**1. ReplicaSets → No versioning!**

* A ReplicaSet **just keeps a number of Pods alive**.
* If you change the pod template → it **does not** create a new ReplicaSet.
* If you want a new version, you **have to create another ReplicaSet manually**.
* **NO rollout history**, NO rollback.

Used mainly **internally** by Deployments (you usually don't create them manually).

**2. StatefulSets → Manual / Limited versioning**

* **Rolling Update Strategy** is available for StatefulSets.
* Pods are updated **one by one**, respecting **order** (0 → 1 → 2).
* Example:

spec:

updateStrategy:

type: RollingUpdate

* But there’s **no automatic rollback history** like Deployment.
* If update fails, you have to **manually fix** and **recreate** StatefulSet or Pods.

**3. DaemonSets → Manual / Limited versioning**

* DaemonSets now **support rolling updates** too!
* Example:

spec:

updateStrategy:

type: RollingUpdate

But again: **no version history**, no simple rollback.

* If rollout fails, you manually **revert** DaemonSet to old config.

**So only Deployments natively give:**

| **Feature** | **Deployment** | **StatefulSet** | **DaemonSet** | **ReplicaSet** |
| --- | --- | --- | --- | --- |
| Rollout History | ✅ | ❌ | ❌ | ❌ |
| Rollback Easily | ✅ | ❌ (manual) | ❌ (manual) | ❌ |
| Rolling Updates | ✅ | ✅ | ✅ | ❌ |
| Version Management | ✅ | ❌ | ❌ | ❌ |