

# Tagging w/ Nextflow

## Tagging ??

Tag (Tag) AWS Batch jobs. You can tag AWS Batch jobs with up to 10 tags. Tags are key-value pairs that you can use to categorize and filter your AWS Batch jobs. For example, you can tag jobs with a project name, a job type, or a user. Tags can be used to filter jobs in the AWS Batch console, to create IAM policies, or to use in your own applications.

AWS Batch jobs can be tagged with up to 10 tags. You can use the `aws batch tag` command to tag jobs. For example, to tag a job with the name `my-job` and the tag `Project=MyProject`, you would run the following command:

## AWS Batch

### Tagging your AWS Batch resources

Batch jobs (job definition) can be tagged with up to 10 tags. You can use the `Propagate Tags` option in the AWS Batch console to propagate tags to your jobs. For example, to propagate tags to your jobs, you would select the `Propagate Tags` checkbox in the `Tags` section of the `job definition` page.

AWS Batch jobs can be tagged with up to 10 tags. You can use the `aws batch tag` command to tag jobs. For example, to tag a job with the name `my-job` and the tag `Project=MyProject`, you would run the following command:

[https://docs.aws.amazon.com/batch/latest/userguide/using-tags.html?icmpid=docs\\_console\\_unmapped#tag-resources](https://docs.aws.amazon.com/batch/latest/userguide/using-tags.html?icmpid=docs_console_unmapped#tag-resources)

## Nextflow

Nextflow jobs can be tagged with up to 10 tags. You can use the `resourceLabels` option in the Nextflow + AWS Batch plugin to propagate tags to your jobs. For example, to propagate tags to your jobs, you would set the `resourceLabels` option in the `plugin` section of the `nextflow.config` file.

AWS Batch jobs can be tagged with up to 10 tags. You can use the `aws batch tag` command to tag jobs. For example, to tag a job with the name `my-job` and the tag `Project=MyProject`, you would run the following command:

<https://github.com/nextflow-io/nextflow/blob/5a37e6177f7a0e02b2af922768a0df5984b07b7b/plugins/nf-amazon/src/main/nextflow/cloud/aws/batch/AwsBatchTaskHandler.groovy#L713C36-L713C53>

```

params.str = 'Hello world!'

process splitLetters {
  resourceLabels region: 'ap-northeast-2', user: 'brandon', project: 'nf-test'

  output:
    path 'chunk_*'

  """
  printf '${params.str}' | split -b 6 - chunk_
  """
}

process convertToUpper {
  resourceLabels region: 'ap-northeast-2', user: 'brandon', project: 'nf-test'

  input:
    path x

  output:
    stdout

  """
  cat $x | tr '[a-z]' '[A-Z]'
  """
}

workflow {
  splitLetters | flatten | convertToUpper | view { it.trim() }
}

```



 AWS Batch
 
 Job
 
 Tags
 


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| Key     | Value          |
|---------|----------------|
| region  | ap-northeast-2 |
| project | nf-test        |
| user    | brandon        |

| Key                           | Value                                |
|-------------------------------|--------------------------------------|
| aws:batch:compute-environment | nextflow-ce                          |
| aws:batch:job-definition      | nf-quay-io-nextflow-rnaseq-nf-v1-1:4 |
| aws:batch:job-queue           | nextflow-jq                          |
| myproject                     | innov_2024                           |
| nextflow.io/createdAt         | 2024-07-19T02:49:51.551Z             |
| nextflow.io/version           | 24.04.3                              |
| project                       | nf-test                              |
| region                        | ap-northeast-2                       |
| user                          | brandon                              |

