

# Rolling Update Deployment

The rolling update deployment is the **default deployment strategy** in Kubernetes. It **replaces pods, one by one**, of the **previous version** of our application with pods of the **new version without** any cluster **downtime**.

The **advantage** of the rolling update strategy is that the **update** is applied **Pod-by-Pod** so the greater **system can remain active**.

There is a **minor performance reduction** during this update process because the system is consistently **one active Pod short** of the **desired number of Pods**.

