

Output and CloudWatch logs

The screenshots show two instances of a Visual Studio Code terminal window running PowerShell commands to interact with AWS CloudFormation and S3.

Screenshot 1:

```

PS C:\Users\obini\Downloads\doclinc-serverless> $BUCKET_NAME="doclinc-converter-srikanth-$((Get-Random -Minimum 10000000 -Maximum 99999999))"
PS C:\Users\obini\Downloads\doclinc-serverless> $IMAGE_TAG="v9"
PS C:\Users\obini\Downloads\doclinc-serverless> aws cloudformation deploy --region $REGION --stack-name $STACK_NAME --temp-lambda-file infra\doclinc-stack.yaml --capabilities CAPABILITY_NAMED_IAM --parameter-overrides BucketName=$BUCKET_NAME EcrRepoName=$ECR_REPO ImageTag=$IMAGE_TAG

Waiting for changeset to be created...
Waiting for stack create/update to complete
Successfully created/updated stack - doclinc-stack-5
PS C:\Users\obini\Downloads\doclinc-serverless> aws cloudformation describe-stacks --region $REGION --stack-name $STACK_NAME
>>> --query "Stacks[0].Outputs" --output table
+-----+-----+
| Description | OutputKey | OutputValue |
+-----+-----+
| S3 bucket for input/ and output | BucketNameOut | doclinc-converter-srikanth-44647537 |
| ECR repository URI | EcrRepouri | 755716729753.dkr.ecr.us-east-2.amazonaws.com/doclinc-converter |
| Lambda function name | LambdaName | doclinc-converter-doclinc-stack-5 |
+-----+-----+
PS C:\Users\obini\Downloads\doclinc-serverless> $BUCKET_NAME = (aws cloudformation describe-stacks --region $REGION --stack-name $STACK_NAME --query "Stacks[0].Outputs[?OutputKey=='BucketNameOut'].OutputValue" --output text)
In 140, Col 1 Spaces:2 UTF-8 CRLF {} YAML ⚡ Go Live

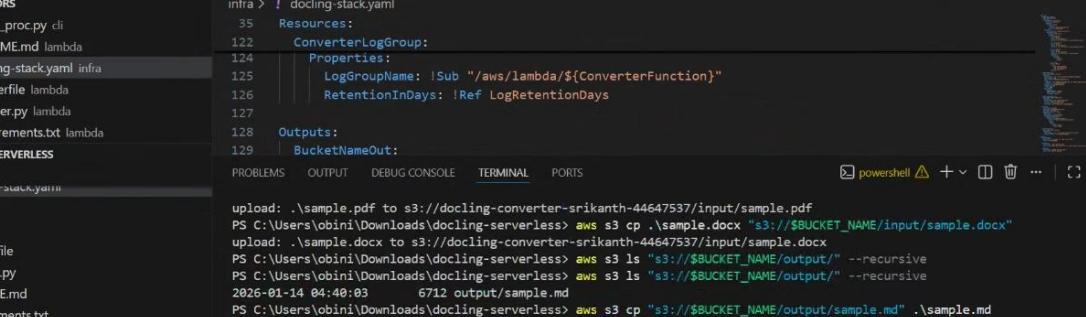
```

Screenshot 2:

```

PS C:\Users\obini\Downloads\doclinc-serverless> $BUCKET_NAME = (aws cloudformation describe-stacks --region $REGION --stack-name $STACK_NAME --query "Stacks[0].Outputs[?OutputKey=='BucketNameOut'].OutputValue" --output text)
PS C:\Users\obini\Downloads\doclinc-serverless> $LAMBDA_NAME = (aws cloudformation describe-stacks --region $REGION --stack-name $STACK_NAME --query "Stacks[0].Outputs[?OutputKey=='LambdaName'].OutputValue" --output text)
PS C:\Users\obini\Downloads\doclinc-serverless> $BUCKET_NAME
doclinc-converter-srikanth-44647537
PS C:\Users\obini\Downloads\doclinc-serverless> $LAMBDA_NAME
doclinc-converter-doclinc-stack-5
PS C:\Users\obini\Downloads\doclinc-serverless> $BUCKET_NAME = (aws cloudformation describe-stacks --region $REGION --stack-name $STACK_NAME --query "Stacks[0].Outputs[?OutputKey=='BucketNameOut'].OutputValue" --output text)
PS C:\Users\obini\Downloads\doclinc-serverless> $LAMBDA_NAME = (aws cloudformation describe-stacks --region $REGION --stack-name $STACK_NAME --query "Stacks[0].Outputs[?OutputKey=='LambdaName'].OutputValue" --output text)
PS C:\Users\obini\Downloads\doclinc-serverless> $BUCKET_NAME
doclinc-converter-srikanth-44647537
PS C:\Users\obini\Downloads\doclinc-serverless> $LAMBDA_NAME
doclinc-converter-doclinc-stack-5
PS C:\Users\obini\Downloads\doclinc-serverless> aws s3 cp ./sample.pdf "s3://$BUCKET_NAME/input/sample.pdf"
upload: ./sample.pdf to s3://doclinc-converter-srikanth-44647537/input/sample.pdf
PS C:\Users\obini\Downloads\doclinc-serverless> aws s3 cp ./sample.docx "s3://$BUCKET_NAME/input/sample.docx"
upload: ./sample.docx to s3://doclinc-converter-srikanth-44647537/input/sample.docx
PS C:\Users\obini\Downloads\doclinc-serverless> aws s3 ls "s3://$BUCKET_NAME/output/" --recursive
In 140, Col 1 Spaces:2 UTF-8 CRLF {} YAML ⚡ Go Live

```



The screenshot shows a terminal window with the following log output:

```
upload: ./sample.pdf to s3://docling-converter-srikanth-44647537/input/sample.pdf
PS C:\Users\obini\Downloads\docling-serverless> aws s3 cp ./sample.docx "s3://$BUCKET_NAME/input/sample.docx"
upload: ./sample.docx to s3://docling-converter-srikanth-44647537/input/sample.docx
PS C:\Users\obini\Downloads\docling-serverless> aws s3 ls "s3://$BUCKET_NAME/output/" --recursive
PS C:\Users\obini\Downloads\docling-serverless> aws s3 ls "s3://$BUCKET_NAME/output/" --recursive
2026-01-14 04:40:03 6712 output/sample.md
PS C:\Users\obini\Downloads\docling-serverless> aws s3 cp "s3://$BUCKET_NAME/output/sample.md" ./sample.md
download: s3://docling-converter-srikanth-44647537/output/sample.md to ./sample.md
PS C:\Users\obini\Downloads\docling-serverless> aws logs tail "/aws/lambda/$BUCKET_NAME" --region $REGION --since 1h
2026-01-13T23:08:08.578000+00:00 2026/01/13/[SLATEST]@c9f52a@039464c064a9739d1c4e2859 INIT_REPORT Init Duration: 9999.63 ms
ms Phase: init Status: timeout
2026-01-13T23:08:20.176000+00:00 2026/01/13/[SLATEST]@21e55f6a@24276906f71ea62bd53c6 INIT_REPORT Init Duration: 10000.08 ms
ms Phase: init Status: timeout
2026-01-13T23:08:41.036000+00:00 2026/01/13/[SLATEST]@c9f52a@039464c064a9739d1c4e2859 /opt/python/transformers/utils/hub.p
y:110: FutureWarning: Using 'TRANSFORMERS_CACHE' is deprecated and will be removed in v5 of Transformers. Use 'HF_HOME' in stead.
2026-01-13T23:08:41.036000+00:00 2026/01/13/[SLATEST]@c9f52a@039464c064a9739d1c4e2859 warnings.warn(
2026-01-13T23:08:41.042000+00:00 2026/01/13/[SLATEST]@21e55f6a@24276906f71ea62bd53c6 /opt/python/transformers/utils/hub.p
y:110: FutureWarning: Using 'TRANSFORMERS_CACHE' is deprecated and will be removed in v5 of Transformers. Use 'HF_HOME' in stead.
2026-01-13T23:08:41.042000+00:00 2026/01/13/[SLATEST]@21e55f6a@24276906f71ea62bd53c6 warnings.warn(
2026-01-13T23:08:58.580000+00:00 2026/01/13/[SLATEST]@c9f52a@039464c064a9739d1c4e2859 START RequestId: 9cbea175-94b8-46fe-9615-f0f5859104b Version: $LATEST
2026-01-13T23:08:58.608000+00:00 2026/01/13/[SLATEST]@21e55f6a@24276906f71ea62bd53c6 START RequestId: 026a0007-a21b-4344-
```

The screenshot shows a developer's workspace with an IDE interface. On the left, the Explorer sidebar lists open editors for 'cloud_proc.py', 'README.md', 'docking-stack.yaml', 'Dockerfile', 'handler.py', and 'requirements.txt'. Below this, the 'DOCLING-SERVERLESS' section is expanded, showing the 'infra' folder containing 'docking-stack.yaml' and other files like 'lambda', 'karthik', 'Dockerfile', 'handler.py', 'README.md', 'requirements.txt', 'lambda-trust.json', 'response.json', 'sample.docx', 'sample.error.txt', 'sample.md', 'sample.pdf', 'sample2.error.txt', 'sample10.error.txt', 'sample14.error.txt', and 'terminal_history.txt'. The 'OUTLINE' and 'TIMELINE' sections are also visible. The main editor area displays the 'docking-stack.yaml' file, which defines a CloudFormation stack with resources such as 'ConverterLogGroup' and 'BucketNameOut'. The terminal below the editor shows log output for Lambda functions, with one entry for 'karthik' and another for 'docking-stack.yaml'. The bottom right corner of the screen features a 'Go Live' button.

The screenshot shows the VS Code interface with the title bar "Q docling-serverless". The Explorer sidebar on the left lists files and folders: cloud_proc.py, README.md, docling-stack.yaml (selected), Dockerfile, handler.py, requirements.txt, and DOCLING-SERVERLESS. Inside DOCLING-SERVERLESS, there are infra, lambda, and terminal_history.txt. The main editor area displays the contents of docling-stack.yaml. The terminal tab at the bottom shows a log of a Python script named download_file.py running on a server. The log includes several INFO messages from the RapidOCR library, such as "Initiating download: https://www.modelscope.cn/models/RapidAI/RapidOCR/resolve/v3.5.0/torch/PP-OCRv4/clis/ch_ptocr_mobile_v2.0_cls_infer.pth", and various file download and processing steps. The status bar at the bottom right indicates "In 140, Col 1 | Spaces: 2 | UTF-8 | CRLF | {} YAML | Go Live".

```
infra > ! docling-stack.yaml
35 Resources:
122   ConverterLogGroup:
124     Properties:
125       LogGroupName: !Sub "/aws/lambda/${ConverterFunction}"
126       RetentionInDays: !Ref LogRetentionDays
127
128 Outputs:
129   BucketNameOut:
```

```
[doCR] download_file.py:68: Initiating download: https://www.modelscope.cn/models/RapidAI/RapidOCR/resolve/v3.5.0/torch/PP-OCRv4/clis/ch_ptocr_mobile_v2.0_cls_infer.pth
2026-01-13T23:09:08.122000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,122 [Rapi
doCR] download_file.py:82: Download size: 0.56MB
2026-01-13T23:09:08.165000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,166 [Rapi
doCR] download_file.py:95: Successfully saved to: /opt/python/rapidocr/models/ch_ptocr_mobile_v2.0_cls_infer.pth
2026-01-13T23:09:08.169000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,168 [Rapi
doCR] main.py:50: Using /opt/python/rapidocr/models/ch_ptocr_mobile_v2.0_cls_infer.pth
2026-01-13T23:09:08.267000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,267 [Rapi
doCR] base.py:22: Using engine_name: torch
2026-01-13T23:09:08.267000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,267 [Rapi
doCR] device_config.py:50: Using CPU device
2026-01-13T23:09:08.268000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,268 [Rapi
doCR] download_file.py:68: Initiating download: https://www.modelscope.cn/models/RapidAI/RapidOCR/resolve/v3.5.0/torch/PP-OCRv4/rec/ch_PP-OCRv4_rec_infer.pth
2026-01-13T23:09:09.287000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:09,206 [Rapi
doCR] download_file.py:82: Download size: 25.67MB
2026-01-13T23:09:09.947000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:09,947 [Rapi
doCR] download_file.py:95: Successfully saved to: /opt/python/rapidocr/models/ch_PP-OCRv4_rec_infer.pth
2026-01-13T23:09:09.958000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:09,949 [Rapi
doCR] main.py:50: Using /opt/python/rapidocr/models/ch_PP-OCRv4_rec_infer.pth
2026-01-13T23:09:10.253000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:10,253 [Rapi
doCR] download_file.py:68: Initiating download: https://www.modelscope.cn/models/RapidAI/RapidOCR/resolve/v3.5.0/paddle/PP-OCRv4/rec/ch_PP-OCRv4_rec_infer/ppocr_keys_v1.txt
In 140, Col 1 | Spaces: 2 | UTF-8 | CRLF | {} YAML | Go Live
```

This screenshot is identical to the one above, showing the VS Code interface with the title bar "Q docling-serverless". The Explorer sidebar and main editor area are the same, displaying the docling-stack.yaml file and its contents. The terminal tab at the bottom shows the same log of the download_file.py script running, including the successful download of the PP-OCRv4 model and the pocr_keys_v1.txt file. The status bar at the bottom right indicates "In 140, Col 1 | Spaces: 2 | UTF-8 | CRLF | {} YAML | Go Live".

```
infra > ! docling-stack.yaml
35 Resources:
122   ConverterLogGroup:
124     Properties:
125       LogGroupName: !Sub "/aws/lambda/${ConverterFunction}"
126       RetentionInDays: !Ref LogRetentionDays
127
128 Outputs:
129   BucketNameOut:
```

```
[doCR] download_file.py:68: Initiating download: https://www.modelscope.cn/models/RapidAI/RapidOCR/resolve/v3.5.0/torch/PP-OCRv4/clis/ch_ptocr_mobile_v2.0_cls_infer.pth
2026-01-13T23:09:08.122000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,122 [Rapi
doCR] download_file.py:82: Download size: 0.56MB
2026-01-13T23:09:08.165000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,166 [Rapi
doCR] download_file.py:95: Successfully saved to: /opt/python/rapidocr/models/ch_ptocr_mobile_v2.0_cls_infer.pth
2026-01-13T23:09:08.169000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,168 [Rapi
doCR] main.py:50: Using /opt/python/rapidocr/models/ch_ptocr_mobile_v2.0_cls_infer.pth
2026-01-13T23:09:08.267000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,267 [Rapi
doCR] base.py:22: Using engine_name: torch
2026-01-13T23:09:08.267000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,267 [Rapi
doCR] device_config.py:50: Using CPU device
2026-01-13T23:09:08.268000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:08,268 [Rapi
doCR] download_file.py:68: Initiating download: https://www.modelscope.cn/models/RapidAI/RapidOCR/resolve/v3.5.0/torch/PP-OCRv4/rec/ch_PP-OCRv4_rec_infer.pth
2026-01-13T23:09:09.287000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:09,206 [Rapi
doCR] download_file.py:82: Download size: 25.67MB
2026-01-13T23:09:09.947000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:09,947 [Rapi
doCR] download_file.py:95: Successfully saved to: /opt/python/rapidocr/models/ch_PP-OCRv4_rec_infer.pth
2026-01-13T23:09:09.958000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:09,949 [Rapi
doCR] main.py:50: Using /opt/python/rapidocr/models/ch_PP-OCRv4_rec_infer.pth
2026-01-13T23:09:10.253000+00:00 2026/01/13/[SLATEST]0c9f52a039464c06a4a9739d1c4e2859 [INFO] 2026-01-13 23:09:10,253 [Rapi
doCR] download_file.py:68: Initiating download: https://www.modelscope.cn/models/RapidAI/RapidOCR/resolve/v3.5.0/paddle/PP-OCRv4/rec/ch_PP-OCRv4_rec_infer/ppocr_keys_v1.txt
In 140, Col 1 | Spaces: 2 | UTF-8 | CRLF | {} YAML | Go Live
```