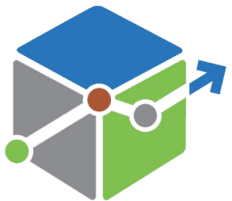




A New Beginning: Generative AI in the Enterprise

A Survey Report



technalysis
RESEARCH



Purpose

Investigate interest, usage, applications, vendor preferences and understanding of Generative AI (GenAI) tools and their impact in US-based businesses



Methodology

Telephone survey of 1,000 US-based IT Decision Makers (ITDMs), split across 2 company sizes and 10 industries, involved with their company's GenAI technology implementations

- Survey fielded May 2023



Key Findings, Part 1

1

Real-world usage of GenAI is already near 90% and excitement around its potential is huge

2

GenAI benefits expected to be around improved productivity and efficiency but how it's measured and its long-term implications still unclear

3

Top application usage is core productivity and content creation, though other apps like software coding have huge potential in some industries

4

Huge diversity of top app choices across industries suggests people are still trying to figure out best applications for their needs

5

There's a gap between current usage and perceived value of different GenAI apps suggesting opportunities to improve existing apps and build new ones

6

Serious challenges in customers' capabilities and internal skills remain

7

Education gap is large as knowledge around what's possible isn't evenly distributed



technalysis
RESEARCH

Key Findings, Part 2

8

Fear factor of the technology and its impact is real both in terms of IP leakage and data security, as well as job loss

9

Great deal of interest in integrated prompt training, watermarking and other features that aren't yet widely available

10

Big names lead GenAI vendor preferences but it's clear companies are planning to use multiple, with distinct viewpoints on who they plan to choose and why

11

Organizations open to hybrid GenAI architectures, but the need to leverage custom data is essential

12

Very little interest in companies building their own models (except in tech and comms)

13

Great deal of uncertainty around best go-to-market strategies in terms of separate models, standalone apps vs. APIs and more

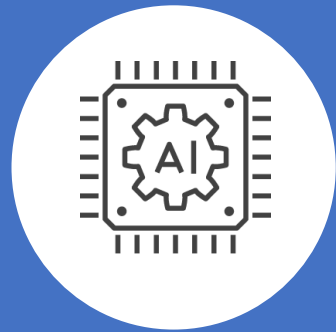
14

Interest in running GenAI on devices is there, but not as strong as might be expected



technalysis
RESEARCH

Generative AI Usage Already Mainstream



88% of companies already using generative AI

- Only about 7% of companies using GenAI have a formal policy permitting its usage



95% of respondents believe GenAI will or possibly could have a profound impact on work



Almost 22% of respondents are already generating new revenue streams or creating new business models



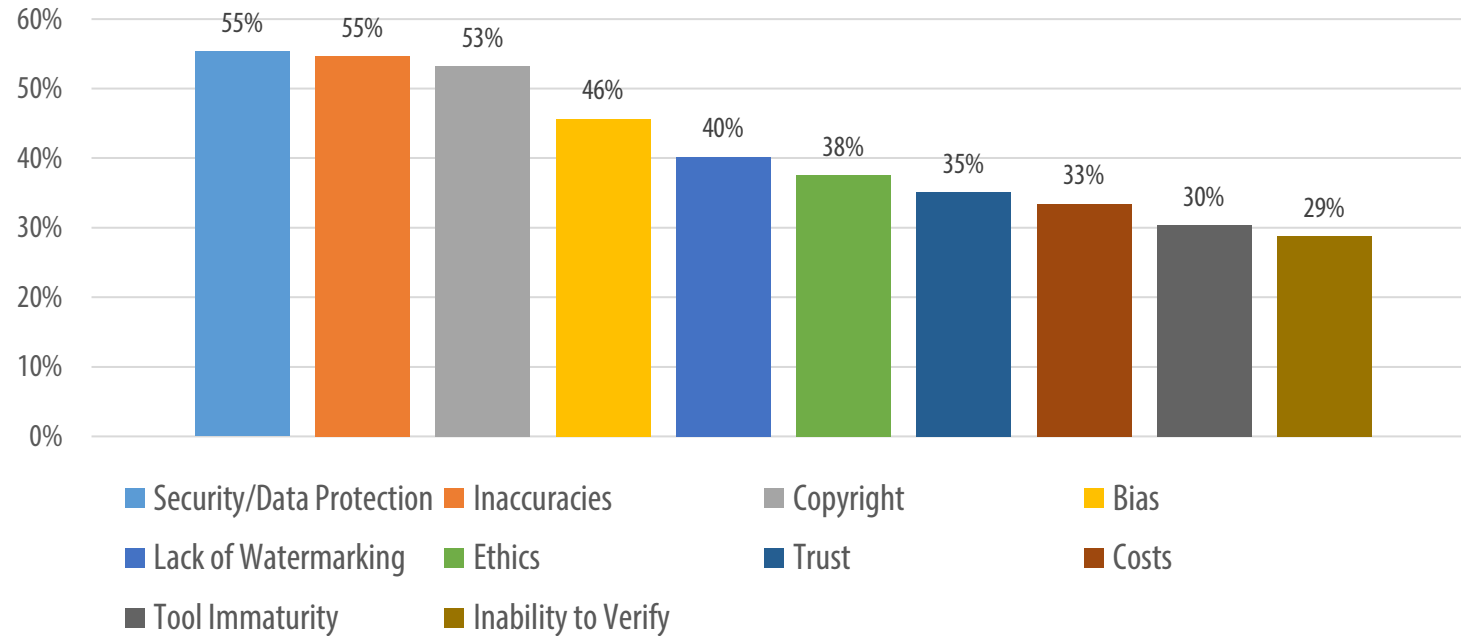
$\frac{3}{4}$ of respondents who control GenAI initiatives come from C-Suite



technalysis
RESEARCH

Security, Inaccuracies, Copyright Lead GenAI Concerns

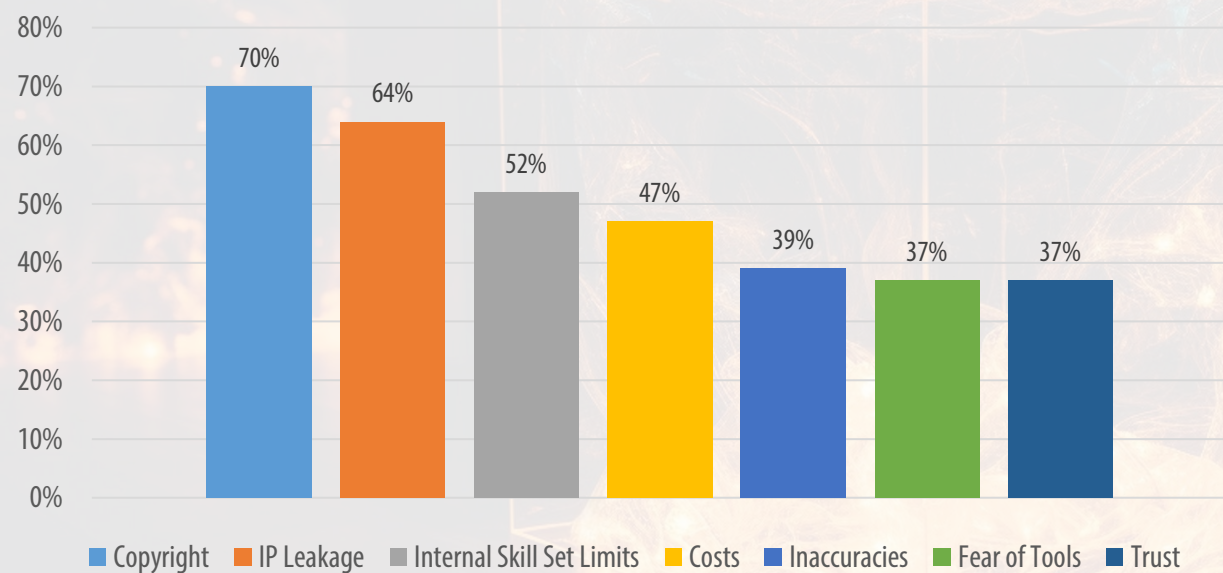
Top 10 Concerns for Using GenAI



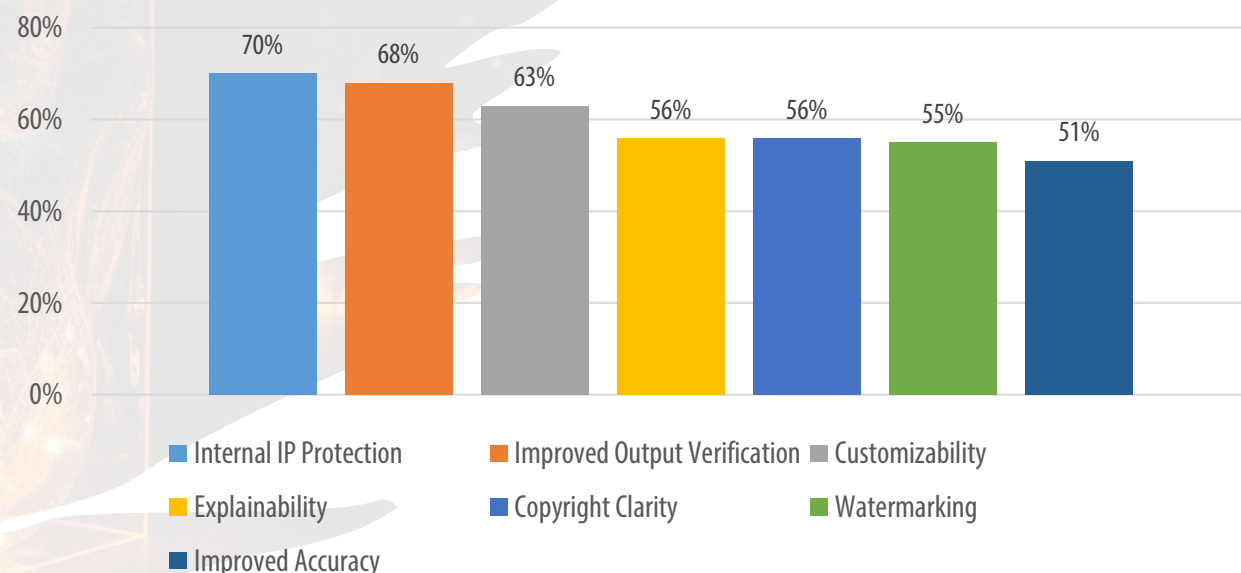
“There is a high level of concern about the accuracy and reliability of generative AI tools.”—Survey Respondent

Generative AI Non-Users

Top 7 Reasons for Not Using GenAI



Top 7 Factors for Reconsideration



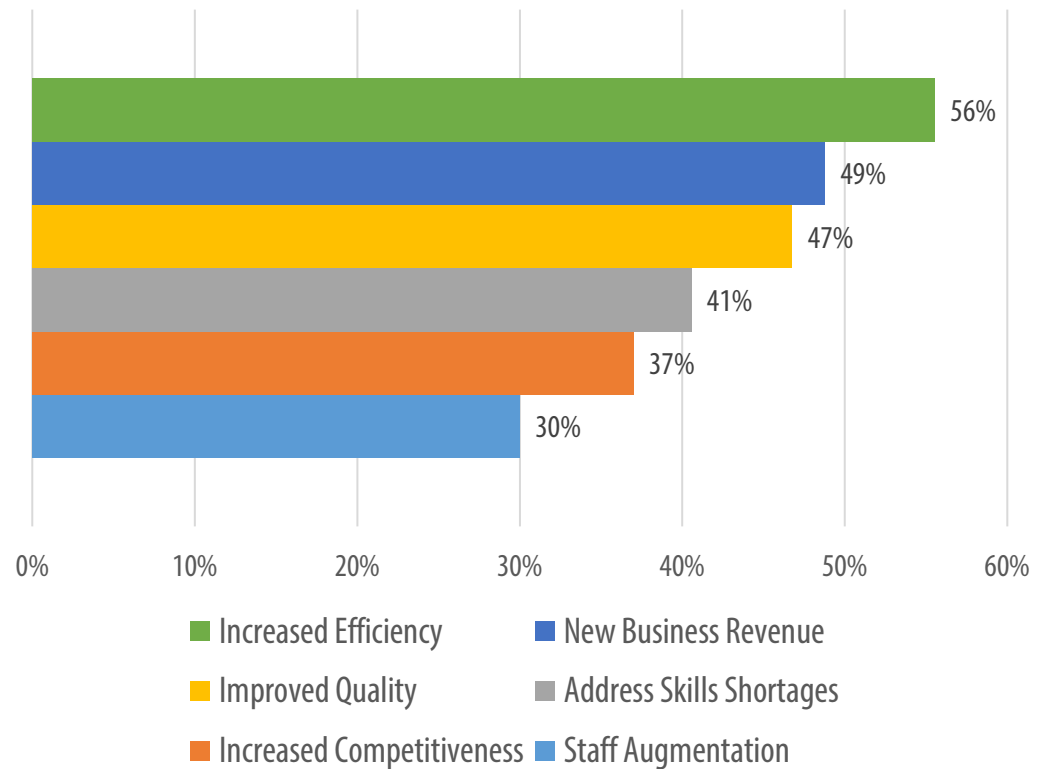
Only 7% say they're not considering deployment

Generative AI Benefits

“AI has not only sped up our work, but it has also made our employees more skilled.”—Survey Respondent

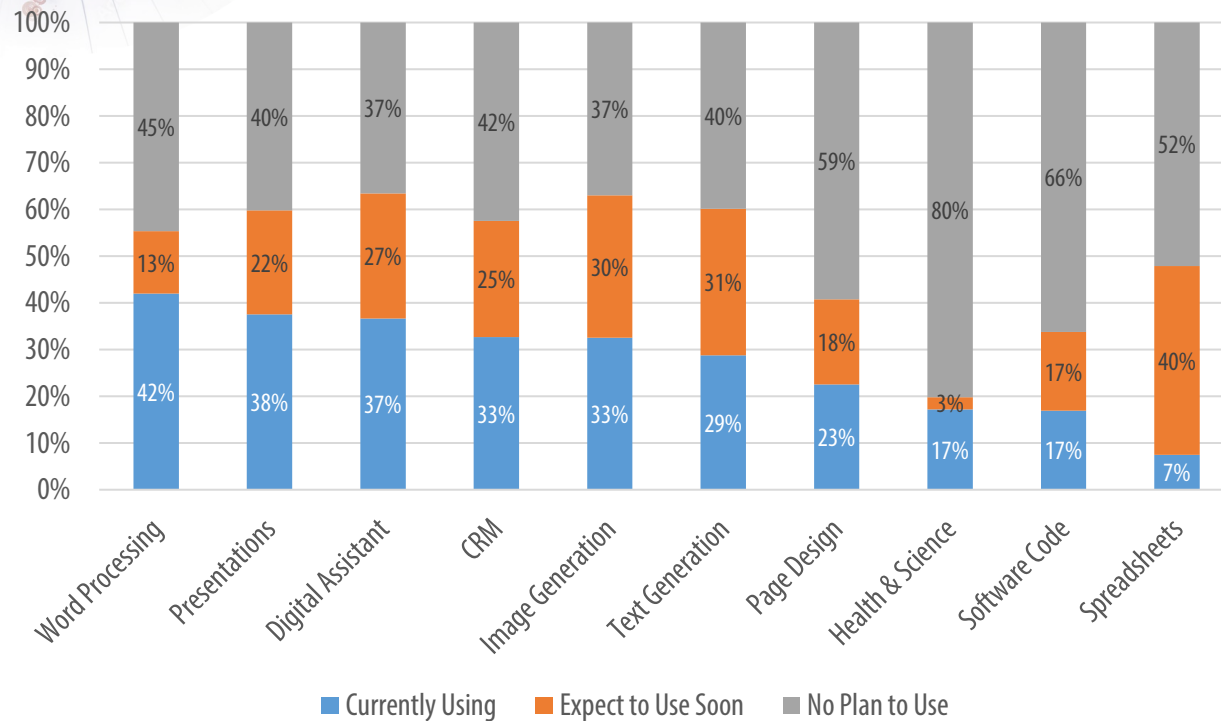


Top GenAI Benefits



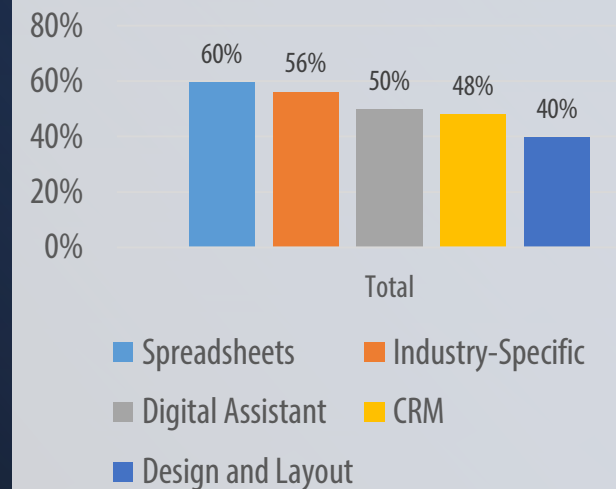
Productivity Leads Current Generative AI Apps

GenAI App Usage and Plans



Most Desired GenAI Apps

Most Requested GenAI Apps



Despite low current usage, there's big pent-up demand for spreadsheets as well as industry-specific solutions

Usage vs. Perceived Value

- Noticeable differences in what companies said they're currently using versus what they value means plenty of potential opportunities



Top 5 Currently Used GenAI Apps	Top 5 Ranked GenAI Apps
Word Processing	Company Intranet Search
Presentations	Productivity Apps
Digital Assistant	CRM
CRM	Content Creation
Image Generation	Internet Search



Industry Differences

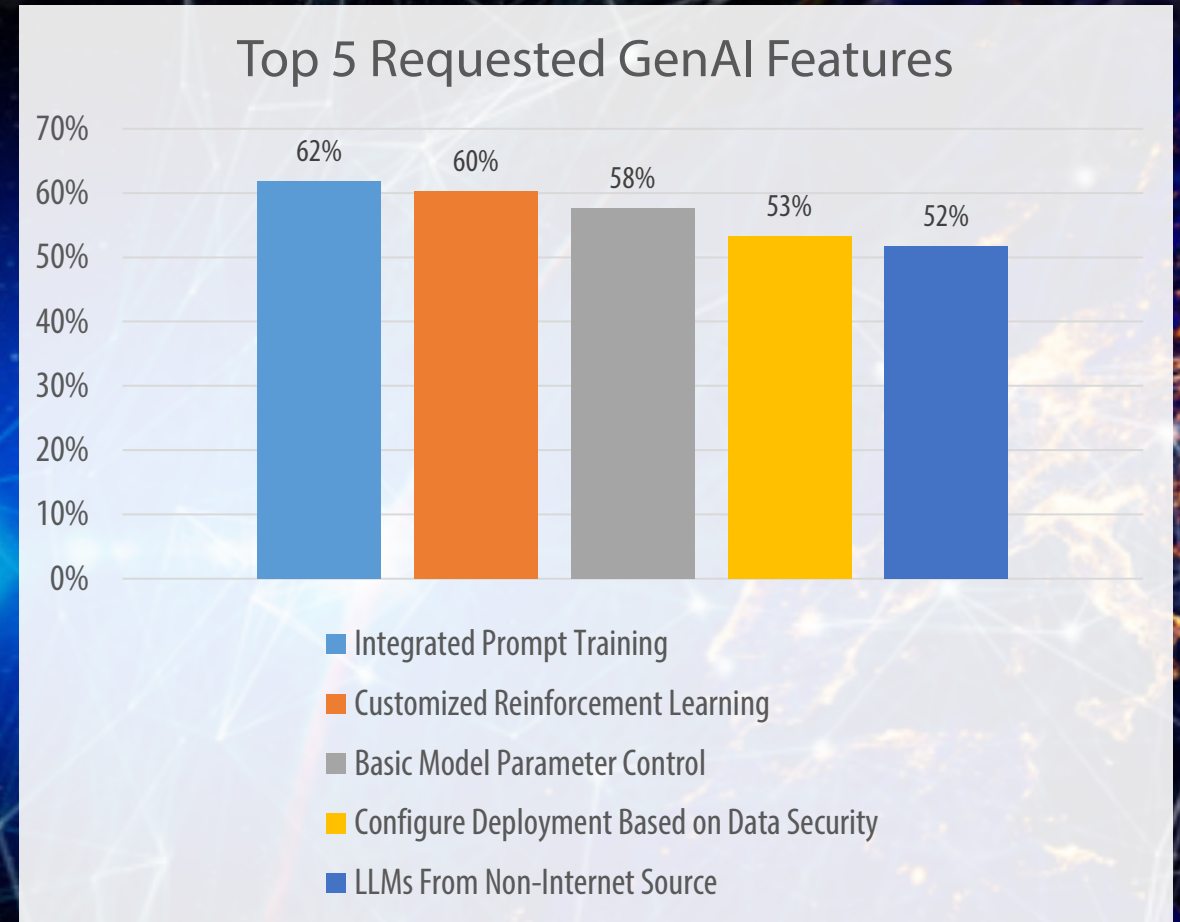
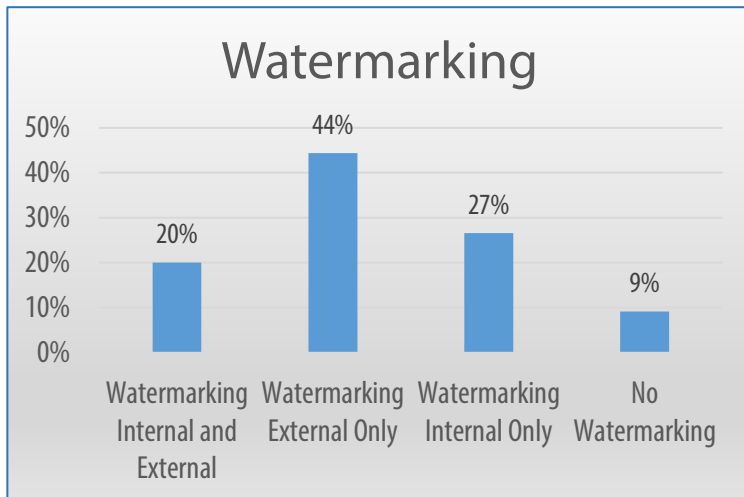
- Variety of top choices highlights both the diversity of opinions on where the technology is best suited and the fact that people are still trying to discover the best options

Top 3 GenAI App Rankings by Industry

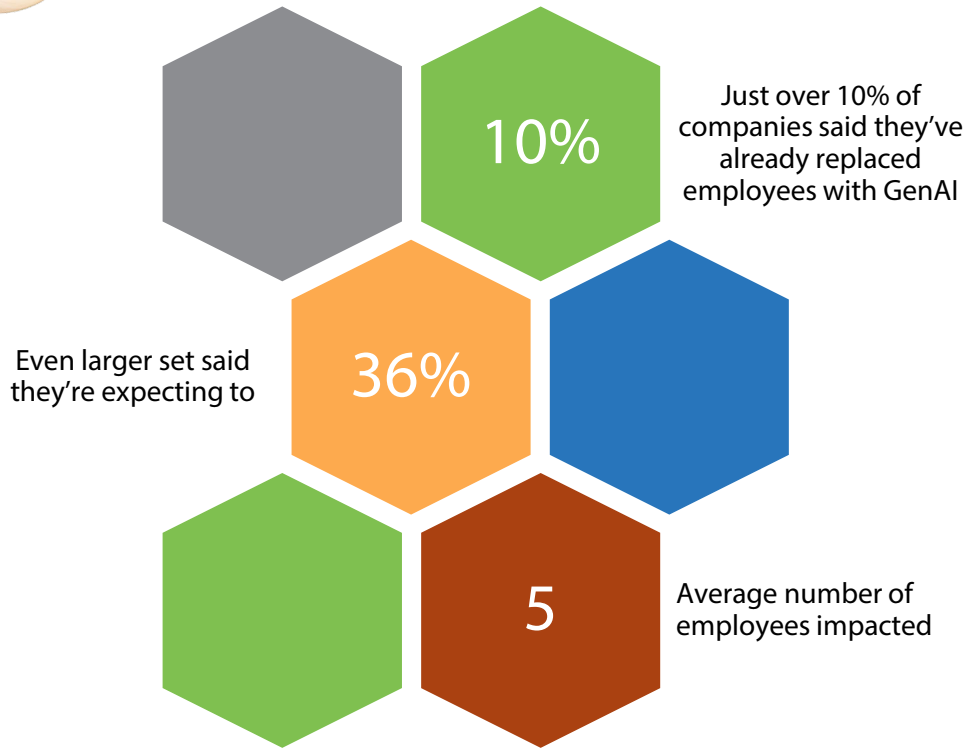
Real Estate, Finance	Professional Services	Government	Manufacturing	Education, Health Care
Productivity Apps	Software Coding	Productivity Apps	Content Creation	Software Coding
Educational Tool	Content Creation	Content Creation	CRM	Productivity Apps
Company Intranet Search	Productivity Apps	CRM	Productivity Apps	Educational Tool
Wholesale	Retail	ICT	Entertainment, Hospitality	Construction
Content Creation	Company Intranet Search	Productivity Apps	CRM	Software Coding
Software Coding	Software Coding	CRM	Productivity Apps	Content Creation
External Customer Support	Content Creation	Content Creation	Software Coding	Productivity Apps

Missing Generative AI Capabilities

- 5 different features were requested by more than half of all respondents



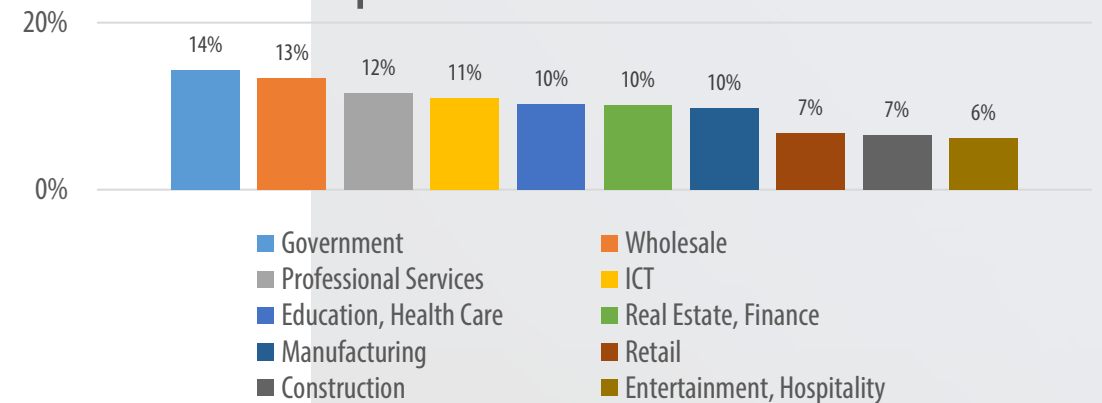
Generative AI Job Impacts Are Real



"The adoption of generative AI tools could lead to significant job losses."—Survey Respondent



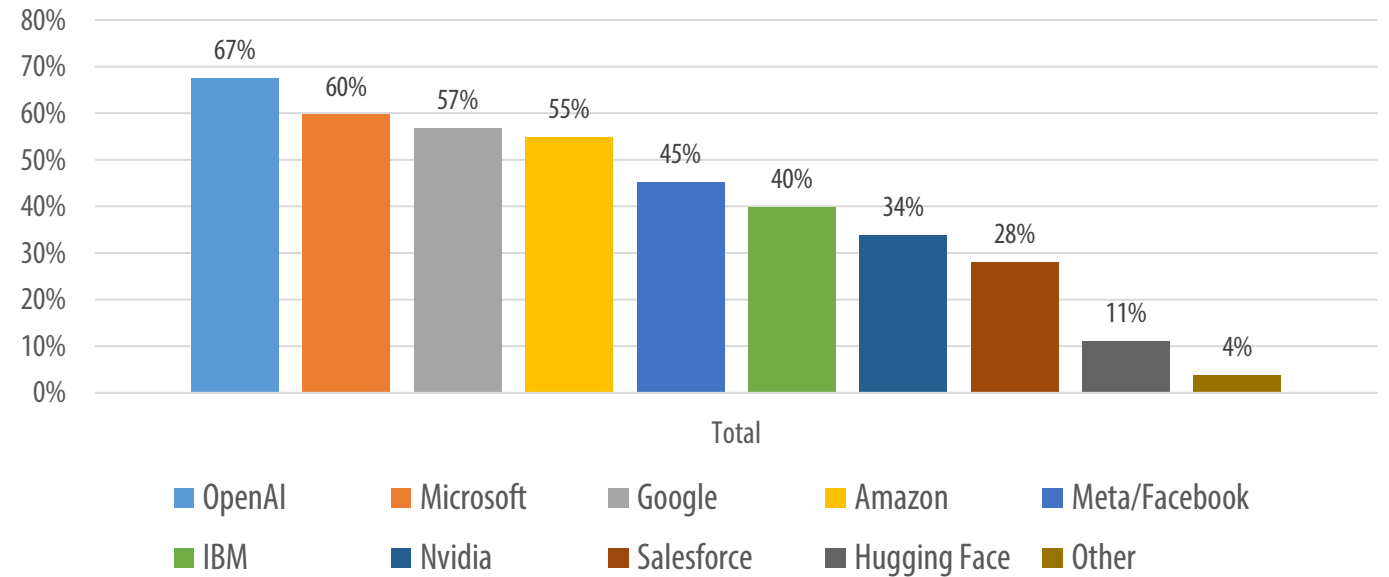
Industries Where Employees Replaced with GenAI



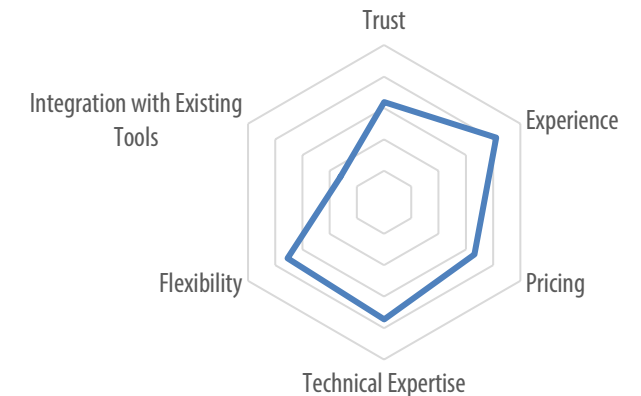
Generative AI Vendor Preferences

- Big names are at the top, but each vendor brings a different set of qualities that customers will need to prioritize
- Even from this list, works out to an average of 4 vendors per customer so there's no runaway winners yet

Vendor Preferences



OpenAI Qualities



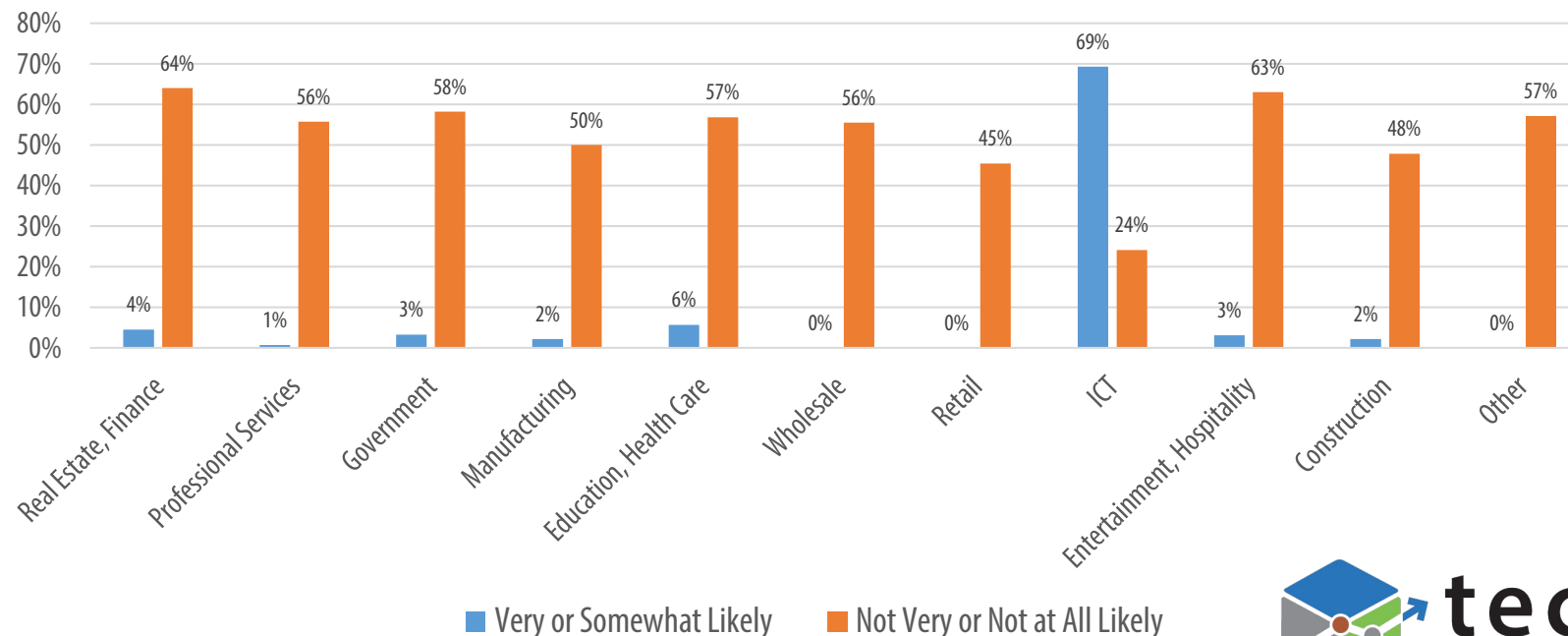
Custom GenAI Models

13%

Companies that want to build models

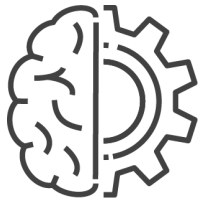
- *Tech challenges*
- *Limited skill sets*

Likelihood of Building Custom Models



- The tech-focused ICT (Information, Communications, Technology) vertical is the only one currently planning custom models
- Preference is so large and so dramatically different that it highlights knowledge gap

The Education Problem



Confusion

- *“Generative AI tools can be hard to understand. This technology needs to improve in a lot of ways before we can use it for business purposes.”—Survey Respondent*



Time Sink

- *“AI applications require a lot of resources and training time, which can be a major challenge for businesses and organizations looking to implement these technologies.”—Survey Respondent*



Training

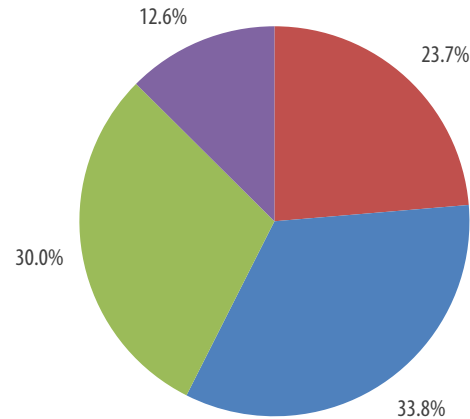
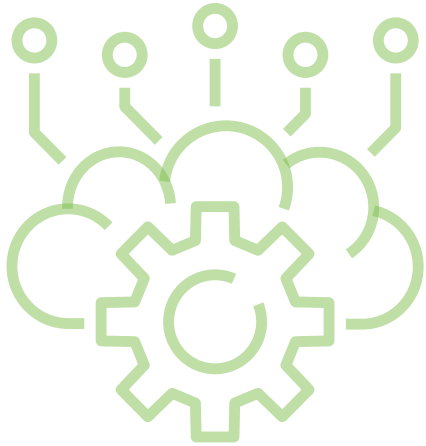
- *“My experience using generative AI tools has shown us that training and education are essential for our workforce to be able to use these tools effectively.”—Survey Respondent*



Hybrid Customized AI is Real

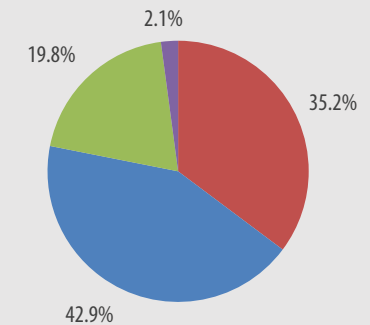
- While important, running models behind firewalls not essential
- Leveraging custom data, however, is essential

Running Models Behind Firewalls



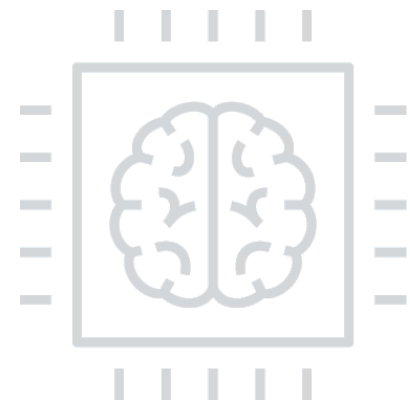
■ Very Important ■ Somewhat Important ■ Not Very Important ■ Not at All Important

Training on Enterprise Data

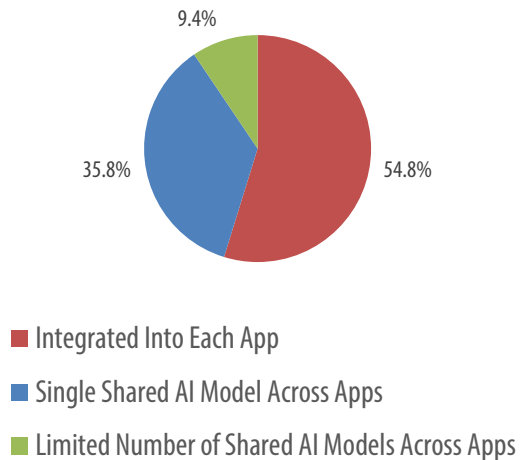



■ Very Important ■ Somewhat Important
■ Not Very Important ■ Not at All Important

Generative AI Go to Market is Evolving




Model Integration Choices



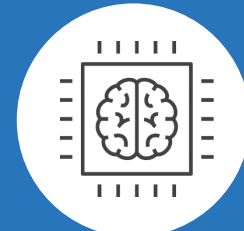


Many viewpoints on best approaches for GenAI packaging

- Single model across multiple apps versus models per app
- Standalone vs. API as-a-service




Only 12% of respondents expect to be using more than 2 or 3 foundation models

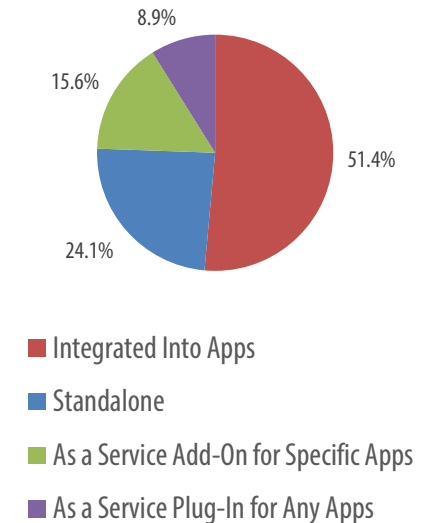


41% of companies think GenAI capabilities should be factored into cost of product

- 1/3 hope that it's free

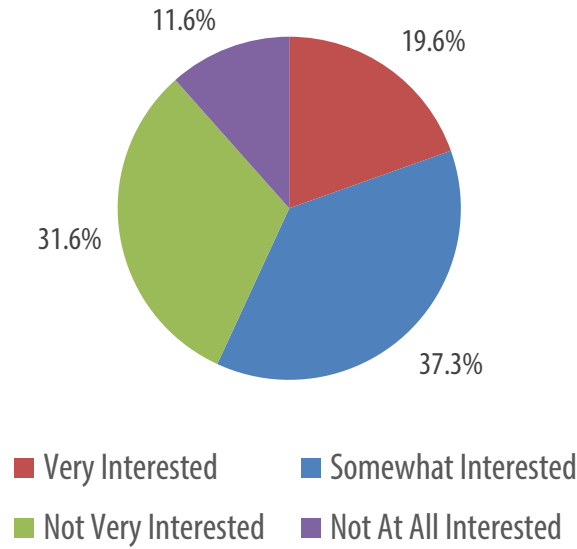


GenAI Packaging



Generative AI Client Interest Just Moderate

Interest in GenAI on Clients



Translation to the Practical

Ideas are getting ahead of practicality in many cases

- Need more step-by-step instructions on how to leverage a company's existing data

Hype is getting ahead of reality

- Companies, especially in industries outside of tech, don't really know how to get started

Need more examples of how GenAI translates to improving jobs

- Education at multiple levels needs to be a core part of any generative AI offerings



Conclusions and Recommendations

- To get past the GenAI hype phase, vendors need to directly address customer concerns
- The impact across software categories will be extensive
 - Early wins in productivity and content creation, but opportunities in software and CRM as well
- Educational efforts need to be at core of messaging and product offerings
- Different industries need tailored solutions and specific messaging
- Strong interest in revenue generation capabilities
- Plenty of opportunity for differentiation with new types of features, including integrated prompt training and better integration
- Go-to-market strategies and pricing for GenAI tools likely to evolve rapidly

Contact



Bob O'Donnell
President and Chief Analyst
TECHanalysis Research, LLC
1136 Halsey Blvd.
Foster City, CA 94404

bob@technalysisresearch.com

(650) 224-2355

[@bobodtech](https://www.instagram.com/bobodtech)

www.technalysisresearch.com

The complete 151-slide version of this study is available separately for purchase. Please contact bob@technalysisresearch.com directly if you are interested.

