Canary Update Strategy

The **canary** update strategy is a **partial update process** that allows you to <u>test</u> your **new program version** on a real **userbase** without a commitment to a **full rollout.**

In **canary** update strategy, the Deployment **creates a few new Pods** while keeping **most Pods on the previous version**, usually at a **1:4 ratio**.
Most users still use the previous version, but a small subset **unknowingly use the new version** to act as **testers**.

If **no bugs** were detected from this subset, we can **scale up** the **updated ReplicaSet** to produce a full rollout. If a **bug is detected**, we can easily **rollback** the **few updated Pods** until the bug is fixed.