



**Galson.TPI**  
Technology Prioritization Index

## Mini Report Cloud



**Galson.**

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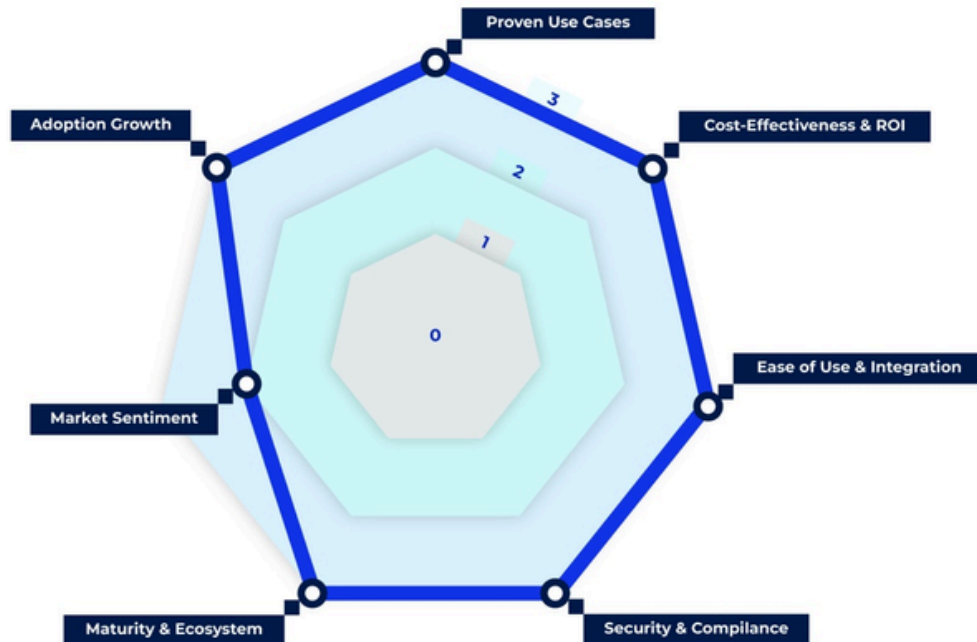
# Background

Cloud computing has become the backbone of modern digital transformation, enabling scalability, agility, and innovation across industries. Despite its widespread adoption, organizations continue to face challenges in optimizing cloud investments. Recent studies indicate that 35% of cloud migrations fail to meet cost or performance objectives, often due to misaligned strategies, security gaps, or insufficient expertise. This report evaluates Cloud through Galson's proprietary Technology Prioritization Index (TPI) framework to assess its viability and strategic value.

## Cloud Technology Prioritization Index Analysis:

Cloud

Galson.



TPI Navigator Rank: **Foundational** TPI Score: **20/21**

# Explanation of the Technology Prioritization Index

The Technology Prioritization Index (TPI) is Galson's proprietary measure for assessing technology domains. Every technology is scored from **1** (limited or minimal performance) through **3** (strong performance) across key business criteria foundational to technology enablement and digital transformation within an enterprise. Each domain is measured against seven key factors:

## Proven Use Cases

**3 (Strong)**

Cloud computing boasts extensive proven use cases, from infrastructure modernization (IaaS) to AI-driven analytics (PaaS/SaaS). Over 92% of enterprises leverage cloud for at least one critical workload.

## Cost Effectiveness and ROI

**3 (Strong)**

While cloud offers pay-as-you-go flexibility, 40% of organizations report overspending due to underutilized resources or lack of cost governance tools. ROI is clear for scalable workloads but remains ambiguous for legacy migrations.

## Ease of Use and Integration

**2 (Moderate)**

Major providers (AWS, Azure, GCP, Oracle, Alibaba) offer user-friendly interfaces and APIs, but integrating hybrid or multi-cloud environments with legacy systems often requires specialized expertise.

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# Explanation of the Technology Prioritization Index

## Security and Compliance

**3 (Strong)**

Security tools have matured, yet 58% of enterprises cite misconfigurations and data sovereignty risks as persistent concerns. Compliance frameworks (GDPR, HIPAA) add complexity in multi-region deployments.

## Maturity and Ecosystem

**3 (Strong)**

The cloud ecosystem is highly mature, with robust vendor support, standardized architectures, and a \$678 billion market (2024). Over 75% of Fortune 500 companies rely on multi-cloud strategies.

## Market Sentiment

**2 (Moderate)**

Cloud remains a top priority for 89% of IT leaders, driven by digital transformation mandates. Investment in edge computing and AI-as-a-Service further bolsters sentiment. However, market sentiment has declined slightly compared to other domains, in particular Generative Artificial Intelligence.

## Adoption Growth

**3 (Strong)**

Global cloud spending is projected to grow at 17% compound annual growth rate (CAGR) through 2030, with 80% of enterprises planning to migrate additional workloads. Hybrid cloud adoption surged by 45% to 73% in 2024.

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## Cloud: Balancing Promise and Pitfalls

Cloud provides enterprises the opportunity to scale and experiment with minimal risk, and maximum opportunity. With major cloud providers offering 100+ services, there are opportunities to move legacy systems into more scalable infrastructure. There are many considerations that must be taken into account before planning infrastructure projects. Poor planning and failure to tailor enterprise strategy to specific use cases can prove to be a costly mistake.

### High: Market Sentiment and Maturity

Cloud technology enjoys unwavering market confidence, with 94% of organizations prioritizing cloud-first strategies. Major providers continue to innovate, offering industry-specific solutions (e.g., healthcare cloud, fintech sandboxes). However, this optimism masks underlying challenges: 63% of IT managers report “cloud fatigue” due to tool sprawl, while 48% struggle with vendor lock-in.



# Cloud: Balancing Promise and Pitfalls

## Low: Cost Governance and Security

Despite advancements, cost overruns plague 52% of cloud users, often from unmonitored storage or overprovisioned resources. Security remains a dual-edged sword—while providers invest heavily in encryption and zero-trust frameworks, enterprises still bear responsibility for configuration and access controls. The 2023 Cloud Security Alliance report noted a 31% YoY increase in cloud-related breaches, primarily from credential mismanagement.

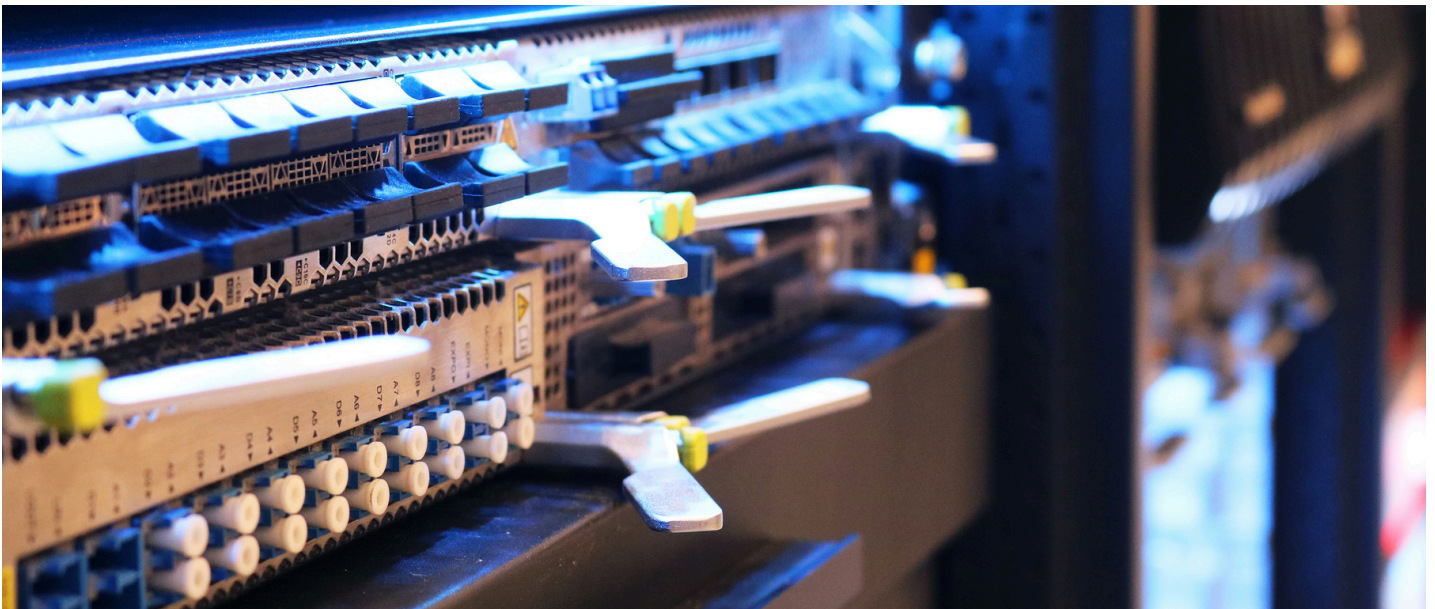


## Considerations

When implementing Cloud into your organization, it is important to ask and answer key questions:

- Does the organization have a clear roadmap for workload prioritization (e.g., lift-and-shift vs. refactoring)?
- Are cost monitoring tools (e.g., AWS Cost Explorer, Azure Cost Management) integrated into governance practices?
- Does the team possess expertise in multi-cloud orchestration (e.g., Kubernetes, Terraform)?
- Has the organization assessed compliance requirements for data residency and sovereignty?
- Is there a strategy to mitigate vendor lock-in (e.g., containerization, open-source tools)?
- Does the cloud strategy align with broader business objectives (e.g., sustainability, AI adoption)?
- Are change management protocols in place to address skill gaps and organizational resistance?

These key questions lay the foundation for the robust strategy required before investing large scale cloud implementations. If you're in need of assistance crafting strategy, please go to [galson.com/researchlab](https://galson.com/researchlab) for our half day seminar and strategy program.





## Summary

Cloud computing is a cornerstone of enterprise IT, yet its ubiquity demands disciplined strategy. While the TPI score reflects high maturity and adoption, challenges in cost governance, security, and integration persist. As edge computing and AI-driven cloud services evolve, organizations must balance innovation with operational rigor.

Galson is committed to real time industry research analysis. A scorecard update will be published in **Summer 2025**. For a full domain TPI report or for industry specific TPI reports, visit [galson.com](https://galson.com) or email [hello@galson.com](mailto:hello@galson.com) with the subject TPI Inquiry.

## Galson.

Galson is a technology research and training firm that serves business advisors and consulting firms. We focus on researching technology domains most relevant to business success. Our signature tool, the Technology Prioritization Index (TPI), ranks technology domains based on their business impact.

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