

Top 5 eye openers from an economic model to optimize technology investments

1. Technology investment is approaching \$8T annually

Today's global technology investment:



now reaches
30%
of OpEx

2. Top performers capitalize on a hybrid technology mix

Compared to average performers, best-in-class organizations have



10% MORE
mainframe



10% MORE
public cloud



20% LESS
distributed

than their industry counterparts

3. Public cloud is less than 10% of total IT spend



The combined public cloud revenue of Amazon Web Services, Microsoft Azure, Google Cloud, and IBM is less than 10% of the \$8 trillion in worldwide IT spend.

4. 72% of transactional workloads require only 8% of total IT cost.

Technology Asset Class	Percentage of the World's Transactional Workloads	Percentage of Cost
Public cloud*	5%	14%
Mainframes	72%	8%
Distributed / Other	23%	78%

*includes cloud service provider charges and in-house costs

5. Financial discipline yields optimized tech investments

Top performing organizations optimize their technology stack by matching to their specific business growth goals and risk tolerance.

Consider the economics of scaling each asset class.

Nothing scales like mainframe investment. Doubling your footprint can result in a 60% cost reduction per unit of compute.

Moving transactional work from mainframe to public cloud could cost you as much as 5x more.

2x = 10%

distributed growth unit cost reduction

2x = 20%

public cloud growth unit cost reduction

2x = 60%

mainframe growth unit cost reduction

Gain a competitive advantage through the Technology Asset Class Optimization model.

This optimization framework offers a proven way to make smart, winning investment decisions for your tech stack and balance new versus existing technology investments.



[Explore the Model](#)