

## Lab 7

### KNative: Eventing

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#### 1. Verify Broker is installed

```
C:\Users\Darigan\Projects\KNative>kn broker list
NAME      URL                                                                 AGE   CONDITIONS   READY   REASON
example-broker  http://broker-ingress.knative-eventing.svc.cluster.local/default/example-broker  16m   6 OK / 6      True
```

#### 2. Create the CloudEvents Player Service

```
C:\Users\Darigan\Projects\KNative>kubectl apply -f cloudevents-player.yaml
Warning: Kubernetes default value is insecure, Knative may default this to secure in a future release: spec.template.spec.containers[0].securityContext.allowPrivilegeEscalation, spec.template.spec.containers[0].securityContext.capabilities, spec.template.spec.containers[0].securityContext.runAsNonRoot, spec.template.spec.containers[0].securityContext.seccompProfile
service.serving.knative.dev/cloudevents-player created
```

#### 3. Create a sink binding

```
C:\Users\Darigan\Projects\KNative>kn source binding create ce-player-binding --subject "Service:serving.knative.dev/v1:cloudevents-player" --sink broker:example-broker
Sink binding 'ce-player-binding' created in namespace 'default'.
```

#### 4. Open CloudEvents Player in Browser

### CloudEvents player

#### Create event

Event ID \*

This field is mandatory

Event Type \*

This field is mandatory

Event Subject

Event Source \*

player

Specversion

1.0

Message \*

{  
 "message": "Hello CloudEvents!"  
}

ADD EXTENSION ATTRIBUTE

SEND EVENT

#### Activity

ID	Type	Subject	Source	Status	Local Time	Message
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CLEAR EVENTS

#### 5. Send Event

#### Create event

Event ID \*

1

Event Type \*

Greeting

Event Subject

Personal

Event Source \*

player

Specversion

1.0

Message \*

{  
 "message": "Hello CloudEvents!"  
}

ADD EXTENSION ATTRIBUTE

SEND EVENT

#### Activity

ID	Type	Subject	Source	Status	Local Time	Message
1	Greeting	Personal	player	▶	05/05/2024 20:13:34	✉

CLEAR EVENTS

#### 6. Create Trigger

```
C:\Users\Darigan\Projects\KNative>kn trigger create cloudevents-trigger --sink cloudevents-player --broker example-broker
Trigger 'cloudevents-trigger' successfully created in namespace 'default'.
```

## 7. See events are now sent and received

1	Greeting	Personal	player	✓	05/05/2024 20:15:14	✉
				RECEIVED		
1	Greeting	Personal	player	➤	05/05/2024 20:13:34	✉

8. X

9. X

10. X

11. X

12. X

13. X

14. X

15. X

16. X

17.