



catchpoint.

PART OF  **LogicMonitor**

The SRE Report 2026

Eighth edition

of researching all things reliability

Table of Contents

| | |
|----------------------------------------------------------------------------|----|
| Foreword | 3 |
| Introduction: Reliability Among Uncertainty | 4 |
| Insight I: Reliability Redefined: Speed is the New Trust | 5 |
| Perspective: The Business of Being Fast | 14 |
| Insight II: AI — From Toil to Transformation, Maybe | 15 |
| Perspective: The Economics of Effort | 23 |
| Insight III: Break What You Build: Get the Resilience You Give | 24 |
| Perspective: Better to Break on Purpose | 30 |
| Insight IV: Rewiring Reliability: AI as the Foundation of the Modern Stack | 31 |
| Perspective: The Intelligence of Integration | 38 |
| Insight V: The Growth Imperative: Learning is Reliability's Last Frontier | 39 |
| Perspective: The Infrastructure of Growth | 46 |
| In Closing: Eight Years of the Reliability Arc | 47 |

Foreword

Our growing understanding of metastable failures is a great example of how continuous learning is critical to success in our profession.



The rise of new requirements, driven by generative and agentic AI, is another example. New applications, new customers, and new theoretical models will continue to expand our practice and allow us to build better systems for our customers. Great SRE teams are always learning, always curious, and always open to new tools and practices. The data in this year's SRE report is a great place to start understanding the trends that will shape our profession for years to come.

Traditional approaches to measuring availability are concerned with error and success rates. Where they take performance into account, a threshold-based approach is most common, looking at successes within some timeout. Latency and throughput are measured and tracked, but seldom seen as availability indicators. As consumers of systems, we know intuitively that this approach is inadequate. Slowness is frustrating. As business owners we know slow performance costs us sales, conversions, and sends our customers elsewhere. Slow is as bad as down.

Over the last decade, as we have learned more about the causes of downtime, performance has become even more deeply linked to resilience. We have found that systems which slow down under load exhibit metastable states, behaviors in which systems stay down despite the original cause of failure being removed. These metastable failures, and related conditions like congestive collapse, are responsible for the longest, hardest to fix, outages. Performance, and how performance changes under load, are deeply linked to reliability and availability.

The mathematical theory and academic models of metastable failures are still an active area of research, but there are already practical steps practitioners can take. Testing the behavior of systems under excessive load and during simulated failures is highly effective at finding these behaviors. The combination of load and failure testing is especially powerful. Once we identify unwanted overload behaviors, we can identify the feedback loops that drive these behaviors (such as excessive retries, or lock contention), and fix them before they become an issue in production.

Marc Brooker

VP & Distinguished Engineer
Amazon Web Services

Introduction

Reliability among uncertainty.

Systems fail in ways we do not expect. Yet we still predict. Practices evolve faster than documentation. Yet we still write. We think about what's next. Yet we respond to right now.



And while so much other research most certainly arrives with word-stuffed pages, as if more words mean more learning, we chose the uncertain opposite. That is, the strength of this report comes from its quiet simplicity, its restraint, and its lack of distraction. Each insight was written not to impress, but to simply present.

After eight years of tracing reliability's arc, the view feels complete enough to pause and look

back before seeing how far the boundaries have widened. Reliability is no longer only about sustaining uptime (was it ever?). It has moved from reliability to resilience, from uptime to experience, from toil to intelligence, from tools to strategy, and from systems to people.

There are still no certainties, but there is progress. And that remains enough reason to keep building.

Mehdi Daoudi

GM, Catchpoint at LogicMonitor



catchpoint.

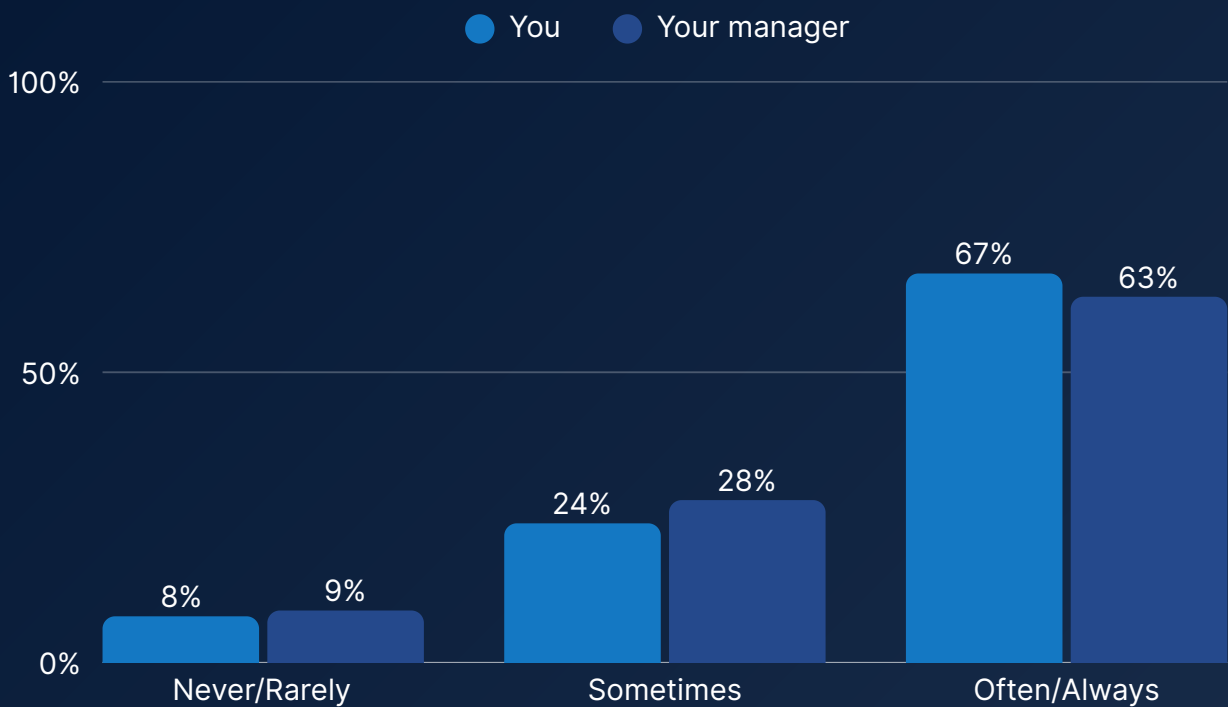
PART OF  LogicMonitor

Insight I: Reliability Redefined: Speed is the New Trust

When reliability is experienced *as fast* by users, reliability becomes reputation.

Redefining Reliability Together

Do you and your manager believe application performance degradations to be as serious as downtime?

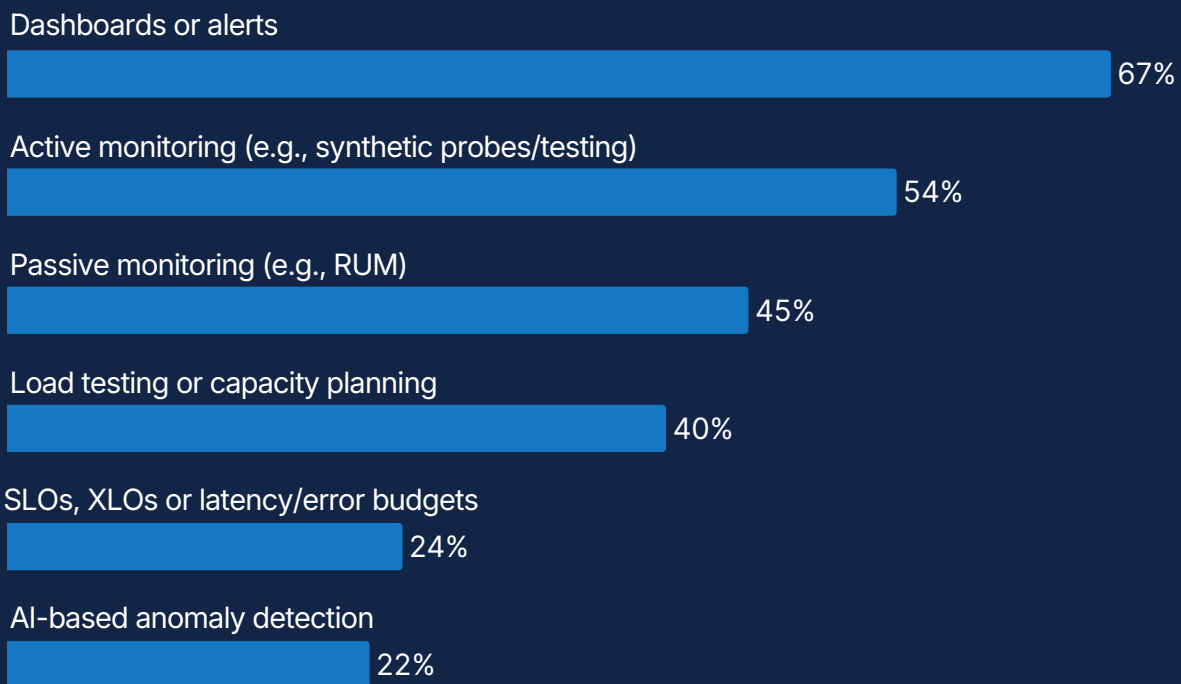


- The majority of respondents felt that slow is the new down, reinforcing last year's report findings
- They also felt management agrees with their view regardless of whether uptime is distinguished from performance

When a digital experience slows, users don't care if it's an outage or a delay. The result feels the same. The data shows reliability increasingly framed in terms of performance, not just uptime. Yet approximately a third of respondents still separate performance from uptime, meaning they never, rarely, or sometimes treat slow as being down.

Expanding the Reliability Toolkit

Which of the following practices does your team actively use to detect or mitigate performance degradations?



- Most teams rely on dashboards (67%) and synthetic tests (54%) to actively detect performance degradations
- Teams favor familiar monitoring tools, showing continued trust in proven methods over newer options

Teams trust their venerable tools, which may reflect familiarity, tooling maturity, or risk aversion. SLOs and AI, while still emerging, are present enough to suggest interest. The question may be less "if" and more "when" they become standard, which may mean different things to different organizations.

The Business Connection

When your organization improves application performance, do you also evaluate whether business metrics like NPS or revenue are affected?

Yes – improvements are directly evaluated against metrics



Sometimes – we occasionally assess whether metrics change



Rarely – impact is not a primary driver for performance work



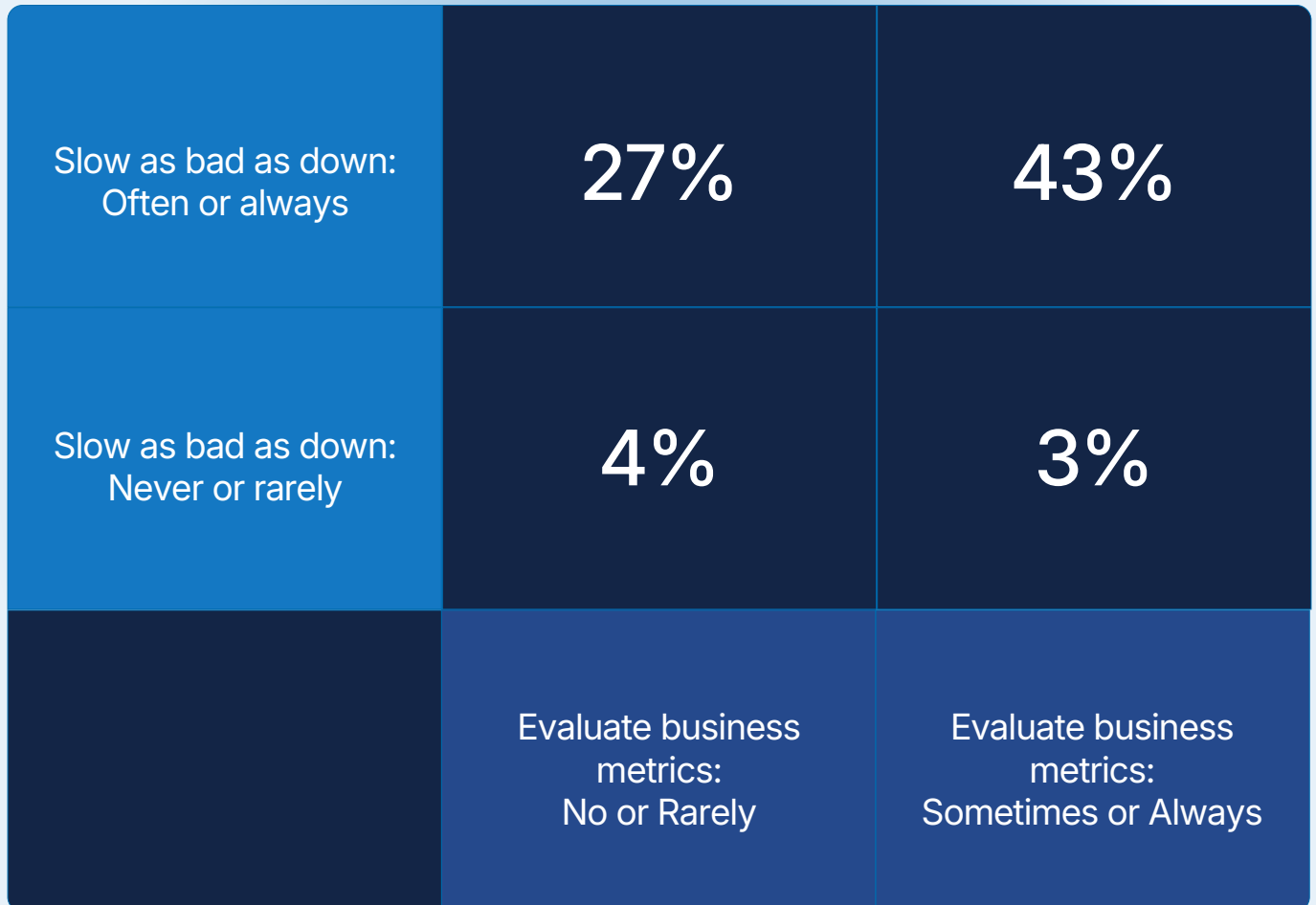
No – we don't evaluate



- Only 26% of teams measure whether better app performance affects business KPIs like NPS or revenue
- Reliability's business impact stays undermeasured, indicating large opportunity to tie to business KPIs

Most teams stop at technical metrics, leaving reliability's business impact unmeasured. In our opinion, this is a missed opportunity: organizations that do track the connection between performance and revenue will be better positioned to justify investment and demonstrate strategic value beyond engineering.

Mindset Meets Measurement



X axis: When your organization improves application performance, do you also evaluate whether business metrics like NPS or revenue are affected?

Y axis: Do you believe application performance degradations to be as serious as downtime*
*Sometimes 10% and 13% excluded from visual

- The majority of respondents treat *slow as the new down* regardless of whether they evaluate business metrics
- Of those who treat *slow as the new down*, 43% evaluate business metrics (27% do not)

When performance becomes a part of reliability, then it becomes an important business concern. Cultural mindset drives what gets measured and improved. Teams connecting belief and behavior show accountability and value in every fix.

Counting the Cost

Is the cost of downtime or severe performance degradation modeled financially at your organization?

Yes –model/use to inform decision-making and prioritization



Yes – basic models/formulas, but not tied to business decisions



Rough estimates exist, but they are not formalized



No – there is no financial modeling of downtime



- Fewer than 1 in 4 organizations model to inform business decisions and priorities
- Approximately half use rough estimates or do no financial modeling of any kind

Without knowing the true cost of failure, reliability will remain a conversation in the server room but not in the boardroom. Teams that quantify cost can prioritize more effectively and defend investment. When reliability is expressed in financial terms, it becomes [more] measurable, comparable, and protectable.

From Metrics to Meaning

Is reliability measured and tracked as a business-level indicator in your organization?

Yes – formal business KPI(s) tied to outcomes/objectives



Yes – across teams but not formally at business level



Yes – but only within eng/ops teams



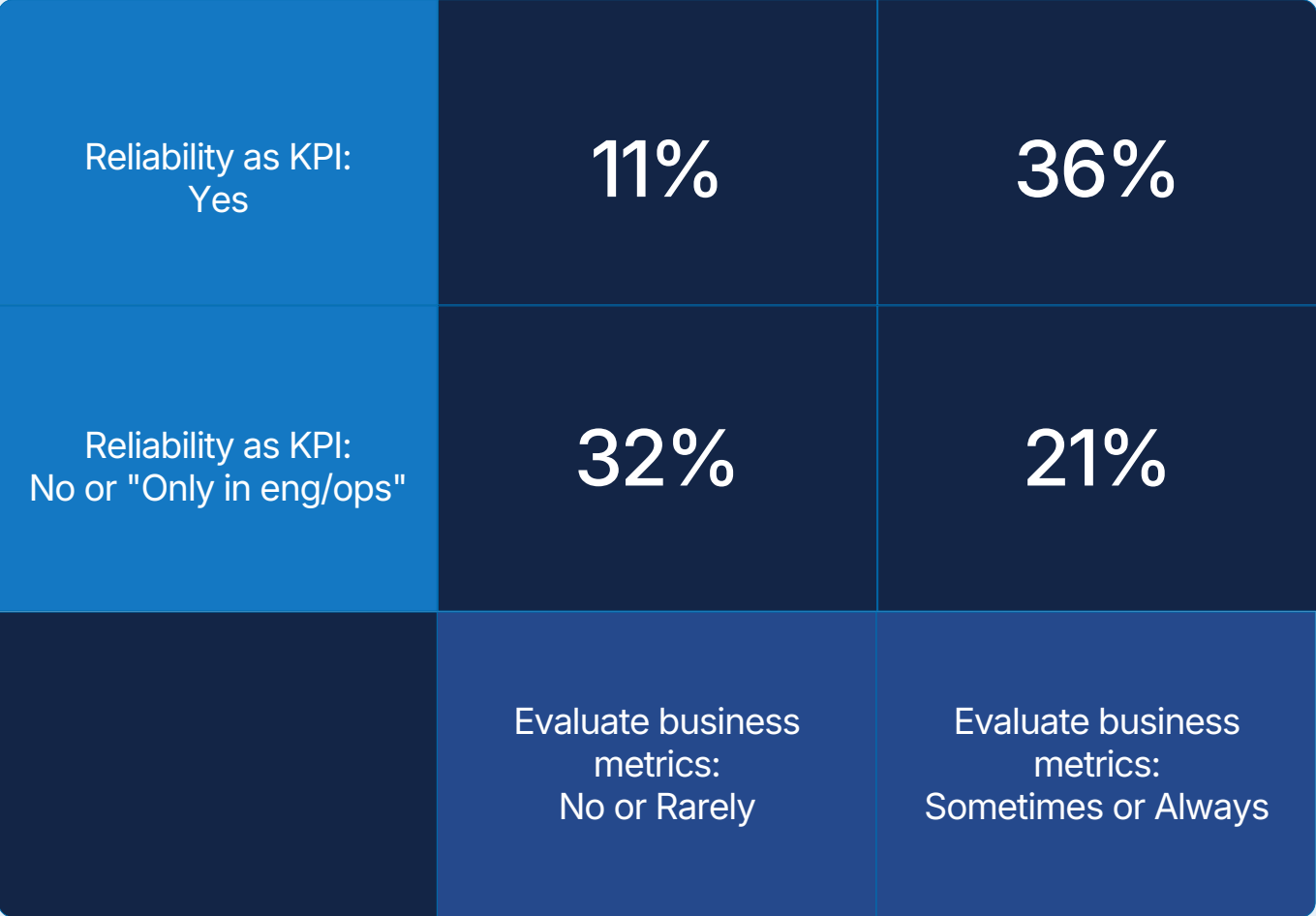
No – not at all



- The majority measure reliability within engineering teams, not yet as a true business metric
- There is substantial opportunity to elevate reliability from a system of metrics to a language of business

When reliability data stays siloed, it loses influence and visibility. Treating reliability as a shared measure of business health connects uptime and performance to customer trust and revenue. Once reliability appears in business planning cycles, it gains a better chance of being universally understood.

Reliability as a Business Language



X axis: When your organization improves application performance, do you also evaluate whether business metrics (e.g., NPS or revenue) are affected?

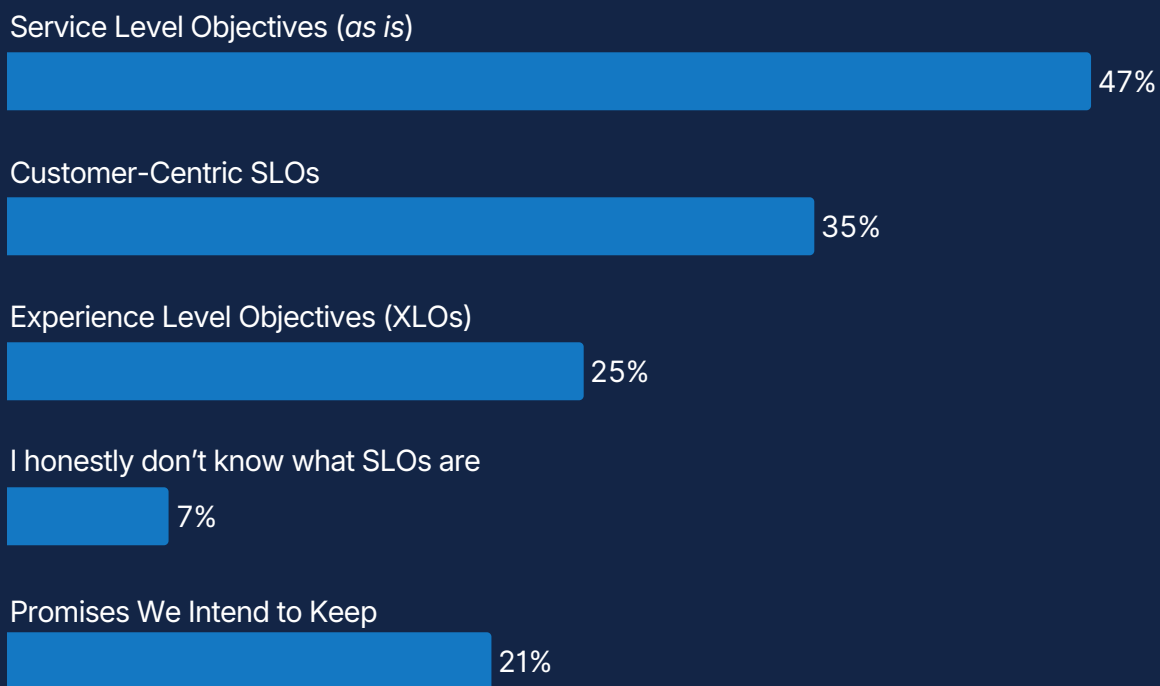
Y axis: Is reliability measured and tracked as a business-level indicator in your organization?

- Only 36% treat reliability as a business KPI and evaluate whether performance improvements impact the business
- The other largest quadrant are those who do neither (32%)

The difference shows what happens when reliability becomes a shared metric. When it's tracked as a business indicator, alignment improves across teams. However, many still act in silos. Once business leaders and engineers speak the same language, reliability becomes a source of growth rather than a cost center.

The Language of Reliability (Part I)

Which of the following labels for Service Level Objectives (SLOs) would be most immediately clear and relatable to a non-technical audience hearing it for the first time?



- Nearly half (47%) say "Service Level Objectives" works while some sincerely don't know what they mean
- Many prefer alternatives that speak more plainly and directly to users

SLO (or similar terms) may be standard terminology within SRE circles, but the technical terminology can leave non-technical audiences in the dark. If reliability is to become a shared business priority, the words used to describe it may matter as much as the metrics themselves.

Perspective:

The Business of Being Fast

Reliability has moved from the server room to the boardroom. Around two-thirds of SREs feel alignment with management that performance degradations are as serious as downtime.

This is a clear sign that reliability is no longer defined by uptime but by experience. Users experience both responsiveness and immediacy; perceived speed often defines their judgment. Speed is now one of reliability's clearest trust signals, and should be a cornerstone of any modern digital business strategy.

Still, awareness isn't alignment. Only a quarter of organizations consistently evaluate whether application performance improvements affect business metrics like NPS or revenue. Teams that link reliability to outcomes are turning it from an operational task into a competitive advantage in the business of being fast.

That advantage grows when it carries cost. Just one in four organizations formally models the financial impact of incidents, yet those that do give reliability a voice in strategy. Quantifying delay reframes performance as protection of both trust and profit.

Communicating these concepts is still a work in progress. Nearly half would convey "Service Level Objectives," as is, but many chose "Customer-Centric SLOs" or "Experience Level Objectives." A few even joked with "Promises We Intend to Keep," a humorous reminder that reliability is ultimately a promise built on speed, clarity, and credibility.

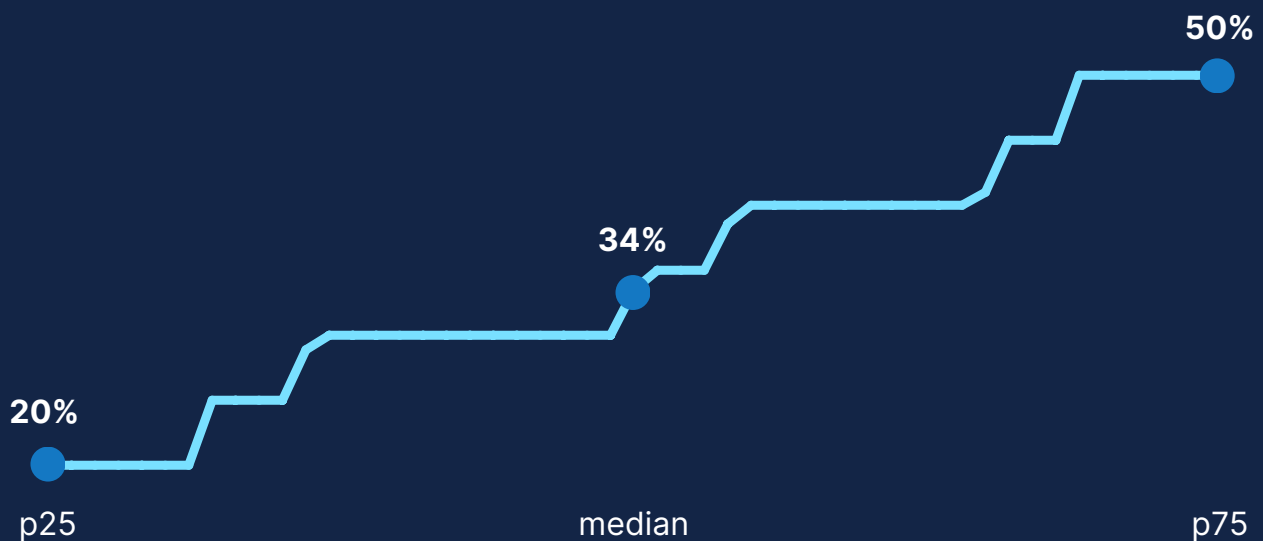


Insight II: AI: From Toil to Transformation, Maybe

AI promises relief from repetitive work, but its real impact on toil is mixed and evolving.

Measuring the Mundane

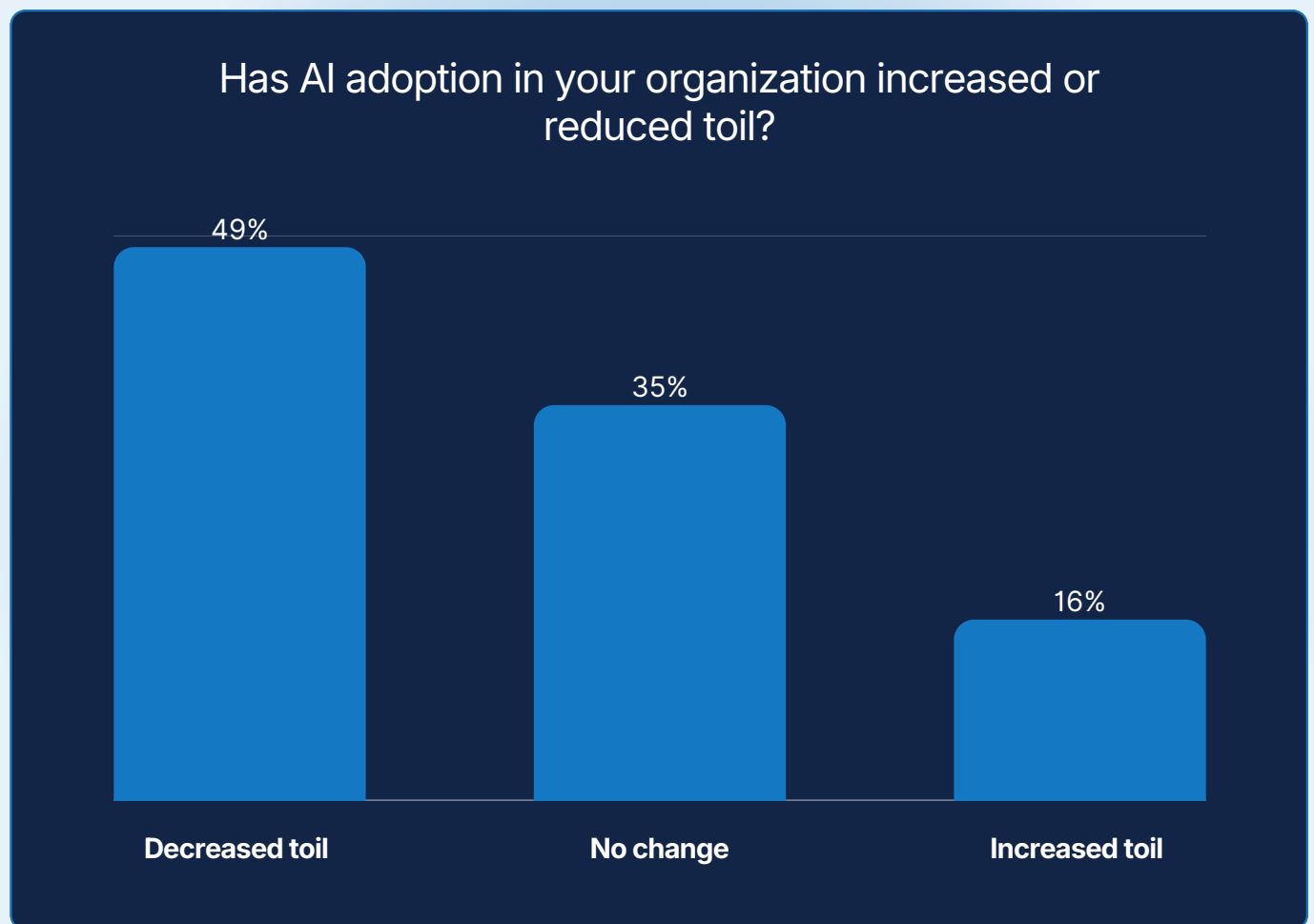
Around what percent of your work, on average, is toil?



- Median toil is 34%, meaning half of engineers spend over a third of their time on *toilsome* work
- Toil remains a substantial tax on productivity, with the values increasing from last year's SRE Report

You can't improve what you can't see. Measuring toil, no matter how roughly, gives teams a place to start. The numbers might be crude or incomplete, but they offer a necessary baseline for deciding where time, energy, and automation should be applied next.

The AI Effect on Toil



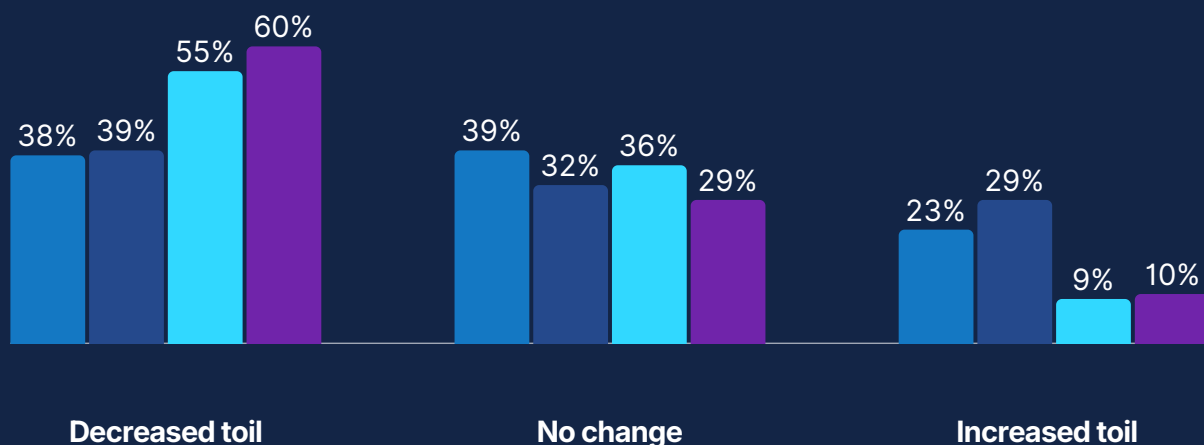
- Nearly half say AI has reduced toil, though a third see no change and some report new burdens
- Adoption benefits appear uneven; people who indicated no adoption in the survey did not see this research question

AI does not remove toil automatically; it redistributes it. The outcome depends on where and how it is applied. Automation can lighten routine load, but maintaining, validating, and explaining AI decisions adds its own layer of effort, reminding teams that efficiency is rarely a zero-sum outcome.

The *Management* Divide

Has AI adoption in your organization increased or reduced toil?

● IC ● TL ● Mngr ● Drctr



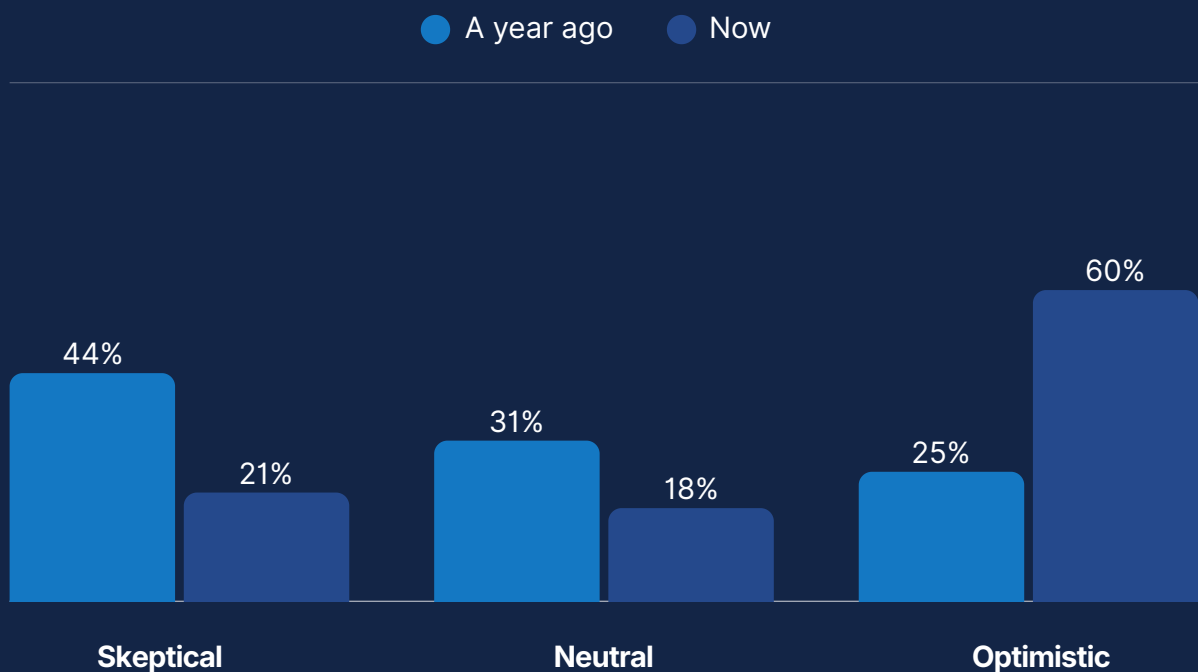
- Directors (60%) are far likelier than ICs (38%) to say AI reduced toil
- Perceptions diverge by rank, and closing this perception gap may define AI's credibility

For some *practitioners*, AI can feel like added complexity, introducing new tools and expectations. For *management*, it registers as progress. Both perspectives hold truth, just at different resolutions. Until AI reduces friction at the keyboard, its impact will remain more visible in reports than in routines.

Editor's note: IC refers to individual contributor. TL refers to team lead (or simply lead), Mngr refers to manager, and Drctr refers to director. Through the report Practitioners refers to IC and TL as a group. Management refers to managers and directors as a group.

Shifting AI Sentiment – Maybe

How would you describe your views on implementing or investing in AI technologies—a year ago versus now?



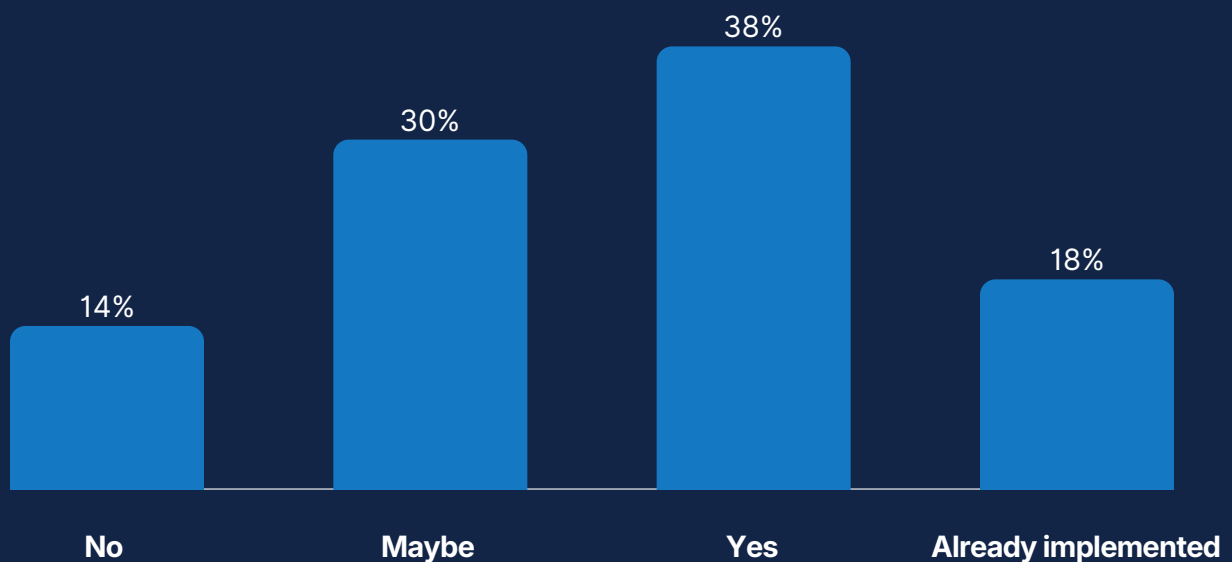
- AI optimism has more than doubled (25% - 60%), while skepticism fell by around half (44% - 21%)
- Optimistic views now outnumber skeptical ones almost 3 to 1, marking a cultural shift from hesitation to momentum

As a directional trend, sentiment around AI has turned a corner, moving from skepticism to

optimism. But “AI technologies” is an umbrella term. Its value and relevance depend on how it’s applied. The key is focus: define the problem with precision, then identify the AI capabilities that directly serve that purpose. And that purpose must, or at least should, come from an IT-to-business aligned conversation. Without that alignment, AI becomes just another shiny object.

From Curiosity to Commitment

Does your organization plan to implement Agentic AI or LLM-based agents in the next 12 months?



- Over half of organizations are planning or have already deployed AI agents in production
- A minority (14%) have no current plans to implement AI agents at all (in the next 12 months)

Intent is rapidly becoming action. Experimentation with LLMs is evolving into broad adoption, as teams move beyond curiosity to real commitment. The next challenge is proving that AI agents can reliably deliver sustained business value, not just technical novelty.

Conviction and Confidence



X axis: Does your organization plan to implement Agentic AI or LLM-based agents in the next 12 months?

Y axis: How would you describe your current views on implementing or investing in AI technologies?*

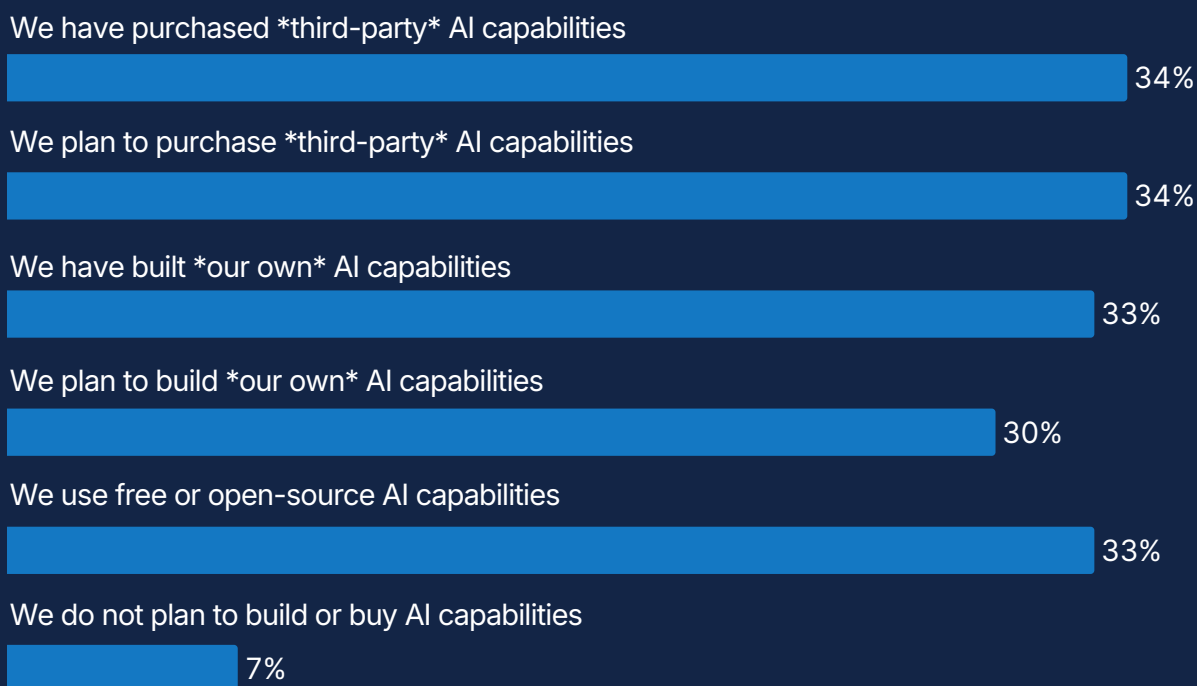
*Neutral views 7%, 10% not displayed

- Regardless of plans to implement AI agents, the majority view AI with optimism
- Of the 62% indicating optimistic views on AI, the majority plan to, or have already, implemented AI agents

Optimistic views on AI align closely with plans or actions around agentic systems, forming the largest segment of the quadrant (top right). The cause for this relationship isn't determinable from the data; it's a bit like the chicken or the egg. Still, it's easy to imagine the two feeding each other: belief creates action, and action builds belief. Momentum, once started, tends to sustain itself.

AI-Enabled Reliability

Which of the following describe how your organization is approaching AI adoption for reliability use cases?



- Organizations are evenly split between buying or building first -or third-party AI capabilities
- No single approach has yet to dominate, making us cautious to believe anyone saying "*Here are best practices...*"

There's no single path to AI adoption for reliability use cases. Teams seem to be trying different approaches depending on their context. We believe this variety is driven by AI's relative novelty, which is why it's important to be cautious about any claims of "best practices" for adopting AI in reliability contexts.

Perspective:

The Economics of Effort

Reliability has always depended on human endurance to patch, watch, and repeat. But endurance doesn't scale, and the SRE profession knows it.

For years, toil has been reliability's tax: the repetitive work that keeps systems alive but slows innovation to a crawl. Now, AI is changing the economics of effort. For the first time, automation isn't just scripting tasks. It's interpreting, correlating, and deciding.

The data shows cautious optimism taking root. Most SREs report modest reductions in toil. Leaders report even greater gains, highlighting a difference in perspective. Those closest to the code still feel the friction of implementation, while management see the efficiency at scale. The trend indicated by the data suggests that AI is starting to reduce some repetitive work in the reliability stack, though experiences vary. What started as tool-assisted triage is evolving into decision-assisted engineering.

Attitudes toward AI have matured in parallel. Last year's skepticism is giving way to structured experimentation. Nearly four in ten organizations plan to deploy LLM-driven or agentic systems within the year, led overwhelmingly by those who already believe in the technology's promise. Optimism, it turns out, is a performance multiplier.

AI isn't replacing reliability engineers; it is augmenting their ability to act so they can focus higher-value work. The emerging reliability practice is hybrid, combining human judgment with automated systems that learn over time.



catchpoint.

PART OF  LogicMonitor

Insight III: Break What You Build; Get the Resilience You Give

Resilience doesn't emerge from stability. It is earned through the courage to test, fail, and learn on purpose.

Priorities for the Year Ahead

Which of the following should your organization prioritize most over the next 12 months?

Aligning reliability with business KPIs or customer experience



Centralizing monitoring or governance



Reducing observability/tooling costs



Defining or adopting Experience Level Objectives (XLOs)



Expanding chaos experiments to the organizational level

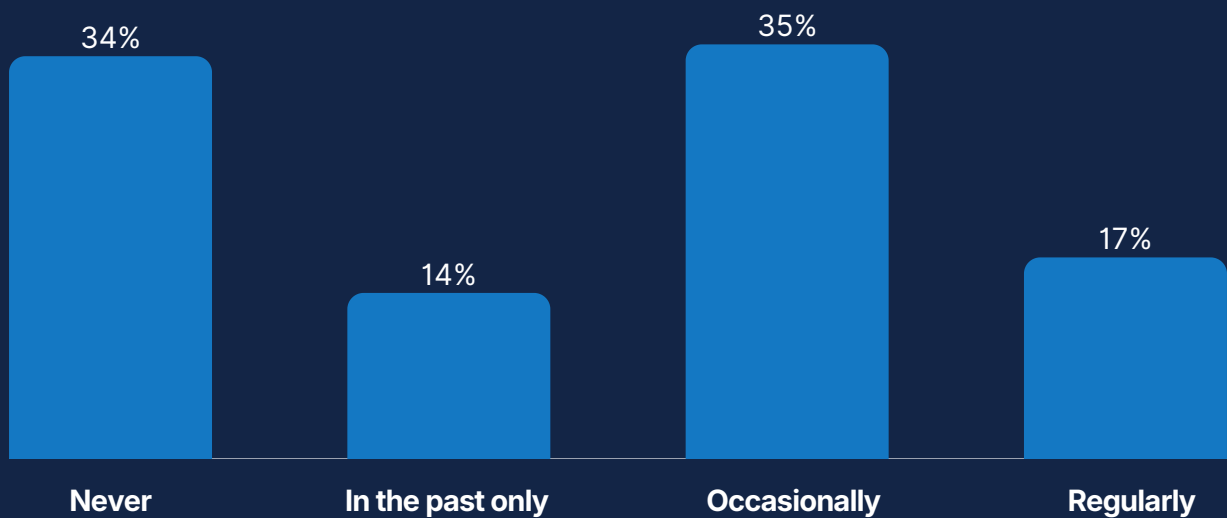


- Aligning reliability with business KPIs tops priorities (47%), narrowly ahead of centralizing monitoring or governance
- The emphasis on cost reduction underscores a growing focus on efficiency, a theme explored further in the next insight

This year's research indicates a desire to move from an operational goal to a business strategy. Trust is no longer earned through uptime alone but through alignment with measurable outcomes. The year ahead will test how reliability connects outcomes for customers and measurable value for business.

Chaos in Practice

How often does your organization run chaos or resilience engineering experiments *in production*?

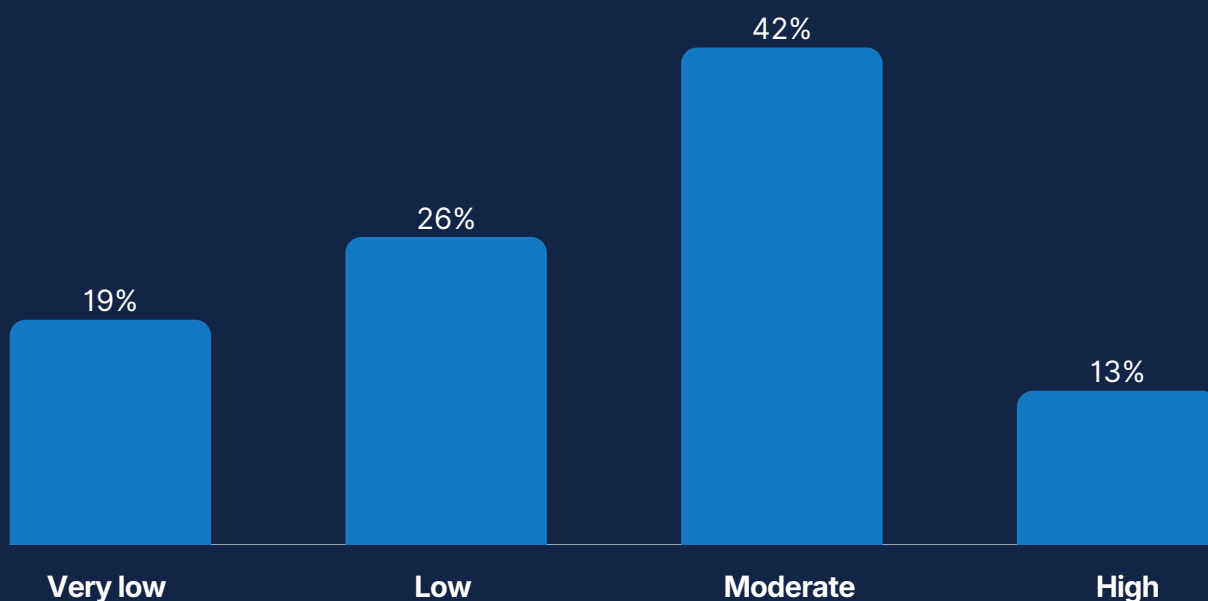


- Just 17% run chaos experiments regularly; a third have never tested failure in production
- Chaos engineering adoption in production remains uneven, showing many still treat resilience reactively, not pro-actively

Teams may believe that resilience must be practiced, yet many hesitate to test failure where it matters most. Controlled experiments turn uncertainty into insight by exposing weak points before the world does. Every organization claims to value resilience, but only those that practice it deliberately, in controlled conditions, actually build it.

Tolerance for Turbulence

How would you describe your organization's tolerance for planned failure injection (e.g., chaos experiments) *in production*?



- More than half of organizations report moderate or high tolerance for planned failure injection
- However, if moderate tolerance is considered a non-answer, then *low* tolerances substantially outweigh *high* tolerances

Teams still treat failure as something to prevent rather than explore. Avoiding turbulence can feel safe, but it slows learning. Reliability grows stronger when exposed, not when insulated. Teams that break what they build prepare for the rigors of the untamed internet, and controlled experimentation is how they do it.

The Confidence Correlation

| | | |
|-------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|
| Frequency of chaos: Occasionally or Regularly | 14% | 38% |
| Frequency of chaos: Never or "In the past only" | 32% | 16% |
| | Org's tolerance for chaos: "Very Low" or Low | Org's tolerance for chaos: Moderate or High |

X axis: How would you describe your organization's tolerance for planned failure injection (e.g., chaos experiments) **in production?**

Y axis: How often does your organization run chaos or resilience engineering experiments **in production?**

- Only 38% both perform chaos experiments and have organizational tolerance for them
- The next largest quadrant is those who neither perform, nor have organizational tolerance

Two groups stand out: those that practice chaos engineering and have support for it, and those that do neither. This suggests to us two reinforcing loops, one virtuous, one limiting. In the first, confidence fuels practice and practice builds confidence. In the second, hesitation reinforces itself, leaving teams untested and uncertain. Reliability grows in one loop and erodes in the other.

The Language of Reliability (Part II)

Which of the following labels for Chaos Engineering would be most immediately clear and relatable to a non-technical audience hearing it for the first time?

Chaos Engineering (*as is*)



Resilience Engineering



Resilience Testing



I honestly don't know what 'Chaos Engineering' means



Just call it 'Disaster Magic' and move on



- “Resilience Engineering” (41%) and “Resilience Testing” (40%) outscore “Chaos Engineering” (29%)
- Consider this: The indication to use something other than the *as is* label for chaos is substantially higher than for SLOs

Reliability concepts that are approachable and repeatable may [hopefully] help increase

adoption and business investment. But language matters as much as practice. When reliability is framed through words that invite understanding rather than mystique, it becomes easier for organizations to rally behind it. Replacing “chaos” with “resilience” may be one example. Words set tone, and tone determines whether reliability work is seen as threatening versus beneficial.

Perspective:

Better to Break on Purpose

Reliability isn't just about keeping the lights on. It's about proving they'll stay on when the storm hits. Yet most organizations still hesitate to test that truth in production.

While interest in resilience engineering is growing, only a minority are bold enough to inject failure where it truly matters: the live environment. Nearly half of respondents report a low tolerance for planned failure, constrained by e.g., risk aversion, legacy systems, and other factors. Too many teams rehearse it reactively instead of proactively.

Among those who do (rehearse it proactively), a culture grounded in confidence, not caution, emerges. These teams see chaos experiments not as recklessness, but as rehearsal. Their mindset is that it's better to break on purpose than to break by surprise. Controlled failure exposes weaknesses that uptime

dashboards can't. Each test builds foresight, trust, and adaptability before the next real incident arrives.

This reflects a growing reliability divide. Some teams measure stability retrospectively, while others engineer foresight through deliberate failure testing. The latter are discovering that deliberate disruption strengthens more than systems. It strengthens people. When failure is expected and intentionally explored, teams can respond faster, learn more effectively, and reduce fear around experimentation. The frontier of reliability belongs to those willing to test what they depend on. Courage, after all, is the ultimate resilience.

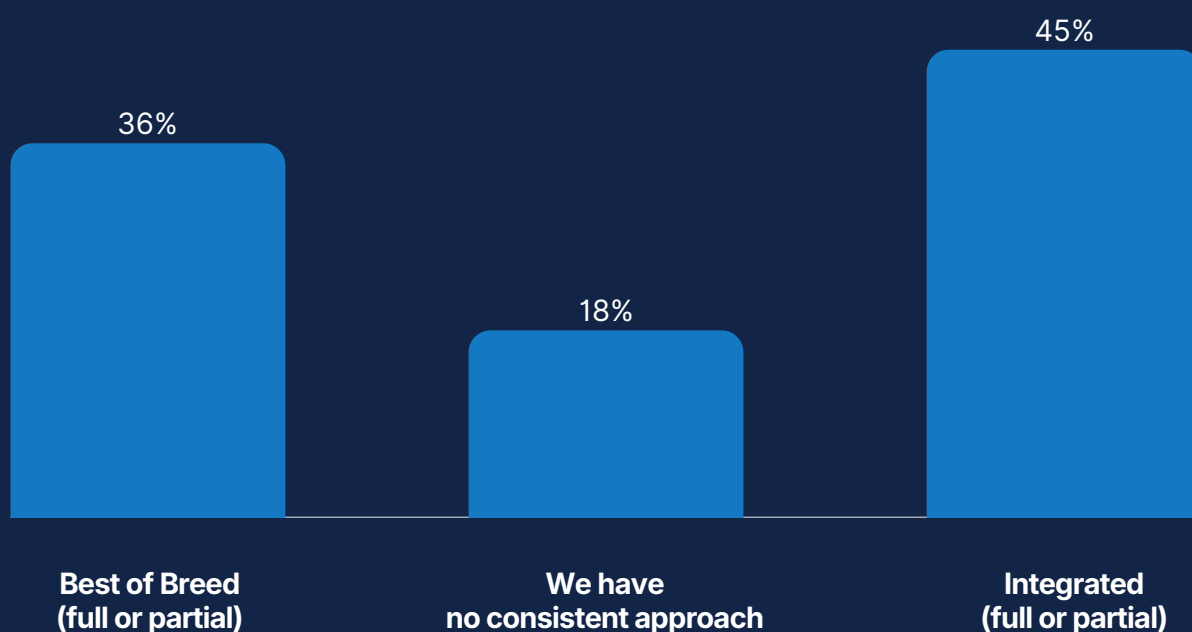


Insight IV: Rewiring Reliability: AI as the Foundation of the Modern Stack

Reliability isn't a stack; it's a strategy. AI delivers the most value when core signals are unified, governed, and designed to work together.

The Architectural Philosophy

When building their reliability stack, does your team prefer best-of-breed tools or an integrated platform?

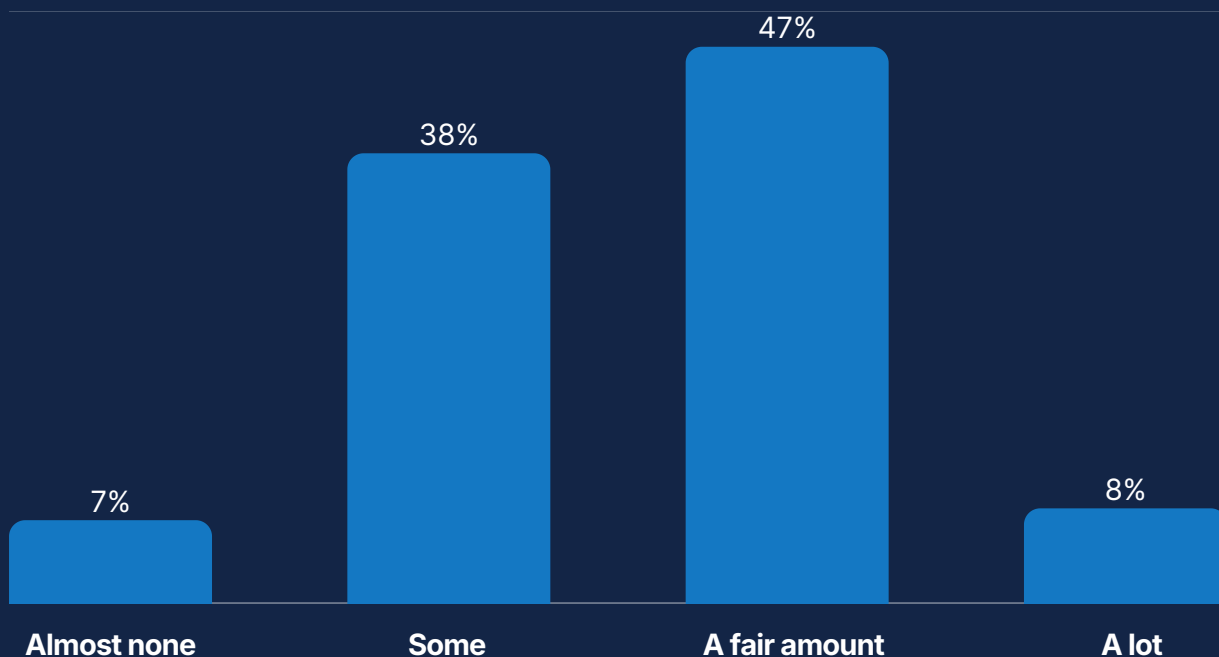


- Preference for best of breed versus integrated platforms differs by only ~9%
- Consider this: Architectural preference often reflects aspiration; execution choices tend to evolve as environments, teams, and operational complexity scale

Preferences for best-of-breed or integrated platforms are nearly balanced, with 18% reporting no fixed approach. Both approaches can work, but as environments and teams scale, many organizations bring more of their core reliability workflows into shared, well-integrated systems.

The Integration Effort

How much time does your team spend integrating or connecting tools?



- Despite the preference for integrated platforms, there is still substantial time invested in connecting tools
- Just over half - 55% - spend a fair amount or more time integrating tools

Integration effort is not just an operational detail. It is a signal. When teams spend

significant time wiring tools together, it often reflects fragmented data, inconsistent ownership, or unclear boundaries between systems. AI can reduce some of this burden, but its effectiveness depends on the quality and consistency of the underlying foundations. Starting with what matters most to the business helps teams decide where simplification and shared systems create the greatest leverage.

Strategy Meets Consequence

| | | |
|------------------------------------|----------------------------------------|----------------------------------------------------|
| Stack preference: Best of breed | 21% | 17% |
| Stack preference: Integrated | 15% | 30% |
| | Time spent connecting: None or Some | Time spent connecting: "Fair amount" or "A lot" |

X axis: How much time does your team spend integrating or connecting tools?

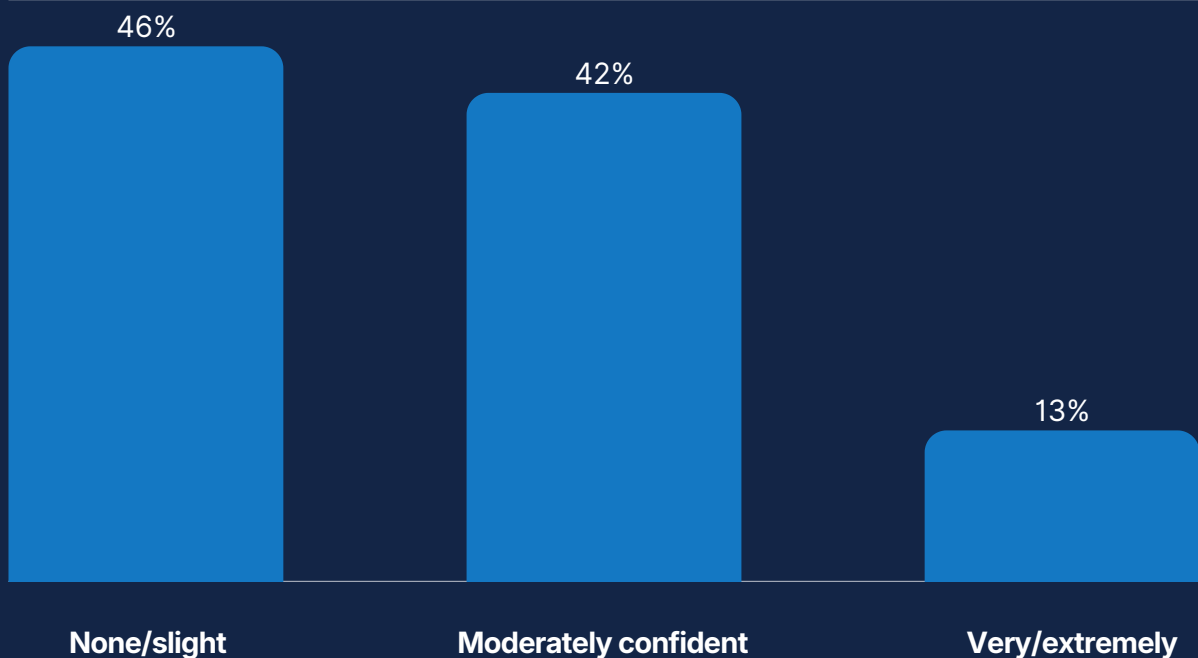
Y axis: When building their reliability stack, does your team prefer best-of-breed tools or an integrated platform?

- The largest quadrant is teams preferring integrated stacks, yet who still spend a lot of time connecting tools (30%)
- Preference alone does not guarantee simplicity, but if your team is spending a meaningful chunk of time just wiring tools together, consider it a sign for opportunities to simplify.

Reliability stacks are not static. They will evolve from ad hoc to orchestrated to consolidated, with specialized tools included when they add clear value. Technology choices create leverage only when they are reinforced by unified foundations that trace directly to business priorities.

Confidence in AI/ML Reliability

How confident are you in the ability to assess and monitor the reliability of the AI/ML components?

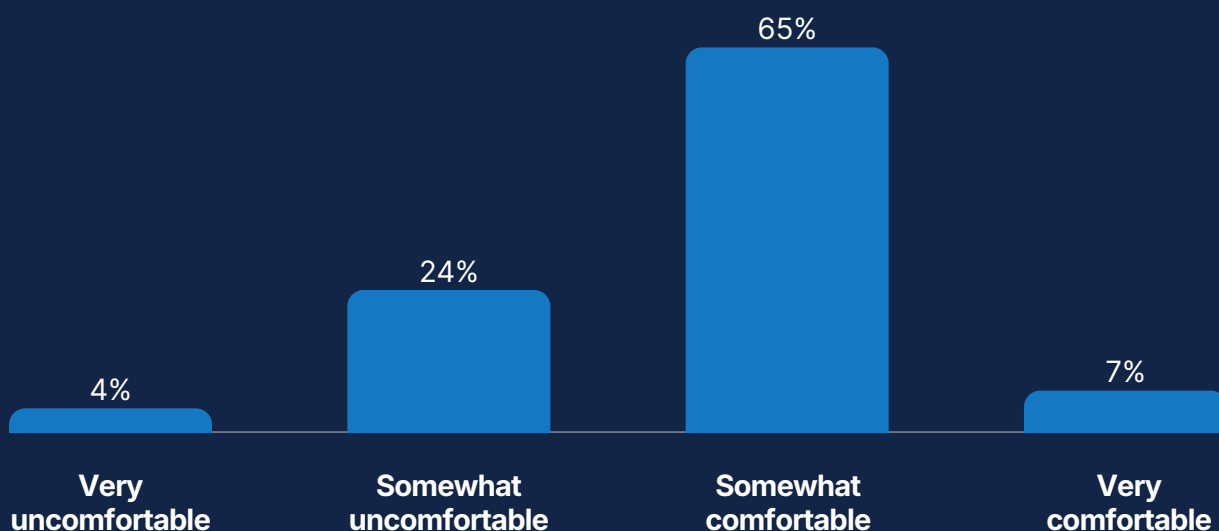


- Only 13% feel highly confident monitoring AI reliability while the majority have no/slight confidence
- If orgs follow through on their AI implementation plans, then AI visibility cannot, must not, remain opaque

The majority lack confidence in assessing AI/ML reliability, even as these technologies become critical. Building this confidence requires spanning more than just technology. It will require significant team learning in order to manage this new realm.

AI on the Front Line

What is your comfort level with AI-generated suggestions during incident response?



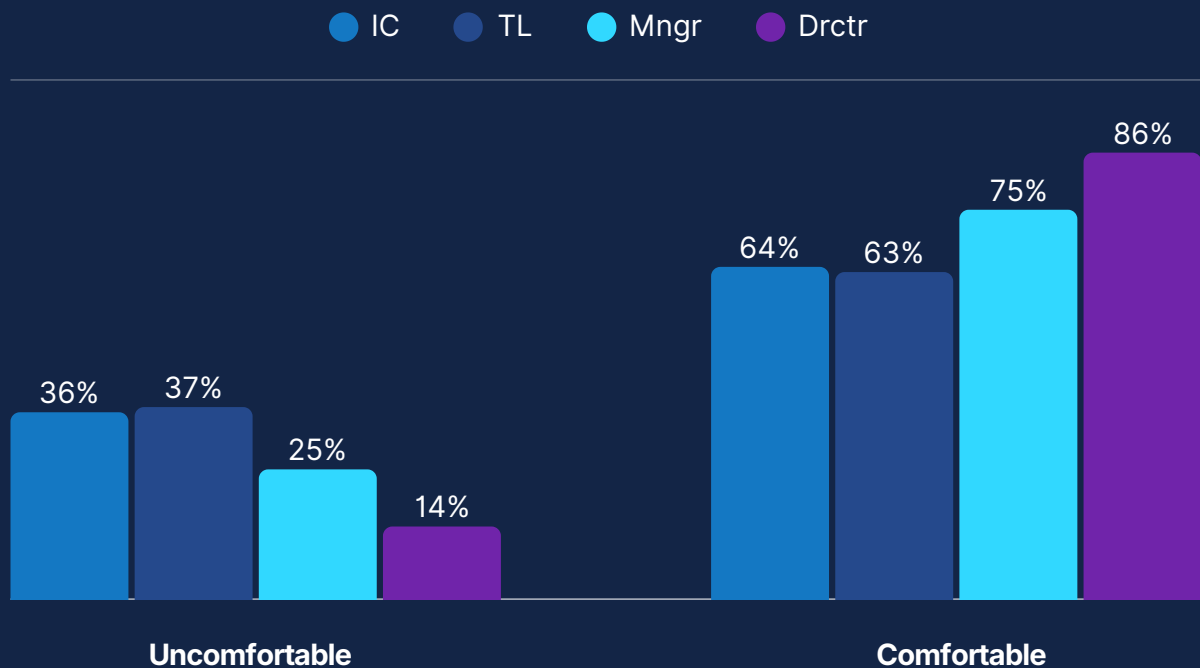
- Nearly three-quarters report at least some comfort with AI-generated suggestions during incident response
- Combined human and AI response will [probably] become much more common in incident response

AI can make meaningful contributions but needs carefully scoped requests. Most teams are open to its assistance but remain watchful.

They may be beginning to recognize that the response itself now has added layers. That is, not just reacting to an incident, but at times realizing AI may cause another incident within an incident. Over time, that watchfulness may mature into a new discipline of its own, effectively using AI's participation to augment the team while [avoiding abdication of thought](#) and responsibility.

Rank and Receptivity

What is your comfort level with AI-generated suggestions during incident response?



- Comfort with AI trends in opposite directions by rank, with *management* being more comfortable than *practitioners*
- Trust by *management* may show confidence that “our people will figure it out” while front line folks are less sanguine

The divide between *management* and *practitioners* may be reflective of their distance from day-to-day incidents. For some, comfort level with AI could stem from detachment. For others, comfort level with AI could stem from close proximity. However, so as not to stereotype or “box in” by rank, distance from incidents is just one possible reason for the opposing trends.

Perspective: The Intelligence of Integration

Reliability has outgrown its old boundaries. What was once a patchwork of tools now demands a more intentional system, designed for adaptability as complexity and expectations grow

Reliability is no longer defined by individual tools alone, but by how well systems work together. As environments scale, teams are learning that resilience comes less from endlessly stitching parts together and more from establishing shared foundations. Integrated platforms provide consistency and speed, while specialized tools still offer depth where it matters most.

Best-of-breed remains a valid strategy when applied deliberately. It reflects a belief that excellence is distributed and that innovation often comes from specialization. But without common data models, governance, and context, even the best tools can introduce friction. Mature teams increasingly focus on reducing fragmentation at the core so that reliability work compounds rather than competes.

AI now plays a critical role in this shift, not by hiding complexity, but by amplifying clarity.

When AI operates on consistent, high-quality signals, it can correlate events, enrich context, and automate decisions that once consumed engineering time. Where data is fragmented, AI spends more effort reconciling noise than producing insight.

This is the intelligence of integration: designing systems that make sense together. The modern reliability stack is not defined by fewer tools, but by more coherent ones. Progress comes not from eliminating complexity outright, but from organizing it around shared intent, visibility, and trust.

The organizations leading this shift don't see AI as a shortcut or a substitute for sound architecture. They see it as an amplifier of well-designed systems. The future of reliability depends less on managing more tools and more on building foundations that allow intelligence, automation, and human judgment to work in concert.



catchpoint.

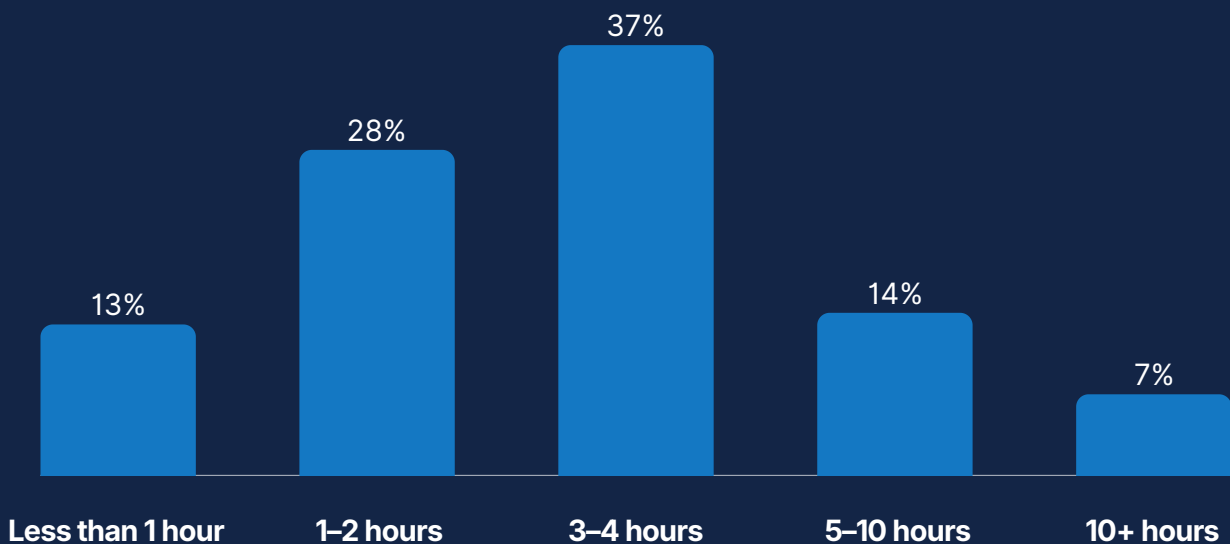
PART OF  LogicMonitor

Insight V: The Growth Imperative: Learning is Reliability's Last Frontier

Your systems are only as reliable as your people are allowed to grow.

Learning in Maintenance Mode

On average, how much time do you spend each month on technical upskilling or learning?

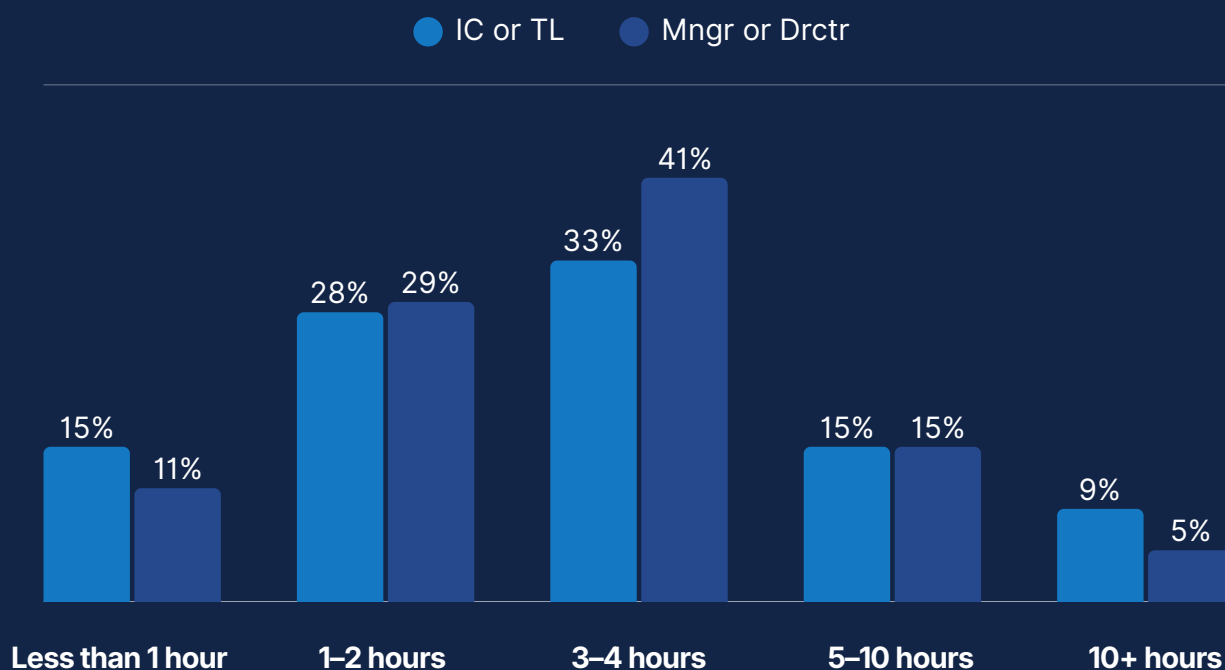


- The majority of engineers spend just 3-4 hours per month on learning or upskilling
- Unfortunately, the larger skew of learning time is toward the *two hours or less* side of the distribution

The data paints a picture of a workforce caught between intent and capacity. Curiosity exists; time does not. Reliability depends on people learning, as much as systems. The ability to learn continuously may now define resilience as clearly as uptime once did.

The Pace of Progress

On average, how much time do you spend each month on technical upskilling or learning?

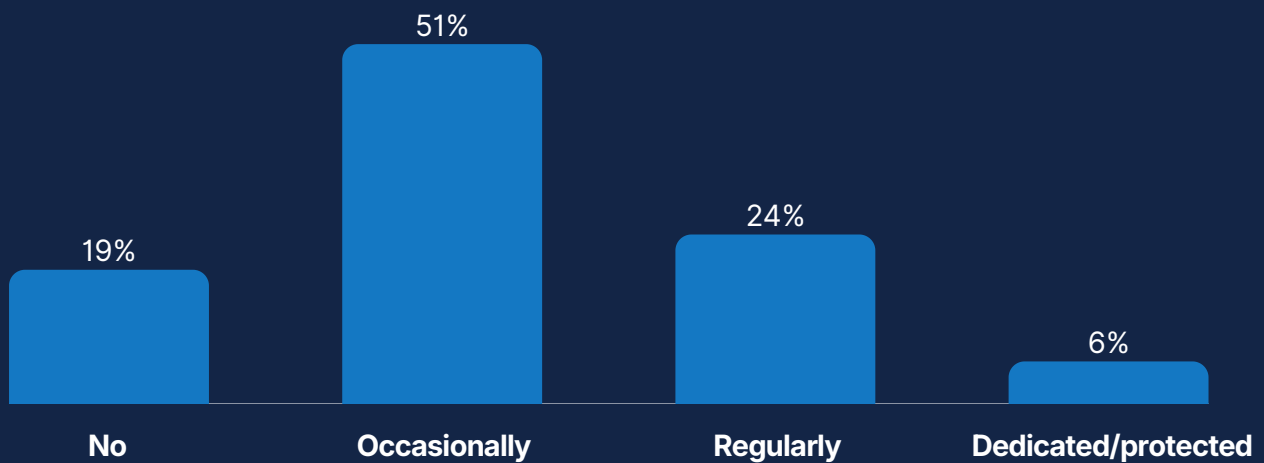


- Regardless of rank, the majority still cluster around 3-4 hours (33% for ICs and leads; 41% for managers and directors)
- Interestingly, *practitioners* are slightly higher on both tails of the distribution (less than 1 hour and 10+ hours)

The survey data suggests *management* 'buys' perspective and, apparently, learning time. Yet those who could use it most remain stretched thin. Until time to grow is treated as integral to reliability work, progression will depend more on circumstance than on culture.

The Permission Problem

Do you get dedicated time for learning *during work hours*?

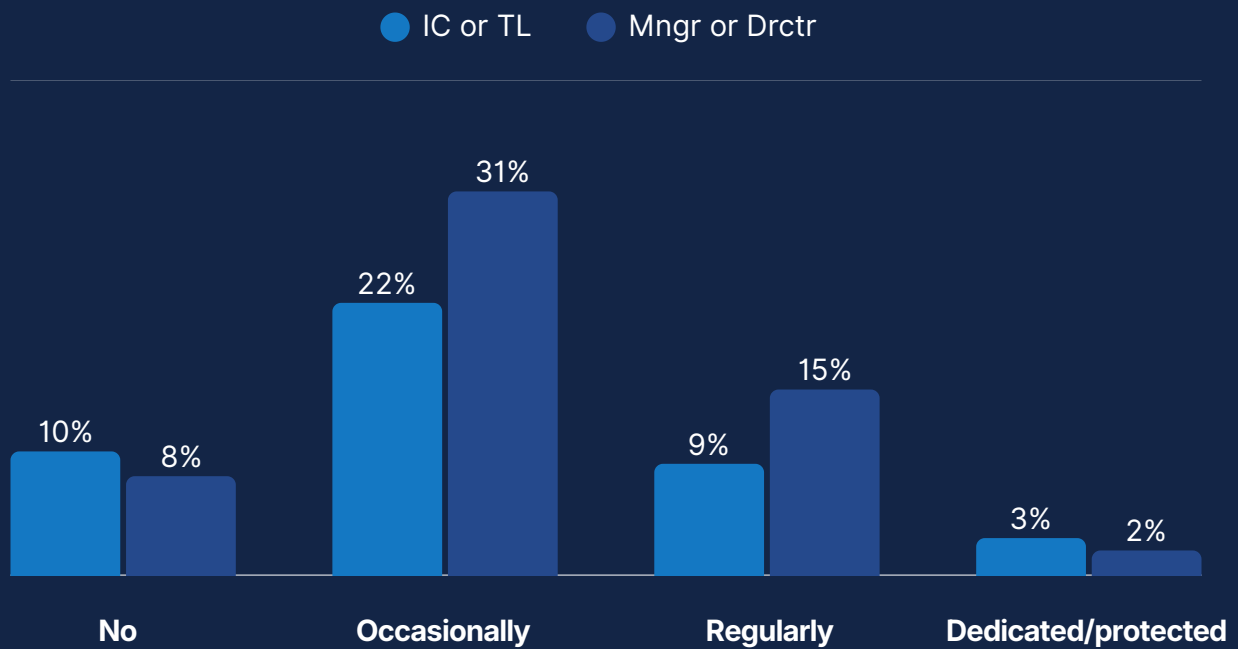


- Only 6% have protected learning time; most depend on ad hoc or occasional opportunities
- Despite assumed, widespread agreement on the value of upskilling, learning still fights for permission

Organizations often praise learning more than they fund it. Yet the most reliable systems are built by engineers whose curiosity is part of the job, not an afterthought. Time is the real training budget. Teams that weave learning into daily work preserve both capability and engagement.

Permission by Position

Do you get dedicated time for learning *during work hours*?



- *Management* are more likely to have dedicated learning time, but very few have true protected access
- Here again, *practitioners* are slightly higher on both tails of the distribution

Access to learning grows with authority, not with need. Managers and directors are more likely to schedule learning time, while very few call it protected. Culture may applaud curiosity, yet calendars often cancel it. Until learning is engineered into the workflow, growth will remain optional for many and uneven for all.

The Growth Imperative

What would make you seriously consider leaving your current role for another?

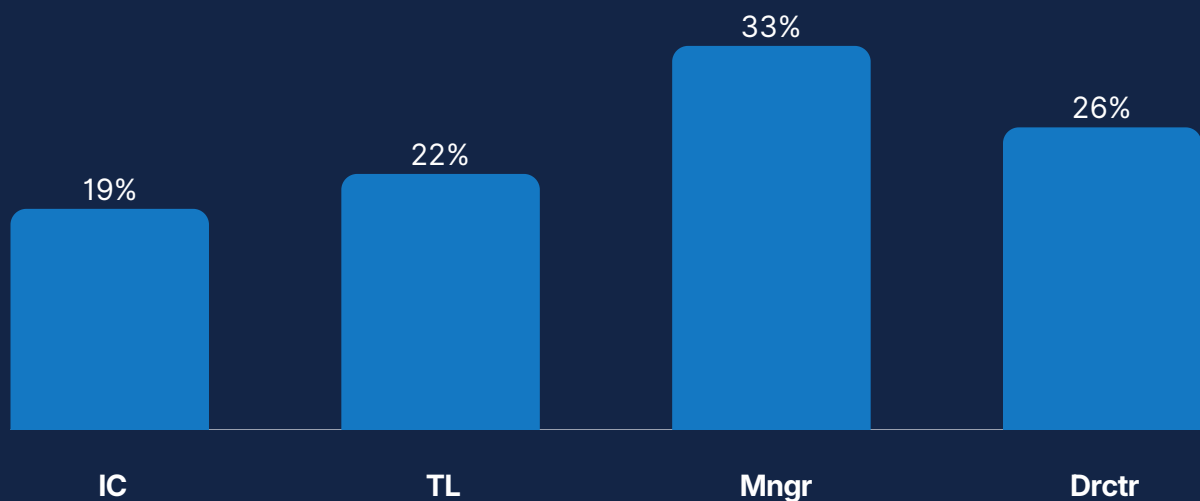


- Pay is the top reason people consider leaving (51%), with learning and growth tied with work-life balance for second
- On the other end of the spectrum, only 8% said *nothing* would make them seriously consider leaving

People stay where they can evolve. Reliability work demands endurance, and endurance requires renewal. Career development is not a perk; it is preventive maintenance for people. The next incident may not begin in code but in the quiet fatigue of talent left unstretched or unfulfilled.

The Cost of Standing Still

What percent said they would consider leaving their role for better learning and growth opportunities?



- *Management* are more likely than practitioners to leave for better learning opportunities elsewhere
- Not shown here, more focused technical environment as a reason to leave was dominated by *practitioners*

Ambition rises with rank, and *management* are most motivated by roles promising stronger learning. When managers and directors stop stretching, opportunities beneath them shrink for everyone. Reliability depends on continual renewal: learning drives resilience more than any dashboard or metric.

Perspective: The Infrastructure of Growth

Reliability doesn't begin in code; it begins in capability.

Systems evolve only as fast as the people maintaining them, yet the data reveals a troubling paradox. SREs know learning is essential, but few have the time or permission to pursue it. Most squeeze in a few hours a month, often after hours, in the margins of production. Only six percent say they have dedicated, protected learning time. That means in most organizations, curiosity runs on borrowed energy.

Learning isn't just a luxury anymore. It's the fuel for resilience. The more complex and AI-infused our systems become, the more engineers must continuously adapt, reframe, and retool. Knowledge decay is now a reliability risk. Teams that fail to invest in learning are burning future uptime.

When asked what would make them leave, respondents didn't just cite pay. Rather, they named growth, balance, and culture. That's an important cultural insight, since those are reasons why employees would consider leaving. Maintaining systems is easier when engineers are regularly learning. Neglecting skill growth can leave teams exposed to challenges that become harder to solve over time.

Learning, then, is the infrastructure of growth. It's how organizations future-proof both their people and their platforms. The next leap in reliability won't come from another dashboard. It will come from the hours you defend for skill-building, exploration, and reflection.

In Closing

Eight Years of the Reliability Arc

Eight years of The SRE Report remind me that reliability is a journey. And eight years of the journey remind me of the stories. Stories of incidents and recoveries. Of criticism and recognition. Of both answering and creating questions.



It's because of these stories that The SRE Report has meant so much. Every year, I hear from people who use the data to guide a decision, start a discussion, or defend an idea. Sometimes they also challenge what we write. They disagree, question, push back, or insist we missed something important.

And that is exactly how it should be.

Reliability grows stronger when it is examined from every angle, not only when it is agreed upon. The report belongs to everyone who takes the time to share, to respond, and to

debate in good faith. It reflects a community that continues to question itself, and in doing so, continues to improve.

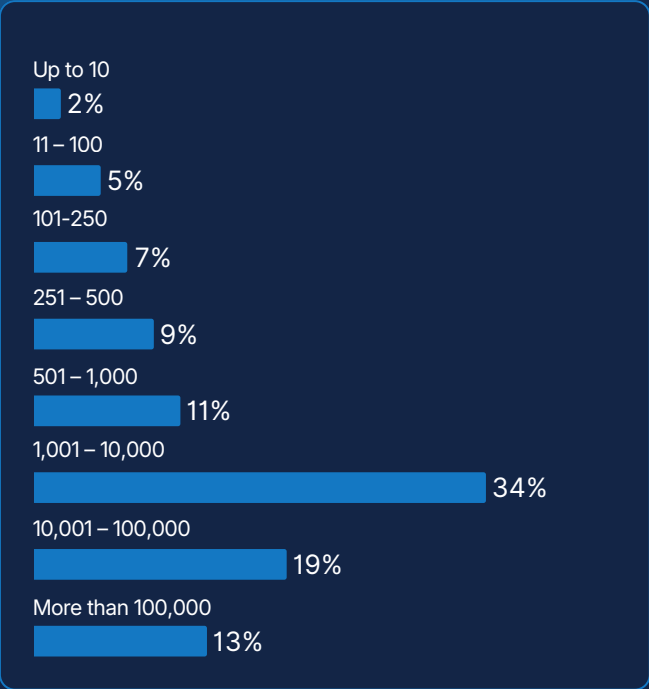
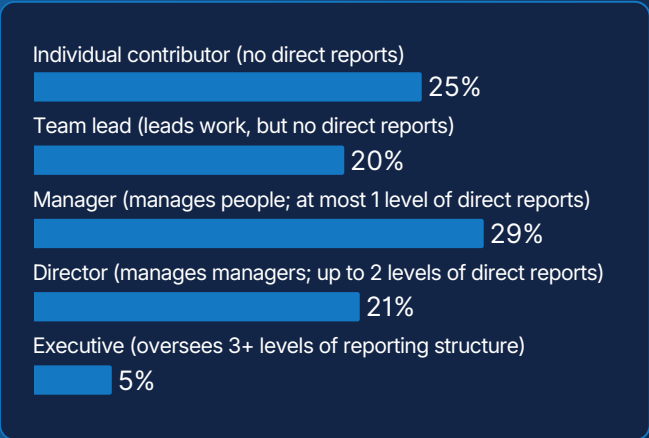
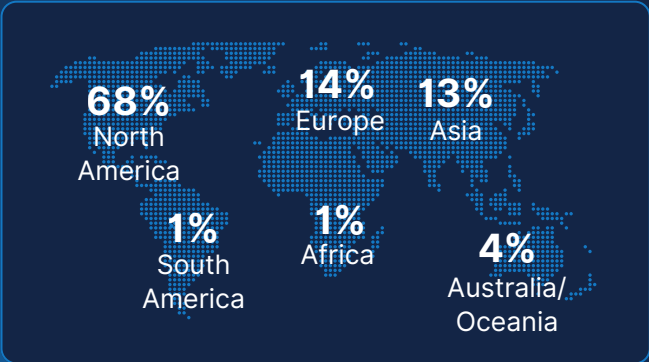
For that, all of us who have poured our time and energy into this report thank you. You kept the work honest, relevant, and alive.

As this year's report closes, the story does not. There will be new questions, patterns, voices, and debates. Reliability will keep moving, as it always has, carried by those who keep writing the next chapter.

Leo Vasiliou
SRE Report Passioneer

Demographics

The SRE Survey, used to generate insights for this report, was open during July and August 2025. The survey received 418 responses from all across the world, and from all types of reliability roles and ranks.



The Internet Relies on Catchpoint

Global 5000 companies, top online retailers, financial services, cloud infrastructure and services companies, and xSPs trust Catchpoint, a LogicMonitor company, and its Internet Performance Monitoring (IPM) to detect and resolve internal or external issues across the Internet stack before they impact customers, employees, or digital experiences.

Offering Internet Synthetics, RUM, BGP, Heartbeat Monitoring, Distributed Tracing, and performance optimization with high-fidelity data and flexible visualizations, Catchpoint is powered by the world's largest active agent network to provide real-world user experience visibility and internet stack insights that complement Application Performance Monitoring (APM) to give IT Ops team instant awareness of incidents, root cause insights, and quick resolution.

Learn more at www.catchpoint.com and www.logicmonitor.com
Follow us on [LinkedIn](#)