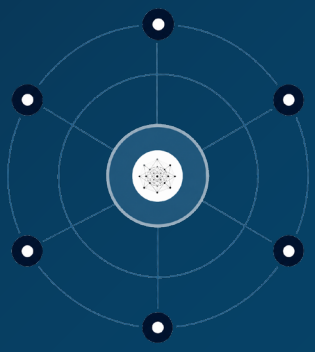
TRACE3

AI Ready Network

AI changes your traffic.

Your network must change with it.

AI training and inference create dense East-West traffic, tighter latency requirements, and new machine-to-machine security demands. Trace3 designs from the workload back, connecting campus, data center, edge, and cloud.



PERFORMANCE

Lossless, low-latency fabrics engineered for high-throughput AI traffic and RoCEv2.

SCALE

Leaf-spine architecture grows horizontally as AI workloads, GPUs, and East-West traffic expand.

SECURITY

Zero Trust segmentation protects AI workloads, data pipelines, and machine identities.

FROM NETWORK SILOS TO AN AI-READY ARCHITECTURE

Traditional: domain silos

Campus → WAN → Data Center

AI-ready: workload-led

Workload → Fabric → Pipeline → Security

THE GAP

- **Compute waste.** Congestion, packet loss, and latency reduce expensive GPU efficiency.
- **Scale friction.** Traditional architectures become bottlenecks as clusters and data movement grow.
- **New blind spots.** Machine identities and AI data flows expand the security surface.

TRACE3 VALUE

- **Workload-led.** Design starts with training, inference, data gravity, and traffic patterns.
- **End-to-end.** Connect users, data, AI infrastructure, edge, and cloud as one architecture.
- **Secure by design.** Protect models, pipelines, workloads, and machine identities from day one.

THE TRACE3 AI-READY NETWORK PATH

1	2	3	4	5	6
Discover	**Architect**	**Implement**	**Secure**	**Observe**	**Scale**
Readiness & traffic	Fabric & transport	Deploy & validate	Segment & govern	Assure & automate	Optimize & expand

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