



Asia's Largest

AI & Cloud

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It's me

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Generative AI History

Artificial Intelligence

Machine Learning

Deep Learning

Generative AI

1950s

Artificial Intelligence
the field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence

1990s

Machine Learning
subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions

2010s

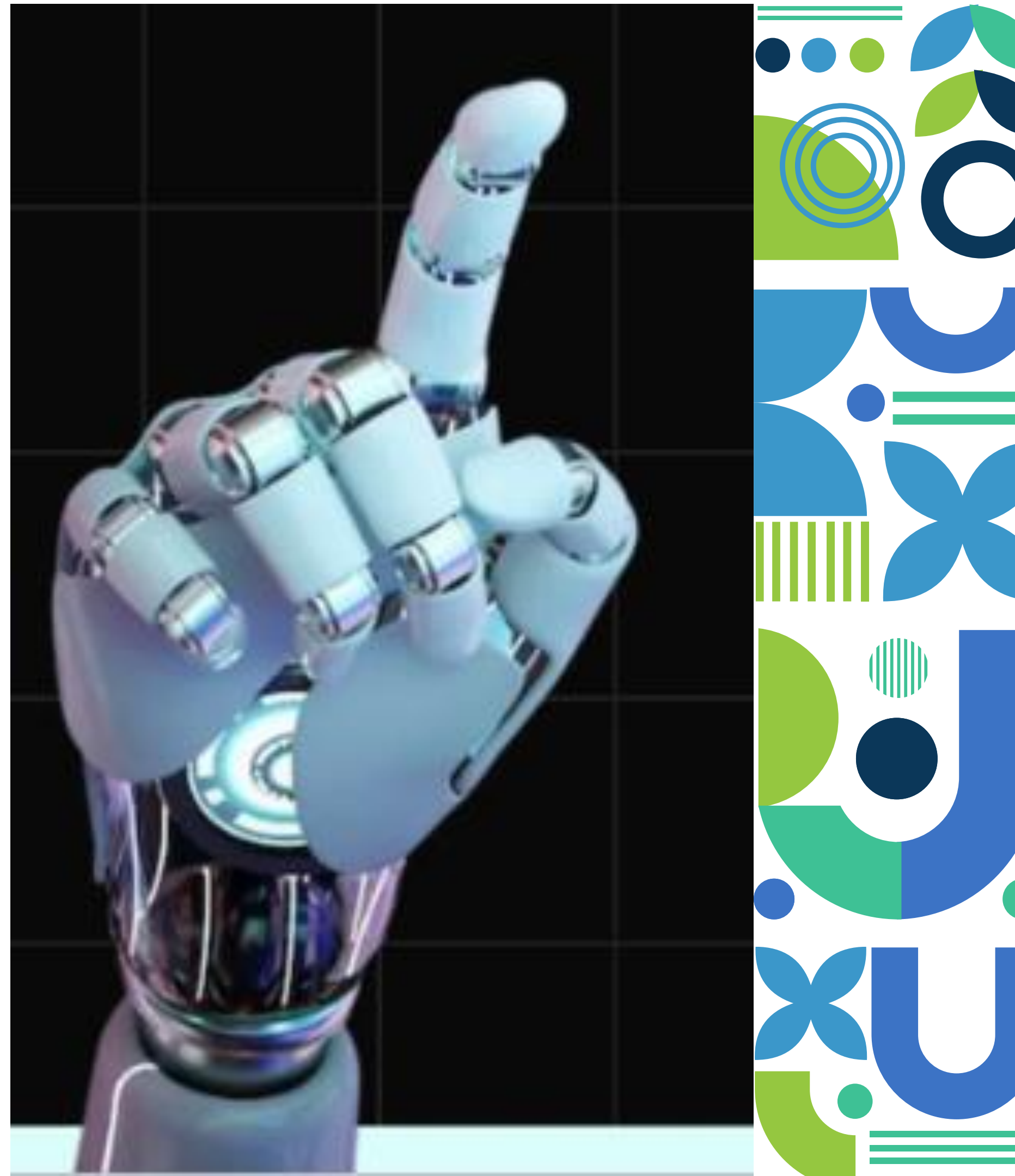
Deep Learning
a machine learning technique in which layers of neural networks are used to process data and make decisions

2020s

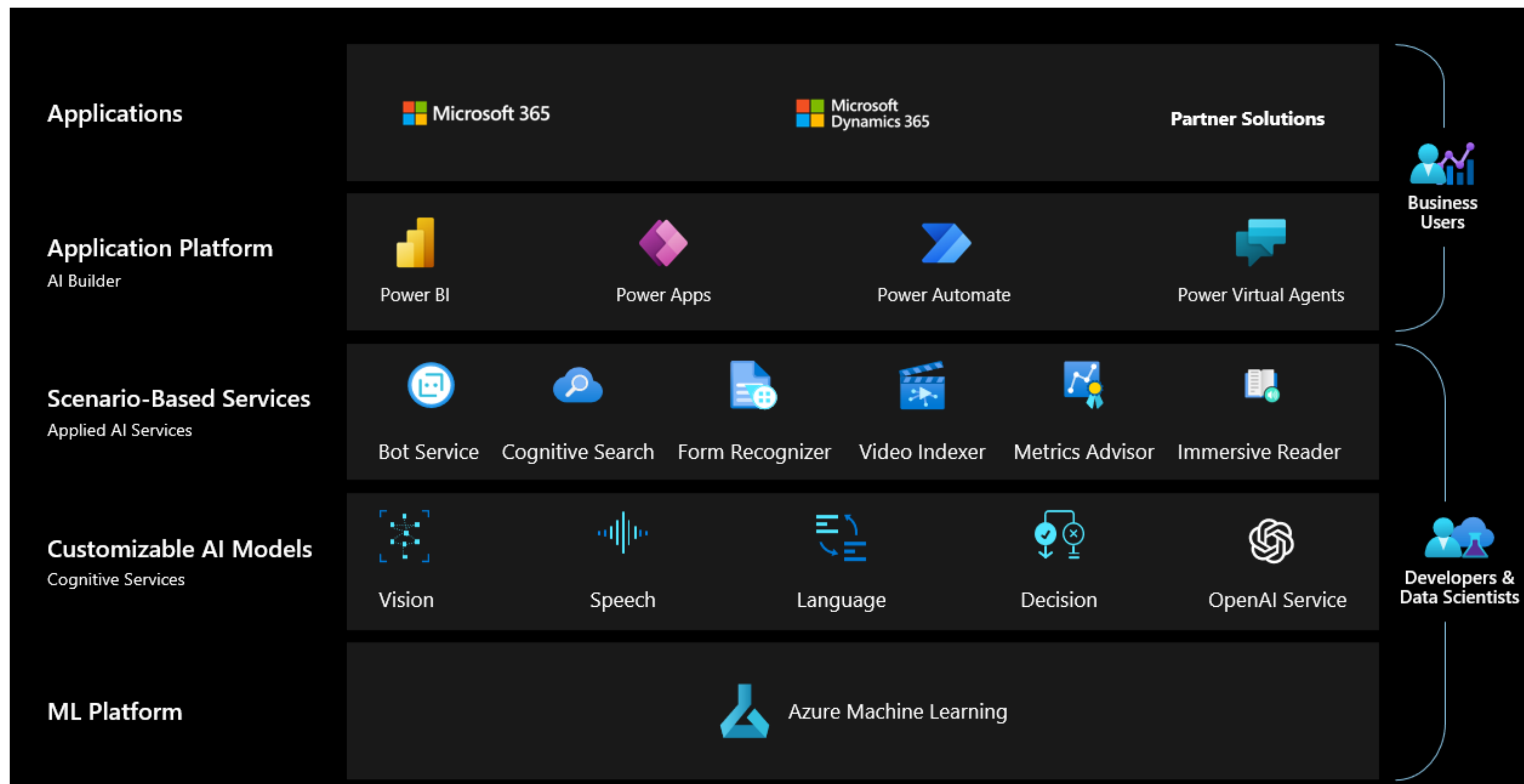
Generative AI
Create new written, visual, and auditory content given prompts or existing data.

What is open AI

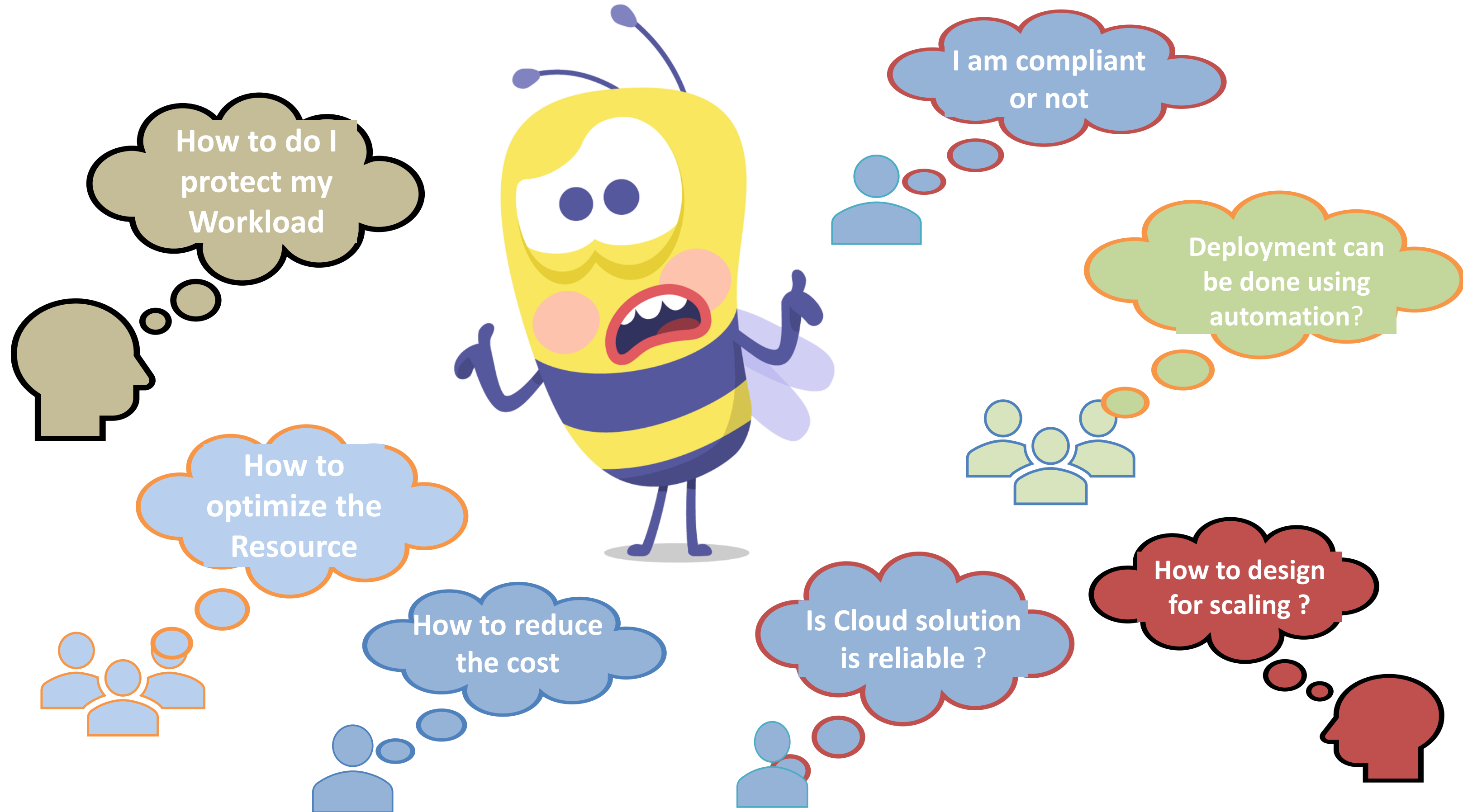
Azure OpenAI Service provides REST API access to OpenAI's powerful language models including o1-preview, o1-mini, GPT-4o, GPT-4o mini, GPT-4 Turbo with Vision, GPT-4, GPT-3.5-Turbo, and Embeddings model series. These models can be easily adapted to your specific task including but not limited to content generation, summarization, image understanding, semantic search, and natural language to code translation.



Azure Open AI- Integration

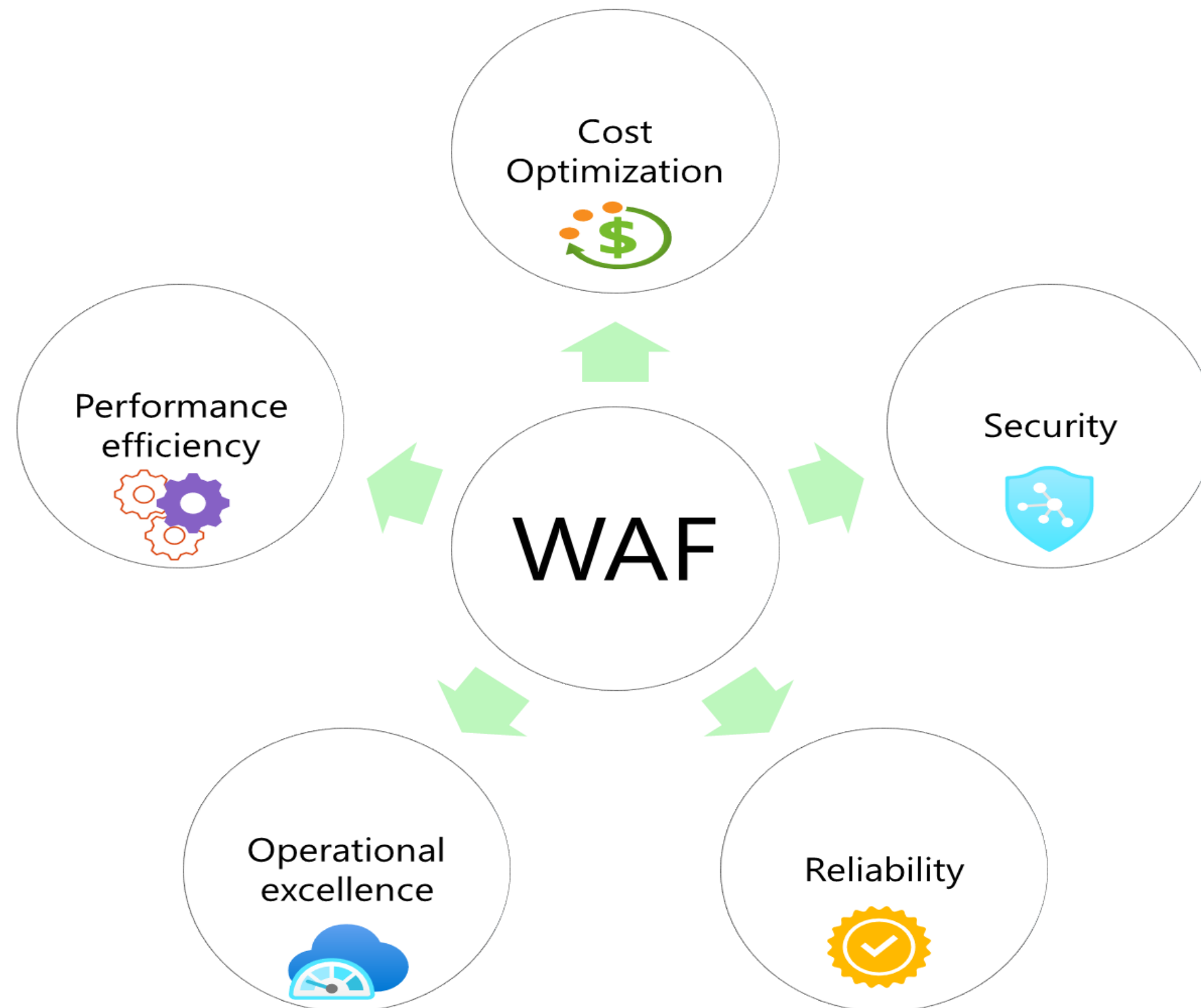


Why Well Architect Framework





Importance of the WAF in AI Solution Design



Why AI Security is IMPORTANT



USD 4.88M

The global average cost of a data breach in 2024—a 10% increase over last year and the highest total ever.

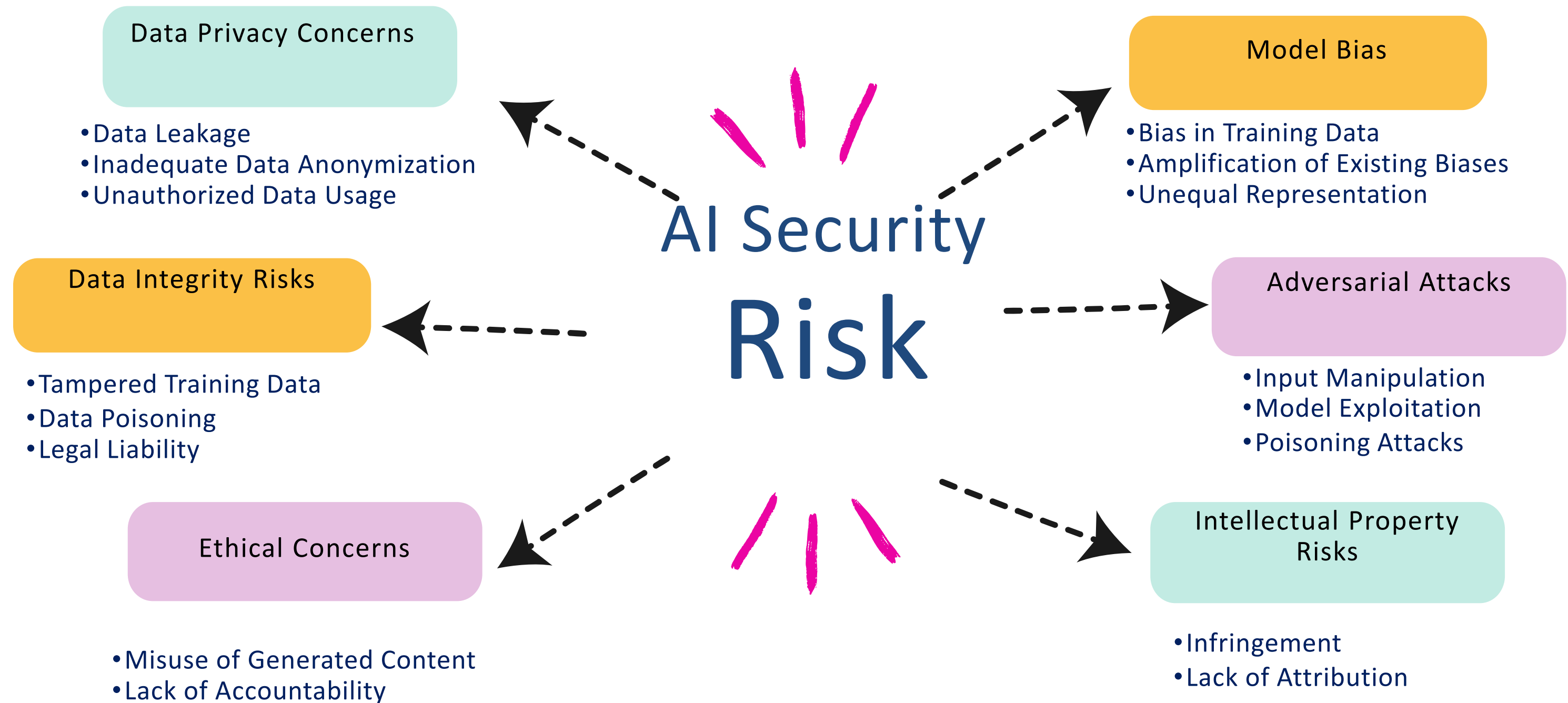
1 in 3

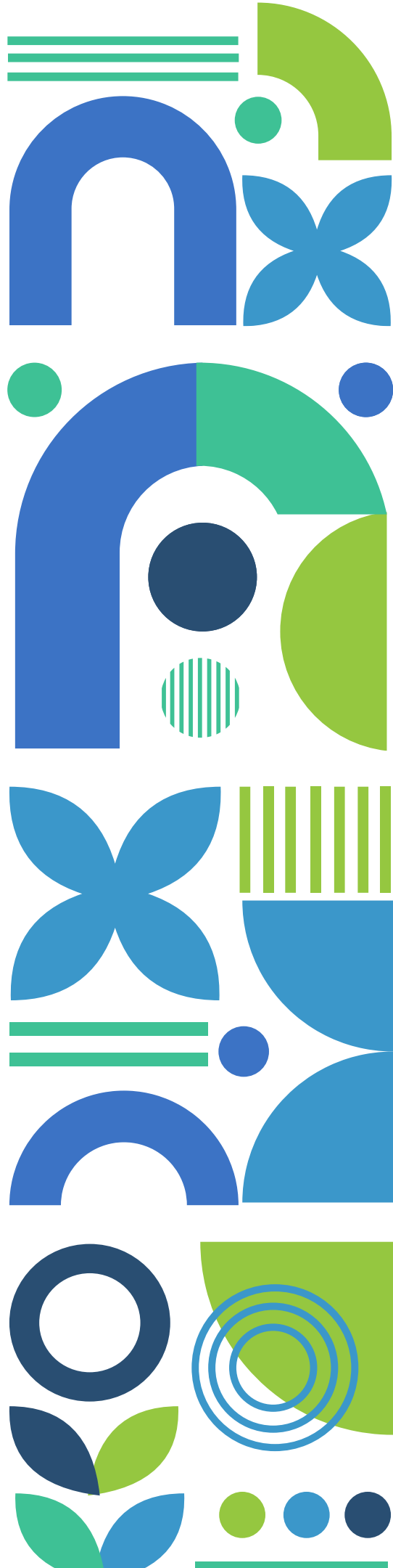
Share of breaches that involved shadow data, showing the proliferation of data is making it harder to track and safeguard.

USD 2.22M

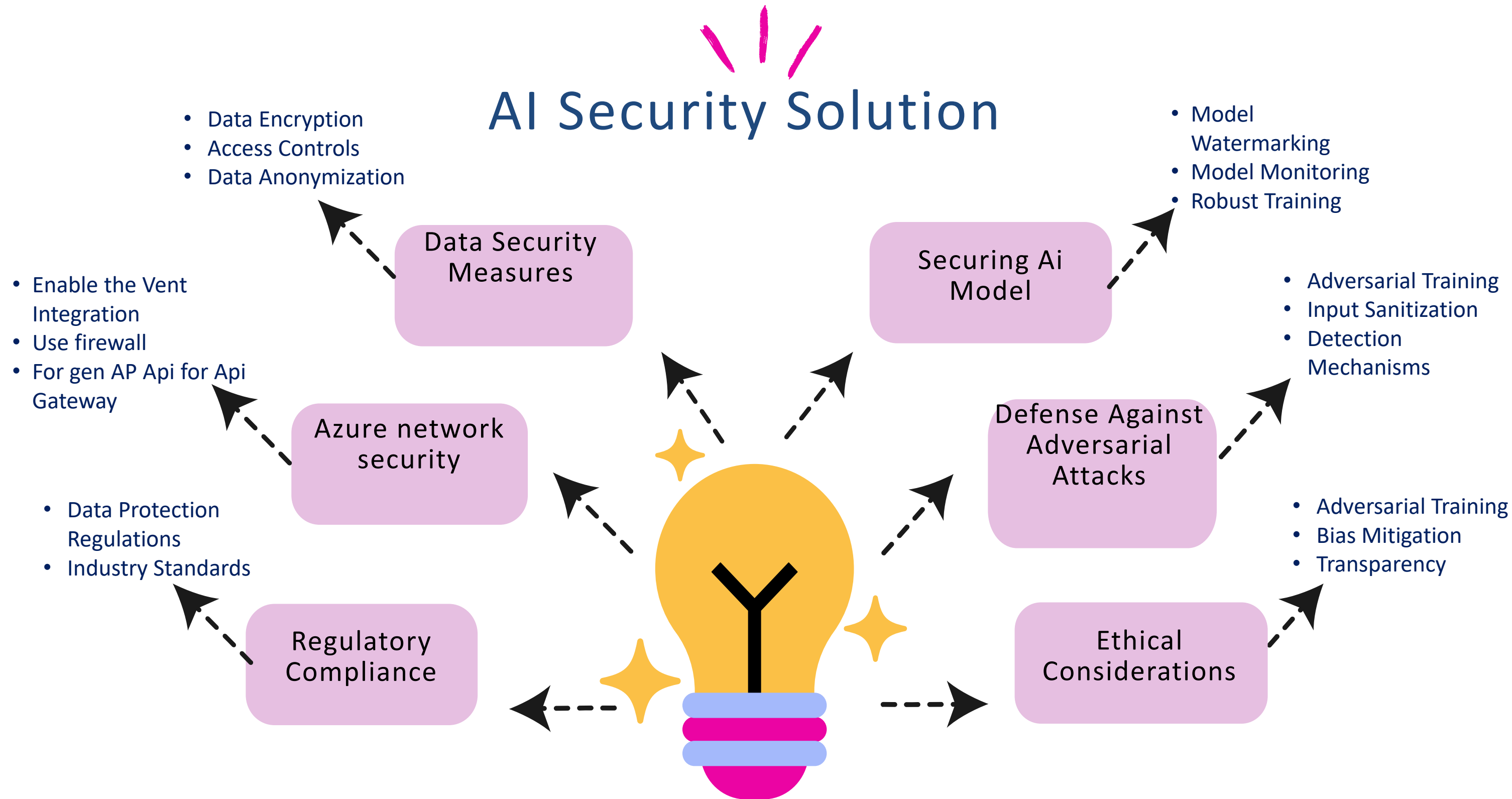
The average cost savings in million for organizations that used security AI and automation extensively in prevention versus those that didn't.

Potential Security Risk Associated with AI

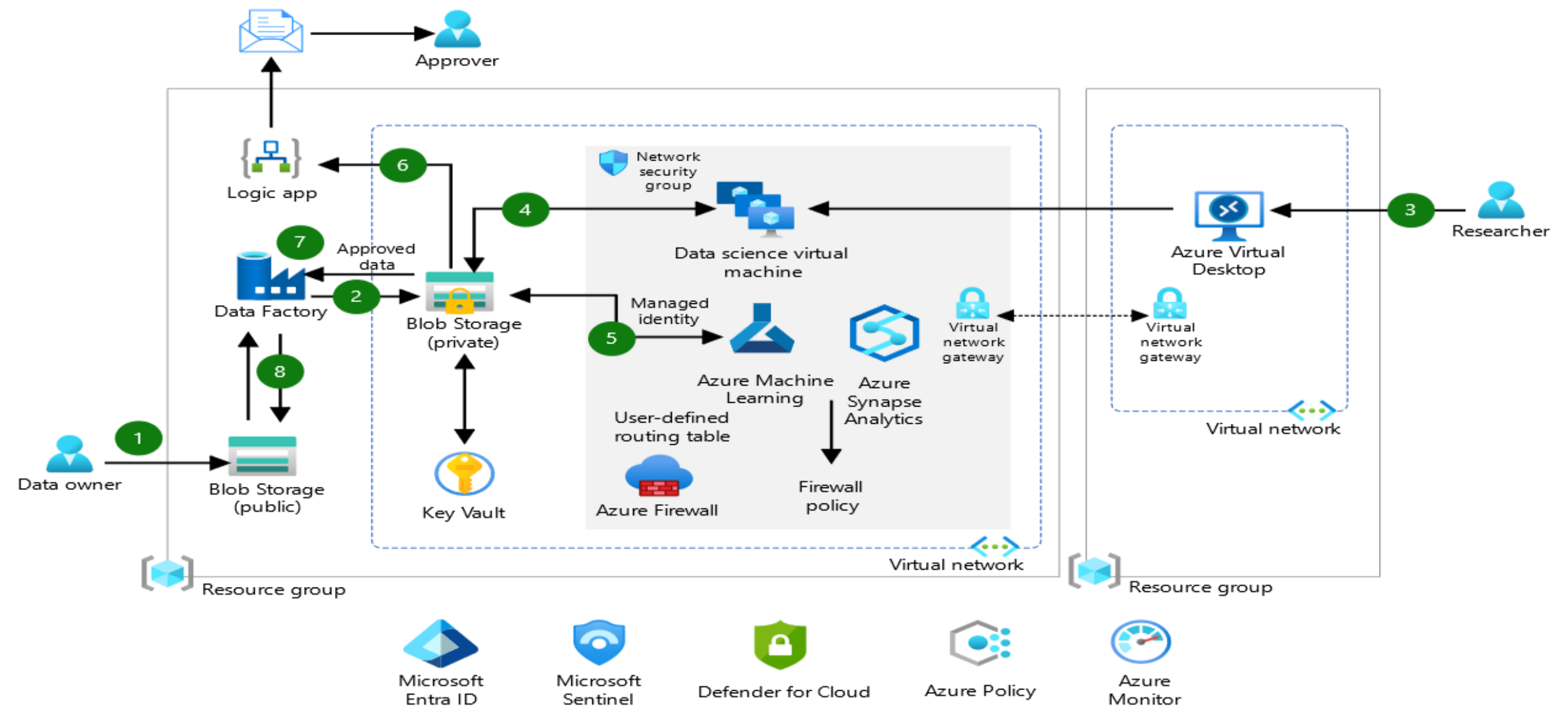


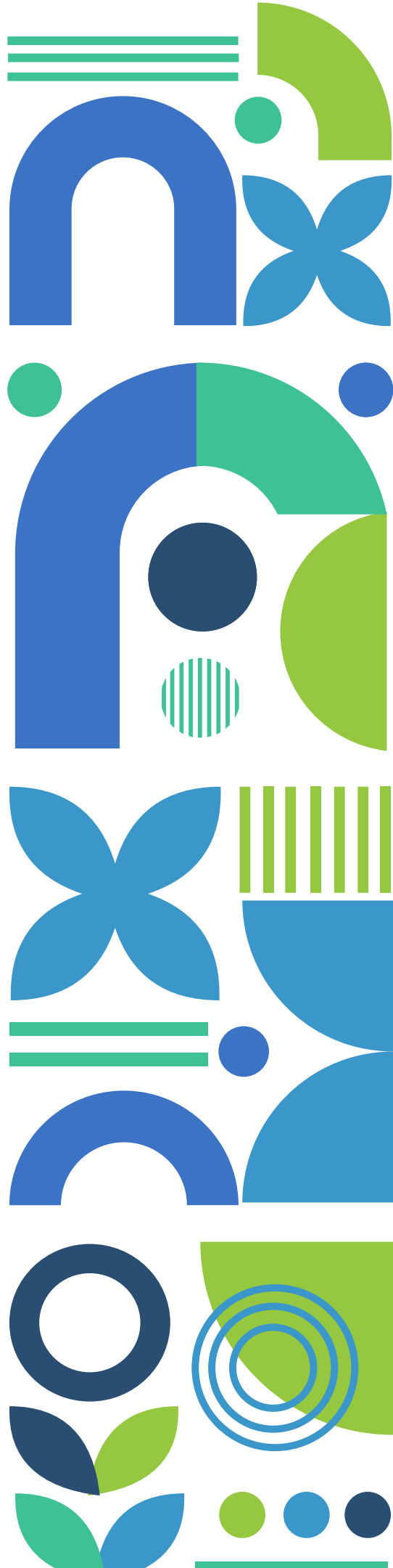


AI Security Solution

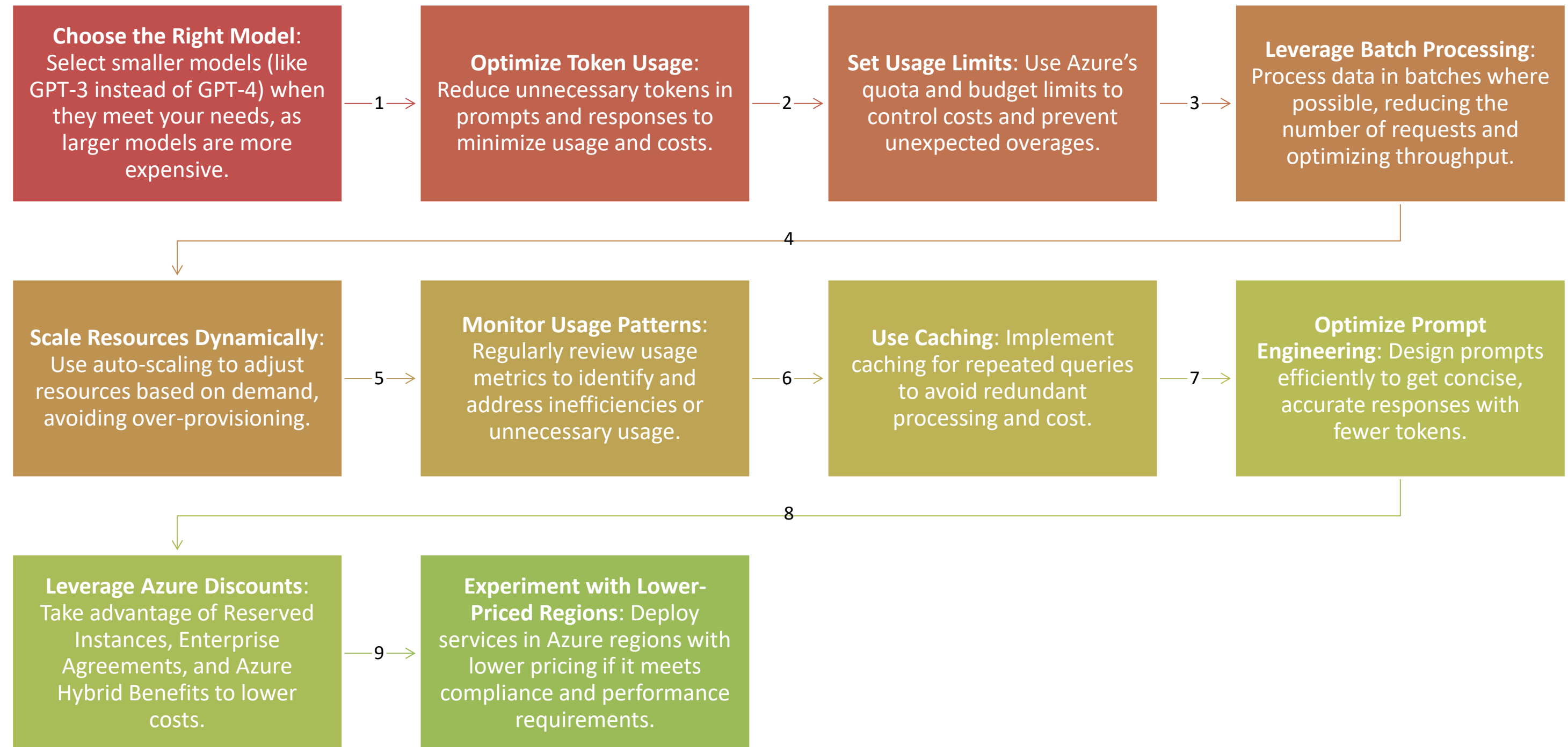


Secure research for regulated data



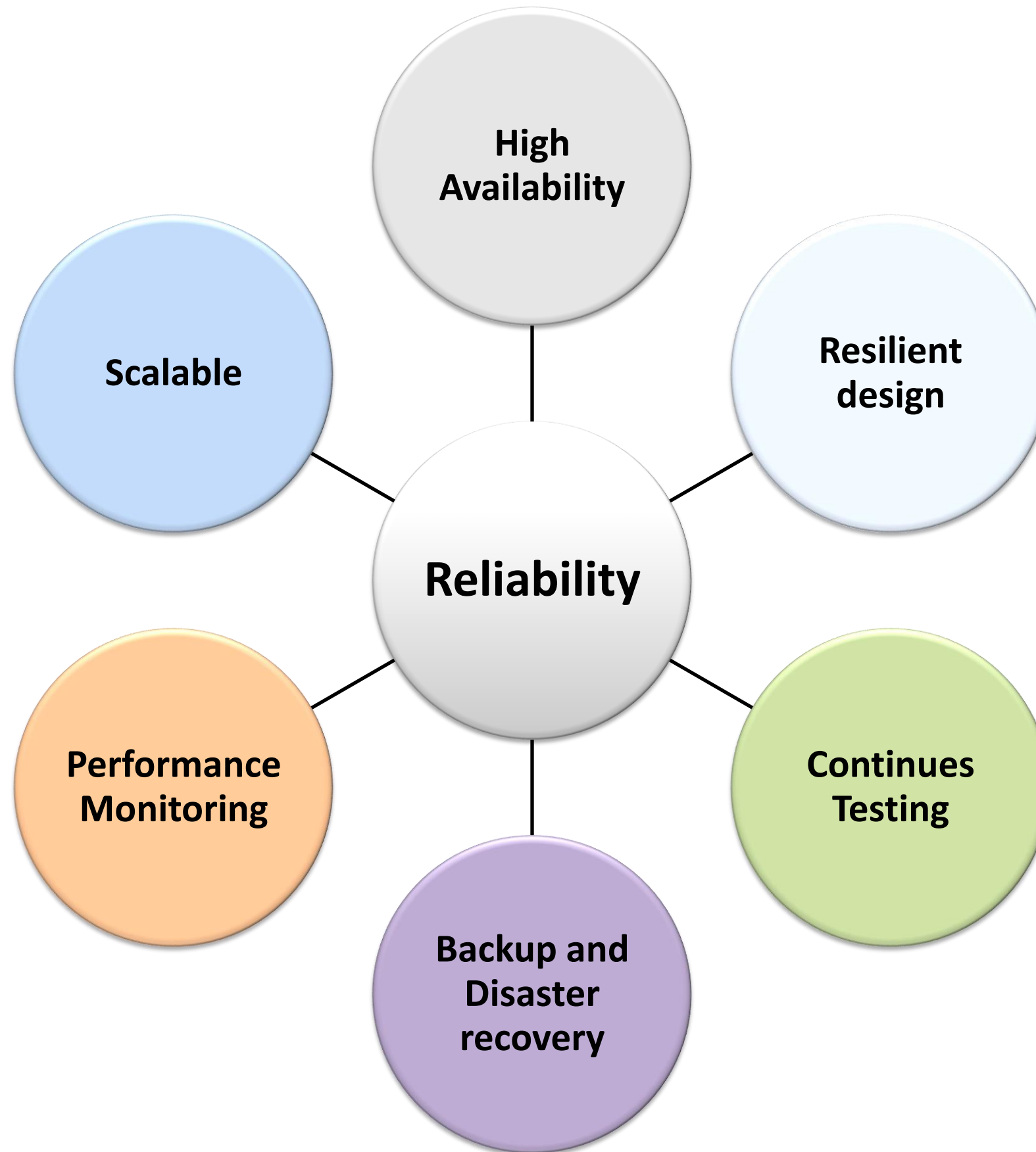


Azure Open AI Cost Optimization

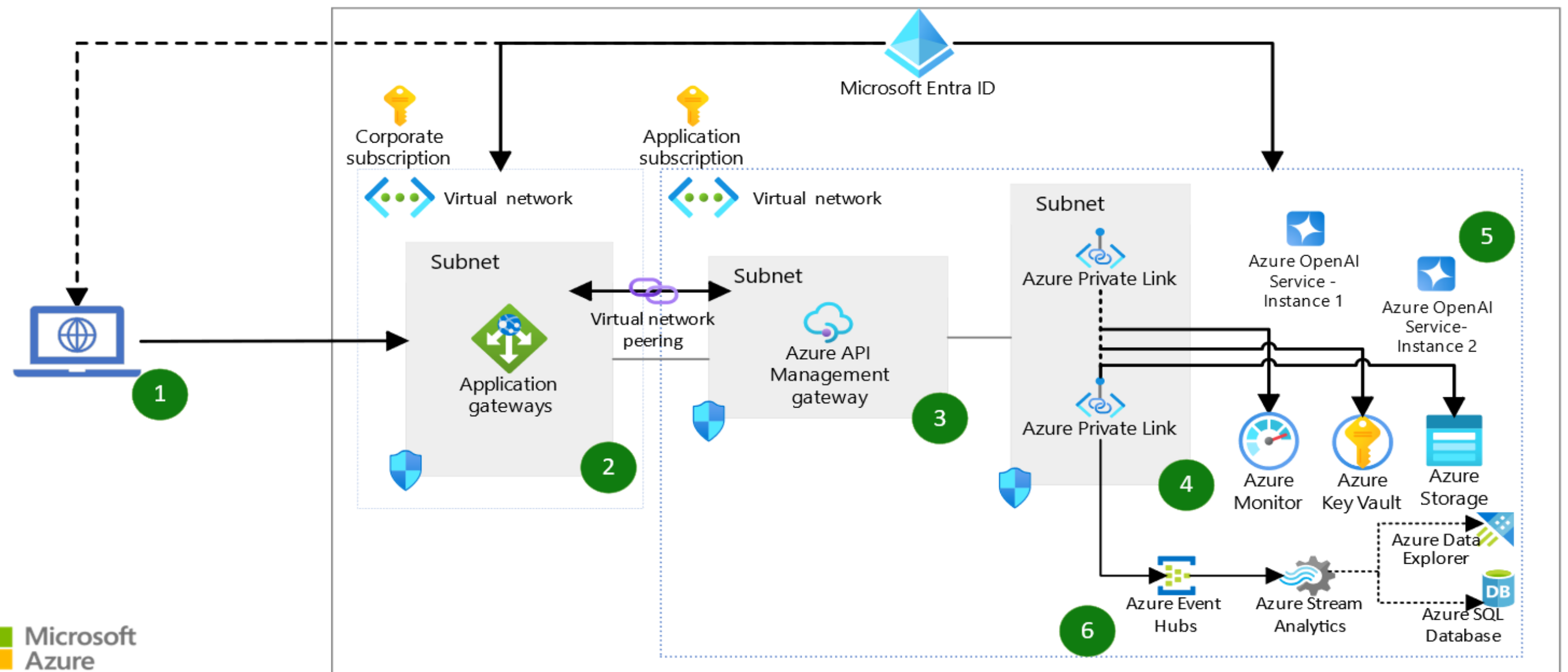




WAF-Solution For Reliability



Monitoring for Azure OpenAI models





WAF Solution-Operation Excellence





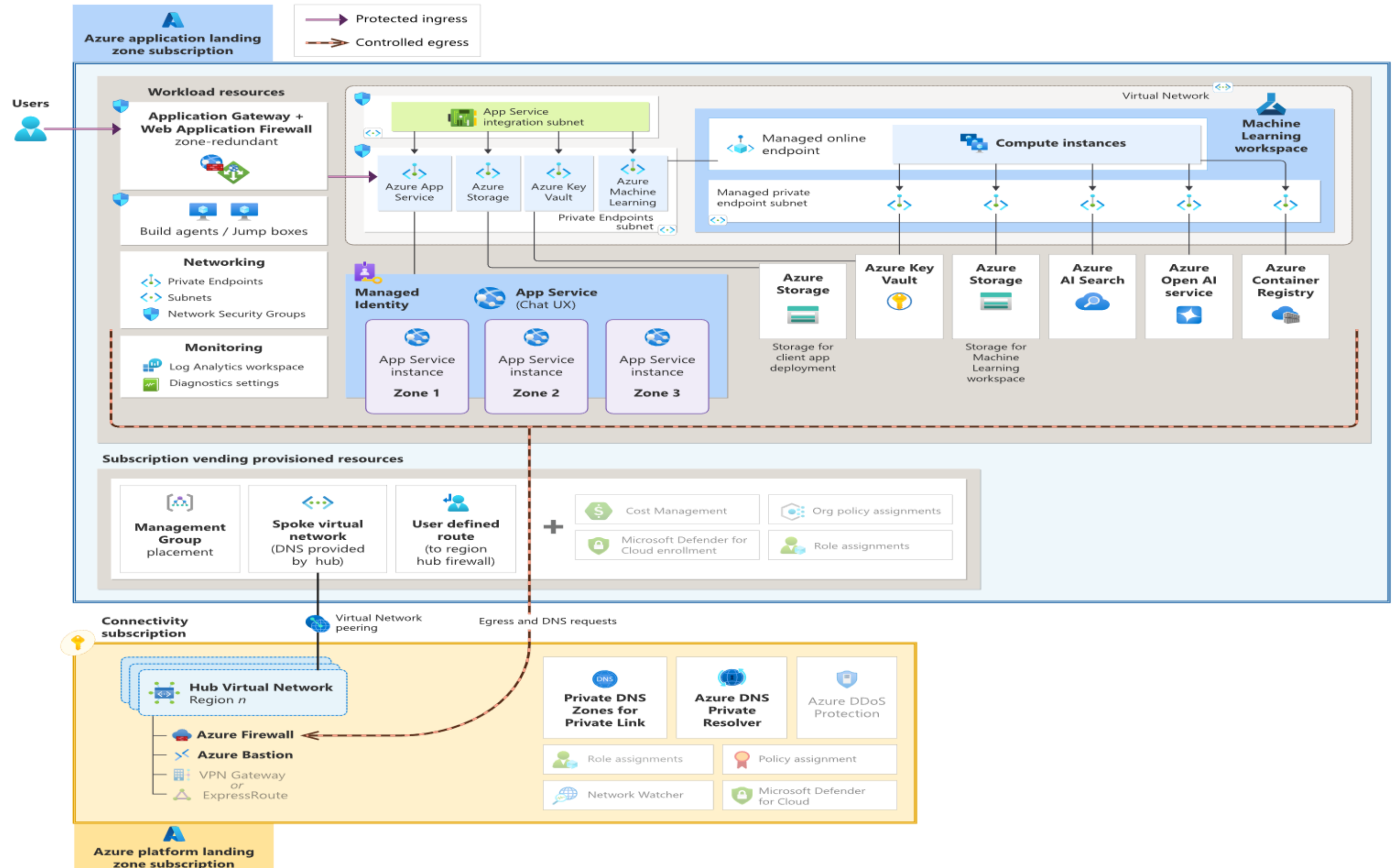
Autoscaling

Parallel Processing

Efficient Query Design

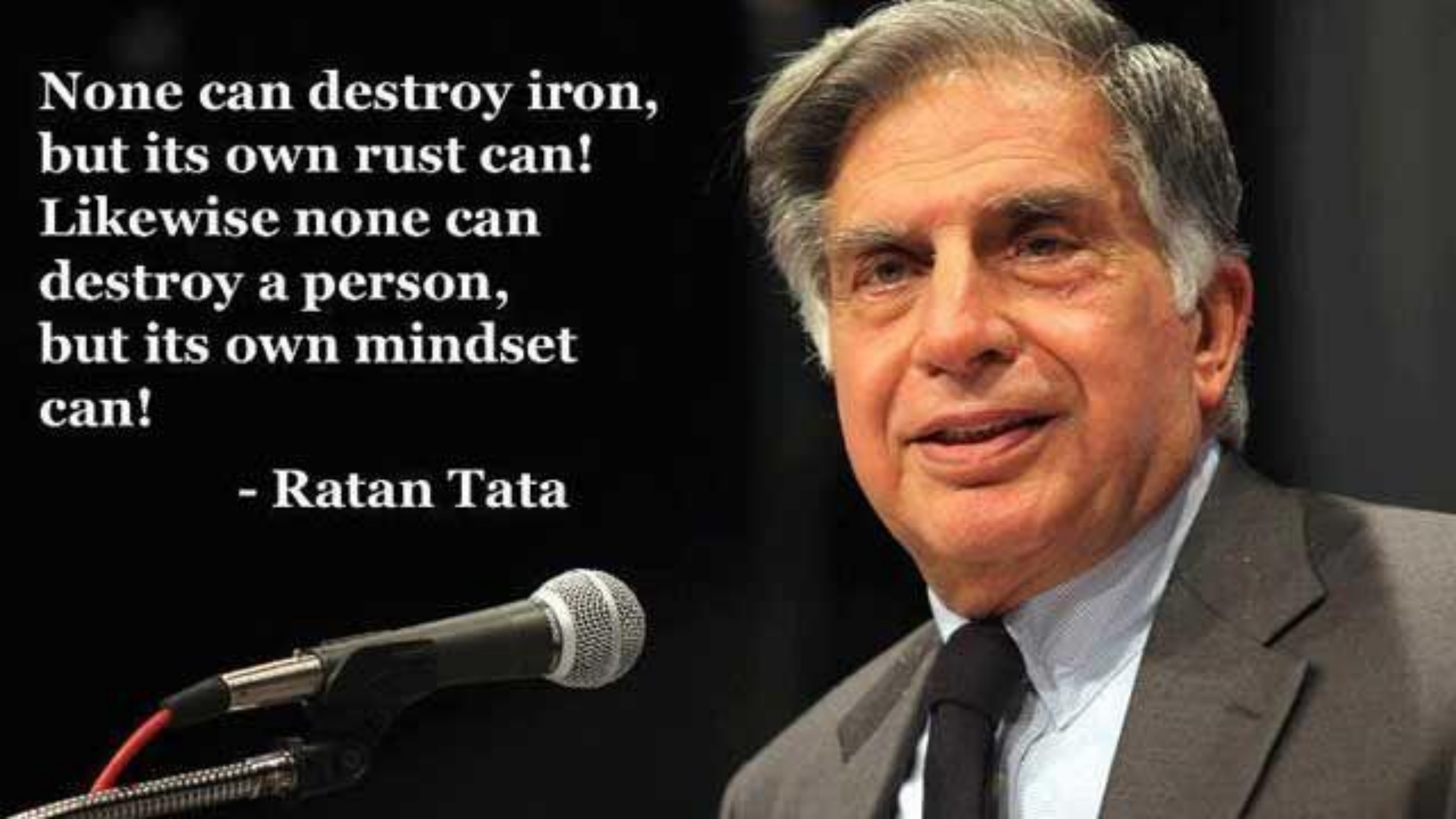
Optimize AI Model usage

Azure Open AI Landing Zone



**None can destroy iron,
but its own rust can!
Likewise none can
destroy a person,
but its own mindset
can!**

- Ratan Tata





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y/FEAxy034tnWMO65As)





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THANK YOU!

Lalit Rawat

Let's build a Secure and Reliable Azure Open AI
Solution

