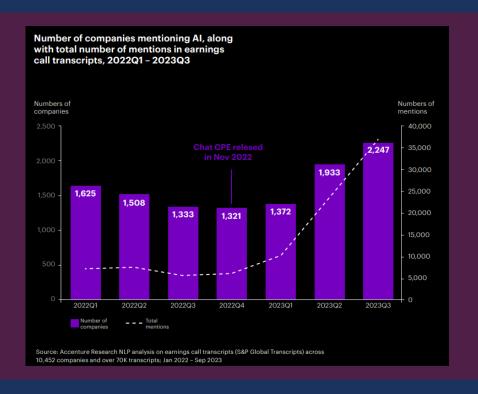


AI. Here, there, everywhere.

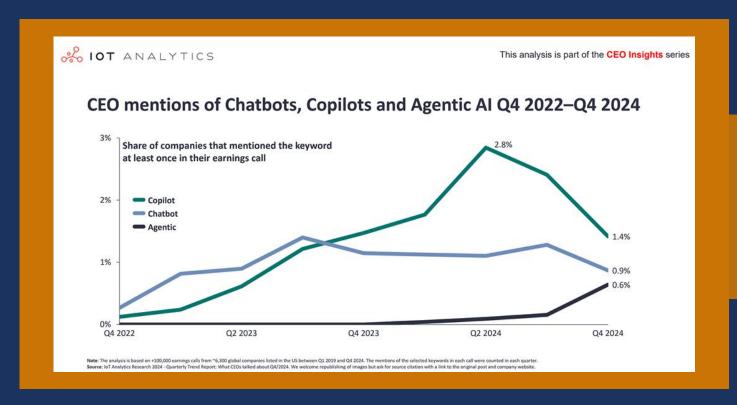


Al mentions in earnings call transcripts **increased 6x** since the release of ChatGPT in Nov 2022.

According to Wallstreet Zen analysis, companies that mentioned AI in earnings call saw an average stock price increase of **4.6%**, while those who did not only saw a **2.4%** increase.



Agentic AI is subtly reshaping corporate strategy



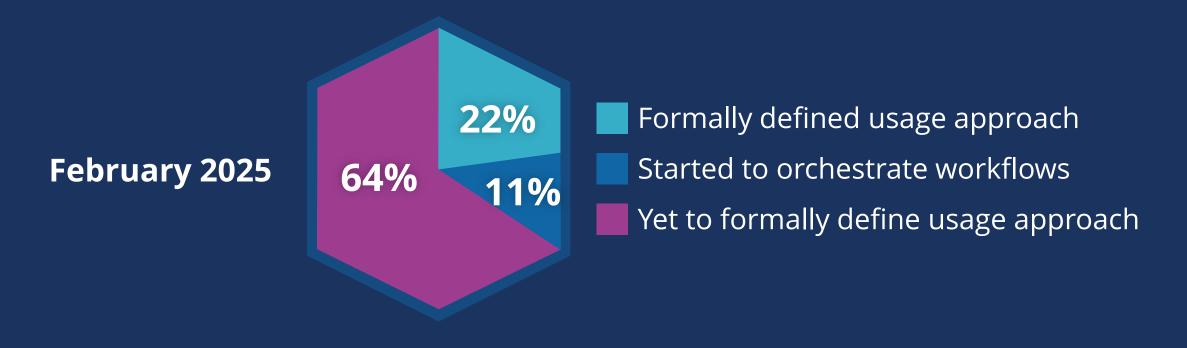
Now, in Q4 2024, the new rising star is Agentic AI; **The topic jumped 250% QoQ to 0.6% of earnings calls.**

Agentic AI - Subset of ML and DL techniques that enable computer systems to exhibit agency: set goals, make decisions and take actions through perception, reasoning and action loop.

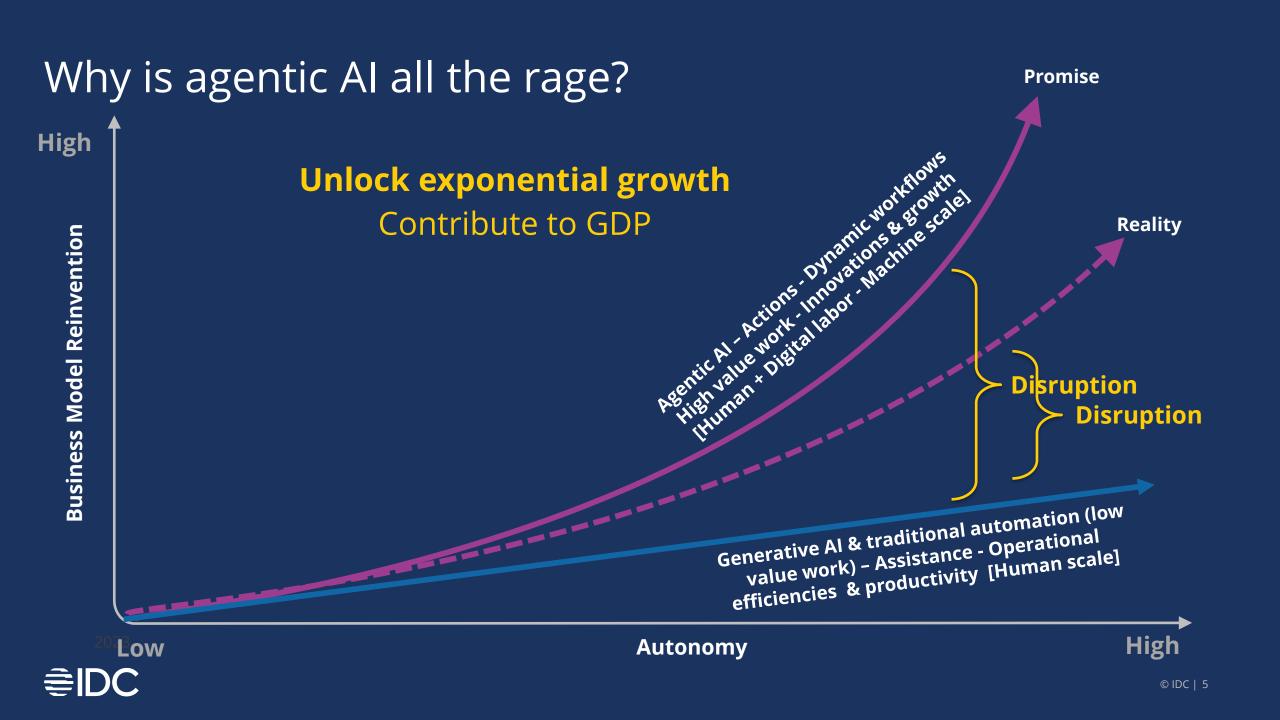


Agentic Al is getting a lot of attention

Over 60% survey respondents noted it as a business model disruptor; 97% report commitment







Macroeconomic – Social Business - Technology

Multitude of factors converge - diverge for agentic Al adoption

Agentic AI - Higher agency - Human-on-the-loop

Economic stimulus

- Labor shortage solution
- Opportunity the business status quo
- Accelerate time to value workflow reinvention
- Unlock machine scale dynamic and agile businesses –beyond productivity gains
- Elevate the customer experience Personalizations at scale
- Availability of advanced reasoning models
- Reduce technical debt take cost of day-today operations
- Data and computing power advancements
- Superior support for adaptable edge-tocloud workloads







- Social divide; Job displacement fears
- Geopolitics; Sovereign Al
- Al trustworthiness (bias/hallucinations)
- Exposure to brand/regulatory requirements;
 Security vulnerabilities
- Skills gap
- Immature end-to-end multi-agent systems
- High costs to sustain continuous connectivity and data logistics across agents and systems
- Sustainability (Energy, network and water) constraints
- Human scale cloud native infrastructure
- Human empathy



Social

Macroeconomic

Technology

Business

Degree of autonomy will increase with trust, technology and policy maturity

We are at an inflection point for autonomous AI agent development



Al assistants

Al provides Insights or recommendations

E.g. Order status inquiry

Autonomous Al agents

Humans are "architects and orchestrators" of workflows

E.g., Order refunds/exchanges

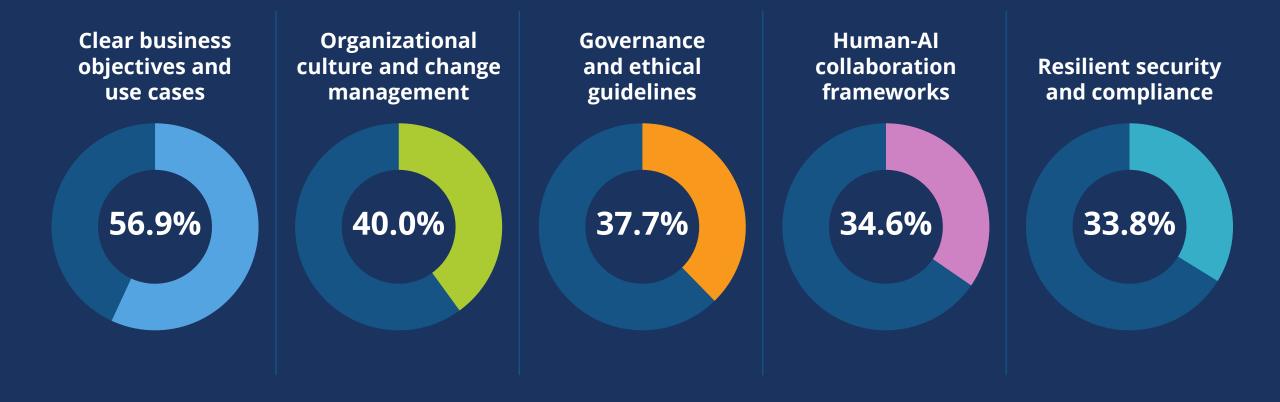
Al agent fleets

Complex problem solving, collaboration across agents

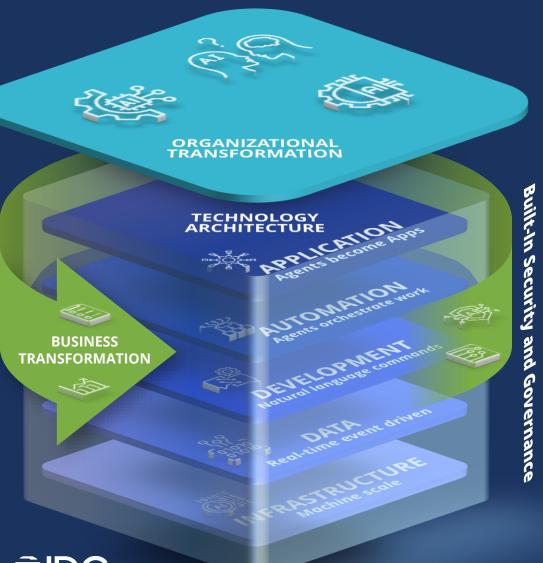
E.g., Fully autonomous customer service representative



Successful adoption hinges on business and culture







Agentic Al

Playbook for corporate innovation



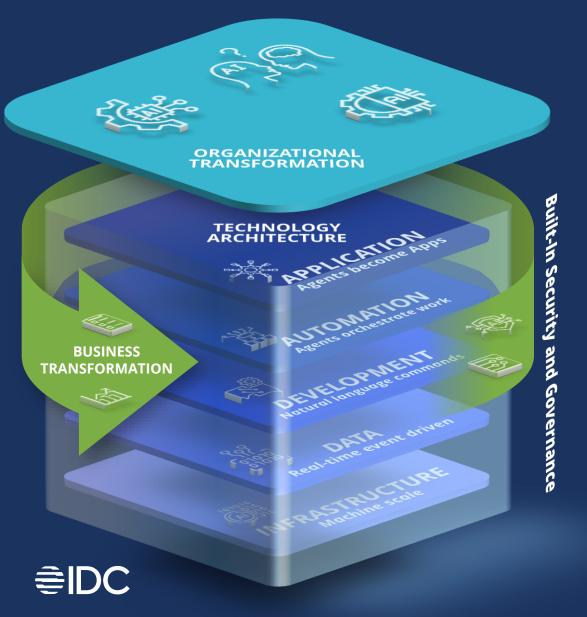






Business transformation for agentic Al era







Goal setting



Decisioning framework High value use cases



Measurement and optimization



Risk management and governance

Agentic Al governance: From policies to practice

Over 30% survey respondents note governance and ethical guidelines, resilient security, and compliance as important factors for success

Proactive risk management – Build trust



Transparency

Ensure that stakeholders have a clear understanding of how Al agents reach decisions



Compliance

Integrate regulatory safeguards into Al workflows to prevent any breaches



Accountability

Establish frameworks that monitor outcomes and attribute responsibility for Al-driven choices

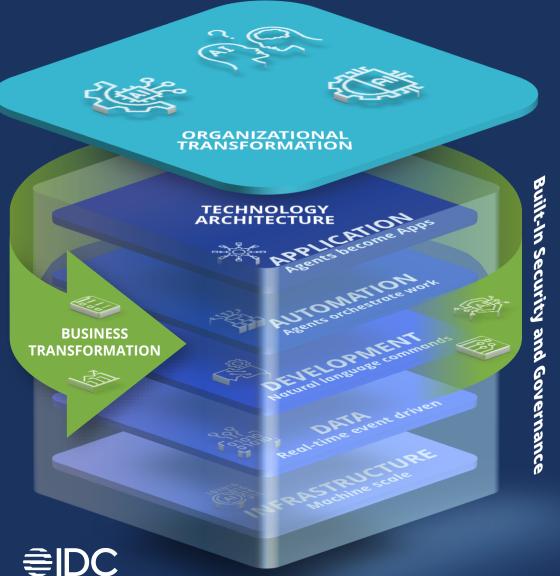
Adopt Al governance platforms to monitor and control agent behavior.

Incorporate real-time audit trails to ensure every action executed by an AI agent is traceable and verifiable. This transparency not only fosters trust but also minimizes the likelihood of operational errors, reinforcing the reliability and dependability of AI systems.



Organizational transformation for agentic AI era







Relationships between AI and people

Al as assistant | Al as digital labor | Al as "army" of digital labor



Evolving work models

Al job roles | Required skills | Metrics



Services role transformation

As-needed human advice/talent | Business value alignment frameworks | Monetization evolution to expertise/outcome-based





Agentic Al

Disruptive impact on technology architecture

It is a journey at an accelerated pace like never before!



Infrastructure for agentic Al era







Policy driven AlOps, autonomously acted



Control planes and APIs

Machine created APIs and robust abstraction layer unifies hybrid system and storage operations



System architectures

Edge-centric, inferencing intensive, fit-for-purpose processors



Deployment

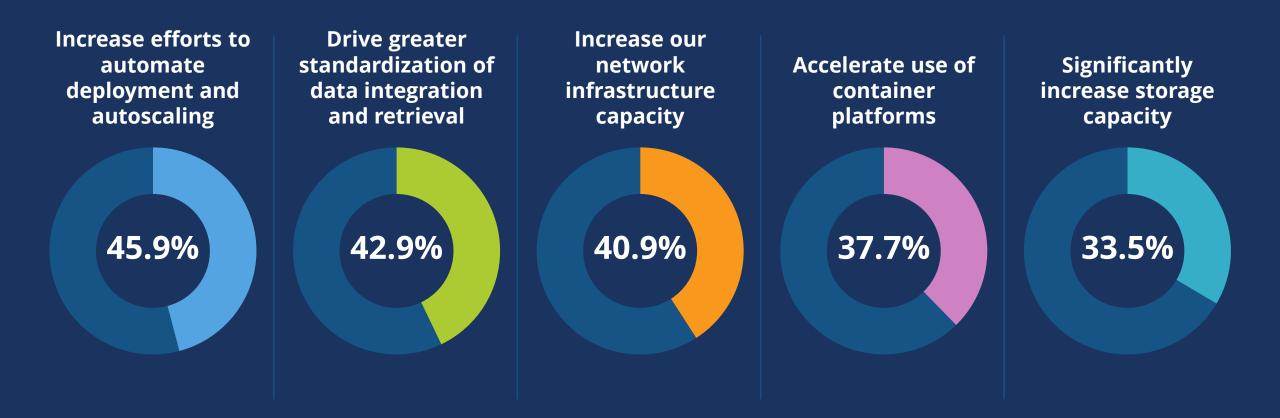
Highly interconnected data & workload driven deployment diversity



Consumption

Policy optimized and workload aware







Enterprise intelligence: data stack for agentic AI era





Enterprise intelligence: data stack for agentic AI era







Business activity

Agent actions: Dynamic insights, Autonomous operations and Decisioning support



Data synthesis

New capabilities: RAG, Graph, Search and multimodal



Data control

Real-time data, policy, and change intelligence inform agents of events upon which they can act



Data & content management

Event brokering, change enabled table formats and systems, vector, graph and synthetic data



Investment priorities for agentic Al









Software development in agentic AI era





Software development in agentic AI era





Agents take responsibility for development



Increased investment in personalized software built by Al agents





SDLC transitions to ADLC

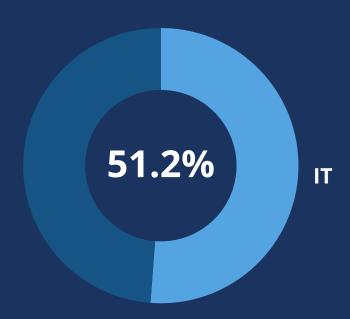


Al agent builder platforms alongside code editors, IDEs; Al-assisted developer tools transition from copilots to agents



Natural Language – language for development





IDC Prediction

By 2029, GenAl-based software testing tools, capable of writing 85% of tests, will be augmented by Al agents and agentic workflows, improving code coverage and quality, but demanding governance.



Enterprise automation fabric in agentic Al era





Enterprise automation fabric in agentic Al era





Al agents begin to orchestrate work



Al agents create draft automation apps



Al assistants accelerate automation development & optimization







Tool foundation expands

Deterministic, Predictive/Interpretive, Generative/Agentic



IDC Prediction

By 2026, **20%** of frustrated knowledge workers with no development experience will take charge of transforming how they work by building their own agentic workflows, improving cycle times by **40%**.



Enterprise applications stack in agentic AI era





Enterprise applications stack in agentic AI era







Agent as apps - workforce - Self-learning



Agents provide
core functions within apps connect data and workflows



Agent led Agents become the workflow within and across apps

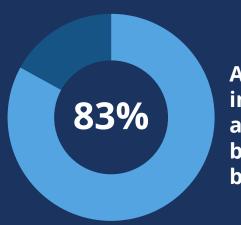


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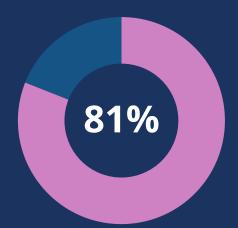


Al assisted Systems of record/experience





Al agents create a new intelligence layer over apps, eliminating barriers to switching between app vendors



Al agents are the new enterprise apps, triggering reconsideration of our investments in packaged apps



Essential guidance



0-12 monthsProof of concepts

- Prioritize core differentiated business areas
- Assess your readiness and evaluate use case specific build vs. buy/customize strategy
- Establish clear top-down policies, governance and guardrails
- Establish an event-driven data strategy
- Assess agentic Al infrastructure impact
- Explore green field opportunities for agentic automation
- Redesign people strategies for an autonomous world



12-24 months Focused rollouts

- Experiment with metrics and KPIs
- Develop business semantics
- Implement policy driven automation for Infrastructure
- Prepare to embrace agent led workflows
- Determine what practices will be services-led and which will be in-house
- Reskill employees for hybrid human-agent work model
- Strive for limited autonomy focus on lowrisk workflows



24-36 months Prepare for scale

- Prepare to replace traditional system of intelligence w/ multi-agent architectures
- Extend cloud-to- edge agentic Al ops
- Expand use of multi-agent development and deployment
- Consider new business models that value services expertise in new ways
- Establish Al governance controls
- Redeploy talent to work alongside agents and expand autonomy for broader use cases - workflows



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In closing: Key takeaways





- SaaS remains viable as a business model (subscription/consumption)
- Agents eliminate barriers to switching applications
- Agents initiate business process as a service



Is RPA dead?

- RPA for repetitive, structured tasks
- Agentic AI advanced autonomous automation
- Enterprise automation toolbox evolves aligns with specific use cases



Are Al agents job disruptors / creators?

- Agentic Al extends automation to knowledge workers
- Drives significant job displacements in certain sectors
- Creates new jobs in certain sectors



Case studies: Early adopters Varied levels of autonomy - mindful of risks



Drug discovery

Chemical synthesis process – best time to conduct solvent switch

Moody's

Market research

Complex topics like analyzing the financial fitness of a company



Code development Marketing campaigns

Home-grown agent framework orchestrator – semi-autonomous



Source: The Wall Street Journal, Jan 2025



