

```

apiVersion: v1
kind: Secret
metadata:
  name: gift-secret
  labels:
    app: gift-service
    project: gift-service
    tier: backend
# 민감 정보를 Base64로 인코딩하여 data 필드에 저장
data:
  JWT_SECRET: WW4ya2ppYmRkRkFXdG5QSjJBRmxMOFdYbW9oSk1DdmInUWdnYUV5cGE1RT0=
  KAKAO_CLIENT_ID: YWMyMGQ4NGY5N2I2NzlmMGJiZDlhODA2NWJhODIzZjM=
  KAKAO_CLIENT_SECRET: RnczSmIMNVBrcGV2WFZaOU9pVk04YmZiZ0hVUEQ1RUE=
---
apiVersion: v1
kind: ConfigMap
metadata:
  name: gift-config
  labels:
    app: gift-service
    project: gift-service
    tier: backend
# 구성 변수 저장
data:
  API_GATEWAY_URI: http://api-gateway-svc:8080
  SERVICE_USER_URI: http://user-service-svc:8084
  SERVICE_PRODUCT_URI: http://product-service-svc:8081
  SERVICE_WISH_URI: http://wish-service-svc:8082
  SERVICE_ORDER_URI: http://order-service-svc:8083
  KAKAO_REDIRECT_URI: http://localhost:8080/members/login/oauth2/code/kakao
  FRONT_DOMAIN: http://localhost:8080
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: api-gateway
  labels:
    app: api-gateway
    project: gift-service
    tier: backend
spec:
  replicas: 1
# 리소스 요청 및 한계 설정
template:
  metadata:
    labels:
      app: api-gateway
  spec:
    containers:
      - name: api-gateway
        image: sk124590/api-gateway:2.1
        ports:

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      - containerPort: 8080
    resources:
      requests:
        cpu: "100m"
        memory: "256Mi"
      limits:
        cpu: "500m"
        memory: "512Mi"
    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
  ---
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: apps/v1
kind: Deployment
metadata:

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name: user-service
labels:
  app: user-service
  project: gift-service
  tier: backend
spec:
  replicas: 1
  template:
    metadata:
      labels:
        app: user-service
    spec:
      containers:
        - name: user-service
          image: sk124590/user-service:2.1
          ports:
            - containerPort: 8084
          resources:
            requests:
              cpu: "150m"
              memory: "512Mi"
            limits:
              cpu: "1000m"
              memory: "1Gi"
          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
      ---
apiVersion: v1
kind: Service
metadata:
  name: user-service-svc
  labels:
    app: user-service
    project: gift-service
    tier: backend

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spec:
  type: ClusterIP
  ports:
    - port: 8084
      targetPort: 8084
  selector:
    app: user-service
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: product-service
  labels:
    app: product-service
    project: gift-service
    tier: backend
spec:
  replicas: 1
  template:
    metadata:
      labels:
        app: product-service
    spec:
      containers:
        - name: product-service
          image: sk124590/product-service:2.1
          ports:
            - containerPort: 8081
          resources:
            requests:
              cpu: "150m"
              memory: "512Mi"
            limits:
              cpu: "1000m"
              memory: "1Gi"
---
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: apps/v1
kind: Deployment

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metadata:
  name: wish-service
  labels:
    app: wish-service
    project: gift-service
    tier: backend
spec:
  replicas: 1
  template:
    metadata:
      labels:
        app: wish-service
    spec:
      containers:
        - name: wish-service
          image: sk124590/wish-service:2.1
          ports:
            - containerPort: 8082
          resources:
            requests:
              cpu: "100m"
              memory: "512Mi"
            limits:
              cpu: "700m"
              memory: "1Gi"
          env:
            - name: SERVICE_PRODUCT_URI
              valueFrom:
                configMapKeyRef:
                  name: gift-config
                  key: SERVICE_PRODUCT_URI
---
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: apps/v1
kind: Deployment
metadata:
  name: order-service
  labels:
    app: order-service

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```
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: apps/v1
kind: Deployment
metadata:
  name: gift-app
  labels:
    app: gift-app
    project: gift-service
    tier: frontend
spec:
  replicas: 1
  template:
    metadata:
      labels:
        app: gift-app
    spec:
      containers:
        - name: gift-app
          image: sk124590/gift-app:2.1
          ports:
            - containerPort: 8085
          resources:
            requests:
              cpu: "100m"
              memory: "512Mi"
            limits:
              cpu: "500m"
              memory: "1Gi"
      env:
        - name: API_GATEWAY_URI
          valueFrom:
            configMapKeyRef:
              name: gift-config
              key: API_GATEWAY_URI
        - name: KAKAO_REDIRECT_URI
          valueFrom:
            configMapKeyRef:
              name: gift-config
              key: KAKAO_REDIRECT_URI
        - name: JWT_SECRET
```

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      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
---
apiVersion: v1
kind: Service
metadata:
  name: gift-app-svc
  labels:
    app: gift-app
    project: gift-service
    tier: frontend
spec:
  type: LoadBalancer
  ports:
    - port: 8080
      targetPort: 8085
  selector:
    app: gift-app

```

YAML 위치와 내용 참조된 Source 비교

비고: Deployment에 selector 필드가 빠짐. data도 metadata 하위로 들어감