

# DevOps

## Day 4

**Date:** 20.03.2025

**Topics Covered:** yaml file, deployment using Jenkins

### Jenkins

**Deployment using Jenkins from git in local:**

apiVersion: apps/v1

kind: Deployment

metadata:

name: my-deploy

labels:

name: my-deploy

spec:

replicas: 1

selector:

matchLabels:

apptype: web-backend

strategy:

type: RollingUpdate

template:

metadata:

labels:

apptype: web-backend

spec:

containers:

- name: my-web

image: sanchaym/simplewebapp:latest

ports:

- containerPort: 9001

---

apiVersion: v1

kind: Service

metadata:

name: my-service

labels:

app: my-service

spec:

type: NodePort

ports:

- port: 9001

targetPort: 8080

nodePort: 30005

selector:

apptype: web-backend

### Commands:

- Configure deployment.yml to github
- Pushing the war project Image to Docker Hub
- Deploying the image with minikube

minikube start

minikube status

kubectl apply -f deployment.yml --validate=false