strategy-notes

Pod Update Strategy Notes RollingUpdate Default Deployment strategy in Kubernetes. Replaces Pods gradually. Use when zero/low downtime is needed. Key knobs: `maxSurge`, `maxUnavailable`. Recreate Terminates all old Pods before creating new Pods. Causes a short downtime window. Useful for apps that cannot run old/new versions together. Blue/Green Two full environments: Blue (current), Green (new). Traffic switches by Service selector change. Fast rollback by switching selector back. Needs extra capacity while both versions exist. Canary Send a small portion of traffic to new version first. In this project, traffic share is approximated by replica ratio. Observe behavior, then promote gradually or rollback quickly. For precise traffic percentages, use ingress/service mesh controls.