

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: gift-service
  labels:
    app: gift-service
    project: gift-service
    tier: backend
spec:
  replicas: 1 # From source_2
  selector:
    matchLabels:
      app: gift-service
  template:
    metadata:
      labels:
        app: gift-service
        project: gift-service
        tier: backend
    spec:
      containers:
        - name: api-gateway
          image: sk124590/api-gateway:2.1 # From source_8
          ports:
            - containerPort: 8080 # From source_8
          env:
            - name: SERVICE_USER_URI
              valueFrom:
                configMapKeyRef:
                  name: gift-config
                  key: SERVICE_USER_URI
            - name: SERVICE_PRODUCT_URI
              valueFrom:
                configMapKeyRef:
                  name: gift-config
                  key: SERVICE_PRODUCT_URI
            - name: SERVICE_WISH_URI
              valueFrom:
                configMapKeyRef:
                  name: gift-config
                  key: SERVICE_WISH_URI
            - name: SERVICE_ORDER_URI
              valueFrom:
                configMapKeyRef:
                  name: gift-config
                  key: SERVICE_ORDER_URI
            - name: JWT_SECRET
              valueFrom:
                secretKeyRef:
                  name: gift-secret
                  key: JWT_SECRET
      resources:
```

```
    requests:
      cpu: "100m"
      memory: "256Mi"
    limits:
      cpu: "500m"
      memory: "512Mi"
- name: user-service
  image: sk124590/user-service:2.1 # From source_5
  ports:
    - containerPort: 8084 # From source_5
  env:
    - name: JWT_SECRET
      valueFrom:
        secretKeyRef:
          name: gift-secret
          key: JWT_SECRET
    - name: KAKAO_CLIENT_ID
      valueFrom:
        secretKeyRef:
          name: gift-secret
          key: KAKAO_CLIENT_ID
    - name: KAKAO_CLIENT_SECRET
      valueFrom:
        secretKeyRef:
          name: gift-secret
          key: KAKAO_CLIENT_SECRET
    - name: KAKAO_REDIRECT_URI
      valueFrom:
        configMapKeyRef:
          name: gift-config
          key: KAKAO_REDIRECT_URI
  resources:
    requests:
      cpu: "100m"
      memory: "512Mi"
    limits:
      cpu: "500m"
      memory: "1Gi"
- name: product-service
  image: sk124590/product-service:2.1 # From source_7
  ports:
    - containerPort: 8081 # From source_7
  resources:
    requests:
      cpu: "150m"
      memory: "512Mi"
    limits:
      cpu: "1000m"
      memory: "1Gi"
- name: wish-service
  image: sk124590/wish-service:2.1 # From source_9
  ports:
    - containerPort: 8082 # From source_9
  env:
```

```
- name: SERVICE_PRODUCT_URI
  valueFrom:
    configMapKeyRef:
      name: gift-config
      key: SERVICE_PRODUCT_URI
resources:
  requests:
    cpu: "100m"
    memory: "512Mi"
  limits:
    cpu: "700m"
    memory: "1Gi"
- name: order-service
  image: sk124590/order-service:2.1 # From source_4
  ports:
    - containerPort: 8083 # From source_4
  env:
    - name: SERVICE_PRODUCT_URI
      valueFrom:
        configMapKeyRef:
          name: gift-config
          key: SERVICE_PRODUCT_URI
    - name: SERVICE_WISH_URI
      valueFrom:
        configMapKeyRef:
          name: gift-config
          key: SERVICE_WISH_URI
    - name: SERVICE_USER_URI
      valueFrom:
        configMapKeyRef:
          name: gift-config
          key: SERVICE_USER_URI
    - name: FRONT_DOMAIN
      valueFrom:
        configMapKeyRef:
          name: gift-config
          key: FRONT_DOMAIN
    - name: KAKAO_CLIENT_ID
      valueFrom:
        secretKeyRef:
          name: gift-secret
          key: KAKAO_CLIENT_ID
    - name: KAKAO_CLIENT_SECRET
      valueFrom:
        secretKeyRef:
          name: gift-secret
          key: KAKAO_CLIENT_SECRET
resources:
  requests:
    cpu: "100m"
    memory: "512Mi"
  limits:
    cpu: "700m"
    memory: "1Gi"
```

```
---
apiVersion: v1
kind: Service
metadata:
  name: api-gateway-svc
  labels:
    app: api-gateway
    project: gift-service
    tier: backend
spec:
  type: ClusterIP
  ports:
    - port: 8080
      targetPort: 8080
  selector:
    app: api-gateway
---
apiVersion: v1
kind: Service
metadata:
  name: user-service-svc
  labels:
    app: user-service
    project: gift-service
    tier: backend
spec:
  type: ClusterIP
  ports:
    - port: 8084
      targetPort: 8084
  selector:
    app: user-service
---
apiVersion: v1
kind: Service
metadata:
  name: product-service-svc
  labels:
    app: product-service
    project: gift-service
    tier: backend
spec:
  type: ClusterIP
  ports:
    - port: 8081
      targetPort: 8081
  selector:
    app: product-service
---
apiVersion: v1
kind: Service
metadata:
  name: wish-service-svc
  labels:
```

```
    app: wish-service
    project: gift-service
    tier: backend
spec:
  type: ClusterIP
  ports:
    - port: 8082
      targetPort: 8082
  selector:
    app: wish-service
---
apiVersion: v1
kind: Service
metadata:
  name: order-service-svc
  labels:
    app: order-service
    project: gift-service
    tier: backend
spec:
  type: ClusterIP
  ports:
    - port: 8083
      targetPort: 8083
  selector:
    app: order-service
---
apiVersion: v1
kind: Service
metadata:
  name: gift-app-svc
  labels:
    app: gift-app
    project: gift-service
    tier: frontend
spec:
  type: LoadBalancer
  ports:
    - port: 8080 # External port
      targetPort: 8085 # Internal container port
  selector:
    app: gift-app
```

YAML 위치와 내용	참조된 Source	비고
gift-service.Deployment.spec.replicas = 1	source_2	order-service와 gift-app까지 포함된 MSA 정의 문서에서 gift-service의 복제 수가 1로 정의됨

YAML 위치와 내용	참조된 Source	비고
gift-service.Deployment.spec.template.spec.containers[api-gateway].image = sk124590/api-gateway:2.1	source_5	api-gateway 컨테이너 이미지와 버전 정보 정의
gift-service.Deployment.spec.template.spec.containers[api-gateway].ports[0].containerPort = 8080	source_5	api-gateway 서비스 포트 정의
gift-service.Deployment.spec.template.spec.containers[user-service].image = sk124590/user-service:2.1	source_6	user-service 컨테이너 이미지와 버전 정보 정의
gift-service.Deployment.spec.template.spec.containers[user-service].ports[0].containerPort = 8084	source_6	user-service 서비스 포트 정의
gift-service.Deployment.spec.template.spec.containers[product-service].image = sk124590/product-service:2.1	source_8	product-service 컨테이너 이미지와 버전 정보 정의
gift-service.Deployment.spec.template.spec.containers[product-service].ports[0].containerPort = 8081	source_8	product-service 서비스 포트 정의
gift-service.Deployment.spec.template.spec.containers[wish-service].image = sk124590/wish-service:2.1	source_9	wish-service 컨테이너 이미지와 버전 정보 정의
gift-service.Deployment.spec.template.spec.containers[wish-service].ports[0].containerPort = 8082	source_9	wish-service 서비스 포트 정의
gift-service.Deployment.spec.template.spec.containers[order-service].image = sk124590/order-service:2.1	source_10	order-service 컨테이너 이미지와 버전 정보 정의
gift-service.Deployment.spec.template.spec.containers[order-service].ports[0].containerPort = 8083	source_10	order-service 서비스 포트 정의