

Setting up CirclceCI

circleci-test #40	Unable to parse YAML mapping values are not allowed here in 'string', line 58, column 13: path: ~/circleci-test ^	Build Error	master 51a1541 Update config.yml	2d ago	7s	🔄 🗑️ ⌵ ...
	Failed	Build Error			4s	
circleci-test #39	Unable to parse YAML mapping values are not allowed here in 'string', line 58, column 13: path: ~/circleci-test ^	Build Error	master 125b003 Update config.yml	2d ago	7s	🔄 🗑️ ⌵ ...
	Failed	Build Error			3s	
circleci-test #38		Success	workflow f257e6a Revert 'Update config.yml'	2d ago	52s	🔄 🗑️ ⌵ ...
circleci-test #37		Failed	workflow 055bdcc Update config.yml	2d ago	5s	🔄 🗑️ ⌵ ...
	Failed	build			0s	

Sample of Initial Attempts at CI

Shown here is some of the attempts to get circleci to work. Some of the failures are due to incorrect specification of working directory; Unable to parse YAML error is due to incorrect indentation.

1 / 1 parallel run	
Spin up environment	3s
Container circleci/postgres:9.6.3-alpine	4s
Preparing environment variables	0s
Checkout code	1s
mvn package	1s
<pre>#!/bin/bash -eo pipefail mvn package [INFO] Scanning for projects... [INFO] ----- [INFO] BUILD FAILURE [INFO] ----- [INFO] Total time: 0.112 s [INFO] Finished at: 2020-09-20T14:02:01Z [INFO] ----- [ERROR] The goal you specified requires a project to execute but there is no POM in this directory (/home/circleci/circleci-test/backend). Please verify you invoked Maven from the correct directory. [ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch. [ERROR] Re-run Maven using the -X switch to enable full debug logging. [ERROR] For more information about the errors and possible solutions, please read the following articles: [ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MissingProjectException Exited with code exit status 1 CircleCI received exit code 1</pre>	
Uploading test results	0s
Uploading artifacts	0s

Failure due to how paths were specified in config.yml

Here is an error in maven specifying it cannot find pom.xml that is because the directory was not specified correctly

circleci-test > master > workflow > build (38)

build Success Rerun ...

Duration / Finished: 48s / 2d ago | Queued: 0s | Executor: Docker Medium | Branch: master | Commit: f257e6a | Author & Message: Revert "Update config.yml"

STEPS TESTS ARTIFACTS

1 / 1 parallel run

- Spin up environment (10s)
- Container circleci/mysql:8.0.4 (37s)
- Container circleci/postgres:9.6.3-alpine (37s)
- Preparing environment variables (0s)
- Checkout code (2s)
- Wait for Database Connection (7s)
- sudo apt update (2s)
- sudo apt-get install default-mysql-client (3s)
- Restoring cache (3s)
- mvn dependency:go-offline (3s)

Success after path was fixed

Shown here is the test for backend after the path was fixed




























PIPELINE	STATUS	WORKFLOW	BRANCH / COMMIT	START	DURATION	ACTIONS
circleci-test #54	Success	build_and_test	master 933b112 Update config.yml	1d ago	1m 46s	
	Success	front			1m 0s	
	Success	back			36s	
circleci-test #53	Success	build_and_test	master 1d6f987 Update config.yml	1d ago	2m 24s	
circleci-test #52	Canceled	build_and_test	master 2e7d0ba Update config.yml	1d ago	26s	
circleci-test #51	Failed	build_and_test	master 9c13c8f Update config.yml	1d ago	1m 30s	
	Failed	test			35s	
	Success	build			39s	
circleci-test #50	Failed	build_and_test	master d0c2d35 Update config.yml	1d ago	1m 7s	
	Failed	test			0s	
	Success	build			49s	

Success and failures for front end and back end

Here is the image showing the success and failures for implementation of both backend and frontend in the same config.xml file

PIPELINE	STATUS	WORKFLOW	BRANCH / COMMIT	START	DURATION	ACTIONS
majorproject-8-mon-17-30-3 #9	SUCCESS	back_and_front	master 2f8218f Update App.test.js	32m ago	2m 47s	
	Success	front			57s	
	Success	back			1m 46s	

Success of ci for both front and back end

▶  Spin up environment	14s		
▶  Preparing environment variables	0s		
▶  Checkout code	1s		
▶  Restoring cache	0s		
▶  Install Dependencies	13s		
▶  npm i --save-dev enzyme	11s		
▶  npm i --save-dev enzyme enzyme-adapter-react-16	11s		
▶  Saving cache	0s		
▼  Run Tests	3s		

```

#!/bin/bash -eo pipefail
npm test










> front-end@0.1.0 test /home/circleci/majorproject-8-mon-17-30-3/FrontEnd
> react-scripts test

PASS src/App.test.js
  ✓ should render app (8ms)

Test Suites: 1 passed, 1 total
Tests:      1 passed, 1 total
Snapshots: 0 total
Time:       2.45s
Ran all test suites.
CircleCI received exit code 0

```

Closer look at result of front-end test

▶  mvn dependency:go-offline	3s		
▶  Saving cache	0s		
▼  mvn package	6s		

```

Downloaded from central: https://repo.maven.apache.org/maven2/com/sun/activation/jakarta.activation/1.2.2/jakarta.activation-1.2.2.jar (68 kB at 385 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/net/bytebuddy/byte-buddy-agent/1.10.14/byte-buddy-agent-1.10.14.jar (259 kB at 1.4 MB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/glassfish/jaxb/jaxb-runtime/2.3.3/jaxb-runtime-2.3.3.jar (1.0 MB at 3.8 MB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/net/bytebuddy/byte-buddy/1.10.14/byte-buddy-1.10.14.jar (3.5 MB at 11 MB/s)
[INFO]
[INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @ sept ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO] Copying 9 resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ sept ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 23 source files to /home/circleci/majorproject-8-mon-17-30-3/BackEnd/target/classes
[INFO]
[INFO] --- maven-resources-plugin:3.1.0:testResources (default-testResources) @ sept ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/circleci/majorproject-8-mon-17-30-3/BackEnd/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ sept ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to /home/circleci/majorproject-8-mon-17-30-3/BackEnd/target/test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ sept ---
[INFO]
[INFO] --- maven-jar-plugin:3.2.0:jar (default-jar) @ sept ---
[INFO] Building jar: /home/circleci/majorproject-8-mon-17-30-3/BackEnd/target/sept-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot-maven-plugin:2.3.3.RELEASE:repackage (repackage) @ sept ---
[INFO] Replacing main artifact with repackaged archive
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 4.746 s
[INFO] Finished at: 2020-09-21T06:22:30Z
[INFO]
CircleCI received exit code 0

```

Closer look at result of back end test