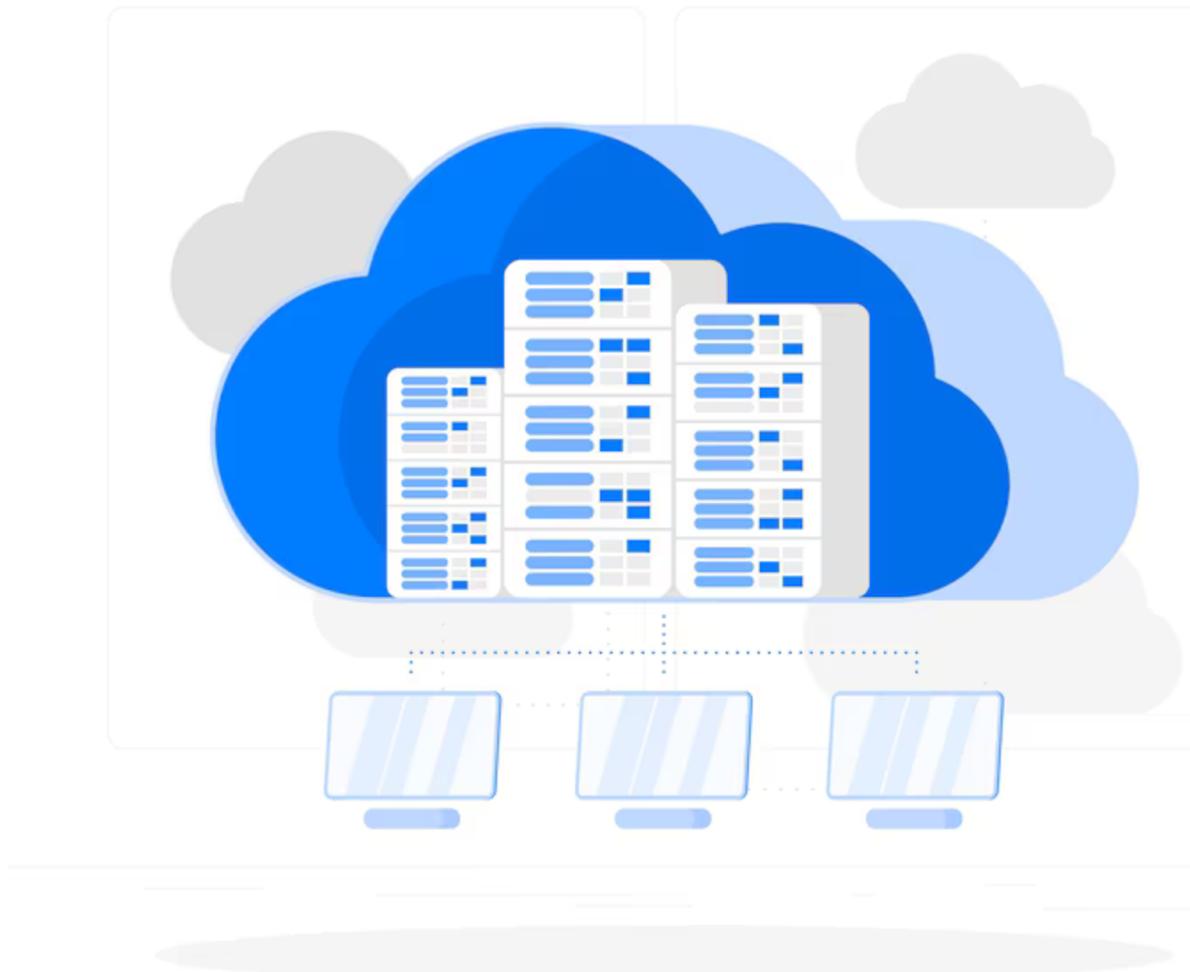


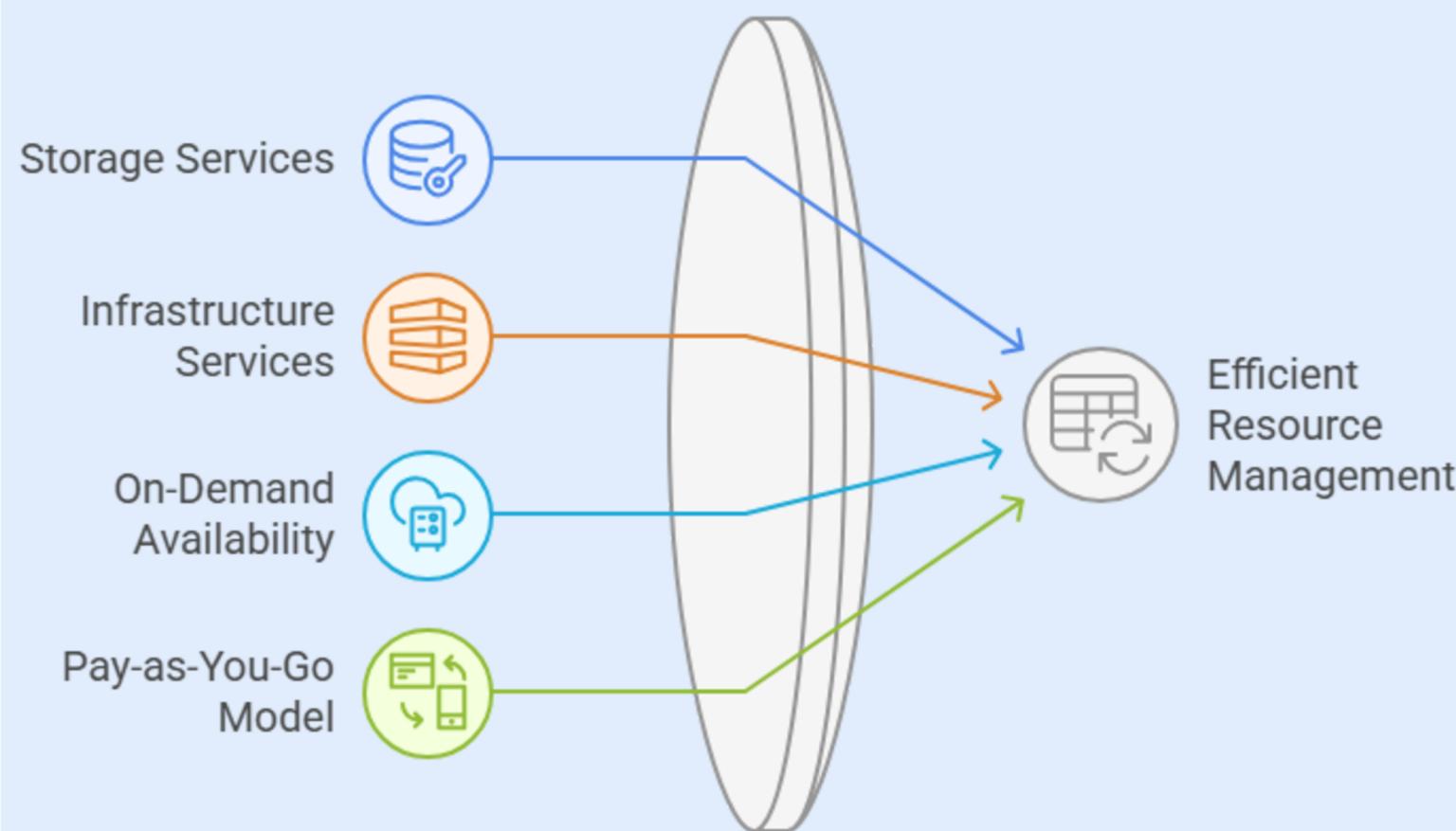
# CLOUD ARCHITECTURE AND DEPLOYMENT

## Overview, Components, and Deployment Models



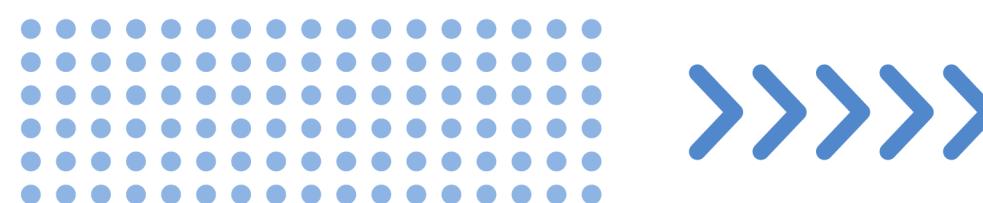


## Cloud Computing Efficiency



# Introduction

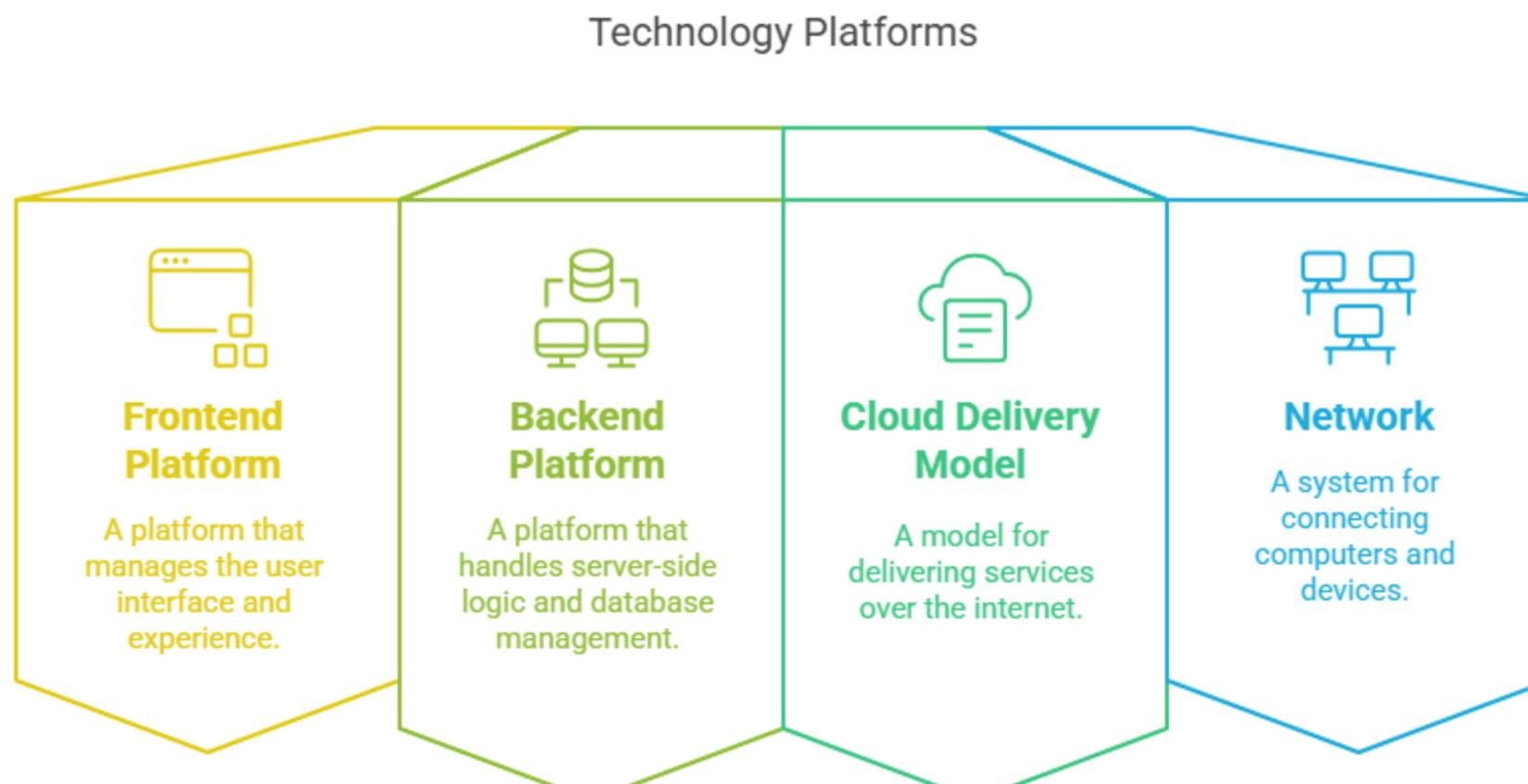
**Cloud computing is the on-demand availability of computing resources (such as storage and infrastructure), as services over the internet. It eliminates the need for individuals and businesses to self-manage physical resources themselves, and only pay for what they use.**



# CLOUD ARCHITECTURE



Cloud architecture consists of interconnected platforms and services working together to deliver computing resources over the internet. Below is a visual representation.



## Core Components of Cloud Architecture

Frontend: User-facing interface

Backend: Logic, processing, database

Delivery Model: SaaS/PaaS/IaaS

Network: Communication layer



# CLOUD DEPLOYMENT MODELS

Cloud deployment models define how cloud services are delivered and managed. They vary in terms of control, privacy, and infrastructure setup.



## Public Cloud

**Services offered over the internet to multiple users (e.g., AWS, Azure). Scalable & cost-effective.**



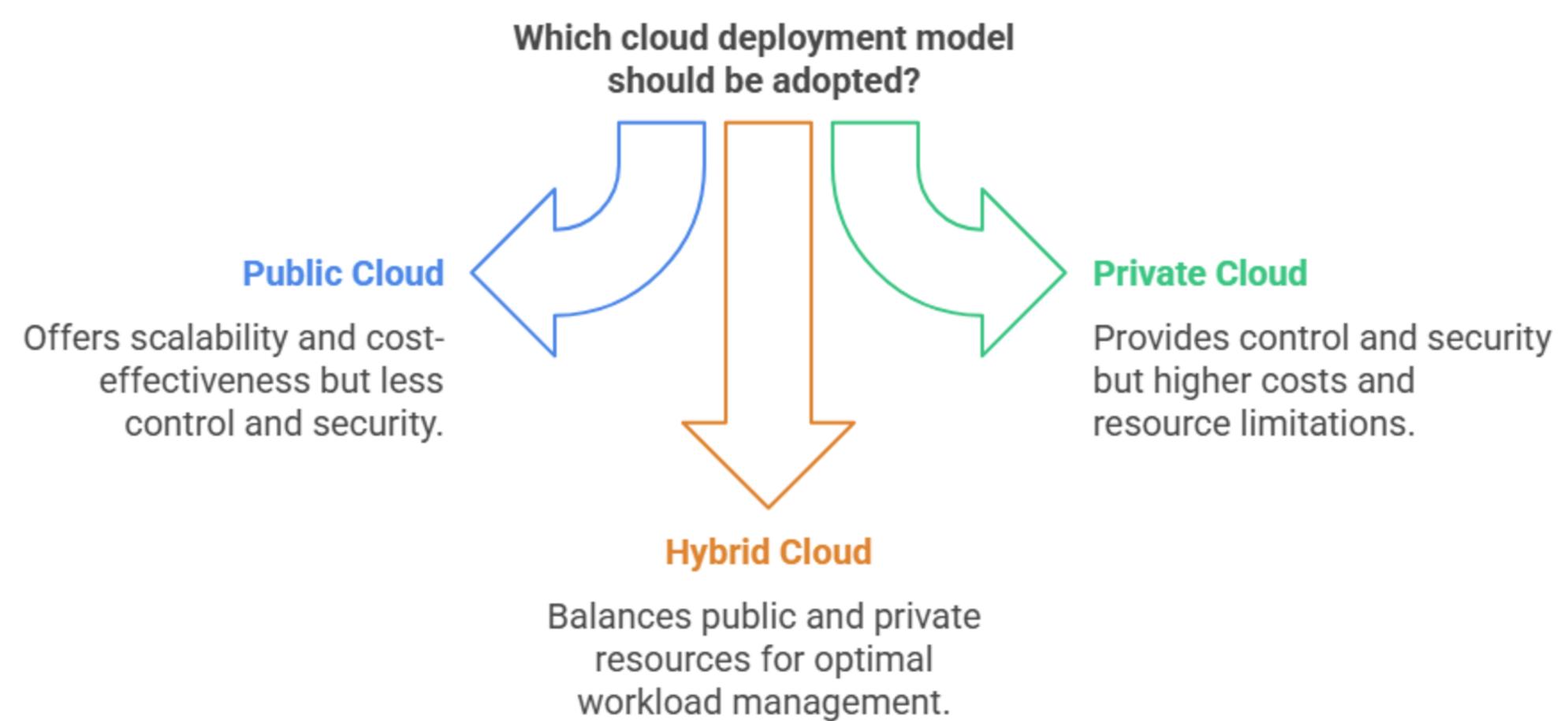
## Private Cloud

**Dedicated to a single organization. More control & security.**



## Hybrid Cloud

**Mix of public + private. Balance of flexibility and data privacy.**





# Conclusion

The melting of the Arctic ice is a sobering warning of the impacts of climate change. If drastic action is not taken soon, the climate crisis will worsen the world as a whole. Despite the enormous challenges, there is still hope to protect the Arctic and slow the impacts of climate change through a concerted global effort.





# THANK YOU!



**Prepared By**

Faezah Patel - 2405112070035

Dhruv Shah - 2405112070051

Ankita Dhakad - 2405112070006