



Generative AI: Hype meets Reality



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Turkey, Romania and CiS

Abundance

Scarcity



8
BILLION

80
BILLION



Public & Private Data Centers



Applications



Infrastructure



Evolving Apps &
Infrastructure

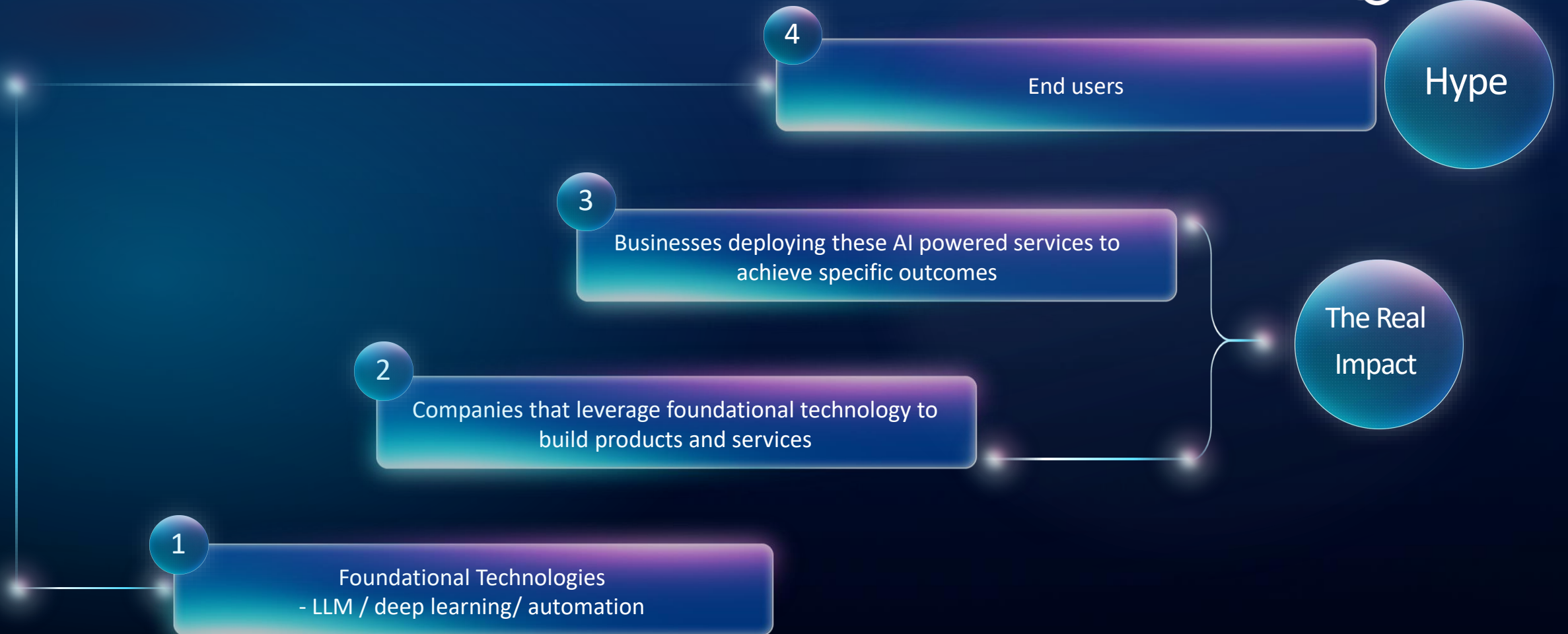


Foundation for
Generative AI Reality

The image features a central blue rounded rectangle with a white-to-blue gradient, containing the text "Cisco AI Readiness Index 2024". The background is a dark blue space filled with numerous thin, curved lines in shades of blue, purple, and orange. Scattered throughout are small circular icons, some containing document symbols. On the left side, a large, semi-transparent sphere with a purple-to-blue gradient is partially visible.

Cisco AI Readiness Index 2024

AI: Hype vs Reality



What we set out to achieve



Measure
Readiness



Address Gaps
in readiness



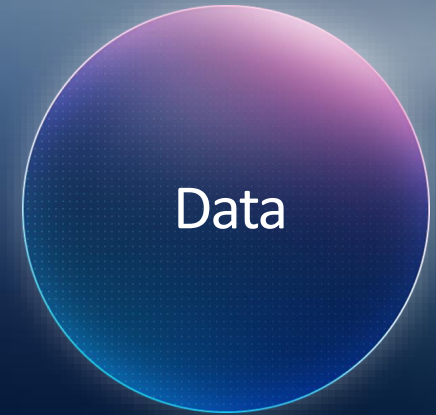
What challenges, if any,
they are facing as they
address these?



Current and future
ROI on AI
Investments

AI Readiness:

The foundational building blocks



AI Readiness:

The urgency to deploy AI continues

The **CEO and the Leadership team** are driving the urgency, closely supported by the **Board of Directors** and **Business Unit Leaders**.



Feel that urgency to deploy AI / AI-powered technologies has increased in the past six months



Companies say **CEO and the leadership team** are top drivers of urgency to deploy AI

AI Readiness:

Key takeaways

Global AI Readiness is
flatlining/declining

Companies are investing,
but gains aren't
meeting expectations

The pressure to succeed
is relentless

Global AI Readiness

Unprepared

Limited
Preparedness

Moderate
Preparedness

Fully Prepared

Governance

9%

49%

26%

16%

Talent

6%

46%

33%

16%

Culture

17%

43%

32%

9%



85%

Feel they have 18 months to show value or lose competitive advantage



59%

59% give it only 12 months



13%

Of companies are fully ready to capture AI's potential (down from 14%)



Gap

Between urgency and ability is especially startling

Compute

Data Center

Cybersecurity

Networks are
not equipped to
meet AI workloads





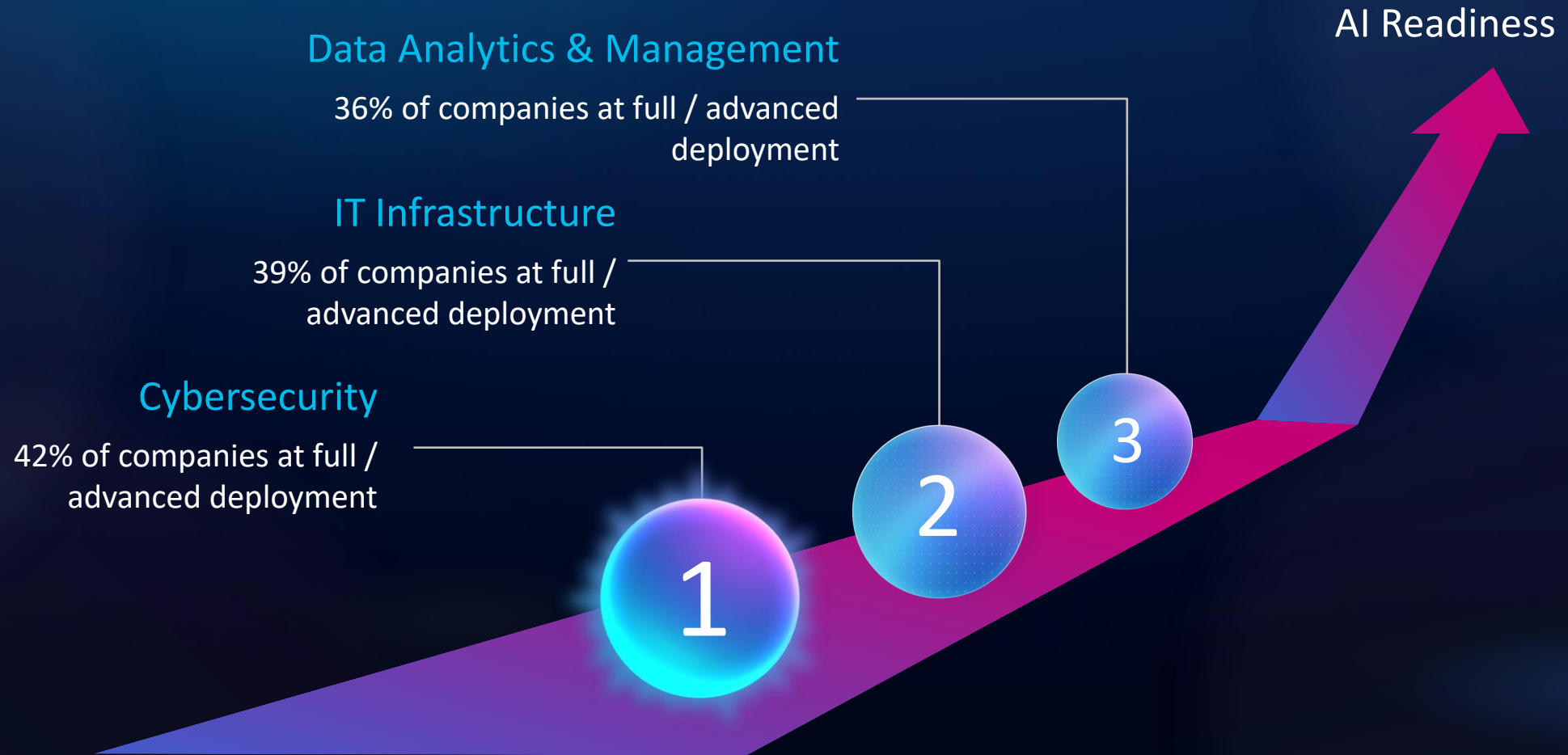
Top 3
challenges

Lack of Talent

Cybersecurity Risks

Long lead times

Top areas where businesses are deploying AI



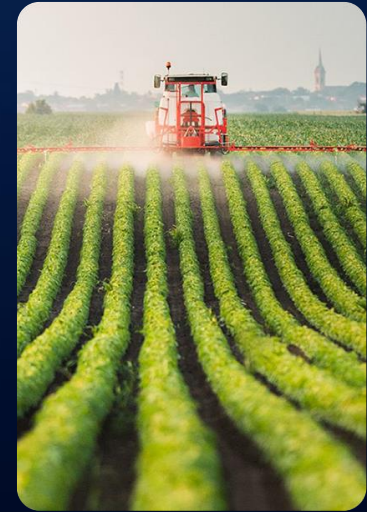


What's Next

What can organizations do to boost AI Readiness?



Every organization's AI approach and needs are different



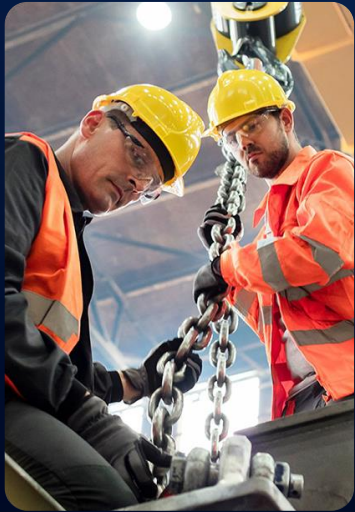
Build the model
Training

Optimize the model
Fine-tuning and RAG

Use the model
Inferencing

Model the world
Digital twin

Every organization's AI approach and needs are different



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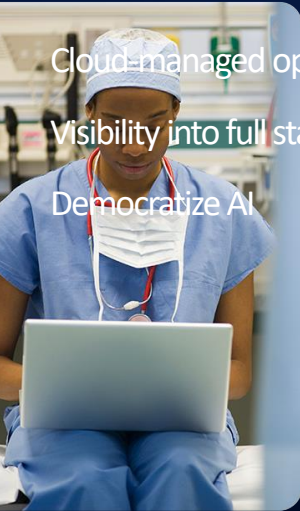
AI Cluster in partnership with NVIDIA

Building high-density GPU servers to the Cisco UCS family & to Cisco's AI solution portfolio

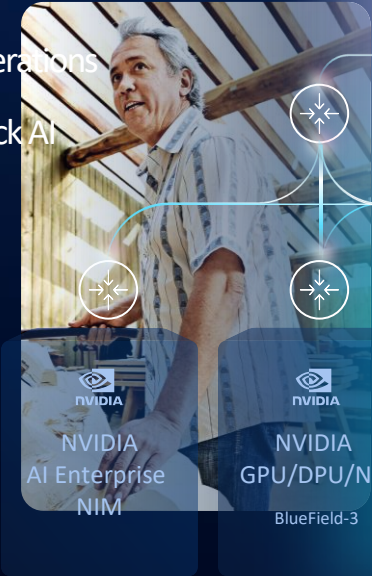


Cisco Nexus Hyperfabric for AI

Discover data-intensive use cases like model training and deep learning



Cloud-managed operations
Visibility into full stack AI
Democratize AI



NVIDIA AI Enterprise NIM
NVIDIA GPU/DPU/NIC BlueField-3



Cisco UCS Accelerated
VAST Storage



Cisco 6000 Series switches



UCS Accelerated
UCS C885A M8

Nvidia HGX with 8 Nvidia H100 GPUs
AMD Mi300X

2 AMD 4th Gen EPYC™ Processors



Built on Cisco Silicon One and Optics innovations

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AI PODs



Large language models ▶

AI tooling ▶

Kubernetes ▶

Operations ▶

Accelerated compute

LAN and SAN networking

Converged infrastructure

Automation ▶

NVIDIA NVAIE | NIMS

OPENSIFT

CISCO Nexus Dashboard and Intersight

CISCO UCS

CISCO Nexus

FlashStack

FlexPod

Edge Inferencing
(7B-13B Parameter)

RAG Augmented Inferencing
(13B+ Parameter)

Large Scale RAG Augmented Inferencing
(70B+ Parameter)

Large Inferencing Cluster
(Inferencing Multiple Models)

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Download the Cisco AI Readiness Report



Take the Cisco AI Readiness Assessment



