

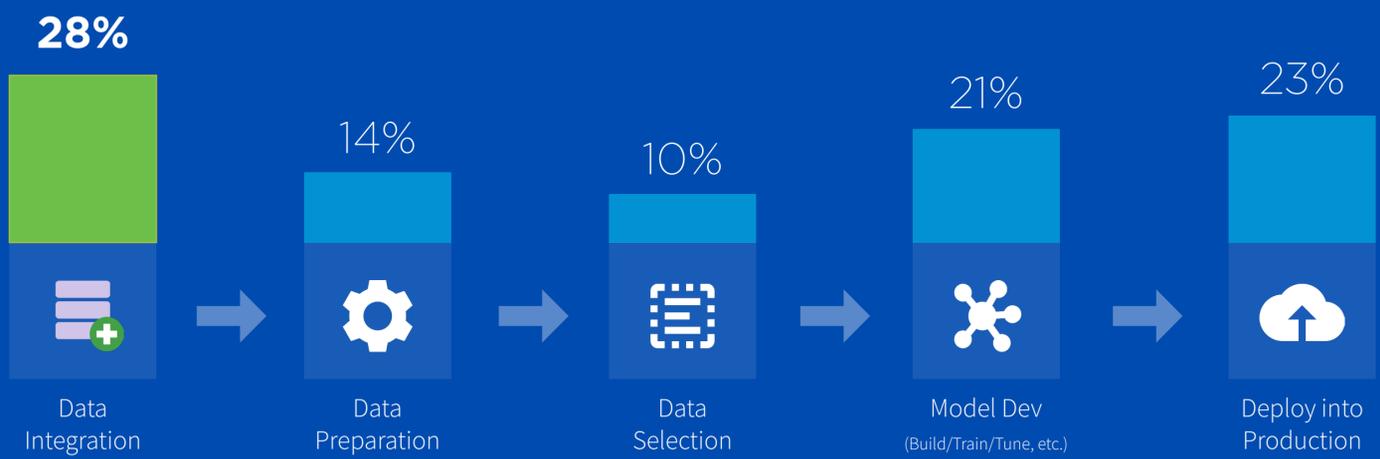
# The Challenges of Operationalizing AI/ML

## Three Commonly Overlooked Factors

While businesses across the board view AI as a lifechanging technology, they experience many barriers to adoption. Whether due to skills gaps throughout organizations, copious challenges in the data pipeline, or ineffective data management and orchestration tools across hybrid cloud environments, organizations fear their AI initiatives are not achievable.

### 1st Commonly Overlooked Factor

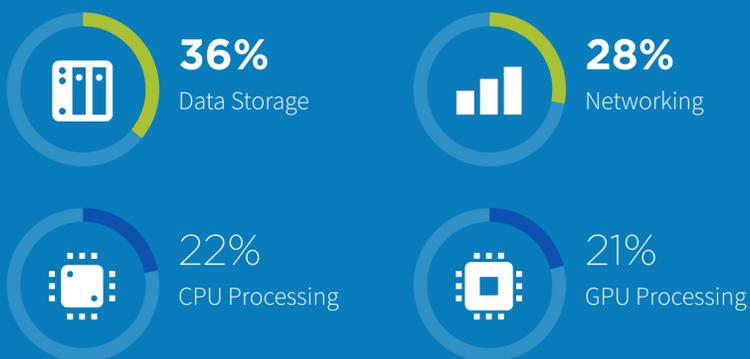
Contrary to popular belief, model development is not the most prevalent challenge to operationalizing AI/ML. Enterprises need to take a data lifecycle approach to operationalizing AI/ML.



What phase of the AI/ML data pipeline do you feel creates the most challenges for your organization?

### 2nd Commonly Overlooked Factor

Data storage and networking can be more important to supporting AI/ML initiatives than CPU and GPU acceleration.

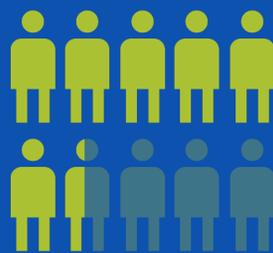


To simplify and accelerate AI/ML initiatives, organizations should prioritize a **unified infrastructure that integrates storage, networking, and compute (CPU and GPU).**

Which of the following are—or likely will be—most important in your organization's consideration of the infrastructure solution(s) used to support its AI/ML initiatives?

### 3rd Commonly Overlooked Factor

Not all AI/ML happens in the cloud.



**64%** of organizations pursuing AI/ML initiatives are prioritizing on-premises infrastructures as their primary deployment model.

What is the primary infrastructure deployment model your organization uses—or expects to use—to support AI/ML?

For more than three decades, Cisco technology has enabled companies to adopt new business models, gain new efficiencies, and discover new opportunities. As organizations look to effectively embrace AI, they must turn to a vendor that offers the right level of guidance to ensure success. With a unified approach across the complete lifecycle of AI data, Cisco can help demystify the AI stack for early adopters as well as provide the next-generation hardware and integrations to advance usage from machine learning to deep learning.

To find out how Cisco can help power your AI data lifecycle from end to end, read the ESG White Paper.

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