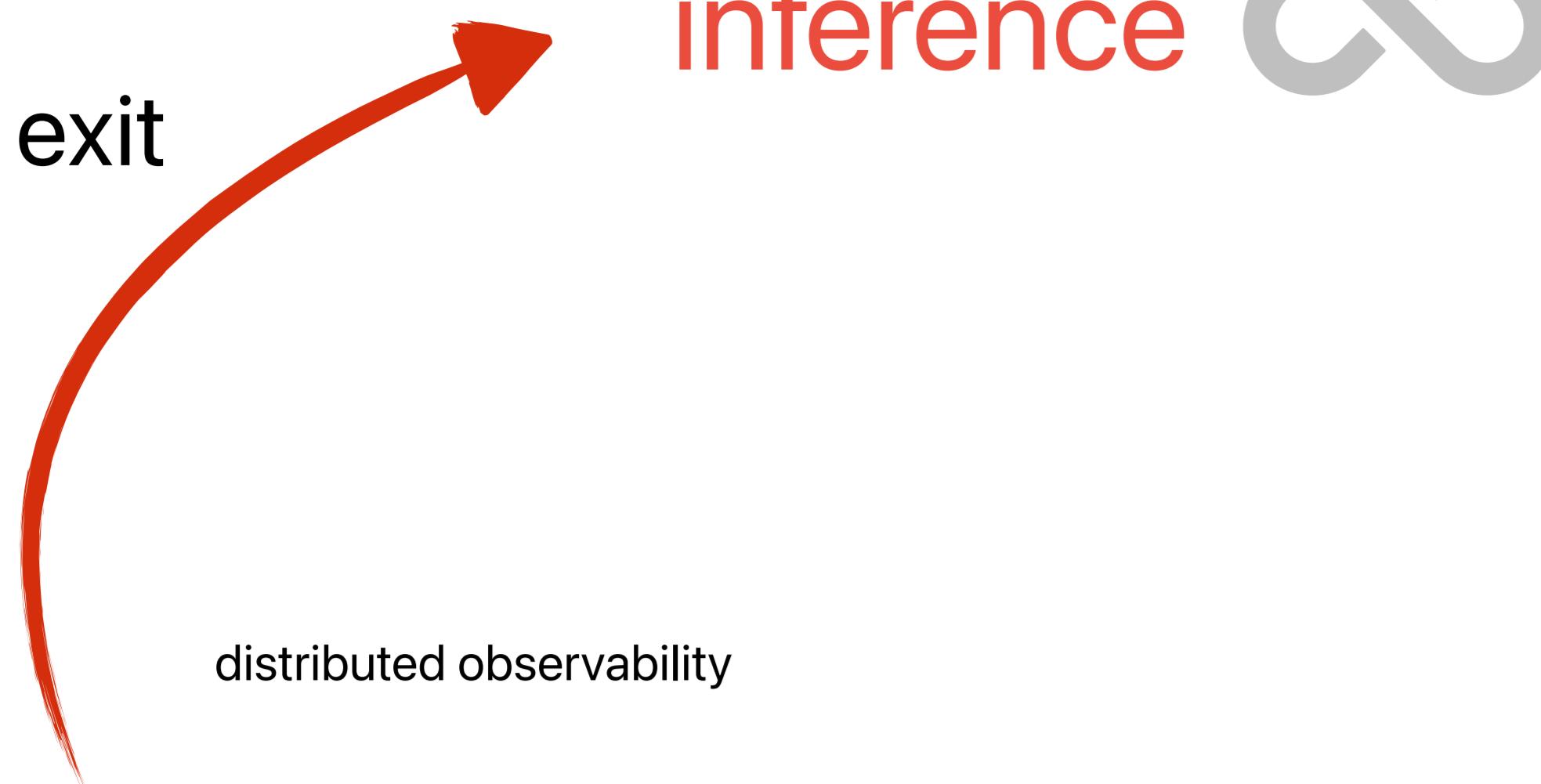


active inference



Back propagations (reconfigurations) should be much more dynamic.

agentic

small footprints (ocb)

collectors communicate each other and route, configure...

We are professionals yet we operate the systems according to emotions. Indeed, it is totally fine! 😊

sre

identify

slo

sad

back propagations

annotation

histograms

netconf

ingestion

prescriptive

operator

OpAmp

cardinality

correlation

abstraction

idempotent

digestion

retention

compression

raw / current model

hyper graphs

topology

exploratory model

digital twin

visual model

ui's dashboards

exploratory model

predictive model

generative model

queries

perception

personal self

conscious attention

emotion motivation

world model

model of network dynamics

preferential attachment (nodes):

k_i

$P_i - k_i$

• preferential attachment (edges):

S_j

$P_{ij} - S_j$

correlation

...
...

With my hands-on development and monitoring experience spanning from 1998 with TDMA at Layer 2 to Application Layer 7—often revisiting layers I haven't used as long as 10 years—I've always resonated with Joscha Bach's "spirit" concept, viewing it as akin to an application layer. Previously working with APM products and now leveraging OpenTelemetry distributed tracing, I take a top-down approach, focusing on high-level dynamics and behaviors. While other layers resemble matryoshka dolls, neatly graphable in a hierarchical manner, the application layer transcends physical boundaries yet remains the ultimate decision-maker, determining system performance through SLOs. Depths, colors, sizes—any representation delivering high value with minimal cardinality—becomes indispensable.

OSI Model Layer

Data

Application

Presentation

Session

Transport

Network

Host

Physical

Layer

Bits

Physical Layer

Protocol

Link Layer

Network Layer

Transport Layer

Session Layer

Presentation Layer

Application Layer

Data Layer

Physical Layer

Protocol Layer

Link Layer

Network Layer

Transport Layer

Session Layer

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