



The top 5 generative AI questions on every executive's mind

Discover the business value of generative AI

Generative AI is here, and it's already transforming businesses across industries—with new use cases, products, and services emerging daily.

Executives and technology leaders are racing to unlock the technology's potential to improve productivity, customer experiences, personalization, and efficiency. But, for many, the path to realizing these benefits is unclear.

This infographic is designed to help you forge ahead—and start improving business outcomes with generative AI today.

OVER 10 YEARS,
GENERATIVE AI
COULD INCREASE
GLOBAL GDP BY:
\$7 TRILLION¹

IN THE US, GENERATIVE AI
IS PREDICTED TO ENHANCE
2 OUT OF 3 OCCUPATIONS¹



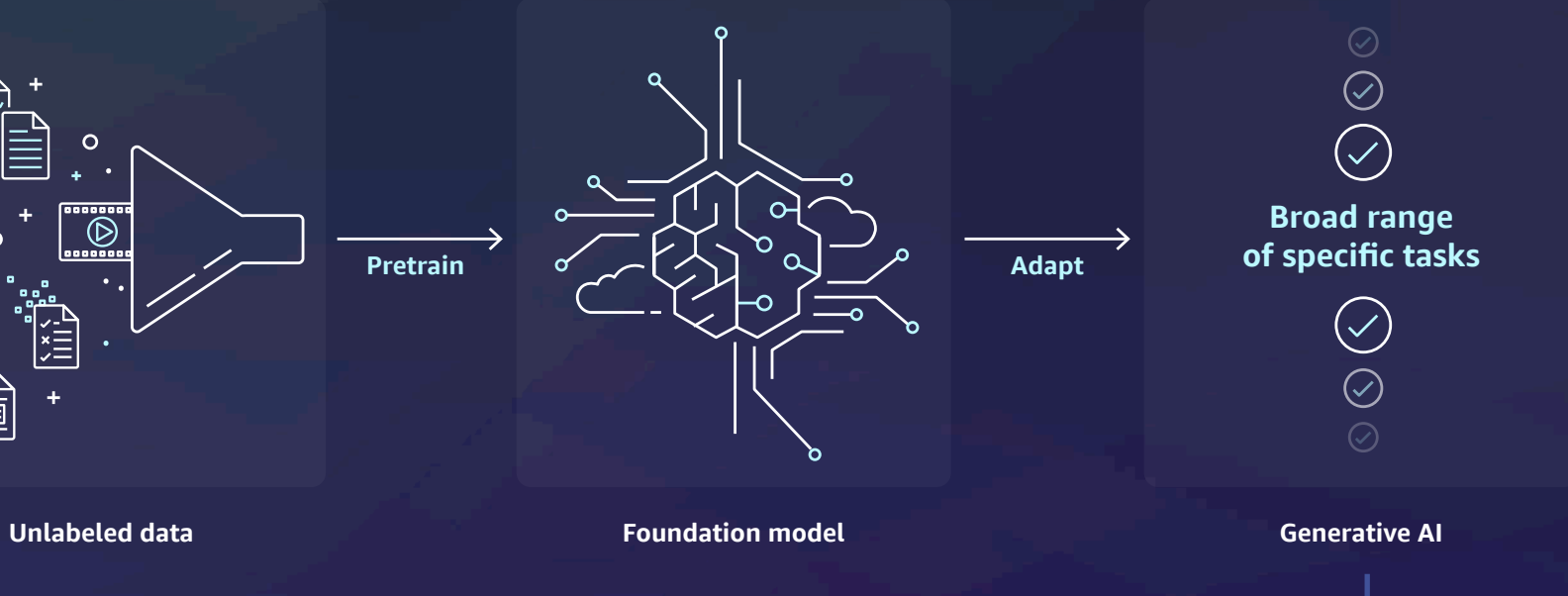
Democratizing artificial intelligence and machine learning

Amazon has a 20+ year history of unlocking the business value of artificial intelligence (AI) to deliver packages faster, personalize experiences, and power billions of Amazon Alexa interactions each week. Plus, more than 100,000 customers currently use Amazon Web Services (AWS) for AI. No matter where you are in your AI journey, AWS has the experience and expertise to guide you toward reaching your goals.

QUESTION 1

What is generative AI?

Generative AI is a type of AI that can create new content and ideas, including conversations, stories, images, videos, and music. Generative AI uses foundation models (FMs), which are machine learning (ML) models pretrained on extensive data for adaptability across various tasks.



QUESTION 2

How is it different from previous generations of AI?

Recent advancements in ML have given rise to models that contain billions of parameters—a massive increase from the most sophisticated models of just a year ago. Generative AI models are pretrained on internet-scale datasets, which allows them to learn and apply their knowledge across a wide range of contexts.

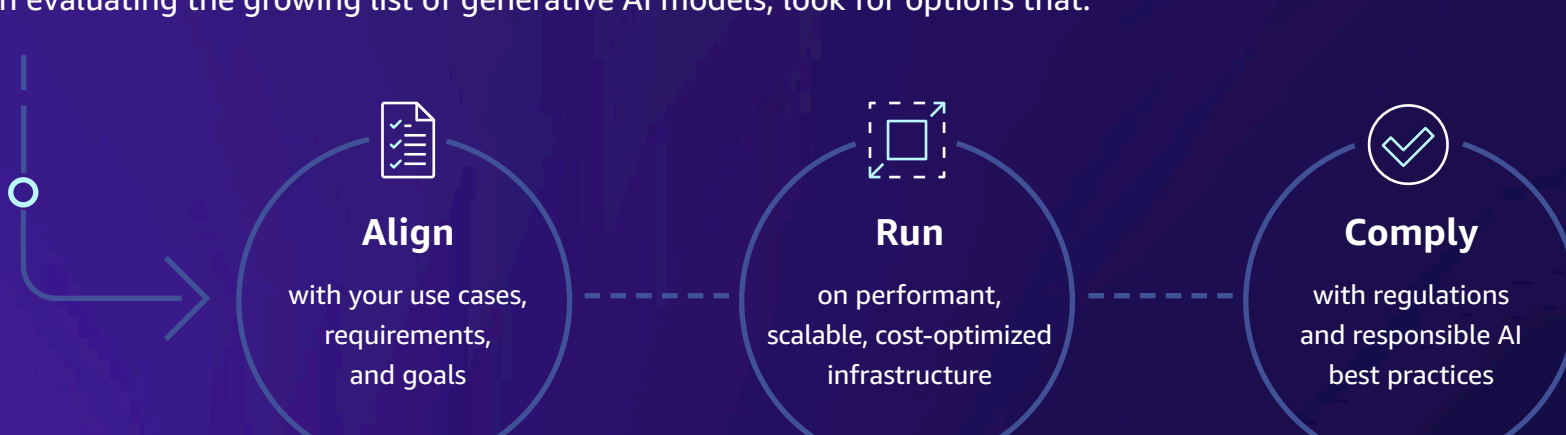
LARGEST PRETRAINED MODELS²



QUESTION 3

What are the business considerations for generative AI?

When evaluating the growing list of generative AI models, look for options that:



QUESTION 4

Where can you use generative AI?

Generative AI can improve outcomes across many industry-specific use cases. Here are just a few examples:



Life sciences

- Accelerate drug discovery
- Design novel protein and synthetic gene sequences
- Create synthetic patient data



Healthcare

- Generate clinical documentation
- Match patients to trials
- Analyze multi-modal data
- Interpret medical images



Financial services

- Improve experiences
- Enhance knowledge workers
- Analyze market sentiment
- Innovate and automate business processes



Media and entertainment

- Accelerate content creation
- Enhance music compositions
- Upscale, interpolate, and restore images and video



Automotive and manufacturing

- Improve part design
- Develop new in-vehicle experiences
- Automate testing and maintenance
- Generate training content



Education

- Summarize texts
- Automate testing and grading
- Personalize and invent new learning experiences

QUESTION 5

How can you add business value with generative AI?



Code generation

Improve developer productivity by 57% with [Amazon CodeWhisperer](#)³



Virtual assistants

Enhance customer experience with human-like responses



Contact center analytics

Summarize and extract insights from customer calls



Conversational search

Extract insights from all your corporate information



Personalization

Improve personalized recommendations and generate tailored content



Content generation

Create text, images, videos, and music



Design and creativity

Get suggestions, generate prototypes, and explore innovative concepts



Put generative AI to work

Every business needs to develop a strategy for generative AI. With the most cost-effective cloud infrastructure, a host of AI solutions, and years of responsible AI expertise, AWS can help you unlock the business value of generative AI today.

[Explore generative AI on AWS](#)

¹ "Generative AI could raise global GDP by 7%," Goldman Sachs, April 2023

² Sivasubramanian, S., "Announcing New Tools for Building with Generative AI on AWS," AWS Machine Learning Blog, April 2023

³ Based on results from a productivity challenge conducted by Amazon during the Amazon CodeWhisperer preview