**Setup Notification service end to end:**

1. **Install and configure Docker. Here are steps to install Docker.**

<https://docs.docker.com/docker-for-windows/install/>

1. **Install Kafka for message publishing.**

* **There are many installations available for KAFKA. I have used Docker image of Kafka from following link:**

[**https://github.com/wurstmeister/kafka-docker**](https://github.com/wurstmeister/kafka-docker)

* **Change the Properties for docker-compose.yml.**



Detailed steps are available on above given link.

## **Main commands for Docker**

Start a cluster:

* docker-compose up -d

Destroy a cluster:

* docker-compose stop

Check if Kafka is up:

* docker-compose ps

1. **Slack Setup:**

* **Go to** <https://slack.com/intl/en-in/>
* **Create a new workspace for slack by clicking on create workspace.**
* **Create a new app under your created workspace.**
* **Under the apps, go to Custom Integration-> Incoming webhooks**
* **Create new Incoming webhooks.**
* **Use the webhook URL to send message to Slack. It should look like this:**

#### Webhook URL

https://hooks.slack.com/services/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

* **You need to replace the webhook URL in properties for slack.**

1. **Import the Spring boot application named: Notification-service to any of the IDE like IntelliJ or Eclipse.**
2. **Just Run the application. As this is Spring boot application, It will have Inbuilt in tomcat.**
3. **There is another application named OrderProject which is Plain java application. This is a mock application to test connectivity and send message from Kafka.**