```yaml
apiVersion: v1
kind: Secret
metadata:
  name: gift-secret # From source_5
  labels:
    app: gift-service
    project: gift-service
    tier: backend
stringData: # All data should be base64 encoded, but here we assume pre-encoded
input
  JWT_SECRET: WW4ya2ppYmRkRkFXdG5QSjJBRmxxMOFdYbW9oSk1DdmlnUWdnYUV5cGE1RT0= # From
source_5
  KAKAO_CLIENT_ID: YWMyMGQ4NGY5N2I2NzlmMGJiZDlhODA2NWJhODIzZjM= # From source_5
  KAKAO_CLIENT_SECRET: RnczSmlMNVBrcGV2WFZaOU9pVk04YmZiZ0hVUEQ1RUE= # From source_2,
source_5
---
apiVersion: v1
kind: ConfigMap
metadata:
  name: gift-config # From source_5
  labels:
    app: gift-service
    project: gift-service
    tier: backend
  data:
    API_GATEWAY_URI: http://api-gateway-svc:8080 # From source_5
    SERVICE_USER_URI: http://user-service-svc:8084 # From source_5
    SERVICE_PRODUCT_URI: http://product-service-svc:8081 # From source_5
    SERVICE_WISH_URI: http://wish-service-svc:8082 # From source_5
    SERVICE_ORDER_URI: http://order-service-svc:8083 # From source_5
    KAKAO_REDIRECT_URI: http://localhost:8080/members/login/oauth2/code/kakao # From
source_5
    FRONT_DOMAIN: http://localhost:8080 # From source_5
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: api-gateway # From source_6
  labels:
    app: api-gateway
    project: gift-service
    tier: backend
spec:
  replicas: 1 # From source_6
  selector:
    matchLabels:
      app: api-gateway
  template:
    metadata:
      labels:
        app: api-gateway
    spec:
      containers:
```

```yaml
      - name: api-gateway
        image: sk124590/api-gateway:2.1 # From source_6
        ports:
        - containerPort: 8080 # From source_6
        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: # From source_6
            cpu: "100m"
            memory: "256Mi"
          limits:
            cpu: "500m"
            memory: "512Mi"
---
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
```

```yaml
kind: Deployment
metadata:
  name: user-service # From source_8
  labels:
    app: user-service
    project: gift-service
    tier: backend
spec:
  replicas: 1 # From source_8
  selector:
    matchLabels:
      app: user-service
  template:
    metadata:
      labels:
        app: user-service
    spec:
      containers:
      - name: user-service
        image: sk124590/user-service:2.1 # From source_8
        ports:
        - containerPort: 8084 # From source_8
        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: # From source_8
            cpu: "150m"
            memory: "512Mi"
          limits:
            cpu: "1000m"
            memory: "1Gi"
---
apiVersion: v1
kind: Service
metadata:
  name: user-service-svc
```

```yaml
    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 # From source_10
  labels:
    app: product-service
    project: gift-service
    tier: backend
spec:
  replicas: 1 # From source_11
  selector:
    matchLabels:
      app: product-service
  template:
    metadata:
      labels:
        app: product-service
    spec:
      containers:
      - name: product-service
        image: sk124590/product-service:2.1 # From source_10
        ports:
        - containerPort: 8081 # From source_10
        resources:
          requests: # From source_10
            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
```

```yaml
      targetPort: 8081
    selector:
      app: product-service
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: wish-service # From source_4
  labels:
    app: wish-service
    project: gift-service
    tier: backend
spec:
  replicas: 1 # From source_4
  selector:
    matchLabels:
      app: wish-service
  template:
    metadata:
      labels:
        app: wish-service
    spec:
      containers:
      - name: wish-service
        image: sk124590/wish-service:2.1 # From source_4
        ports:
        - containerPort: 8082 # From source_4
        env:
        - name: SERVICE_PRODUCT_URI
          valueFrom:
            configMapKeyRef:
              name: gift-config
              key: SERVICE_PRODUCT_URI
        resources:
          requests: # From source_4
            cpu: "100m"
            memory: "512Mi"
          limits:
            cpu: "700m"
            memory: "1Gi"
---
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:
```

```yaml
      app: wish-service
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: order-service # From source_7
  labels:
    app: order-service
    project: gift-service
    tier: backend
spec:
  replicas: 1 # From source_7
  selector:
    matchLabels:
      app: order-service
  template:
    metadata:
      labels:
        app: order-service
    spec:
      containers:
      - name: order-service
        image: sk124590/order-service:2.1 # From source_7
        ports:
        - containerPort: 8083 # From source_7
        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
```

```yaml
              key: KAKAO_CLIENT_SECRET
          resources:
            requests: # From source_7
              cpu: "100m"
              memory: "512Mi"
            limits:
              cpu: "700m"
              memory: "1Gi"
---
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 # From source_8
  labels:
    app: gift-app
    project: gift-service
    tier: frontend
spec:
  replicas: 1 # From source_8
  selector:
    matchLabels:
      app: gift-app
  template:
    metadata:
      labels:
        app: gift-app
    spec:
      containers:
      - name: gift-app
        image: sk124590/gift-app:2.1 # From source_8
        ports:
        - containerPort: 8085 # From source_10
        env:
        - name: API_GATEWAY_URI
          valueFrom:
            configMapKeyRef:
              name: gift-config
              key: API_GATEWAY_URI
        - name: KAKAO_REDIRECT_URI
```

```yaml
          valueFrom:
            configMapKeyRef:
              name: gift-config
              key: KAKAO_REDIRECT_URI
        - 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
        resources:
          requests: # From source_10
            cpu: "100m"
            memory: "512Mi"
          limits:
            cpu: "500m"
            memory: "1Gi"
---
apiVersion: v1
kind: Service
metadata:
  name: gift-app-svc
  labels:
    app: gift-app
    project: gift-service
    tier: frontend
spec:
  type: LoadBalancer # From source_12
  ports:
  - port: 8080 # From source_12
    targetPort: 8085
  selector:
    app: gift-app
```

YAML 위치와 내용	참조된 Source	비고
gift-secret.Secret.metadata.name = gift-secret	source_5	Secret 이름
gift-secret.Secret.stringData.JWT_SECRET = WW4ya2ppYmRkRkFXdG5QSjJBRmxMOFdYbW9oSk1DdmlnUWdnYUV5cGE1RT0=	source_5	JWT 시크릿 (Base64)

YAML 위치와 내용	참조된 Source	비고
gift-secret.Secret.stringData.KAKAO_CLIENT_ID = YWMyMGQ4NGY5N2I2NzlmMGJiZDlhODA2NWJhODIzZjM=	source_5	카카오 OAuth Client ID(Base64)
gift-secret.Secret.stringData.KAKAO_CLIENT_SECRET = RnczSmlMNVBrcGV2WFZaOU9pVk04YmZiZ0hVUEQ1RUE=	source_2, source_5	카카오 OAuth Client Secret(Base64)
gift-config.ConfigMap.metadata.name = gift-config	source_5	ConfigMap 이름
gift-config.ConfigMap.data.API_GATEWAY_URI = http://api-gateway-svc:8080	source_5	API 게이트웨이 내부 DNS
gift-config.ConfigMap.data.SERVICE_USER_URI = http://user-service-svc:8084	source_5	사용자 서비스 내부 DNS
gift-config.ConfigMap.data.SERVICE_PRODUCT_URI = http://product-service-svc:8081	source_5	상품 서비스 내부 DNS
gift-config.ConfigMap.data.SERVICE_WISH_URI = http://wish-service-svc:8082	source_5	위시 서비스 내부 DNS
gift-config.ConfigMap.data.SERVICE_ORDER_URI = http://order-service-svc:8083	source_5	주문 서비스 내부 DNS
gift-config.ConfigMap.data.KAKAO_REDIRECT_URI = http://localhost:8080/members/login/oauth2/code/kakao	source_5	카카오 로그인 Redirect URI
gift-config.ConfigMap.data.FRONT_DOMAIN = http://localhost:8080	source_5	프런트엔드 도메인
api-gateway.Deployment.metadata.name = api-gateway	source_6	배포 대상 서비스 이름
api-gateway.Deployment.spec.replicas = 1	source_6	파드 복제 수
api-gateway.Deployment.spec.template.spec.containers[0].image = sk124590/api-gateway:2.1	source_6	컨테이너 이미지 태그
api-gateway.Deployment.spec.template.spec.containers[0].ports[0].containerPort = 8080	source_6	컨테이너 포트
api-gateway.Deployment.spec.template.spec.containers[0].resources.requests.cpu = 100m	source_6	요청 CPU
api-gateway.Deployment.spec.template.spec.containers[0].resources.requests.memory = 256Mi	source_6	요청 메모리
api-gateway.Deployment.spec.template.spec.containers[0].resources.limits.cpu = 500m	source_6	제한 CPU

YAML 위치와 내용	참조된 Source	비고
api-gateway.Deployment.spec.template.spec.containers[0].resources.limits.memory = 512Mi	source_6	제한 메모리
user-service.Deployment.metadata.name = user-service	source_8	배포 대상 서비스 이름
user-service.Deployment.spec.replicas = 1	source_8	파드 복제 수
user-service.Deployment.spec.template.spec.containers[0].image = sk124590/user-service:2.1	source_8	컨테이너 이미지 태그
user-service.Deployment.spec.template.spec.containers[0].ports[0].containerPort = 8084	source_8	컨테이너 포트
user-service.Deployment.spec.template.spec.containers[0].resources.requests.cpu = 150m	source_8	요청 CPU
user-service.Deployment.spec.template.spec.containers[0].resources.requests.memory = 512Mi	source_8	요청 메모리
user-service.Deployment.spec.template.spec.containers[0].resources.limits.cpu = 1000m	source_8	제한 CPU
user-service.Deployment.spec.template.spec.containers[0].resources.limits.memory = 1Gi	source_8	제한 메모리
product-service.Deployment.metadata.name = product-service	source_10	배포 대상 서비스 이름
product-service.Deployment.spec.replicas = 1	source_11	파드 복제 수
product-service.Deployment.spec.template.spec.containers[0].image = sk124590/product-service:2.1	source_10	컨테이너 이미지 태그
product-service.Deployment.spec.template.spec.containers[0].ports[0].containerPort = 8081	source_10	컨테이너 포트
product-service.Deployment.spec.template.spec.containers[0].resources.requests.cpu = 150m	source_10	요청 CPU
product-service.Deployment.spec.template.spec.containers[0].resources.requests.memory = 512Mi	source_10	요청 메모리
product-service.Deployment.spec.template.spec.containers[0].resources.limits.cpu = 1000m	source_10	제한 CPU

YAML 위치와 내용	참조된 Source	비고
product-service.Deployment.spec.template.spec.containers[0].resources.limits.memory = 1Gi	source_10	제한 메모리
wish-service.Deployment.metadata.name = wish-service	source_4	배포 대상 서비스 이름
wish-service.Deployment.spec.replicas = 1	source_4	파드 복제 수
wish-service.Deployment.spec.template.spec.containers[0].image = sk124590/wish-service:2.1	source_4	컨테이너 이미지 태그
wish-service.Deployment.spec.template.spec.containers[0].ports[0].containerPort = 8082	source_4	컨테이너 포트
wish-service.Deployment.spec.template.spec.containers[0].resources.requests.cpu = 100m	source_4	요청 CPU
wish-service.Deployment.spec.template.spec.containers[0].resources.requests.memory = 512Mi	source_4	요청 메모리
wish-service.Deployment.spec.template.spec.containers[0].resources.limits.cpu = 700m	source_4	제한 CPU
wish-service.Deployment.spec.template.spec.containers[0].resources.limits.memory = 1Gi	source_4	제한 메모리
order-service.Deployment.metadata.name = order-service	source_7	배포 대상 서비스 이름
order-service.Deployment.spec.replicas = 1	source_7	파드 복제 수
order-service.Deployment.spec.template.spec.containers[0].image = sk124590/order-service:2.1	source_7	컨테이너 이미지 태그
order-service.Deployment.spec.template.spec.containers[0].ports[0].containerPort = 8083	source_7	컨테이너 포트
order-service.Deployment.spec.template.spec.containers[0].resources.requests.cpu = 100m	source_7	요청 CPU
order-service.Deployment.spec.template.spec.containers[0].resources.requests.memory = 512Mi	source_7	요청 메모리
order-service.Deployment.spec.template.spec.containers[0].resources.limits.cpu = 700m	source_7	제한 CPU

YAML 위치와 내용	참조된 Source	비고
order-service.Deployment.spec.template.spec.containers[0].resources.limits.memory = 1Gi	source_7	제한 메모리
gift-app.Deployment.metadata.name = gift-app	source_8	배포 대상 서비스 이름
gift-app.Deployment.spec.replicas = 1	source_8	파드 복제 수
gift-app.Deployment.spec.template.spec.containers[0].image = sk124590/gift-app:2.1	source_8	컨테이너 이미지 태그
gift-app.Deployment.spec.template.spec.containers[0].ports[0].containerPort = 8085	source_10	컨테이너 포트
gift-app.Deployment.spec.template.spec.containers[0].resources.requests.cpu = 100m	source_10	요청 CPU
gift-app.Deployment.spec.template.spec.containers[0].resources.requests.memory = 512Mi	source_10	요청 메모리
gift-app.Deployment.spec.template.spec.containers[0].resources.limits.cpu = 500m	source_10	제한 CPU
gift-app.Deployment.spec.template.spec.containers[0].resources.limits.memory = 1Gi	source_10	제한 메모리
gift-app-svc.Service.spec.type = LoadBalancer	source_12	서비스 타입
gift-app-svc.Service.spec.ports[0].port = 8080	source_12	외부 노출 포트

비고: stringData로 들어가고, data가 metadata 하위로 들어감