

PROJECT DESIGN PHASE-2

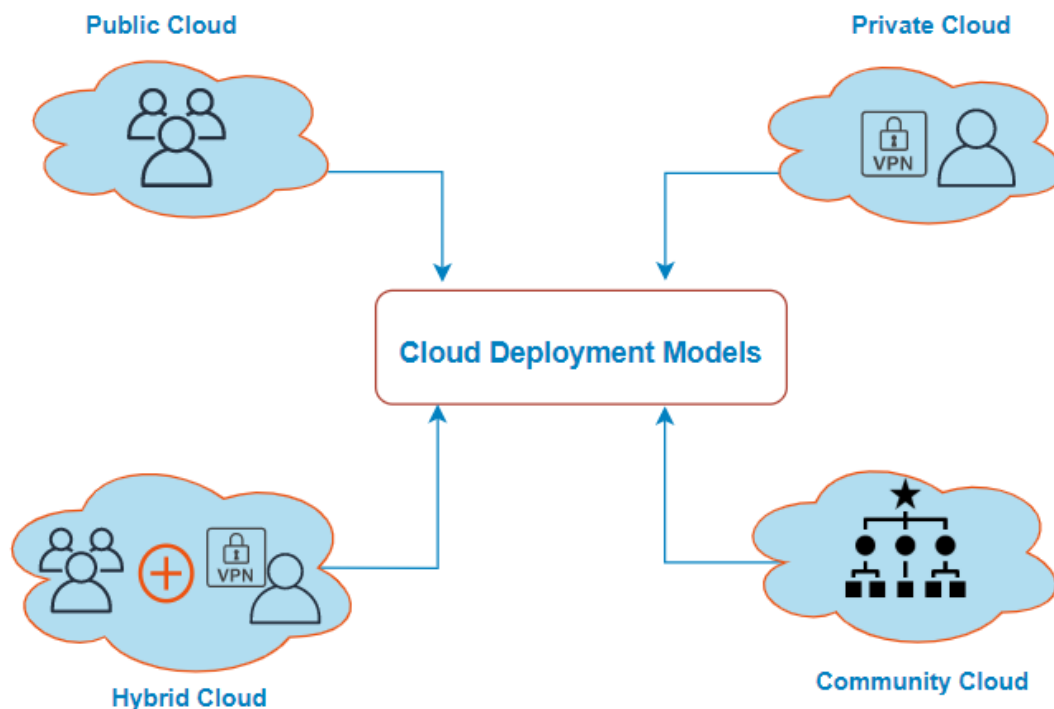
CLOUD DEPLOYMENT

TEAM ID	NM2023TMID02721
PROJECT NAME	To Create a Reel Design using Canva
DATE	03-11-2023

Instagram, a leading social media platform, relies on a sophisticated cloud deployment infrastructure to deliver its services to millions of users worldwide. While precise details are not publicly disclosed, it's possible to outline the key elements of their cloud deployment strategy.

Instagram likely employs a cloud service provider, such as Facebook's extensive infrastructure, to host its services. Load balancers evenly distribute incoming traffic across multiple server instances, ensuring resource efficiency and handling traffic surges. A Content Delivery Network (CDN) helps serve media content quickly by minimizing latency.

Distributed storage solutions and databases are used for user data and media, while caching optimizes performance by storing frequently accessed data. A microservices architecture enables scalable, independent development and deployment of various features.



Canva, the graphic design platform, likely employs a major cloud service provider, uses load balancing, distributed storage, Content Delivery Networks, and microservices. Auto-scaling optimizes resource usage, and security measures protect user data. Real-time monitoring and analytics tools are essential for performance tracking and issue resolution. While specific details are not publicly disclosed, these general cloud deployment principles align with industry standards and practices. Canva's infrastructure may evolve over time to adapt to changing demands and technologies.

