LTIMindtree BlueVerse

Why Enterprises Are Adopting MCP

Key Insights & Analysis

Why Are Enterprises Adopting MCP?
Researchers Share Their Analysis

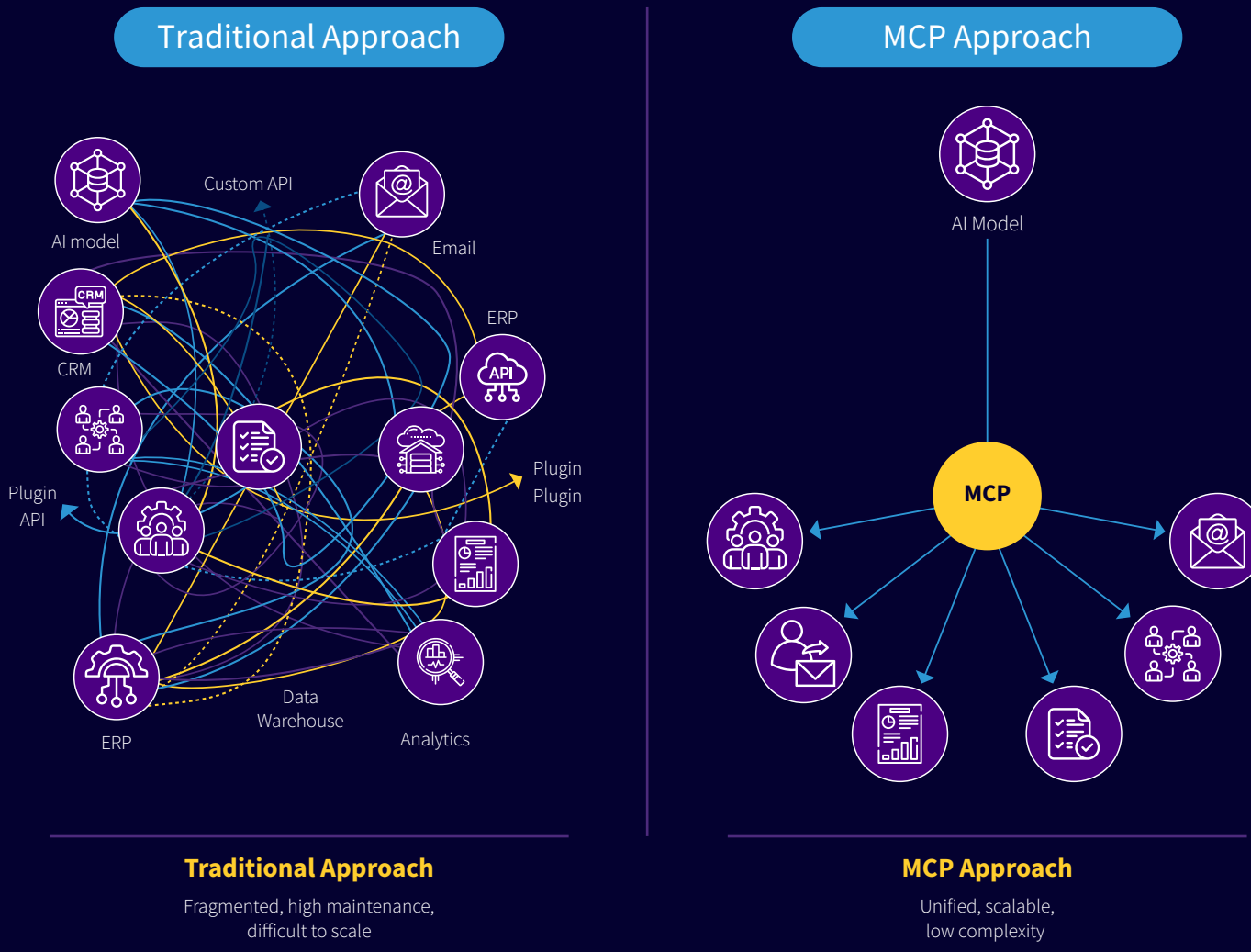
Let's start by understanding what's broken with traditional AI integrations.

Over the course of our research*, we observed that traditional AI integrations create more problems than they solve for enterprises aiming to scale. Most organizations rely on fragmented, point-to-point connections between models, tools, and data sources. This approach leads to tangled integrations that quickly become hard to manage.

We noticed that each new workflow or use case often requires a custom-built API or plugin. Over time, this patchwork becomes a significant source of technical debt. Maintenance efforts rise, updates are difficult to coordinate, and the risk of system failure increases.

Scaling is another persistent challenge. When every integration is unique, expanding AI across teams or business units means repeating the same work, costing time and resources, and introducing new risks at every step.

Unsurprisingly, 90% of IT leaders say it's tough to integrate AI with other systems[1]. The burden of complexity holds back digital transformation and innovation, preventing organizations from realizing the true potential of enterprise AI.



Traditional Approach

Fragmented, high maintenance, difficult to scale

MCP Approach

Unified, scalable, low complexity

Figure 1: Why legacy AI integrations hold enterprises back

Why the Model Context Protocol (MCP) Is Getting Attention?

Our analysis* found that enterprises are rethinking their integration strategies by exploring options beyond legacy models. Gartner predicts that more than 30% of the increase in demand for application programming interfaces (APIs) will stem from AI and tools utilizing large language models by *2026*[2].

The *model context protocol* stands out as a pragmatic response to the demands for growing scalability, agility, and interoperability. Here are some reasons why even Gartner considers MCP as an emerging standard to enable communication between AI applications, AI agents, and data sources[3]:

01 Unlike the traditional approach, which requires developers to design and manage custom connectors for every new system or application, MCP introduces a standardized protocol that acts as a universal interface between AI models and enterprise tools.

02 This unified layer abstracts much of the underlying complexity, so teams can focus on delivering value rather than stitching together integrations.

03 By adopting MCP, organizations benefit from modularity and flexibility, and integrations become reusable assets, not one-off solutions.

04 The protocol's model-agnostic design ensures that both current and future AI investments remain compatible with evolving enterprise landscapes, minimizing disruption as new tools or data sources are introduced.

05 A growing number of enterprises recognize that this shift is not just about reducing engineering effort; it is about future-proofing their AI ecosystems and positioning themselves for accelerated digital transformation.

Enterprises See Tangible Benefits of MCP Adoption

Our research* highlights several concrete advantages enterprises realize when adopting the model context protocol.

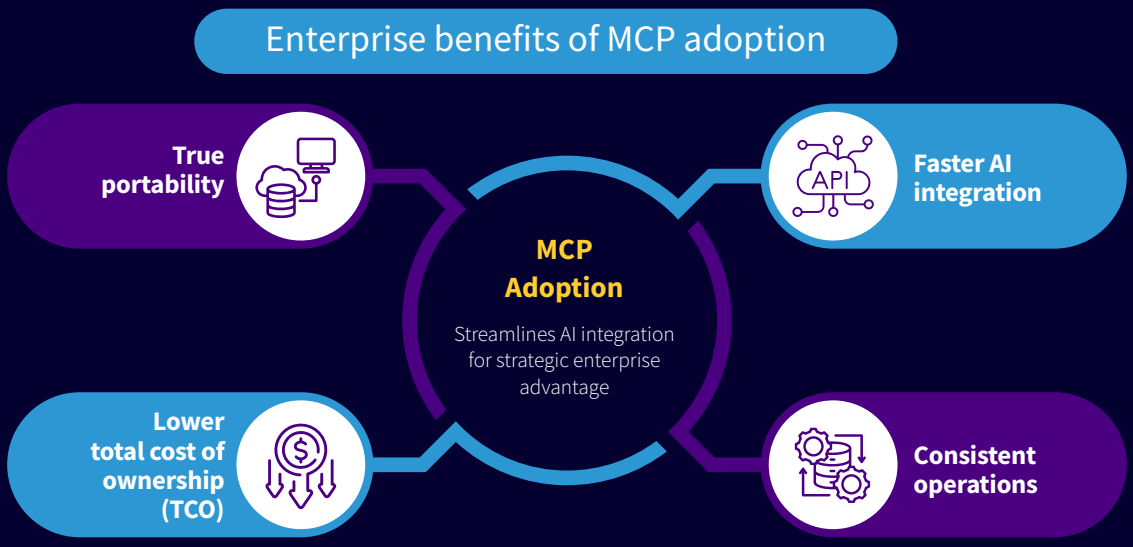


Figure 2: Key benefits of adopting the model context protocol

Integration is simplified, and deployment cycles accelerate

MCP streamlines the process of connecting AI models with business systems. Teams spend less time building and maintaining integrations, allowing faster rollout of new capabilities.

Consistency is achieved across platforms and environments

With MCP, organizations no longer face discrepancies or compatibility issues between tools. The protocol ensures a uniform approach to integration, reducing errors and unplanned downtime.

Total cost of ownership is reduced, and investments are future-proofed

MCP's reusable architecture lowers ongoing maintenance costs and minimizes technical debt. Enterprises can adopt new tools or replace legacy systems without reworking every integration, protecting their investments.

Portability becomes the norm, not the exception

AI models, applications, and workflows built on MCP can move across platforms with minimal adaptation. This flexibility empowers IT leaders to make strategic shifts without starting over.

These benefits position MCP as a strategic enabler for scaling AI across the enterprise.

Common Misconceptions About MCP

As we examined* adoption across organizations, we noticed several recurring misconceptions that can slow or stall MCP initiatives. Drawing from our research, we believe it is essential to address these early in the decision process:

01

Adopting MCP means losing control over integrations

In practice, MCP empowers organizations to maintain oversight and governance, thanks to its transparent, standardized framework. Enterprises retain flexibility to tailor connections while benefiting from a unified approach.

02

Interoperability risks increase with a shared protocol

Our analysis shows that MCP actually reduces integration risks. By replacing custom connectors with a single, well-documented standard, organizations gain consistency and lower the chance of hidden incompatibilities.

03

MCP creates new vendor lock-in

MCP is an open, model-agnostic protocol. This reduces dependency on individual platforms or tools and supports seamless migration as technology needs evolve.

Clarifying these points helps organizations make informed, confident decisions as they evaluate MCP for enterprise-scale integration.

What Early Adopters and the Broader Ecosystem Are Signaling?

As we continued our research*, we observed strong momentum behind MCP from both industry leaders and the broader technology ecosystem. Early enterprise pilots demonstrate that MCP's standardized approach addresses integration challenges across diverse environments.

We noted that several organizations are piloting MCP to unify AI deployments across business units and to simplify tool orchestration. This momentum is further supported by growing discussions in industry forums and technology working groups, with participants recognizing MCP as a viable path toward future-ready AI integration.

Crucially, we found that support is not limited to a single vendor or sector. A broad cross-section of technology partners, platform providers, and community contributors is working to accelerate the maturity of MCP as an open standard.

These developments signal that MCP is moving beyond early experimentation and establishing itself as a foundational component for scalable, interoperable enterprise AI.

What You Should Think About Before Adopting MCP in Your Organization?

Our analysis* shows that successfully adopting the model context protocol requires more than just technical readiness. We recommend that organizations carefully consider the following factors as they evaluate MCP for enterprise use:

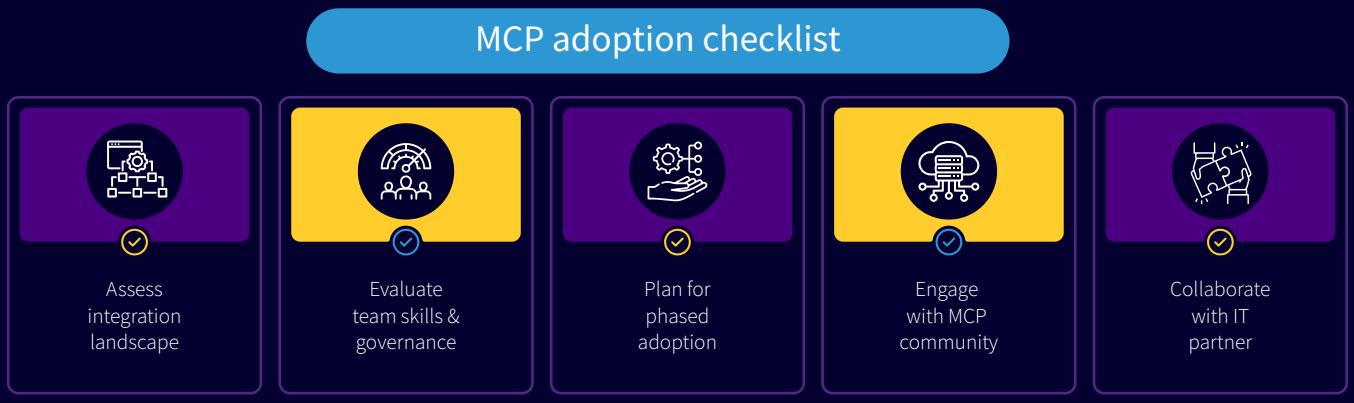


Figure 3: Checklist for successful MCP adoption

Assess your current integration landscape	Identify where existing integrations create bottlenecks, technical debt, or operational risk, such as duplicated APIs, manual data transfers, or fragile point-to-point connections. Understanding these gaps helps prioritize where MCP can add the most value, like streamlining reporting pipelines or enabling smoother tool upgrades.
Evaluate team skills and governance structures	Adoption is accelerated when teams are familiar with standardized protocols, such as REST APIs, OAuth, or JSON-RPC, and when clear governance is in place to guide integration strategy, security, and compliance.
Plan for a phased, manageable transition	Rather than replacing all existing connectors at once, organizations achieve better outcomes by piloting MCP in targeted use cases, such as automating internal workflows, integrating chatbots, or connecting cloud-based analytics tools. This staged approach allows teams to validate benefits and refine best practices before scaling across the enterprise.

Engage with the broader MCP community	Connecting to industry forums and open-source contributors provides access to emerging best practices, implementation patterns, and support networks; without this engagement, organizations may miss critical updates, fall behind on standards, or encounter avoidable implementation challenges.
Collaborate with the right IT partner	Engaging with an experienced IT partner can streamline MCP adoption, provide valuable implementation expertise, and ensure alignment with your enterprise's integration strategy. The right partner brings industry best practices, accelerates project timelines, and helps navigate potential challenges.

Careful planning at each stage ensures that enterprises realize the full strategic value of MCP while minimizing disruption and maximizing long-term agility.

The Journey with MCP Is Only Beginning

Our analysis* confirms that MCP is redefining how enterprises approach AI integration, governance, and scalability. Yet, the protocol's true potential will be realized as organizations address advanced topics such as agentic AI enablement, security considerations, and operational best practices.

We will continue to publish our insights on these critical areas in the coming weeks. For a comprehensive examination of our findings and in-depth technical analysis, we invite you to download our complete research whitepaper here:

References

[1]*90% of IT leaders say it's tough to integrate AI with other systems,* Vala Afshar, ZDNET, January 26, 2024: https://www.zdnet.com/article/90-of-it-leaders-are-facing-difficulties-integrating-ai-with-other-systems-due-to-data-silos/

[2]*Gartner Predicts More Than 30% of the Increase in Demand for APIs will Come From AI and Tools Using Large Language Models by 2026,* Gartner, March 20, 2024: https://www.gartner.com/en/newsroom/press-releases/2024-03-20-gartner-predicts-more-than-30-percent-of-the-increase-in-demand-for-apis-will-come-from-ai-and-tools-using-llms-by-2026

[3]*Innovation Insight: Model Context Protocol,* Gartner, April 24, 2025: https://www.gartner.com/en/documents/6387843

Authors' profiles

Sudhir Kakumanu

Principal, AI Services -
Research Team (Agentic AI Tools & Protocols), LTIMindtree

Sudhir is an experienced Applied GenAI Researcher specializing in Agentic Tools and Frameworks. He has over 17 years of experience in AI development spanning Silicon Valley to SaaS. He has led initiatives in GenAI solutions and large-scale analytics, contributing to decision intelligence. His expertise includes working with prominent companies like Ericsson & Intel and for customers like Apple. He is currently developing agentic workflows and production-grade AI solutions at LTIMindtree.

Archana Joshi

Head Strategy and AI Services,
LTIMindtree

Archana Joshi has over 24 years of experience in the IT services industry, specializing in artificial intelligence, particularly generative AI, agile and DevOps methodologies, and green software practices. At LTIMindtree, she leads growth strategies and market positioning for the Enterprise AI service line and the Banking and Financial Services business unit. Archana has worked with Fortune 100 clients across various geographies and often speaks at major industry forums and events.

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