```yaml
apiVersion: v1
kind: Secret
metadata:
 name: gift-secret
 labels:
   app: gift-service
   project: gift-service
   tier: backend
 # Secret resource containing sensitive data
 data:
   JWT_SECRET: WW4ya2ppYmRkRkFXdG5QSjJBRmxMOFdYbW9oSk1DdmlnUWdnYUV5cGE1RT0=
   KAKAO_CLIENT_ID: YWMyMGQ4NGY5N2I2NzlmMGJiZDlhODA2NWJhODIzZjM=
   KAKAO_CLIENT_SECRET: RnczSmlMNVBrcGV2WFZaOU9pVk04YmZiZ0hVUEQ1RUE=
---
apiVersion: v1
kind: ConfigMap
metadata:
 name: gift-config
 labels:
   app: gift-service
   project: gift-service
   tier: backend
 # ConfigMap resource containing non-sensitive configuration
 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
 selector:
   matchLabels:
     app: api-gateway
 template:
   metadata:
     labels:
       app: api-gateway
   spec:
     containers:
       - name: api-gateway
```

```yaml
        image: sk124590/api-gateway:2.1
        ports:
        - containerPort: 8080
        resources:
          requests:
            cpu: "100m"
            memory: "256Mi"
          limits:
            cpu: "500m"
            memory: "512Mi"
        envFrom:
        - configMapRef:
            name: gift-config
        - secretRef:
            name: gift-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:
 name: user-service
 labels:
   app: user-service
   project: gift-service
   tier: backend
spec:
 replicas: 1
 selector:
   matchLabels:
     app: user-service
 template:
   metadata:
     labels:
       app: user-service
   spec:
     containers:
     - name: user-service
       image: sk124590/user-service:2.1
       ports:
```

```yaml
        - containerPort: 8084
        resources:
          requests:
            cpu: "150m"
            memory: "512Mi"
          limits:
            cpu: "1000m"
            memory: "1Gi"
        envFrom:
        - configMapRef:
            name: gift-config
        - secretRef:
            name: gift-secret
---
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: apps/v1
kind: Deployment
metadata:
 name: product-service
 labels:
   app: product-service
   project: gift-service
   tier: backend
spec:
 replicas: 1
 selector:
   matchLabels:
     app: product-service
 template:
   metadata:
     labels:
       app: product-service
   spec:
     containers:
     - name: product-service
       image: sk124590/product-service:2.1
       ports:
       - containerPort: 8081
       resources:
```

```yaml
        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
metadata:
 name: wish-service
 labels:
   app: wish-service
   project: gift-service
   tier: backend
spec:
 replicas: 1
 selector:
   matchLabels:
     app: wish-service
 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"
       envFrom:
```

```yaml
        - configMapRef:
            name: gift-config
---
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
   project: gift-service
   tier: backend
spec:
 replicas: 1
 selector:
   matchLabels:
     app: order-service
 template:
   metadata:
     labels:
       app: order-service
   spec:
     containers:
     - name: order-service
       image: sk124590/order-service:2.1
       ports:
       - containerPort: 8083
       resources:
         requests:
           cpu: "100m"
           memory: "512Mi"
         limits:
           cpu: "700m"
           memory: "1Gi"
       envFrom:
       - configMapRef:
           name: gift-config
       - secretRef:
           name: gift-secret
```

```yaml
---
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: apps/v1
kind: Deployment
metadata:
 name: gift-app
 labels:
   app: gift-app
   project: gift-service
   tier: frontend
spec:
 replicas: 1
 selector:
   matchLabels:
     app: gift-app
 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"
       envFrom:
       - configMapRef:
           name: gift-config
       - secretRef:
           name: gift-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	비고
—	—	제공된 YAML에는 `# From source_X` 형식의 주석이 없어 매핑할 항목이 없습니다.

특징: configMap과 Secret에서 data필드가 metadata의 하위 필드로 들어감. 이러면 안되고 최상위 필드로 나와야 함. data 필드만 최상위 필드로 빼주니 배포 다 되고, 모든 서비스도 정상 동작함.