

Manual packaging of CloudFormation templates

Pre-requisites

Configured AWS CLI with CloudFormation `package` and S3 bucket write/read rights,
`$AWS_DEFAULT_REGION` set to the region where you are going to deploy

Unzip the delivered `cfn-templates-<region>.zip` file, `cd` into the directory with CloudFormation templates.

Create an S3 bucket (optional)

If you have an S3 bucket in the same region where you are deploying and you have write/read rights for it, you don't need to create a new S3 bucket.

To create a new S3 bucket:

```
CFN_BUCKET_NAME=<you new bucket name>
PROJECT_NAME=sagemaker-poc

aws s3 mb s3://${CFN_BUCKET_NAME} --region $AWS_DEFAULT_REGION
```

Replace S3 placeholder links with actual S3 path

In the file `core-sc-shared-portfolio.yaml` replace all `< S3_CFN_STAGING_BUCKET_PATH >` with `<you new bucket name>/<project name>`

```
atom core-sc-shared-portfolio.yaml
```

or use your OS-dependent string replacement utility

Package CloudFormation templates

```
CFN_BUCKET_NAME=<your bucket name>
```

For each of the files:

- `core-main.yaml`
- `env-main.yaml`

run `aws cloudformation package:`

```
FILE=core-main.yaml
PROJECT_NAME=sagemaker-poc

aws cloudformation package \
  --template-file $FILE \
  --s3-bucket $CFN_BUCKET_NAME \
  --s3-prefix $PROJECT_NAME \
  --output-template-file $FILE-$AWS_DEFAULT_REGION \
  --region $AWS_DEFAULT_REGION
```

```
FILE=env-main.yaml
PROJECT_NAME=sagemaker-poc

aws cloudformation package \
  --template-file $FILE \
  --s3-bucket $CFN_BUCKET_NAME \
  --s3-prefix $PROJECT_NAME \
  --output-template-file $FILE-$AWS_DEFAULT_REGION \
  --region $AWS_DEFAULT_REGION
```

Copy CloudFormation templates to the S3 bucket

For each of the files:

- `core-main.yaml-<region>`
- `env-main.yaml-<region>`

run the following command:

```
FILE=core-main.yaml
PROJECT_NAME=sagemaker-poc

aws s3 cp $FILE-$AWS_DEFAULT_REGION
s3://$CFN_BUCKET_NAME/$PROJECT_NAME/$FILE

echo
https://s3.${AWS_DEFAULT_REGION}.amazonaws.com/${CFN_BUCKET_NAME}/${PROJECT_NAME}/${FILE}
```

```
FILE=env-main.yaml
PROJECT_NAME=sagemaker-poc

aws s3 cp $FILE-$AWS_DEFAULT_REGION
s3://$CFN_BUCKET_NAME/$PROJECT_NAME/$FILE

echo
```

```
https://s3.${AWS_DEFAULT_REGION}.amazonaws.com/${CFN_BUCKET_NAME}/${PROJECT_NAME}/${FILE}
```

Now you can go to AWS CloudFormation console and deploy templates via S3 URLs