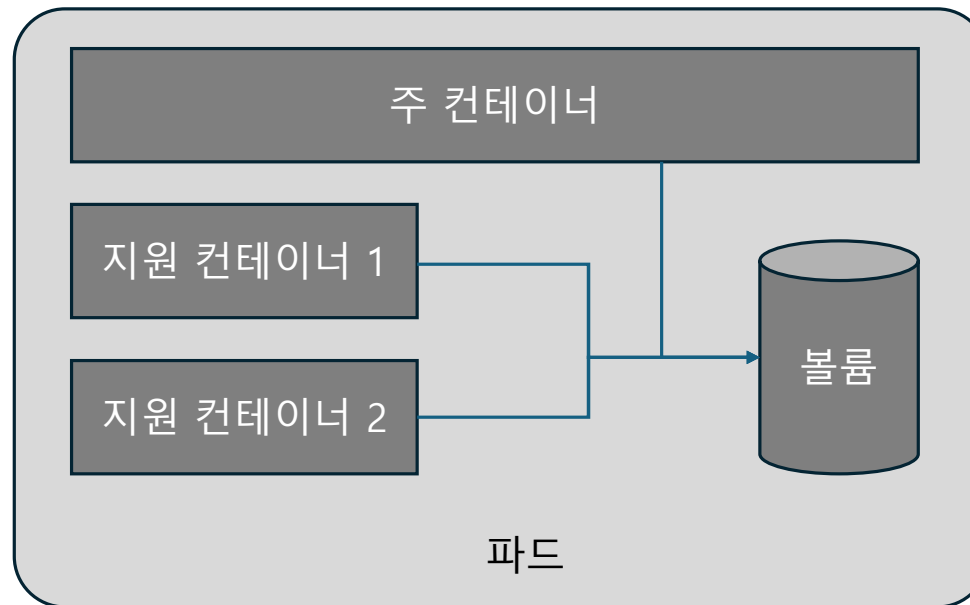


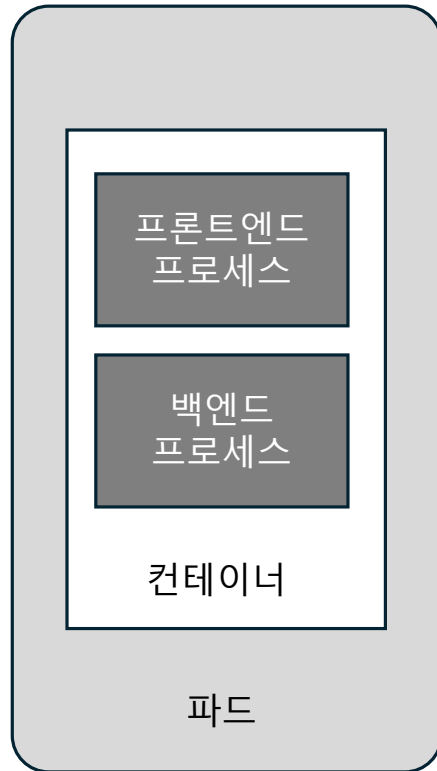
**Pod**

## Pod에서 다수의 컨테이너 사용 시점

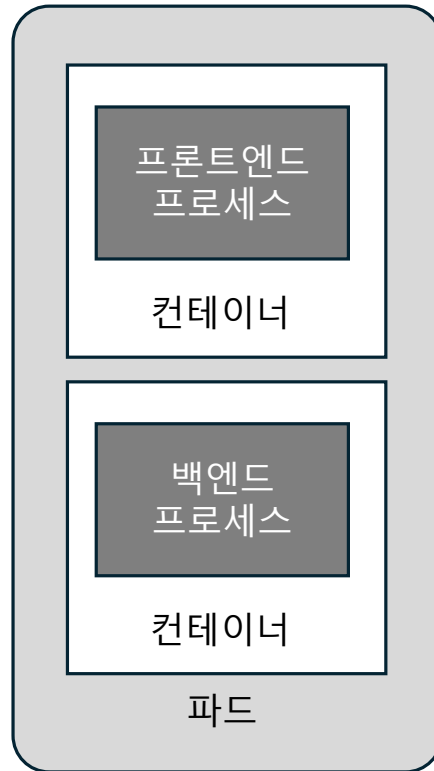


- 하나의 파드에서 다수의 컨테이너를 사용하는 경우는 기능 자체가 주요 프로세스와 지원 프로세스로 구성하는 경우임
- 예) 하나의 프로세스는 인터넷에서 자료 수집을 담당하여 파일로 저장, 하나의 프로세스는 저장되는 파일을 읽어와서 자료 분석하는 역할을 담당

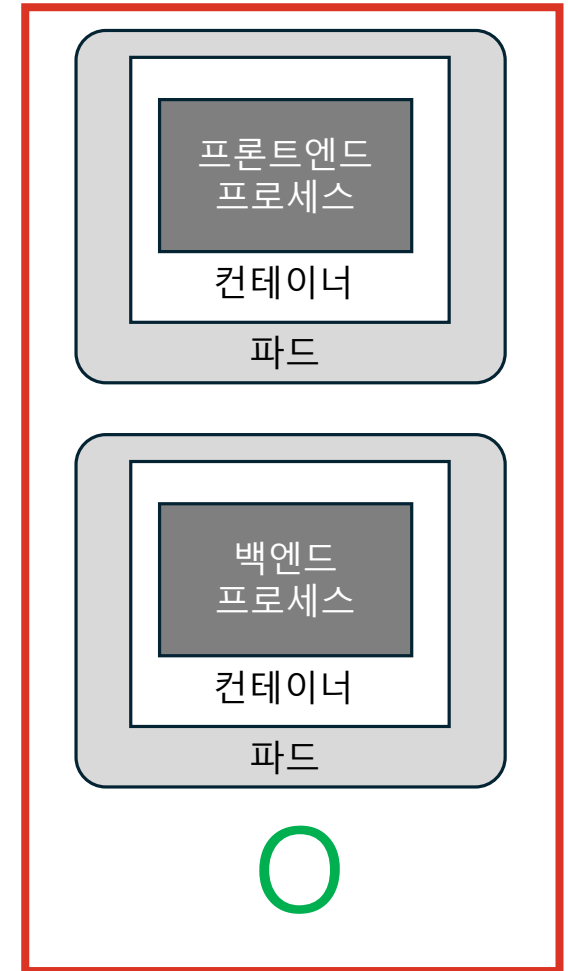
## Pod에서 일반적인 컨테이너 사용



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주요 프로세스 + 지원 프로세스의 형식이 아님

따라서, 분리 必

## 파드 YAML 디스크립터 사용해보기

```
apiVersion: v1
kind: Pod
metadata:
  name: k8s-backend-user
spec:
  containers:
  - name: k8s-backend-user
    image: solarhc/k8s-backend-user:0.0.1
    imagePullPolicy: Always
    ports:
    - containerPort: 8080
```

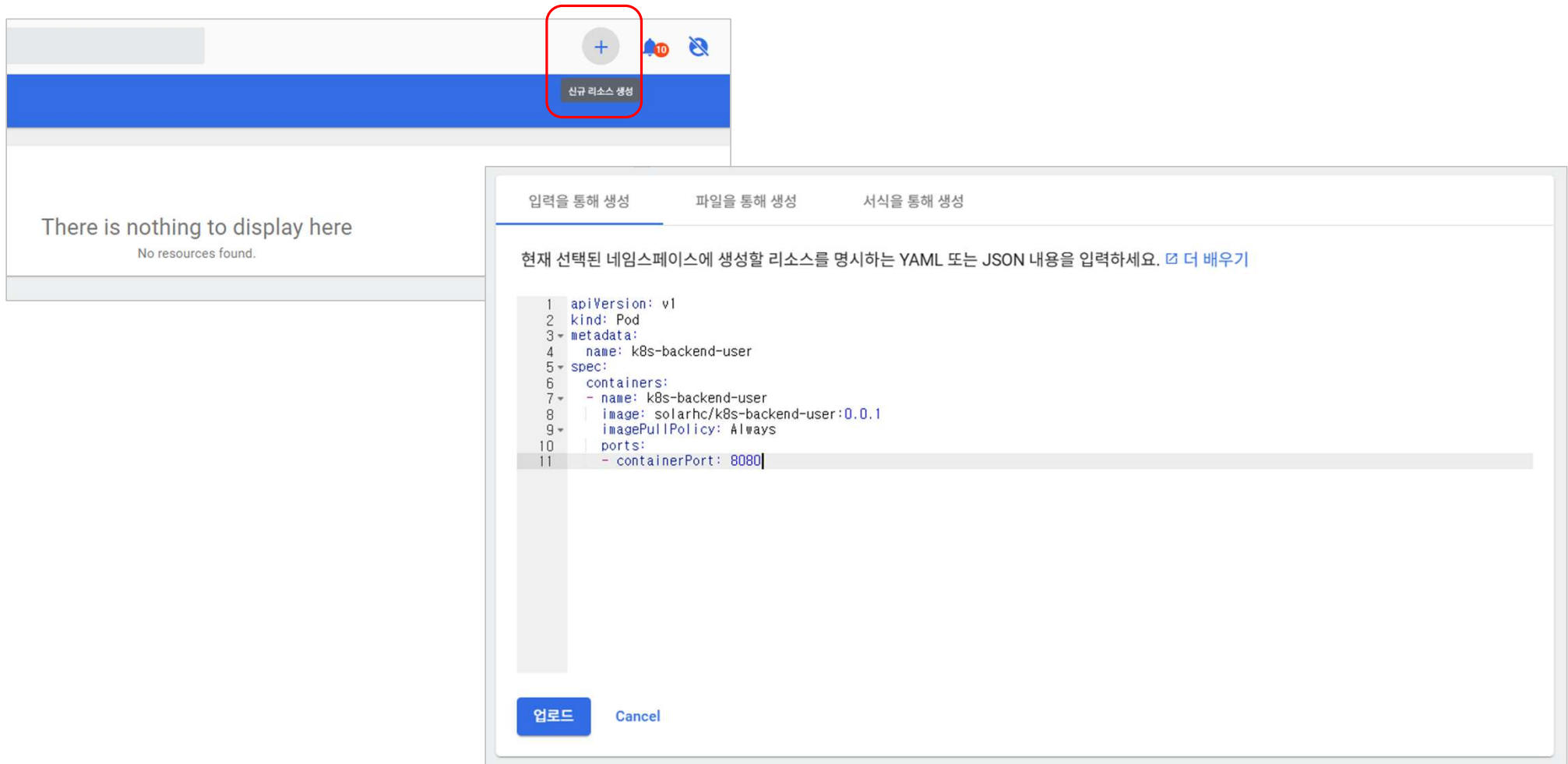
← 파드에 대해 기술하고 있음을 명시

← 파드의 이름

← Dockerhub에 올라가 있는 이미지  
(자신의 것으로 수정 필요)

k8s-backend-user-pod.yaml

## 파드 YAML 디스크립터 적용



The screenshot shows a Kubernetes dashboard interface. In the background, a message states "There is nothing to display here" and "No resources found." In the foreground, a "New Resource" dialog box is open. The dialog box has three tabs: "입력을 통해 생성" (Create by input), "파일을 통해 생성" (Create by file), and "서식을 통해 생성" (Create by format). The "입력을 통해 생성" tab is selected. The dialog box contains a text area with a YAML template for a Pod. The text area is pre-filled with the following YAML content:

```
1 apiVersion: v1
2 kind: Pod
3 metadata:
4   name: k8s-backend-user
5 spec:
6   containers:
7   - name: k8s-backend-user
8     image: solarhc/k8s-backend-user:0.0.1
9     imagePullPolicy: Always
10   ports:
11   - containerPort: 8080
```

At the bottom of the dialog box, there are two buttons: "업로드" (Upload) and "Cancel".

## 생성된 파드 로그 확인

```
PS C:\Server\k8s> kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
k8s-backend-user    1/1     Running   0           34s
PS C:\Server\k8s> kubectl logs -f k8s-backend-user
jenkins build trigger safd
```

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 WW / \_ ) | ( ) | | | | | ( | ) ) ) )  
 ' | \_ | . \_ | | \_ | \_ W \_ | / / / /  
 ===== | ===== | \_ / = / / / /

:: Spring Boot :: (v3.5.0)

```
2025-06-08T04:31:19.363Z INFO 1 --- [k8s-backend-user] [      main] c.w.k.K8sBackendUserApplication      : Starting
K8sBackendUserApplication v0.0.1 using Java 17.0.15 with PID 1 (/app.jar started by root in /)
2025-06-08T04:31:19.367Z INFO 1 --- [k8s-backend-user] [      main] c.w.k.K8sBackendUserApplication      : No active
profile set, falling back to 1 default profile: "default"
2025-06-08T04:31:20.322Z INFO 1 --- [k8s-backend-user] [      main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat 2
```

## 생성된 파드 전체 정의 조회

---

```
PS C:\Server\k8s> kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
k8s-backend-user	1/1	Running	0	54m

```
PS C:\Server\k8s> kubectl get pods k8s-backend-user -o yaml
```

```
apiVersion: v1
```

```
kind: Pod
```

```
metadata:
```

```
  creationTimestamp: "2025-06-08T04:30:46Z"
```

```
  name: k8s-backend-user
```

```
  namespace: default
```

```
  resourceVersion: "26227"
```

```
  uid: 9e447c9e-77b5-4a9c-bc18-78e41c946071
```

```
spec:
```

```
  containers:
```

```
  - image: solarhc/k8s-backend-user:0.0.1
```

```
    imagePullPolicy: Always
```

```
    name: k8s-backend-user
```

```
  ports:
```

```
  - containerPort: 8080
```

```
    protocol: TCP
```

```
  resources: {}
```

```
  terminationMessagePath: /dev/termination-log
```