# Verifying the workflow execution

In this section, you are going to first run the workflow, verify the execution in the Step Functions console and validate the results by accessing the Amazon DynamoDB database.

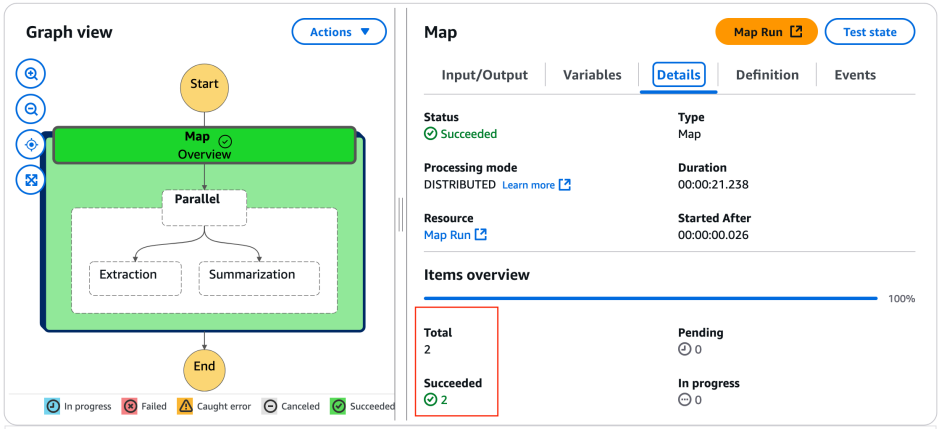
## Run the workflow

1. Access Amazon S3 console in another tab and search for S3 bucket containing the string `s3useruploadbucket` . Note the name.
   - Take a moment to explore the contents of the bucket. There are two PDF files and a JSON file. Download the JSON file and check the content. You will notice a JSON array with two items in the manifest.json. For the workshop, we have only two items. But, you can have millions of items in the JSON array. Distributed map iterates on the items, runs them as configured.
2. Select **Execute** from the Step Functions designer studio.
3. If you are not on the `State Machines` page, choose `State machines` on the left side hamburger menu icon and select the `DocumentProcessingWorkflow`.
4. In the `Start execution` popup, paste the following input. You are running the workflow with this input. These input values are substituted for the corresponding variable at run time. Replace the {{INPUT_BUCKET}} with the bucket name in step 1.

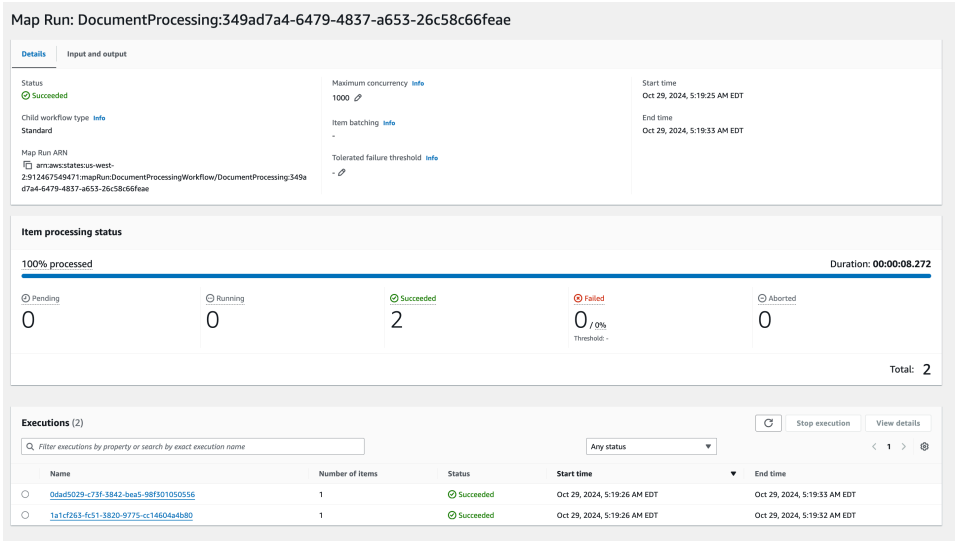
```
{
  "input_bucket":"{{INPUT_BUCKET}}",
  "key":"manifest.json"
}
```

## View the Workflow execution in Step Functions Console

1. In the execution details page, select Distributed Map state in the Graph View, then select `Details` tab.




2. Select `Map Run` link to view details of the Distributed Map execution.
3. This page provides a summary of the Distributed Map job.

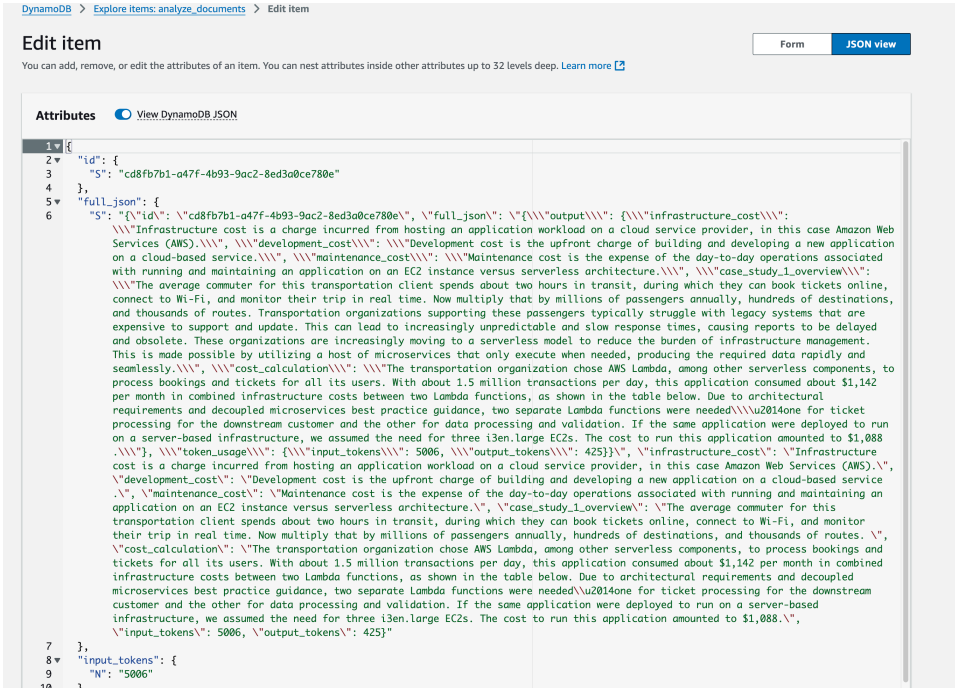



8. We can see that 2 child workflows executions completed successfully with 0 failures. If you had 10 entries in the manifest.json, you will see 10 executions here as it loops through every item in the manifest.json array to process the document.
9. On the Map Run execution page, explore the State input/output information by selecting the corresponding tabs. If you have trouble viewing the input, enable the `Advanced view` option at the top of the page.

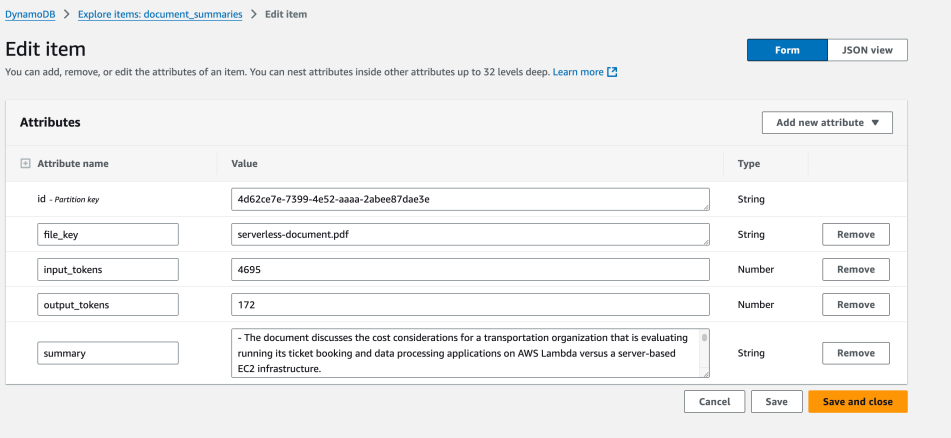
## Verify the results

1. Navigate to Amazon DynamoDB in your AWS Console. Make sure you are in the correct region.
2. If you're not already on the `Tables` page, select Tables from the hamburger menu on the left. You should see two tables: `analyze_documents` and `document_summaries`. Let's inspect the `analyze_documents` table first, where you should find 2 records.

Select **Explore table items** on top right. Inspect one of the extracted JSON from the DynamoDB Table. In the next section, we will walk through the code to explain how the document was extracted in this format.




1. Navigate to the `document_summaries` table and inspect the summary for this document.




## Summary

You have come to the end of the document extraction and summarization module. In this module, you created a workflow with distributed map, learnt how to perform document extraction and summarization at scale using Step Functions Distributed Map.

**Congratulations!** You used Step Functions Distributed Map state to extract and summarize documents at scale.

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