

```

apiVersion: v1
kind: Secret
metadata:
  name: gift-secret
  labels:
    app: gift-service
    project: gift-service
    tier: backend
# Secrets are base64 encoded as per organizational policy (source_13)
data:
  JWT_SECRET: WW4ya2ppYmRkRkFXdG5QSjJBBrmxMOFdYbW9oSk1Ddm1nUWdnYUV5cGE1RT0=
  KAKAO_CLIENT_ID: YWMYMGQ4NGY5N2I2NzlmMGJiZDlhODA2NWJhODIzZjM=
  KAKAO_CLIENT_SECRET: RnczSm1MNVBrcGV2WFZaOU9pVk04YmZiZ0hVUEQ1RUE=
---
apiVersion: v1
kind: ConfigMap
metadata:
  name: gift-config
  labels:
    app: gift-service
    project: gift-service
    tier: backend
data:
  SERVICE_PRODUCT_URI: http://product-service-svc:8081
  KAKAO_REDIRECT_URI: http://localhost:8080/members/login/oauth2/code/kakao
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: api-gateway
  labels:
    app: api-gateway
    project: gift-service
    tier: backend
spec:
  replicas: 1 # From source_4
  selector:
    matchLabels:
      app: api-gateway
  template:
    metadata:
      labels:
        app: api-gateway
        project: gift-service
        tier: backend
    spec:
      containers:
        - name: api-gateway
          image: sk124590/api-gateway:2.1 # Image version specified (source_7)
          ports:
            - containerPort: 8080
          env:

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```

- 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"
---
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 # From source_5
  selector:
    matchLabels:
      app: user-service
  template:
    metadata:
      labels:
        app: user-service
        project: gift-service
        tier: backend
    spec:
      containers:
        - name: user-service
          image: sk124590/user-service:2.1 # Image version specified (source_5)
          ports:
            - containerPort: 8084
          env:
            - name: KAKAO_REDIRECT_URI
              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:
          cpu: "100m"
          memory: "256Mi"
        limits:
          cpu: "500m"
          memory: "512Mi"
---
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 # From source_4
  selector:
    matchLabels:
      app: product-service
  template:
    metadata:
      labels:
        app: product-service
        project: gift-service
        tier: backend
    spec:
      containers:
        - name: product-service
          image: sk124590/product-service:2.1 # Image version specified (source_8)
          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
metadata:
  name: wish-service
  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
        project: gift-service
        tier: backend
    spec:
      containers:
      - name: wish-service
        image: sk124590/wish-service:2.1 # Image version specified (source_4)
        ports:
        - containerPort: 8082
        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"
---
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 # From source_6
  selector:
    matchLabels:
      app: order-service
  template:
    metadata:
      labels:
        app: order-service
        project: gift-service
        tier: backend
    spec:
      containers:
      - name: order-service
        image: sk124590/order-service:2.1 # Image version specified (source_6)
        ports:
        - containerPort: 8083
        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: "500m"
      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
  labels:
    app: gift-app
    project: gift-service
    tier: frontend
spec:
  replicas: 1 # From source_10
  selector:
    matchLabels:
      app: gift-app
  template:
    metadata:
      labels:
        app: gift-app
        project: gift-service
        tier: frontend
    spec:
      containers:

```

```
- name: gift-app
  image: sk124590/gift-app:2.1 # Image version specified (source_10)
  ports:
    - containerPort: 8085
  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
      valueFrom:
        secretKeyRef:
          name: gift-secret
          key: JWT_SECRET
  resources:
    requests:
      cpu: "100m"
      memory: "512Mi"
    limits:
      cpu: "700m"
      memory: "1Gi"

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

| YAML 위치와 내용  | 참조된 Source | 비고  |
|--|------------|---|
| gift-secret.Secret.data[*] = (Base64 Encoded values) | source_13  | 조직 정책에 따라 Secret 값은 Base64로 인코딩되어 data에 저장됨 |
| api-gateway.Deployment.spec.replicas = 1             | source_4   | 서비스 기본 복제 수                                 |



| YAML 위치와 내용  | 참조된 Source | 비고           |
|--|------------|--------------|
| api-gateway.Deployment.spec.template.spec.containers[0].image = sk124590/api-gateway:2.1         | source_7   | 명시적 버전 태그 사용 |
| user-service.Deployment.spec.replicas = 1  | source_5   | 서비스 기본 복제 수  |
| user-service.Deployment.spec.template.spec.containers[0].image = sk124590/user-service:2.1       | source_5   | 명시적 버전 태그 사용 |
| product-service.Deployment.spec.replicas = 1   | source_4   | 서비스 기본 복제 수  |
| product-service.Deployment.spec.template.spec.containers[0].image = sk124590/product-service:2.1 | source_8   | 명시적 버전 태그 사용 |
| wish-service.Deployment.spec.replicas = 1  | source_4   | 서비스 기본 복제 수  |
| wish-service.Deployment.spec.template.spec.containers[0].image = sk124590/wish-service:2.1       | source_4   | 명시적 버전 태그 사용 |
| order-service.Deployment.spec.replicas = 1   | source_6   | 서비스 기본 복제 수  |
| order-service.Deployment.spec.template.spec.containers[0].image = sk124590/order-service:2.1     | source_6   | 명시적 버전 태그 사용 |
| gift-app.Deployment.spec.replicas = 1  | source_10  | 서비스 기본 복제 수  |
| gift-app.Deployment.spec.template.spec.containers[0].image = sk124590/gift-app:2.1               | source_10  | 명시적 버전 태그 사용 |

특징: configMap에서 모든 서비스 URI 정의 X