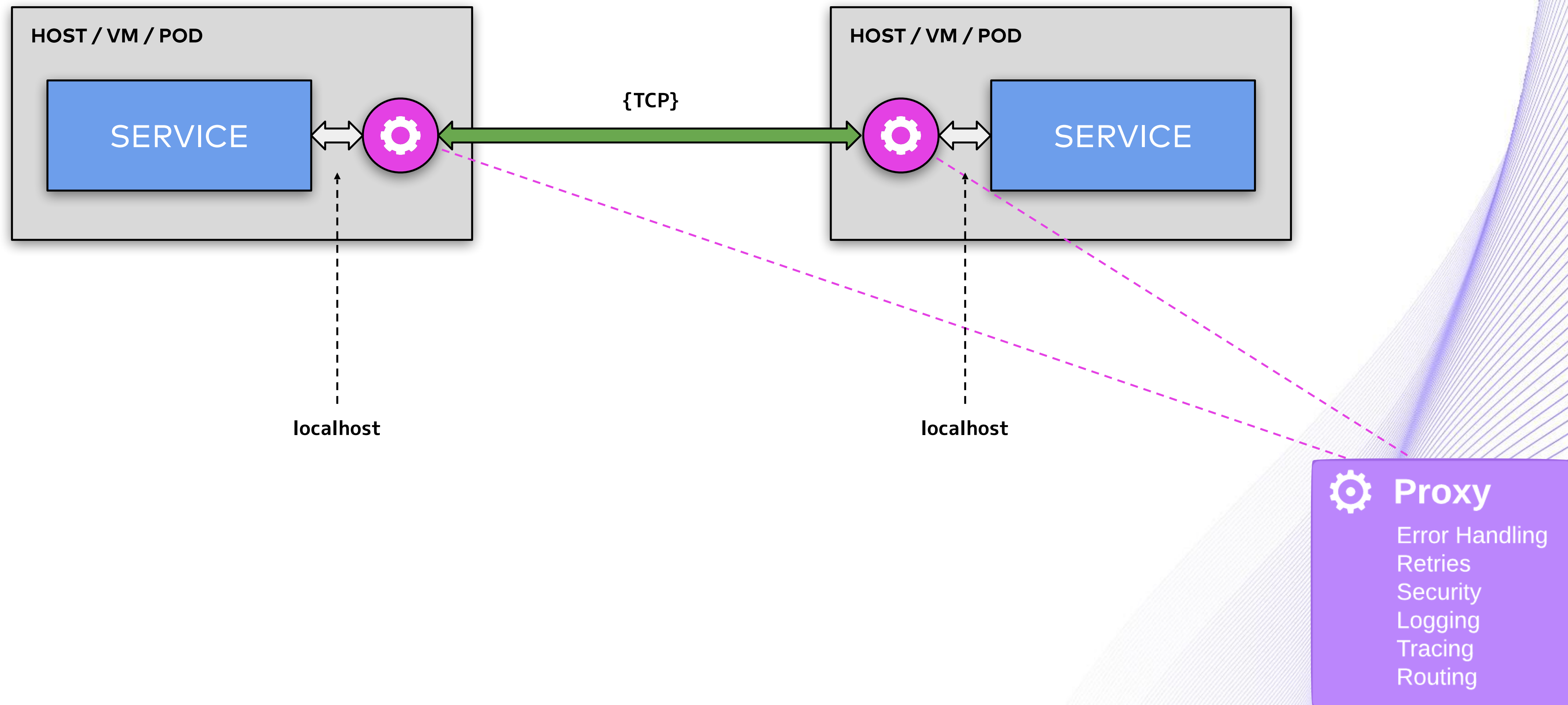


BUILD ONCE, USE EVERYWHERE

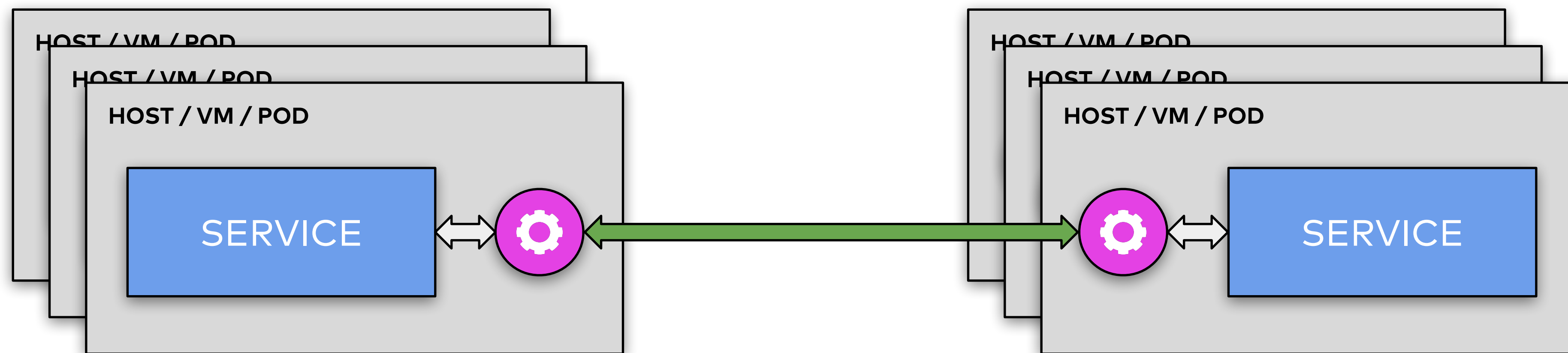


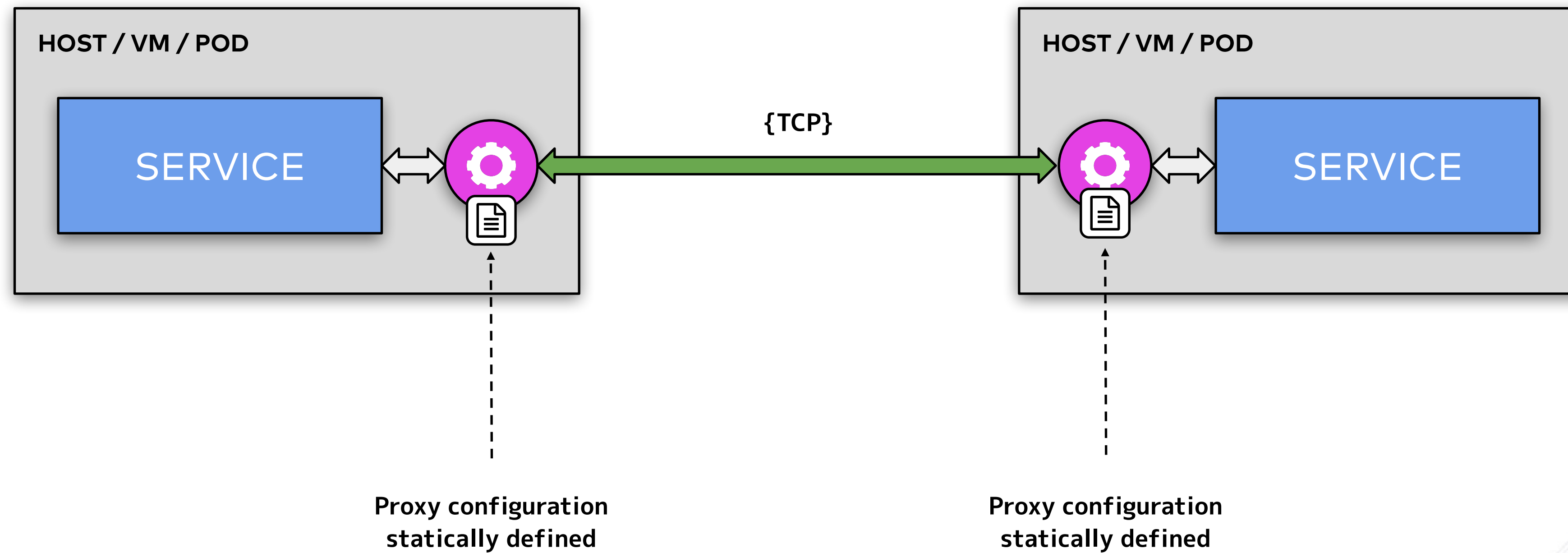
BUILD ONCE, USE EVERYWHERE

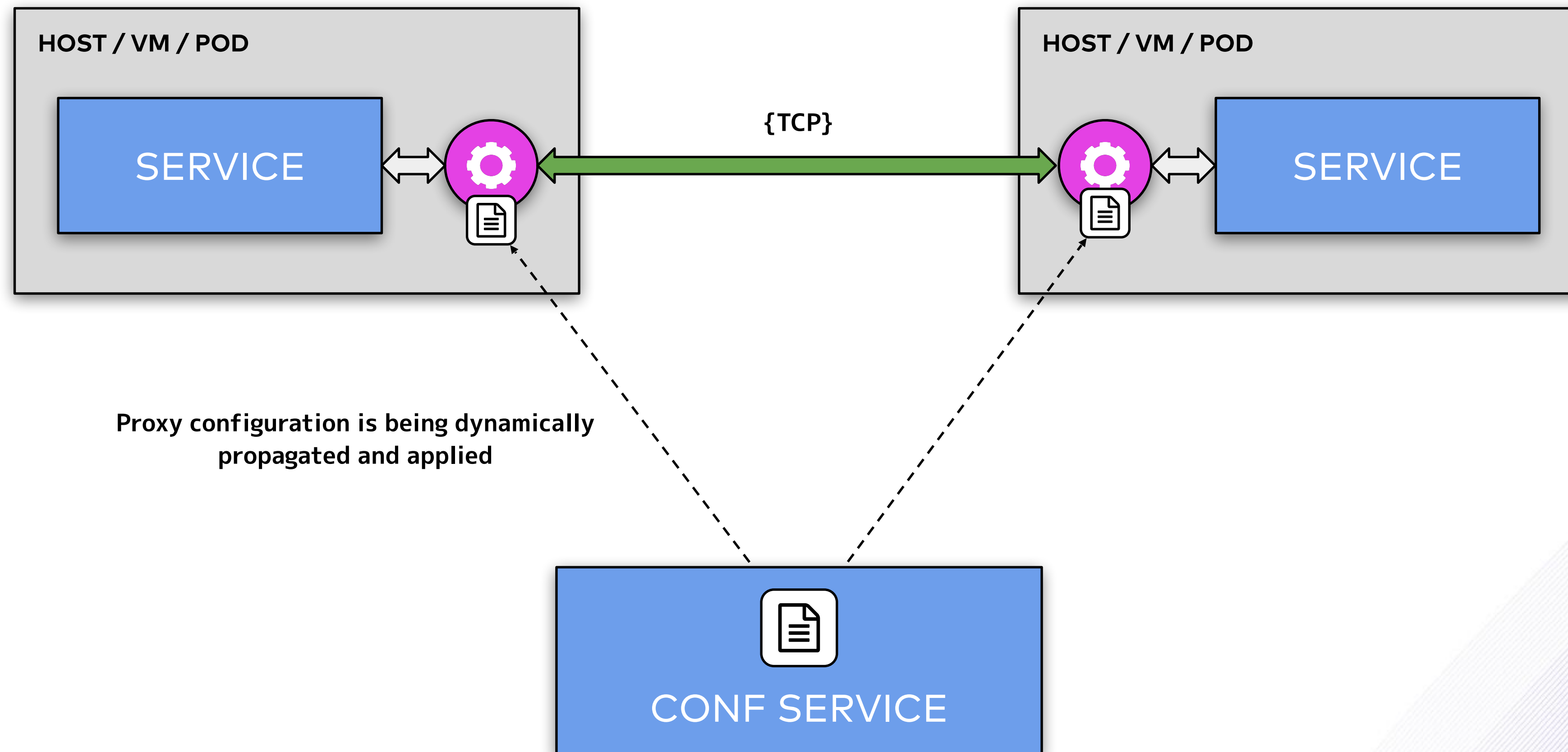


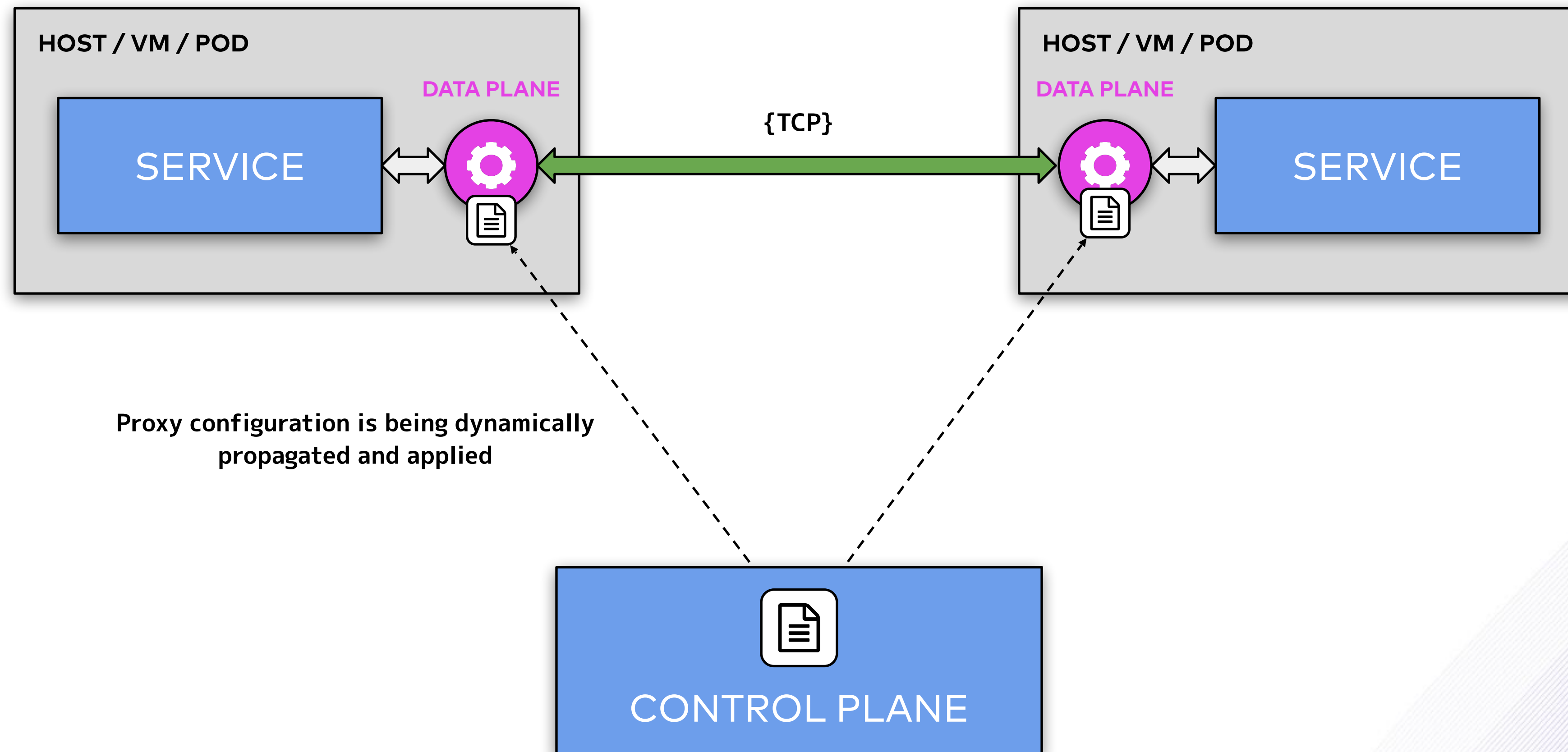


ONE INSTANCE OF PROXY ON EVERY REPLICA OF EVERY SERVICE

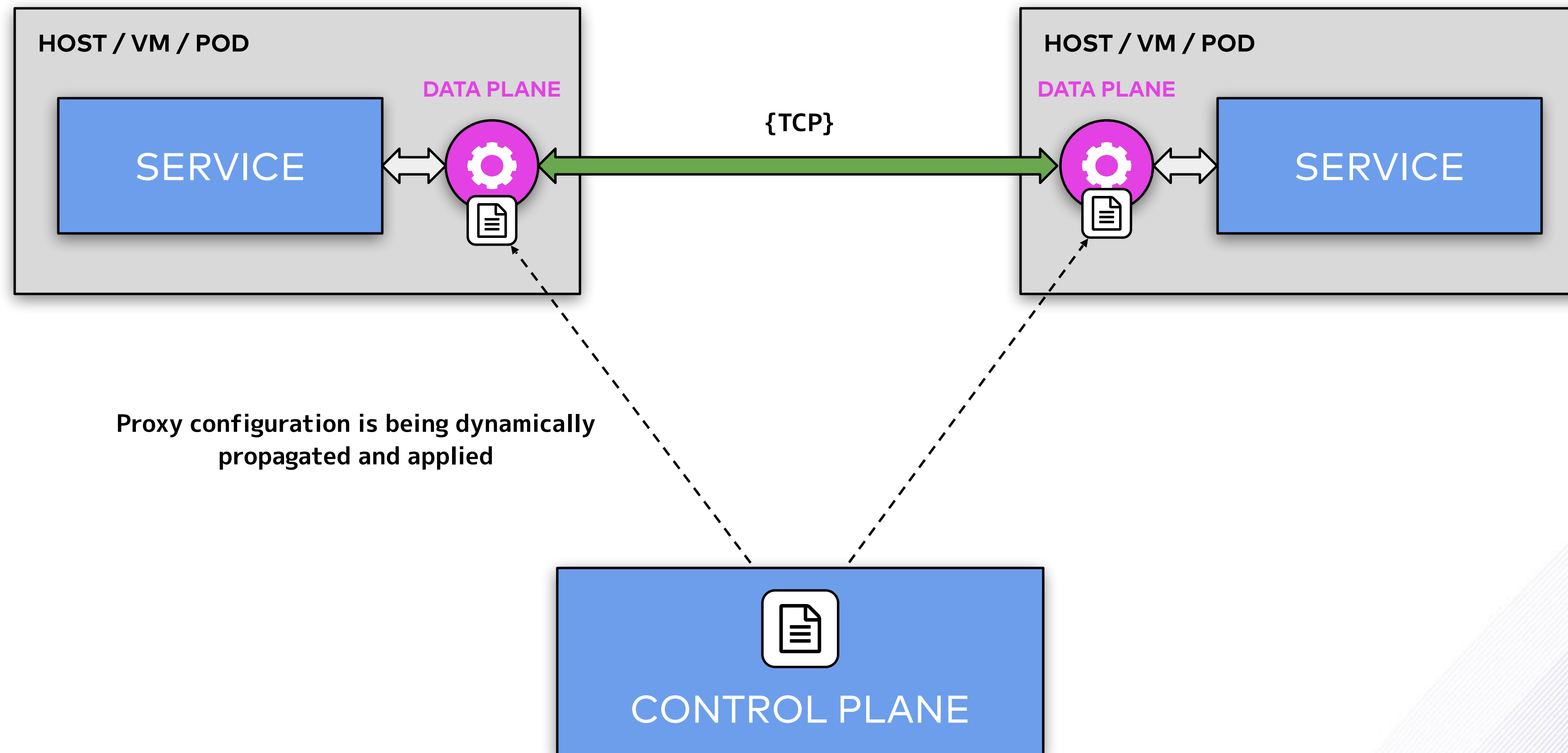


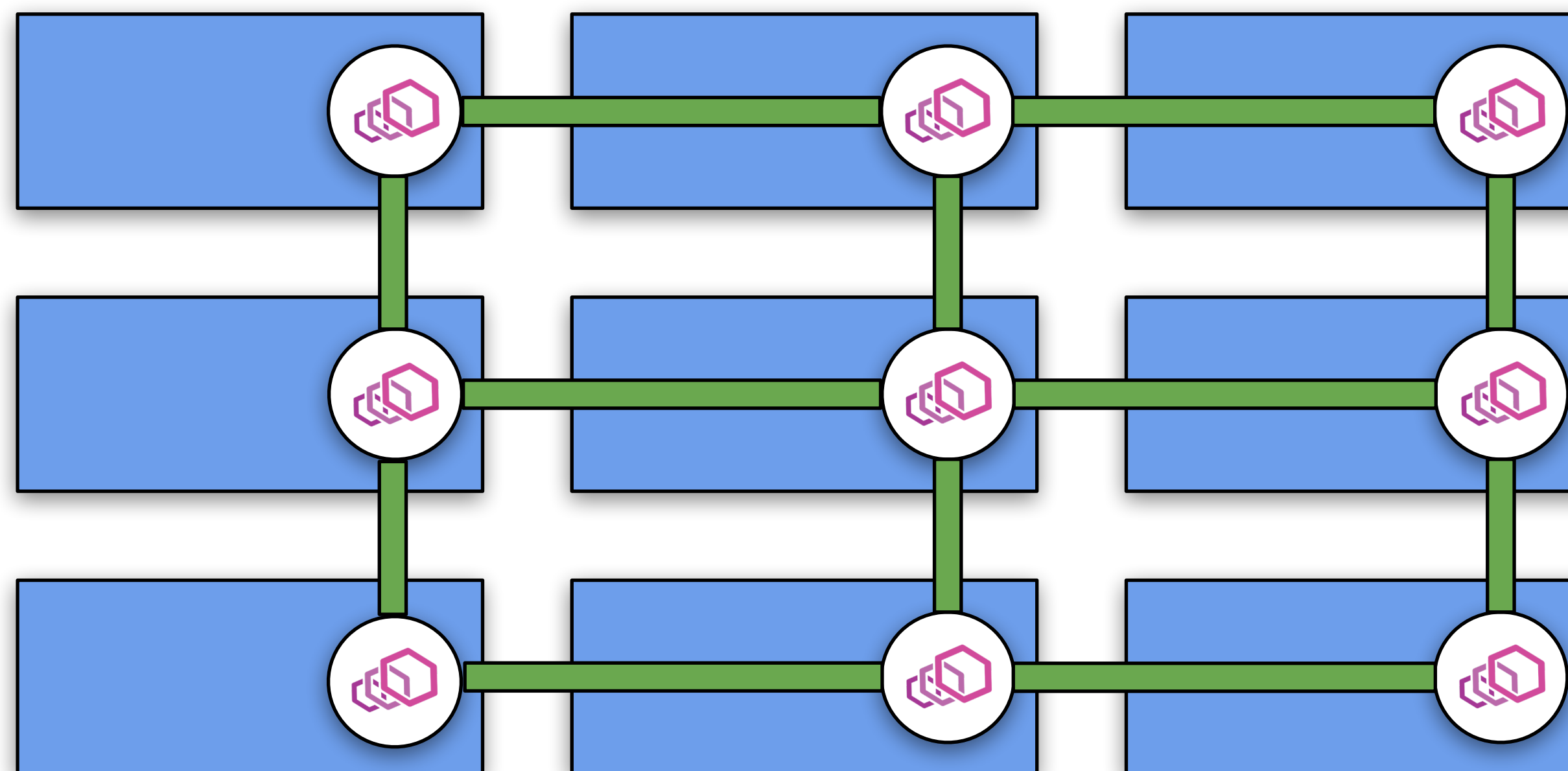






SERVICE MESH





DATA PLANE: **envoyproxy.io**
CONTROL PLANE: **kuma.io**

The background features a series of concentric, wavy lines in shades of blue and purple, creating a tunnel-like effect. In the bottom left corner, there is a purple outline of a device, possibly a smartphone or a small tablet, with a small square in the center.

STOP! Demo time!

Please, subscribe to my YouTube channel TM

The screenshot shows a YouTube channel page for 'Kong'. The header includes the YouTube Premium logo, a search bar, and navigation icons for home, shorts, subscriptions, originals, YouTube Music, library, and downloads. The main content area features a large video player with the title 'Kong's Kubernetes Ingress Controller' and a thumbnail showing a man speaking into a microphone. Below the video player are controls for play, share, download, and a menu, along with buttons for 'Play all' and 'Shuffle'. To the right of the video player is a list of five recommended videos, each with a thumbnail, title, and view count.

Kong's Kubernetes Ingress Controller
Kong
14 videos • 1,202 views • Last updated on Mar 31, 2023

1 What's new in Kong Ingress Controller 2.9 - GRPCRoute #gatewayapi #kubernetes #ingress #grpc
Kong • 108 views • 12 days ago

2 Introducing Kong Gateway Operator
Kong • 3.4K views • 5 months ago

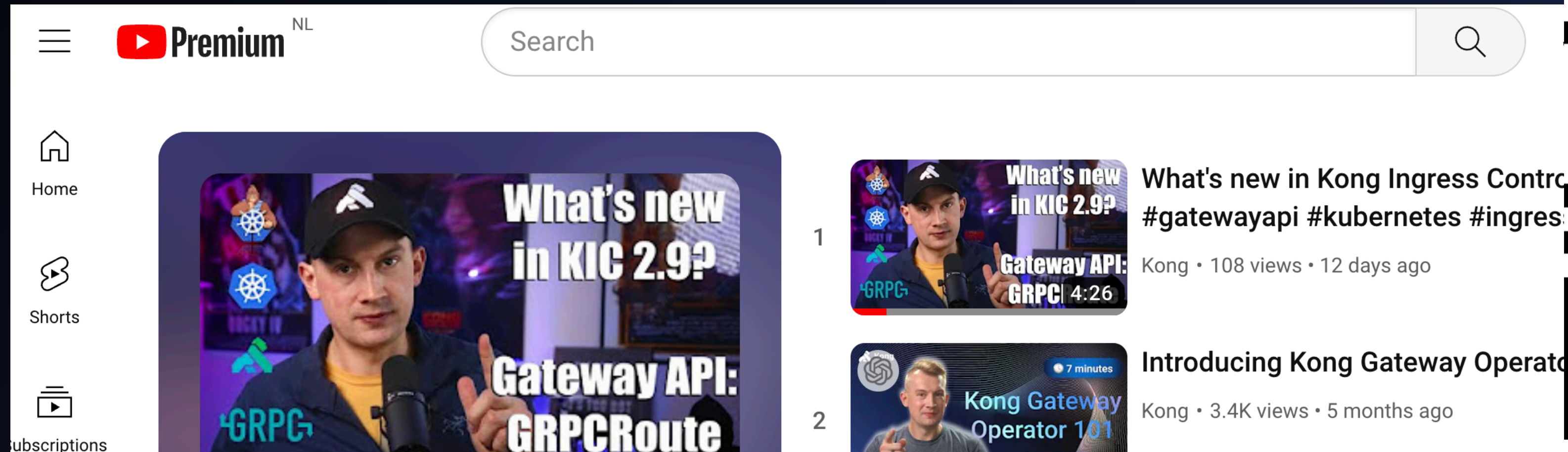
3 Kong Builders - Kubernetes Ingress Controller: Expose TCP services with Kong
Kong • 1.3K views • Streamed 11 months ago

4 Kong Ingress Controller Feature Preview: Gateway API
Kong • 871 views • 1 year ago

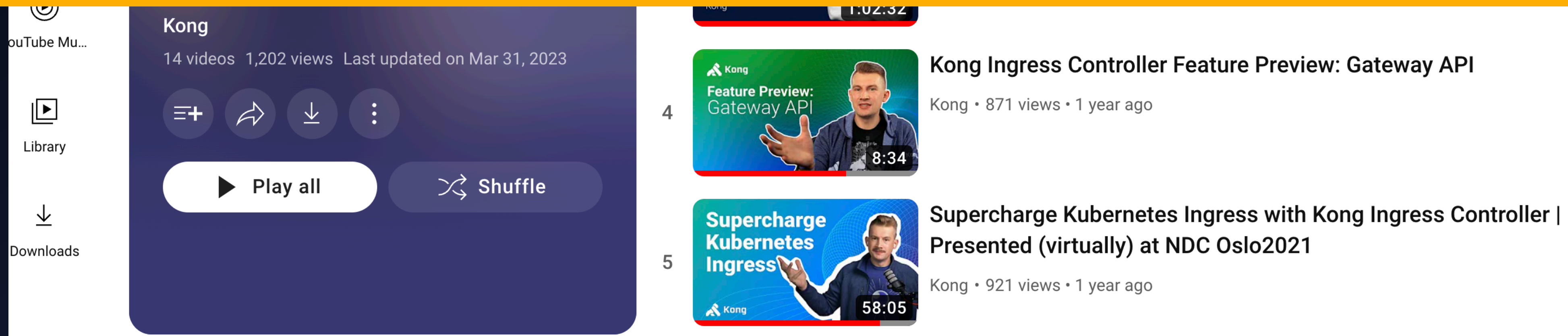
5 Supercharge Kubernetes Ingress with Kong Ingress Controller | Presented (virtually) at NDC Oslo2021
Kong • 921 views • 1 year ago

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