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Install Kafka

Windows OS

1. Let's spin our Kafka cluster and give it a try!

The easiest way to set up Kafka just to mess around locally is to use Docker.
There are many Docker Images with Kafka.

I used Docker Desktop and Rancher Desktop.

2. Download and install Docker desktop.

You might use also Rancher desktop. In this case WSL (Windows Subsystem for Linux) should to be installed.

([Containerization Explained - YouTube](https://www.youtube.com/watch?v=0qotVMX-J5s) - <https://www.youtube.com/watch?v=0qotVMX-J5s>)

3. To make setup easier I've included docker-compose file, so you can make your kafka cluster up and running in seconds. Copy docker-compose.yml into your working folder.
4. Open a cmd – command prompt line in your working directory, which contains the docker-compose.yml file:

Run command:

```
>docker-compose up
```

Logs should begin appear in the window.

5. You can also start docker desktop: start → Docker compose

Containers [Give feedback](#)

Container CPU usage ⓘ
No containers are running.

Container memory usage ⓘ
No containers are running.

[Show charts](#) ▼

☐ Only show running containers

<input type="checkbox"/>	Name	Image	Status	Port(s)	Last started	Actions
<input type="checkbox"/>	01_startkafka		Exited		37 seconds ago	
<input type="checkbox"/>	schema_registry 6cbf40219b17	confluentinc	Exited (137)	8081:8081	37 seconds ago	
<input type="checkbox"/>	kafka-1 1bebf0b70142	confluentinc	Exited (1)	29092:29092	39 seconds ago	
<input type="checkbox"/>	zookeeper-1 921f02895614	confluentinc	Exited (143)	22181:2181	40 seconds ago	

In this example my working directory is 01-startkafka.

6. Open a kafka terminal

Containers [Give feedback](#)

Container CPU usage ⓘ
1.84% / 1000% (10 cores allocated)

Container memory usage ⓘ
1007.2MB / 22.81GB

[Show charts](#) ▼

☐ Only show running containers

<input type="checkbox"/>	Name	Image	Status	Port(s)	Last started	CPU (%)	Actions
<input type="checkbox"/>	01_startkafka		Running (3/3)		9 minutes ago	1.64%	
<input type="checkbox"/>	schema_registry 6cbf40219b17	confluentinc/cp-sc	Running	8081:8081	9 minutes ago	0.34%	
<input type="checkbox"/>	kafka-1 1bebf0b70142	confluentinc/cp-ka	Running	29092:29092	9 minutes ago	1.14%	
<input type="checkbox"/>	zookeeper-1 921f02895614	confluentinc/cp-zo	Running	22181:2181	9 minutes ago		
<input type="checkbox"/>	00		Created				

View details
 View image packages and CVEs
 Copy docker run
Open in terminal
 View files
 Pause
 Restart
 Open with browser

7. Create a new topic

```
/usr/bin/kafka-topics --create --bootstrap-server kafka:29092 localhost:29092 --  
topic topicTest1
```

Logs	Inspect	Bind mounts	Terminal	Files	Stats
<pre>sh-4.4\$ /usr/bin/kafka-topics --create --bootstrap-server kafka:29092 localhost:29092 --topic topicTest1 Created topic topicTest1. sh-4.4\$ █</pre>					

Linux OS – TBD (to be defined)

We can also install Kafka as a stand-alone application.

Create github account – if not already existing

Link to create github account:

[Signing up for a new GitHub account - GitHub Docs](#)

Github account has NOT direct relationship with Kafka. 8)

In Github you will place the Kafka projects.