Lab 03 – A simple task

Overview

We are going to create a simple task app to perform an ETL function.

The code for this app can be found in the **Thumbinator** project.

Before we start this lab, make sure that you have understood the concepts in the SpringOne2020 deck presented before this lab.
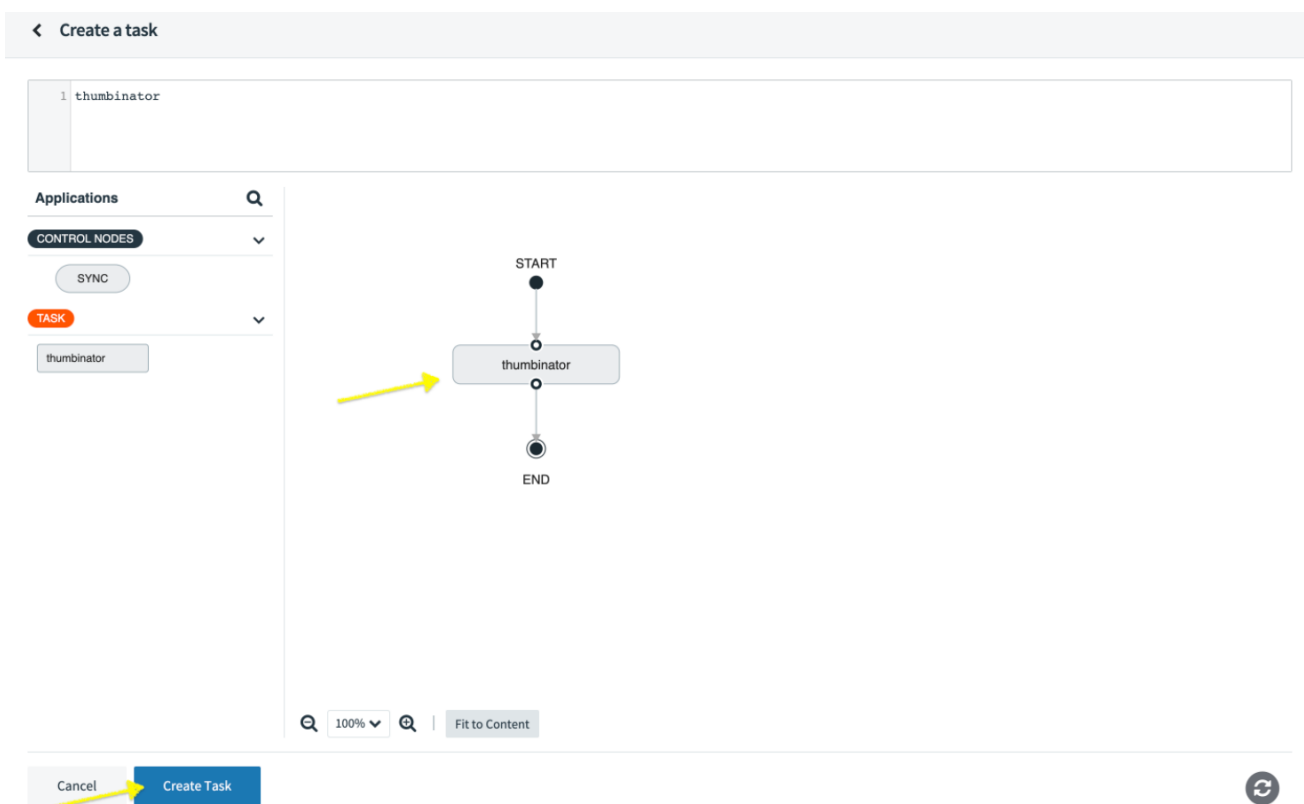
Please execute the following steps:-

1. **cd scdf-workshop/labs/trucks-example**

2. We need to compile the source code and create docker images for the different parts of the application. We are going to use Jib to create the images and store them in the docker registry running on your local machine.

3. Run `mvn clean install com.google.cloud.tools:jib-maven-plugin:dockerBuild -DskipTests`

4. You should see the images being created and stored by running ***docker images***

5. We are now ready to deploy into SCDF.

6. We need to create the applications in the SCDF dashboard.

7. In the Applications tab click "Add Application(s)". Select "Import application components from properties file".

8. Paste the following coordinates in.

```
task.thumbinator=docker:dev.local/thumbinator:0.0.1-SNAPSHOT
```

9. Click "Import Application(s)". You should see a message confirming that the task application has been successfully imported.

10. The next stage is to set up the Task.

11. Select task and "Create Task" /

12. You should be able to drag the "Thumbinator" task across and set it up with an input and output.

13. Click "Create Task".

14. You can then launch the task.

15. You can get to the logs by looking at the Task Execution logs.